WORK PRO

Audio
09/10

WORK® PRO

WORK is a brand of EQUIPSON® S.A

Since 1995, **Equipson S.A.** offers an exclusive range of professional audio and lighting products, truss system and accessories for the entertainment industry.

With its leading brand **WORK®**, the company aims to offer innovative and competitive products, with great efforts of our R&D department in designing highly technological devices. A special care is taken in electronic design and hardware packaging. **WORK®** products have been designed to meet the real needs of the industry,by offering an adequate answer for almost any installations and touring applications.

Every year, the company takes part to the main international trade shows. **WORK®** products are of course distributed over the 5 continents.

Facade of Equipson S.A.

Dear friend,

We are very proud to send you this new 2009/10 catalogue!
This publication is very special for us, as it represents years of efforts dedicated to people in the trade with the will to offer an exclusive range of professional audio and lighting products.

As you know, we have been strongly investing on our R&D department over the last years, devoting a full plant for **WORK®** product development and innovation. Today it bears fruits and so you will discover in this new catalogue exclusive products that perfectly meet professional needs. As a recognition of this strategy of research and technological development, **WORK®** has received the stamps of IMPIVA: the European union recognizes company's contribution to its sector.
Regarding quality process, there is a constant upgrade of existing products, taking into account user experiences and commentaries. We take care of the overall design of products, from internal components to finishing. A complete revision of products is done when a new production starts.

For maximum convenience, **WORK®** products have divided in four catalogues:

- **Audio catalogue:** We present full solutions for any of your audio installations, by offering an adequate answer for almost any installations (airports, museums, auditoriums, theatres, bars, etc.) and touring applications.
- **Lighting catalogue:** Lighting designers and professional VJs will take advantage our product selection, with an impressive range of LED fixtures and controllers.
- **Towers and truss catalogue:** Even if quality and reliability of **WORK®** lifting towers have been proved over the years, we still develop new models and improve existing ones. We ensure that they all achieve the strictest international security norms.
- **Accessories catalogue:** We offer all the accessories required for your audio/lighting installations. We have extended our selection to offer accessories suitable with the newest technologies.

Every years **WORK®** audio and lighting products are shown at all the important international trade shows (PLASA Show, Prolight+sound, Afial, Infocomm, etc.). This is the best opportunity to meet our engineers and ask anything you want about new products. We will be proud to help you in any of your projects.

Best regards,

José Vila

WORK PRO®

audio

6_ POWER AMPLIFIERS.
15_ AUDIO TOOLS.
26_ LIGHTING GOOSENECKS.
28_ AUDIO PLAYERS.
32_ AUDIO MIXERS.
40_ INSTALLATION LOUDSPEAKERS.
46_ LOUDSPEAKERS.
70_ STANDS AND BRACKETS FOR LOUDSPEAKERS.
73_ PORTABLE SOUND REINFORCEMENT SYSTEM.
74_ MICROPHONES.
84_ WIRELESS SYSTEMS.
90_ INSTALLED SOUND POWER AMPLIFIERS.
102_ CEILING AND IN-WALL SPEAKERS.
109_ VOLUME CONTROLLERS.
112_ SOUND PROJECTORS.
115_ MEGAPHONES.
116_ HORN SPEAKERS.
119_ COLUMN SPEAKERS.

audio

NEW

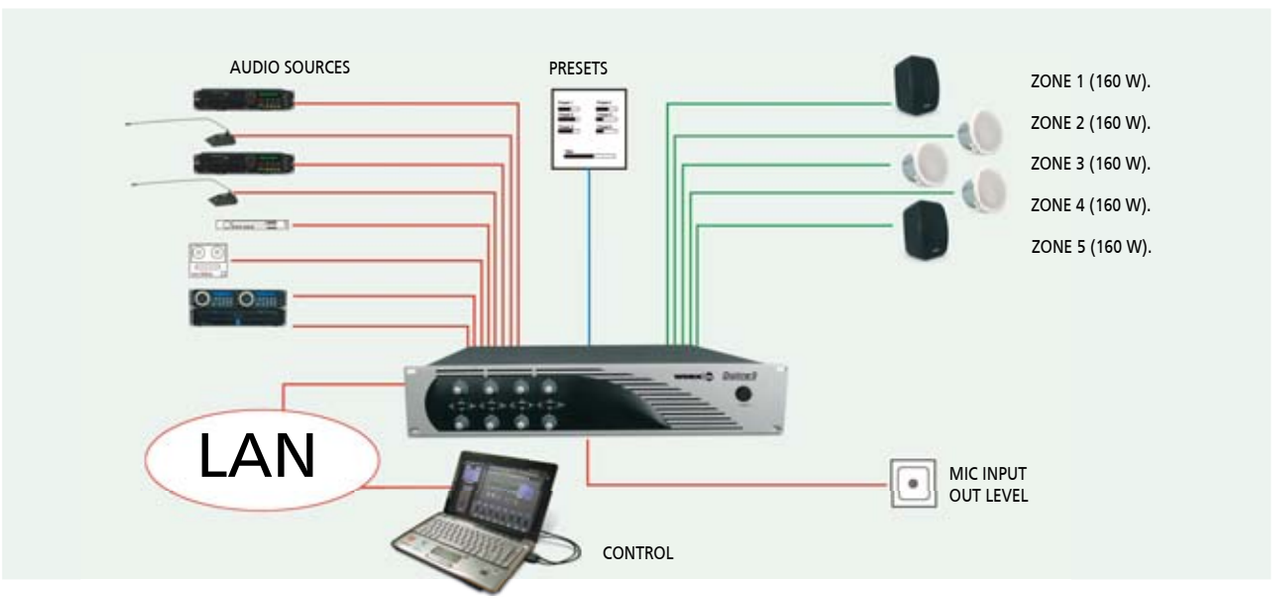
Digiline
series

DIGILINE series includes 2 powerful devices that provide advanced solutions in processing and audio control through network:

- 8 x 8 digital matrix (8 inputs and 8 outputs).
- Independent digital processing for each output.
- TCP/IC device control able to manage up to 255 units from the same computer.
- 8 channel amplifier driving 160 W each (only for Digiline 8).

DIGILINE 8 and **DIGILINE MX** are more than simple 8 x 8 matrix devices. They have been designed to control audio installations where different audio sources have to be managed independently.
Thanks to **WorkNet Control** software, any DIGILINE device in an Ethernet network can be controlled from a unique computer.

Their GPIO interface allows triggering any function (configured through software) from a simple wall-mount On/Off switch. Independent signal processing of each channel can be configured by users, with parameters like Crossover, Equalizer and Dynamics.
They represent an ideal solution in facilities like airports, shopping centres, funfairs, etc.



WorkNet Control software has been designed to manage any **WORK®** devices with a LAN interface.

WorkNet Control: The software solution for audio control through Ethernet network.

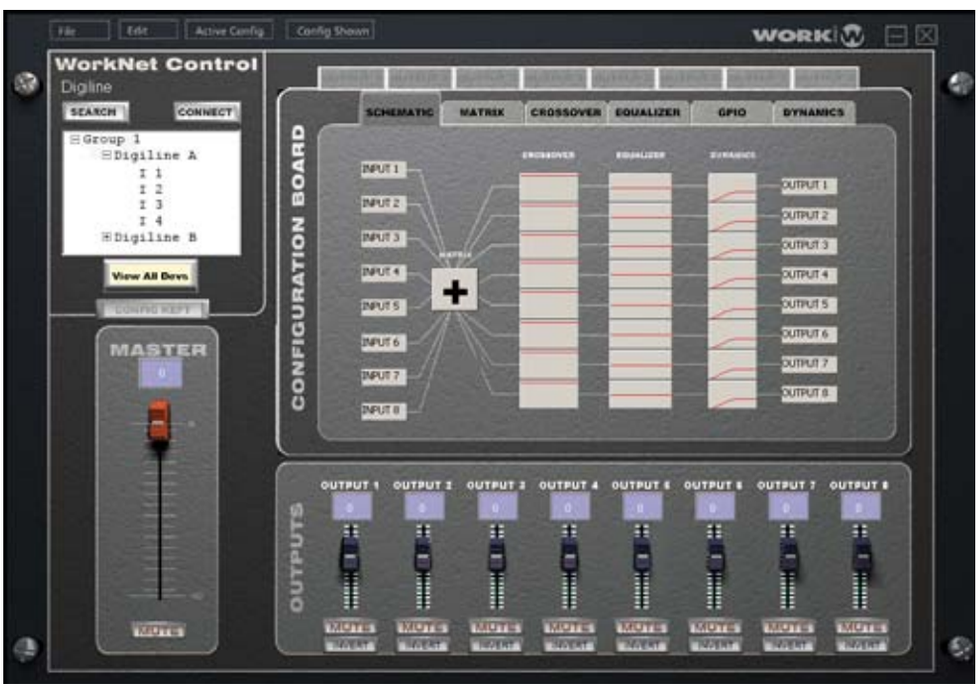
WorkNet Control interface has been specially sized to be compatible with touch screens. It simulates a console for a visual interaction with users, being very easy to operate. It provides a full visualization of connected devices. In addition, each parameter has an individual tab for a precise adjustment of parameters (see...).

Thanks to this new software, all the DIGILINE devices included in an Ethernet network (and others that support WorkNet Control) can be managed from a unique computer. By clicking on "Search", the PC software automatically finds WorkNet devices in a network; there is no need to know their IP address.

Users can edit the name of each DIGILINE unit (e.g. Zone_3) and add a short description. As they feature an evolution firmware, it is possible to upgrade it and take advantage of constant improvements.

The software provides the perfect interface for a full visualization and an independent audio processing of each output signal. It allows controlling:

- Independent control of the 8 inputs.
- Output signal level control.
- Three signal processing systems (Dynamic processor, Crossover filters and Equalizer).
- Priority channel selection (useful for emergency systems).
- General Master for all the outputs (max. level per channel configurable through software).



Very intuitive interface for a full visualization of the matrix (8 inputs x 8 outputs).

Independent mix on each output (Matrix).

Parametric equalizer.

Dynamics.

Crossover.

Smart and powerful.
Rear panels of DIGILINE 8 and MX let understand how powerful they are. Connections available increase possibilities of control. As they can share the same network, a unique computer allows controlling any DIGILINE devices (up to 255 units).

Each input is a double one: depending on connector position, it gives access to line or Mic (Phantom powered +48 V) section. Actually, DIGILINE 8 and MX provide 16 real inputs distributed in 8 channels.

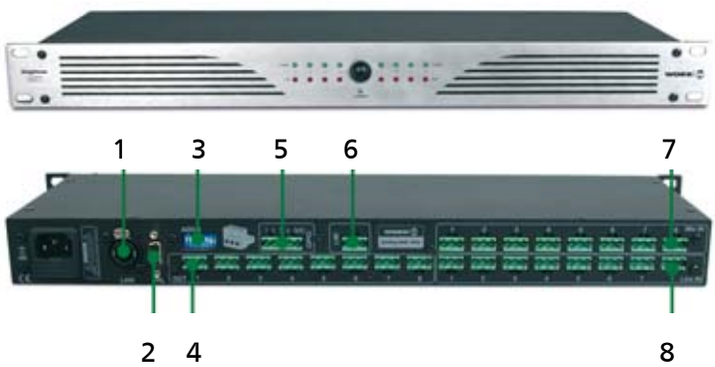
The interface for communication uses an Ethernet network (RS232 interface available with DIGILINE MX).

Digiline 8

Rear panel Digiline 8.

1. LAN connection.
2. Brigde selection.
3. Auto adressing through network.
4. 4 GPIO inputs.
5. Mic. input with auto adjtustment of volume.
6. 8 Power outputs.
7. 8 Mic. inputs.
8. 8 Line inputs.

Digiline MX



Rear panel Digiline MX.

1. LAN connection.
2. RS232.
3. Auto adressing through network.
4. 8 Power outputs.
5. 4 GPIO inputs.
6. Mic. input with auto adjtustment of volume.
7. 8 Mic. inputs.
8. 8 Line inputs.

Up to 255 units in a same network.
DIGILINE 8 and MX are full TCP/IP oriented devices: up to 255 units can be controlled in a same network.

Versatility.
DIGILINE MX features a useful RS232 interface for maximum versatility: it can be controlled by most common devices used by integrators.

8 channels but 16 inputs.
Each input is a double one: 1 Mic supplying +48 V for Phantom powered microphone, 1 Line.
Both input positions are balanced and summed in a same channel, providing 16 inputs distributed in 8 channels (each one with 1 Mic and 1 Line).

POWER AMPLIFIER

Easy remote control.
In addition to traditional inputs, DIGILINE series features 4 GPIO inputs with TTL level (DC 0-5 V) to launch preset from a simple wall-mount controller.

Additional input.
Another input (Mic) detects the acoustic level of the installation for an automatic operating mode (auto adjustment of the emitted signal). Another priority can be assigned to this input, thanks to the hardware that generates an interruption depending on the detected level at this input. It requires to be used with DGM-1 (intelligent wall-mount Mic).

Digiline 8 or Digiline MX?
The right solution for your specific needs.

Digline series is composed of 2 devices to provide user an adequate solution regarding installation requirements.

Digiline 8 is a complete device: in addition to processing features, it includes a powerful amplifier with 8 individually adjustable channels of 160W each.
To maximize S/N ratio in audio signal, it features a double switch power supply: one for amplification and another for DSP.
It has a small size (2 HU 19" rack units) and ensures a great efficiency, thanks to the class-D advanced amplifier system associated with a switch power supply.

Digiline MX for its own is exclusively dedicated to processing uses.
In only 1 HU 19" rack unit, it works with WorkNet Control and represents a very interesting alternative for those who already have a power amplifier or for others who need more power at the outputs.

TECHNICAL DATA:

1. Amplification (only for Digiline 8).
- Dynamic range: 110 dB.
- THD (100 W), 1 kHz: <0.05 %.
- Amplifier switching frequency: 195 to 430 kHz.

2. Processing.
- Output channel volume control: selectable by software and frontal potentiometer (36 dB to -109 dB range).
- 48 bit processing architecture with 76 bits of precision for most audio processing features.
- 7 BIQUAD filters per output for crossover and EQ purposes.
- Types Bessel, Chebyshev, Linkwitz-Riley, Butterworth and Custom.
- Limit and compression adjustments at the outputs.
- Full 8x8 input crossbar mixer. Each signal processing channel input can be any ratio of the 8 input channels.
- DC blocking filters.
- 32 bit processing PWM architecture with 40 bits of precision.
- 8 x Oversampling with fifth order noise shaping @ 32-48 kHz; 4 x Oversampling @ 88.2 and 96 kHz; 2 x Oversampling @ 176.2 kHz and 192 kHz.
- THD+N < 0.1 %.
- Digital De-emphasis for 32, 44.1 and 48 kHz data rates.

NEW

WXP series

High performance power amplifiers

WXP 3

WXP 5

WXP 7

Minimum weight thanks to its switching power supply.

WXP power amplifiers particularly stand out for their switching power supply and their high quality components: circuits have been carefully designed to ensure the best performance and a perfect linear frequency response.

Best performances.

Thanks to their switching power supply, all the energy is dedicated to amplification: heat dissipation is better controlled and so lifetime is longer than other amplifiers with conventional power supply systems.

Maximum comfort for users.

The suppression of transformer drastically reduces weight of the **WXP series**. It results more convenient for transport and installation, being another significant advantage for touring applications.

FEATURES

- Balanced input to ensure noiseless wiring.
- Active distortion revision to reduce sub-frequency resonance.
- Audio control circuit for a high S/N ratio when signal is weak.
- External circuit breaker.
- Continuous fan operation.
- Smart-designed protection system from overload, overheat, short circuits and DC protection on outputs.
- Operating modes: Stereo and Bridge.
- Rugged amplifier in a strong and compact chassis.

REAR PANEL

WXP 3 / WXP 5

WXP 7

TECHNICAL DATA	WXP 3	WXP 5	WXP 7
8 Ω stereo power output:	300 W x 2.	500 W x 2.	650 W x 2.
4 Ω stereo power output:	500 W x 2.	750 W x 2.	1000 W x 2.
8 Ω brigde power output:	1000 W.	1500 W.	2000 W.
Frequency response:	25 Hz – 25 kHz.	25 Hz – 25 kHz.	25 Hz – 25 kHz.
THD+N:	<0.04 %.	<0.04 %.	<0.04 %.
Factor damping:	400.	400.	400.
S/N ratio:	>100 dB.	>100 dB.	>100 dB.
Input sensitivity:	1 V.	1 V.	1 V.
Input impedance:	47 kΩ balanced, 22 kΩ unbalanced.	47 kΩ balanced 22 kΩ unbalanced.	47 kΩ balanced 22 kΩ unbalanced.
Main supply:	AC 220-240 V 50/60 Hz.	AC 220-240 V 50/60 Hz.	AC 220-240 V 50/60 Hz.
Dimensions (WxHxD):	483 x 88 x 495 mm.	483 x 88 x 495 mm.	483 x 88 x 495 mm.
Weight:	9.8 kg.	10.6 kg.	11.2 kg.

SP MAX series

High performance power amplifiers

Maximum control.

Thanks to features like 35 Hz subsonic filter or input limiter, 2 way crossover (100/150 Hz), amplified low pass and high pass filter for bi-amplified systems, **SP MAX series** allows the optimization of applications, even in most complex installations.

Maximum power.

SP MAX series provides an elevate power range so it can be used with almost any loudspeakers, from subwoofers to loudspeakers prepared for bi-amp.
SP MAX 2800 and **SP MAX 3600** feature H-class circuits, being able to manage low impedances (2 Ω) and to ensure the best results.

Maximum security.

Necessary adjustments are automatically done thanks to an analytical comparison of output devices. This protects units from damages and ensures that output devices will always operate within the limits of the safe operating area crossover, improving thermal efficiency.

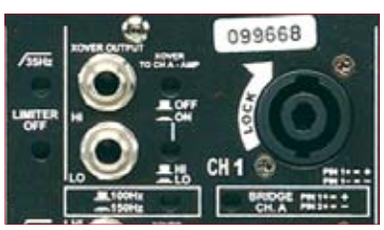
1700

2800

3600

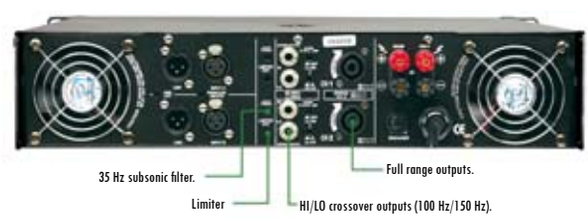
FEATURES

- DC fans with variable speed.
- High dampling factor for a better control of frequencies.
- Ground switch.
- Thermal fuse.
- 100/150 Hz crossover output on each channel.
- 35 Hz subsonic filter on each output.
- DC protection.
- Anti short circuits protection.
- Softstart.
- Adjustable input sensitivity.
- Anti-clip and thermal protections.



Full-range power output or 2 ways through crossover.

REAR PANEL



TECHNICAL DATA	SP MAX 1700	SP MAX 2800	SP MAX 3600
8 Ω stereo power output:	300 W x 2.	450 W x 2.	650 W x 2.
4 Ω stereo power output:	450 W x 2.	650 W x 2.	1050 W x 2.
2 Ω stereo power output:	578 W x 2.	1200 W x 2.	1500 W x 2.
8 Ω bridge power output:	950 W.	1250 W.	2000 W.
4 Ω bridge power output:	1156 W.	2400 W.	3000 W.
Parallel 4 Ω/8 Ω power output:	525 W x2/350 W x2.	1100 W x2/750 W x2.	1250 W x2/900 W x2.
Frequency response:	20 Hz – 20 kHz.	20 Hz – 20 kHz.	20 Hz – 20 kHz.
THD+N:	<0.05%.	<0.05%.	<0.05%.
Factor damping:	300.	300.	300.
S/N Ratio:	>100 dB.	>100 dB.	>100 dB.
Input sensitivity:	1.4 V.	1.4 V.	1.4 V.
Input impedance:	20 kΩ balanced, 10 kΩ unbalanced.	20 kΩ balanced, 10 kΩ unbalanced.	20 kΩ balanced, 10 kΩ unbalanced.
Main supply:	AC 220-240 V 50/60 Hz.	AC 220-240 V 50/60 Hz.	AC 220-240 V 50/60 Hz.
Dimensions (WxHxD):	483 x 88 x 449 mm.	483 x 88 x 449 mm.	483 x 88 x 449 mm.
Weight:	17.5 kg.	19.5 kg.	21.5 kg.

NEW

ZENITH series

Power amplifiers with switching power supply

REAR PANEL

600

1300

1800

2400

Minimum weight thanks to its switching power supply.

Highly reliable technology.

This new series of lightweight power amplifiers featuring switching power supply technology provides high levels of signal integration and output power.
Their LLC resonant circuit, specially designed for power amplifiers with high output power, ensures power reliability and reduces its influence in the amplifier.
To face electrical load fluctuations of the amplifier, **ZENITH series** includes an ultra-fast response time technology with high slew-rate.

A large range of possibilities.

ZENITH power amplifiers allow working with either balanced or unbalanced signals. Their sensitivity input selector ensures a total adaptability with installation requirements. The three operating modes available (Stereo, bridge or Parallel) and the low-frequency enhancer increase the flexibility of these power amplifiers.

FEATURES

- Power amplifier series with switching power supply.
- LLC resonant circuit to avoid undesirable frequencies coming from the main supply.
- Operating mode selector: Stereo, bridge or parallel.
- Sensitivity input selector: 26 dB/32 dB.
- Low frequency enhancer switch.
- Optimum operating load at 2 Ω.
- Protection from overload, overheat, short circuits, DC and continuous high frequency signals.

TECHNICAL DATA	ZENITH 600	ZENITH 1300	ZENITH 1800	ZENITH 2400
8 Ω stereo power output:	200 W x2.	310 W x2.	450 W x2.	600 W x2.
4 Ω stereo power output:	300 W x2.	500 W x2.	750 W x2.	1000 W x2.
2 Ω stereo power output:	450 W x2.	600 W x2.	1000 W x2.	1250 W x2.
8 Ω bridge power output:	600 W.	1000 W.	1500 W.	2000 W.
4 Ω bridge power output:	850 W.	1200 W.	2000 W.	2600 W.
Parallel 8 Ω power output:	200 W.	310 W.	450 W.	600 W.
Frequency response:	20 Hz – 20 kHz.	20 Hz – 20 kHz.	20 Hz – 20 kHz.	20 Hz – 20 kHz.
THD+N:	<0.05%.	<0.05%.	<0.05%.	<0.05%.
Factor damping:	>150.	>200.	>250.	>200.
Dynamic range:	>80 dB.	>80 dB.	>80 dB.	>80 dB.
S/N Ratio:	>100 dB.	>100 dB.	>100 dB.	>100 dB.
Input impedance:	20 kΩ balanced, 10 kΩ unbalanced.	20 kΩ balanced, 10 kΩ unbalanced.	20 kΩ balanced, 10 kΩ unbalanced.	20 kΩ balanced, 10 kΩ unbalanced.
Main supply:	AC 180-260 V 50/60 Hz.	AC 180-260 V 50/60 Hz.	AC 180-260 V 50/60 Hz.	AC 180-260 V 50/60 Hz.
Dimensions (WxHxD):	483 x 88 x 305 mm.	483 x 88 x 360 mm.	483 x 88 x 360 mm.	483 x 88 x 360 mm.
Weight:	6 kg.	8.75 kg.	11 kg.	11.1 kg.

SP series

High performance power amplifiers

SP series is composed of strong and reliable power amplifiers that offer a professional acoustic response thanks to its advanced technology.

Flexibility.

With 3 operating modes available (stereo, bridge and parallel), different input connectors (balanced/unbalanced XLR3/Jack) and output connectors (XLN4/Banana), **SP power amplifiers** can be easily adjusted to provide optimum results in any installation. 30 Hz subsonic filter and anti-clip system (both selectable) make this series adequate for almost any situations.

Reliability.

For a better protection, **SP series** features external circuit breakers, short circuit protections as well as RF and ultrasonic signal filter.

750

950

1600

2800

FEATURES

- High S/N ratio.
- 30Hz subsonic filter.
- 3 operating mode: Stereo, Bridge and Parallel.
- External circuit breaker.
- Short circuit protection.
- RF and subsonic protections.
- Thermal protection.
- Forced air cooling system with adjustable speed.

REAR PANEL

TECHNICAL DATA	SP 750	SP 950	SP 1600	SP 2800
8 Ω stereo power output:	105 W x 2.	205 W x 2.	310 W x 2.	575 W x 2.
4 Ω stereo power output:	225 W x 2.	300 W x 2.	450 W x 2.	750 W x 2.
8 Ω bridge power output:	420 W.	560 W.	900 W.	1500 W.
Frequency response:	25 Hz – 25 kHz.	25 Hz – 25 kHz.	25 Hz – 25 kHz.	25 Hz – 25 kHz.
THD+N:	<0.05%.	<0.05%.	<0.05%.	<0.05%.
Factor damping:	400.	400.	400.	400.
S/N Ratio:	>100 dB.	>100 dB.	>100 dB.	>100 dB.
Input sensitivity:	1.15 V.	1.15 V.	1.15 V.	1.15 V.
Input impedance:	20 kΩ balanced, 10 kΩ unbalanced.	20 kΩ balanced, 10 kΩ unbalanced.	20 kΩ balanced, 10 kΩ unbalanced.	20 kΩ balanced, 10 kΩ unbalanced.
Main supply:	AC 220-240 V 50/60 Hz.	AC 220-240 V 50/60 Hz.	AC 220-240 V 50/60 Hz.	AC 220-240 V 50/60 Hz.
Dimensions (WxHxD):	483 x 88 x 400 mm.	483 x 88 x 400 mm.	483 x 88 x 400 mm.	483 x 88 x 400 mm.
Weight:	13 kg.	13.6 kg.	15.6 kg.	19 kg.

POWER AMPLIFIER SERIES.

WXP series

WXP 3

WXP 5

WXP 7

MODEL	8 Ω STEREO	4 Ω STEREO	2 Ω STEREO	8 Ω BRIDGE	4 Ω BRIDGE
WXP 3	2 x 300 W	2 x 500 W	-	1000 W	-
WXP 5	2 x 500 W	2 x 750 W	-	1500 W	-
WXP 7	2 x 650 W	2 x 1000 W	-	2000 W	-

SP MAX series

SP MAX 1700

SP MAX 2800

SP MAX 3600

MODEL	8 Ω STEREO	4 Ω STEREO	2 Ω STEREO	8 Ω BRIDGE	4 Ω BRIDGE
SP MAX 1700	2 x 300 W	2 x 450 W	2 x 578 W	950 W	1156 W
SP MAX 2800	2 x 450 W	2 x 650 W	2 x 1200 W	1250 W	2400 W
SP MAX 3600	2 x 650 W	2 x 1050 W	2 x 1500 W	2000 W	3000 W

ZENITH series

ZENITH 600

ZENITH 1300

ZENITH 1800

ZENITH 2400

MODEL	8 Ω STEREO	4 Ω STEREO	2 Ω STEREO	8 Ω BRIDGE	4 Ω BRIDGE
ZENITH 600	2 x 200 W	2 x 300 W	2 x 450 W	600 W	850 W
ZENITH 1300	2 x 310 W	2 x 500 W	2 x 600 W	1000 W	1200 W
ZENITH 1800	2 x 450 W	2 x 750 W	2 x 1000 W	1500 W	2000 W
ZENITH 2400	2 x 600 W	2 x 1000 W	2 x 1250 W	2000 W	2600 W

SP series

SP 750

SP 950

SP 1600

SP 2800

MODEL	8 Ω STEREO	4 Ω STEREO	2 Ω STEREO	8 Ω BRIDGE	4 Ω BRIDGE
SP 750	2 x 105 W	2 x 225 W	-	420 W	-
SP 950	2 x 205 W	2 x 300 W	-	560 W	-
SP 1600	2 x 310 W	2 x 450 W	-	900 W	-
SP 2800	2 x 575 W	2 x 750 W	-	1500 W	-

NEW

DAC 111 V2

Injection box

DAC 111 V2 is an active direct injection box. It is particularly helpful on stages and studios, thanks to its low noise level (-105 dB) and its flat frequency response that ensures signal integrity.

DAC 111 V2 avoids impedance problems when connecting unbalanced elements like music instruments or Line devices: it sends these signals to a mixing console with balanced signal.
It features an input level selector (for instrument or Line) and a Link connection to send input signal to another and similar device. Its ground lift switch isolates the mass from other devices, eliminating unwanted hums and buzzes.

To ensure long lifetime of the device, it has been designed in a strong metal box with rubber corner protectors.

TECHNICAL DATA	DAC 111 V2
Input:	¼" - XLR Jack (unbalanced).
Output:	XLR3 balanced.
Unbalanced link output:	Yes.
Noise level:	105 dB.
Distortion level:	THD-N @ 1KHz/0 dBu<0.005%.
Input impedance:	250 KΩ.
Output impedance:	600 Ω.
Ground lift switch:	Yes.
Input maximum level:	0/20/40 dBu.
Frequency response:	100 Hz to 40 kHz.
Phantom supply:	DC 18 V to DC 48 V.
Battery:	9V blockcell 6LR91.
Dimensions (WxHxD):	130 x 60 x 150 mm.
Weight:	650 g.

Input panel.

Output panel.

QMAX series

Equalizers with constant Q-value

QMAX 152

QMAX 302

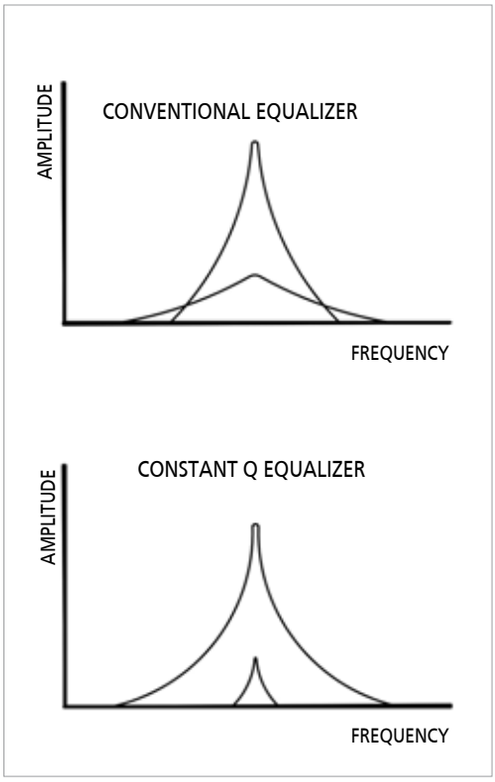
QMAX 231

QMAX series has been designed to provide a constant Q-value.
It is composed of three equalizers using the highest quality standards: **QMAX 152** (2 x 15 bands), **QMAX 302** (2 x 30 bands) and **QMAX 231** (2 x 31 bands).

These equalizers feature a range selector (6/12 dB), balanced and unbalanced inputs/outputs, RF filters, adjustable level control, passive bypass switch, overload threshold LED, ground lift switch and selectable main voltage switch.

FEATURES

- Constant Q equalizers (constant bandwidth).
- 2 channels of 15 bands 1/3 octave (**QMAX 152**), 2 channels of 30 bands 1/3 octave (**QMAX 302**), 2 channels of 31 bands 1/3 octave (**QMAX 231**).
- Two-band limiter filter fully adjustable on each channel.
- Selectable range: +/- 6 dB or +/- 12 dB.
- Bypass switch.
- Balanced inputs and outputs.
- Gain output indicators.

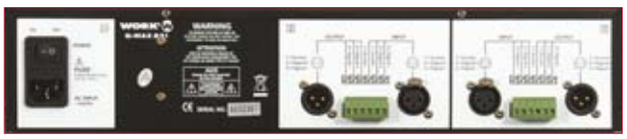


REAR PANEL

QMAX 152

QMAX 302

QMAX 231



TECHNICAL DATA	QMAX 152	QMAX 302	QMAX 231
Frequency band:	2x15, 1/3 octave.	2x30, 1/3 octave.	2x31, 1/3 octave, ISO.
Filter type:	Constant Q -3% central correction.	Constant Q -3% central correction.	Constant Q -3% central correction.
Potentiometer slide range:	52 mm with middle point.	52 mm with middle point.	20 mm with middle point.
Selectable range:	+/- 6 dB or +/- 12 dB.	+/- 6 dB or +/- 12 dB.	+/- 6dB or +/- 12dB.
Input connectors:	Balanced XLR and unbal. RCA and Jack.	Balanced XLR and Euro-style terminals.	Balanced XLR and Euro-style terminals.
Output impedance:	150 Ω.	150 Ω.	150 Ω.
Maximum output level:	+18 dBm (bal.), +22 dBm (unbal.).	+18 dBm (bal.), +22 dBm (unbal.).	+18dBm (bal.), +22dBm (unbal.).
High-pass (cut in):	10 Hz to 230 Hz, 12 dB/oct.	10 Hz to 230 Hz, 12 dB/oct.	10 Hz to 250 Hz, 12 dB/oct.
Low-pass (cut in):	20 Hz to 20 kHz, 12 dB/oct.	20 Hz to 20 kHz, 12 dB/oct.	3 Hz to 40 kHz, 12 dB/oct.
Frequency response:	20 Hz to 20 kHz, +0.5 dB.	20 Hz to 20 kHz, +0.5 dB.	20 Hz to 20 kHz, +0.5 dB.
Distortion:	0.01%.	0.01%.	0.01%.
S/N Ratio:	98 dB /105 dB.	98 dB/105 dB.	94 dB.
Channel separation:	50 dB / 60 dB.	50 dB/60 dB.	50 dB/60 dB.
Main supply:	AC 90-250 V.	AC 90-250V.	AC 110V-230 V 50/60 Hz.
Power consumption:	12 W.	12 W.	12 W.
Dimensions (WxHxD):	483 x 88 x 215 mm.	483 x 132 x 215 mm.	483 x 88 x 216 mm.
Weight:	4.1 kg.	4.5 kg.	4.1 kg.

WPE 7000

Digital audio processor

REAR PANEL

WPE 7000 is a high quality digital audio processor designed for speaker configuration.

It features 2 inputs and 6 outputs electrically balanced and RF protection circuit with standard XLR connectors. User can set up for each output the signal source (A, B or A+B) with a total independence. The device has a 24 bit DSP technology, 64 kHz sigma-delta A/D and D/A converters and 32 bit DSP for signal processing. Digital processing includes Gain, Polarity invert, Parametric EQ, shelving filters, Delay, Crossover function (Butterworth /Bessel/ Linkwitz-Riley 12 dB-36/oct), Limiter, Signal routing, etc.

Included control software provides an intuitive visualization of the system for a faster control. In addition to analog inputs, RS485 interface (input/output) allows the creation of a network including up to 49 **WPE 7000** units.

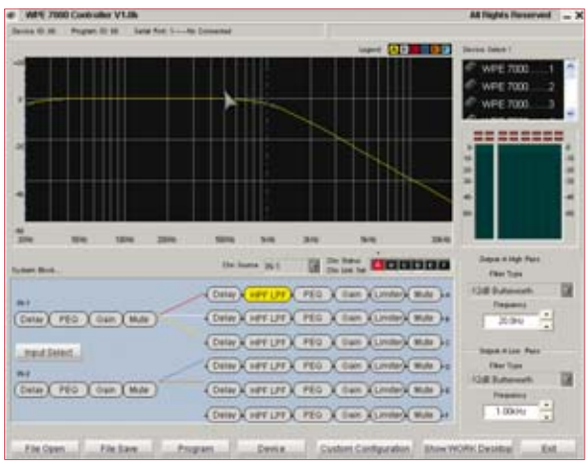
FEATURES

- High quality digital audio processor for system configuration.
- 64 kHz sigma-delta A/D and D/A converters.
- 32 bit DSP for signal processing.
- 2 inputs, 6 outputs (fully configurable).
- RS232 and RS485 interface (creation of a network with up to 49 units).
- Independent functions for each output channel: high and low filters (Butterworth, Bessel and Linkwitz-Riley), delay (from 0 to 2.034 s in 15,515 µS steps).
- Parametric EQ (11 bands +/-12 dB / 0.5 dB steps).
- Phase inverter: (0-180°).
- Limiter (-24/+15 dB / 0.5 dB steps).

RS485 /RS232 interface.

Control on front panel.

TECHNICAL DATA	WPE 7000
Resolution:	24 bit.
A/D and D/A conversion:	32 bit.
Sample frequency:	64 kHz.
Control signal:	RS232/RS485.
Equalization filters:	6.
Crossover filters:	12.
Delay:	1.2 ms – 2 s
Input connectors:	2 x female XLR3, ¼" Jack (BGM), female XLR3 (RS232).
Output connectors:	6 x male XLR3, male XLR3 (RS232).
Main supply:	AC 90-240 V 50-60 Hz.
Dimensions (WxHxD):	483 x 44 x 228 mm.
Weight:	4.7 kg.



Control software.

WEF 1010

Digital feedback suppressor

REAR PANEL

NEW

This dual mono feedback suppressor analyzes frequencies from the input signal and eliminates feedbacks.

It features 12 NOTCH filters with -45 dB attenuation. Sensitivity is adjustable in 12 steps so user can increase or decrease these values. Filters can be stored and saved as user presets (4 presets and 16 additional positions are also available).

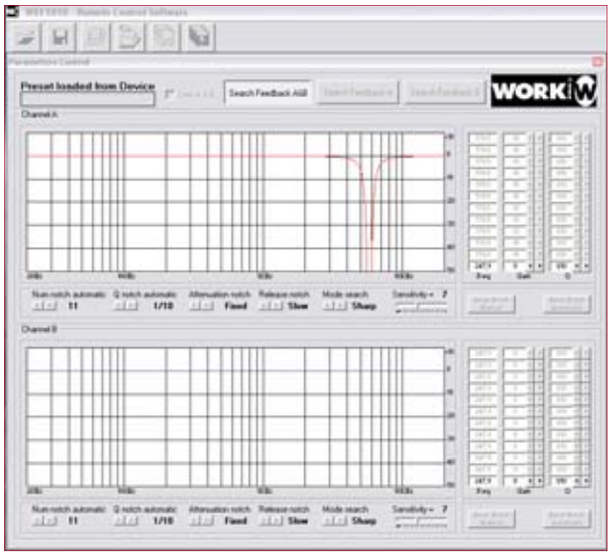
WEF 1010 includes many functions like channel search selection and detection (L, R or L/R), or copy of values from a channel to another. An editor is also available to set up filter parameters.

With its 2 Line LCD display, users can visualize monitor values; encoder makes control easier. It also features BYPASS function and can be connected to MIDI/USB devices for an external control.

FEATURES

- Dual mono feedback destroyer.
- 20 bit A/D and D/A resolution.
- 12 NOTCH filters.
- 4 presets + 16 user positions.
- Detection, Search and Edit functions.
- USB/MIDI interface.
- Control by software (included).

TECHNICAL DATA	WEF 1010
A/D and D/A resolution:	20 bit.
Processor resolution:	24 x 32 bit.
Inputs:	2 ¼" Jack - XLR3 (balanced).
Outputs:	2 ¼" Jack - XLR3 (balanced).
Frequency response:	20 Hz – 20 kHz +/- 0.5 dB.
THD+N:	< 0.01% @ -6 dBFS (Bypass).
S/N Ratio:	> 90 dBA (Bypass).
Connectivity:	MIDI/USB.
Dimensions (WxHxD):	483 x 44 x 210 mm.
Weight:	2.5 kg.



Internal software for filter application and graphic curve visualization.

WD 421

Audio distributor

REAR PANEL

This audio distributor is very useful to supply several audio devices with only one audio source. Its 2 operating modes allow working with mono or stereo signals.

WD 421 perfectly adapts itself to different impedances, ensuring that output signal level is at least equal to input signal level. It avoids any undesired attenuations. The device also features a LED vumeter to visualize current output level.

TECHNICAL DATA	WD 421
Input impedance:	Balanced 20 kΩ, unbalanced 10 kΩ.
Frequency response:	20 Hz – 20 kHz.
THD:	<0.03%.
Dynamic range:	118 dB.
Main supply:	2 x 18 V (external power unit included).
Dimensions (WxHxD):	483 x 44 x 115 mm.
Weight:	2 kg.

FEATURES

- Audio signal distributor with 2 inputs and 8 outputs.
- 2 operating modes: 1 stereo input to 4 stereo outputs / 1 mono input to 8 mono outputs.
- Adjustable output level.
- Balanced Link output for unit interconnection.
- Individual gain control per channel.

WD 416

Audio distributor

REAR PANEL

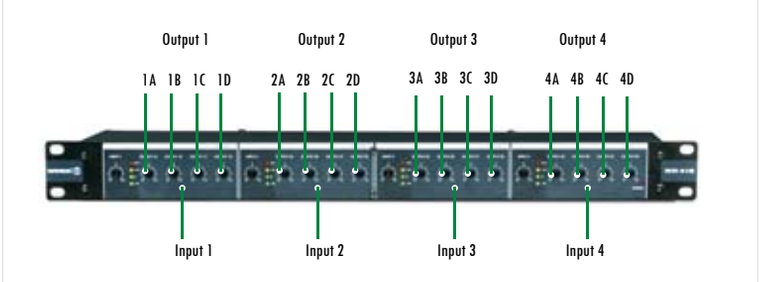
WD 416 is an audio signal distributor featuring 4 inputs and 16 outputs. With 4 outputs per input, **WD 416** can operate with 4 independent signals. The device can be considered as `4 signal splitters in one'.

It includes gain control for each input and output, as well as a LED vumeter to visualize the current output level.

FEATURES

- Audio signal distributor.
- 4 independent inputs.
- 4 outputs per input (total 16 outputs).
- Balanced inputs and outputs.
- LED vumeter (for each input signal).

Connection example.



Control for group.

AUDIOROUTE 208

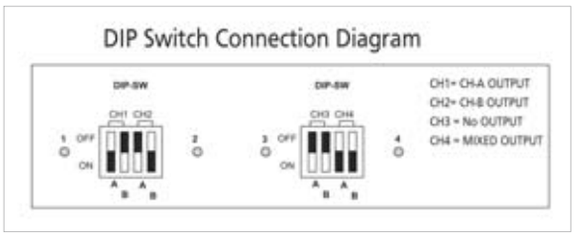
Audio distributor

REAR PANEL

AUDIOROUTE 208 is a signal distributor featuring 2 inputs and 8 outputs. The later have an independent gain controller.

It includes DIP switch blocks to select input and output channels, and so mix inputs in a unique channel (or even mute any of the outputs). This makes this device different from the other splitters.

Source selection is done using DIP switch blocks, so there is no need to move cables to change or mix channels.

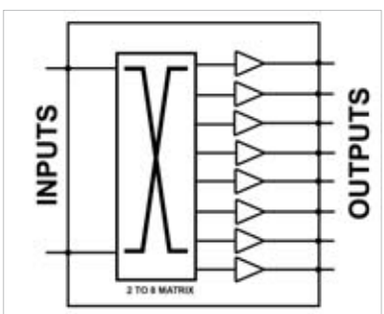


Switches for signal routing configuration.

FEATURES

- 2 inputs / 8 outputs audio signal distributor.
- 3 operating mode: Separated channels, Full attenuation and Channels mixing.
- All operating modes configurable by DIP switch.
- Vumeter for each channel level.
- Balanced input/output connectors.
- Balanced output via transformer with feed-forward control to improve low frequency distortion.
- Link output for connections with other units.

TECHNICAL DATA	AUDIOROUTE 208
Input impedance:	Balanced 22 KΩ.
Max. input level:	+ 21 dBm.
Frequency response:	20 Hz – 20 kHz.
THD+N:	0.002%.
Output gain:	- 10 dB to + 4 dB (adjustable).
Output impedance:	600 Ω.
Main supply:	AC 90-245 V , 50-60 Hz.
Dimensions (WxHxD) :	483 x 44 x 146 mm.
Weight:	4.6 kg.



Depending on the operating mode, the unit will route input signal and allows, from direct output signal, the attenuation of one of the inputs (or of input mix).

ANALOG MATRIX 8

Audio distributor

REAR PANEL

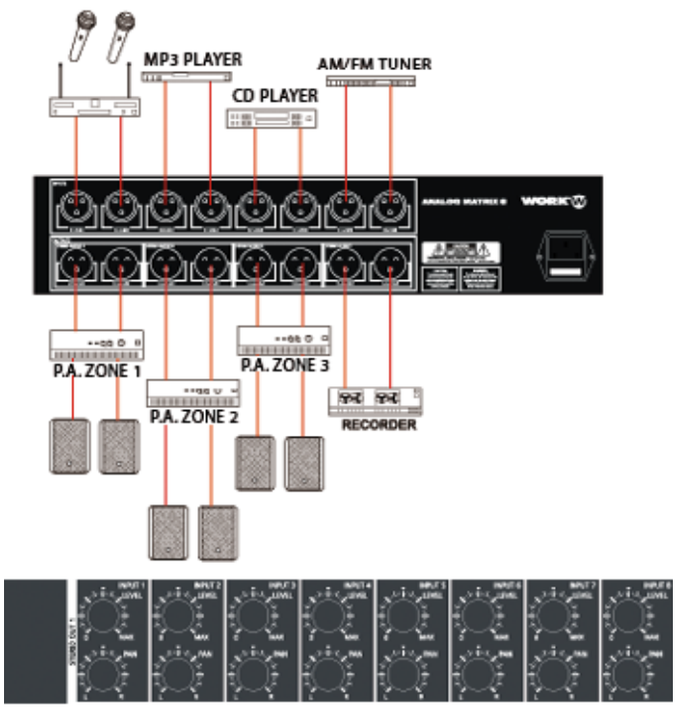
ANALOG MATRIX 8 is an audio mixer built in a matrix system configuration of 8 inputs and 8 outputs. It only sizes 2 HU 19" rack and makes possible many input/output configurations, allowing multiple input mixing.

The 8 outputs are divided in 4 groups, so it can supply 4 different zones with one stereo output and many output signals. Thus,

ANALOG MATRIX 8 can be used for audio distribution in different rooms with an independent control of each one, without changing cable configuration (user just has to use gain controls).

It is also possible to get 8 outputs with their own configuration because each input has its gain control and PAN function.

Connection example.



Level of each stereo output group can be controlled with gain potentiometers at the inputs. A unique input signal can be sent to several outputs. It is also possible to change input sources just using gain controls.

FEATURES

- Audio mixer built in a matrix system configuration.
- 8 inputs.
- 4/8 balanced outputs.
- 2U rack enclosure.

TECHNICAL DATA	ANALOG MATRIX 8
Mono inputs:	Balanced XLR3.
Input impedance:	10 KΩ.
Frequency response:	20 Hz – 20 kHz +/- 1dB.
Gain:	-75 dB ~ +10 dB.
Distortion:	< 0.01 %.
Outputs:	Balanced XLR3.
Main supply:	AC 230 V 50 Hz.
Dimensions (WxHxD):	483 x 88 x 230 mm.
Weight:	3.6 kg.

WPA 6400

Headphone amplifier and audio splitter

WPA 6400 is a headphone splitter that transforms a stereo input into 6 headphone stereo outputs. Operating mode selector allows using the device as a 6 output signal distributor or as a 6 headphone amplifier. Another operating mode of this device allows controlling up to 6 headphone independently. Each output has its own gain control and a double input connector (front + rear).
WPA 6400 also provides an input gain reducer and a bi-colour LED to indicate the state of each output.

TECHNICAL DATA	WPA 6400
Input:	Stereo ¼" Jack / 2x RCA.
Input level:	250 mV /50 kΩ.
Output:	6 x stereo ¼" Jack.
Output level:	2x 16 mW@8Ω/ 2x 45 mW@32Ω/ 2x 75 mW@600Ω.
Frequency response:	50 Hz – 30 kHz
THD:	< 0.02%
Channel separation:	50 dB
Main supply:	AC 115-230 V 50/60 Hz.
Dimensions (WxHxD) :	483 x 44 x 185 mm.
Weight:	2.3 kg.

FEATURES

- Headphone amplifier.
- Conversion of 1 Line input into 6 headphone stereo outputs.
- Main/Solo selector in headphone output.
- Individual gain/control per channel.
- Input level switch with reducer and Bypass.
- 2 headphone outputs per channel (front + rear).
- Bi-colour LED to indicate the state of each output.
- Parallel outputs to group several headphone amplifiers.

WPA 6600

Headphone amplifier

REAR PANEL

Direct signal input and control of one of the channels. Aux input, headphone output and controls for operating modes, gain and Mute.

TECHNICAL DATA	WPA 6600
Frequency response:	50 Hz – 50 kHz
THD:	< 0.005 %.
S/N ratio:	> 90 dB.
Input:	2 x (Bal. XLR3 / stereo bal. ¼"Jack) + 7 Main/Aux input (stereo bal. ¼"Jack).
Output:	18 x (stereo bal. ¼"Jack) + 2 x (Bal. XLR3 / stereo bal. ¼"Jack).
Input impedance:	Main (bal. 50 kΩ) Aux (Unbal. 25 kΩ)
Max. input level:	Main (+21 dBu) Aux (+21 dBu).
Main supply:	AC 115/230 V 50/60 Hz.
Consumption:	20 W.
Fuse:	AC 115 V (315 mA) AC 230 V (160 mA).
Dimensions (WxHxD):	483 x 44 x 217 mm.
Weight:	2.9 kg.

FEATURES

- 6 channel stereo headphone amplifier.
- Conversion of 1 Line input into 6 headphone stereo outputs.
- Individual gain control per channel.
- Stereo Aux IN on each channel for additional audio bridge.
- MONO and Left/Right Mute buttons per channel for a better flexibility.
- Operating modes: microphone amplifier / 6 independent amplifiers / mixers (between AUXILIARY and direct signals).
- 3 headphone outputs per channel (1 front + 2 rear).
- Input level switch with reducer and Bypass.
- 2 headphone outputs per channel (front + rear).
- Parallel outputs to group various headphone amplifiers.
- 4 high precise LED vumeters to indicate the state of each output.

WSE 81

Start sequencer

NEW

REAR PANEL

USB connector on front panel for flex lamp (included).

This start sequencer / 8 input distributor allows sequential start of loads for all inputs with 1 second interval. The device is protected from overloads thanks to its 63 A circuit breaker.

Each channel has its own On/Off switch and a maximum load of 10 A per channel. BYPASS function enables or disables sequence and supplies each output.

Each output has its own LED lightthat indicates the state of the devices connected to **WSE 81**. In addition, a USB port allows the connection of a USB standard lamp (included). Using the Link output, users can link various devices and so realize a general start sequence.

Front panel of the device features an additional socket (no integrated on start sequence) to supply smallest devices.

63 A circuit breaker and Link connection to group several units.

TECHNICAL DATA	WSE 81
Outputs:	8.
Start:	Sequential start.
Max. load:	10 A per channel (total: 63 A).
USB port:	Connection for 50 mA lamp.
Link:	¼" Jack.
Main supply:	AC 220-240 V 50 Hz.
Dimensions (WxHxD) :	483 x 44 x 254 mm.
Weight:	1.8 kg.

D 9

Surge protector and lighting unit

REAR PANEL

Thanks to a HF/RF interference filter, **D9** protects electrical devices, working as a high voltage starter that suppresses peak current. This suppressor circuit works with celerity and protects outputs from overvoltage.

D9 eliminates any noise in the electrical network coming from electric motors, fluorescent or similar sources. It features 8 outputs with external circuit breakers to connect devices with a maximum load of 15 A (voltmeter available via LED bar).

The device also has 2 retractable lights (7 W each) and dimmer control for a better visualization of other device's front panels.

FEATURES

- 8 network outputs.
- Independent filter for each main channel.
- 2 connectors for retractable lights (230 V / 7 W each).
- Dimmer control for light intensity.
- Outputs: AC 220 V (max: 15 A).
- Output connectors: 8 IEC female connectors.
- Dimensions (WxHxD): 483 x 44 x 190 mm.
- Weight : 1.8 kg.

WD 9 IOC

Surge protector and lighting unit

REAR PANEL

Like **D 9**, this unit protects electrical devices. Its internal filter suppresses peak currents that damage devices, noise and interferences that can be heard between pauses.

WD 9 IOC includes digital voltmeter and ammeter to visualize in real time voltage level and output current. Up to 8 units can be connected, with a maximum load of 10 A. Thanks to its external circuit breaker, the unit is protected from overloads.

The device also has 2 retractable lights (7 W each) and dimmer control for a better visualization of other device's front panels.

FEATURES

- 8 main outputs.
- Digital display for AC output voltage.
- Digital display for AC load current.
- LED voltmeter for normal / overvoltage modes.
- 2 retractable lights (230 V / 7 W).
- 10 A thermal interrupter with external circuit breaker.
- Output connectors: 8 IEC female connectors.
- Dimensions (WxHxD): 483 x 44 x 190 mm.
- Weight : 1.8 kg.

FLEX LED LAMPS

This series of flex LED lamps represents useful tools for audio professionals (DJ, engineers, etc.) in dark working areas. Their lighting source comes from a white LED that ensures long lifetime and strong intensity, being particularly appropriate for DJ mixers or rack format elements.
Each lamp features its own connector in order to adapt the series to any connection requirements: XLR3, USB and, in the case of D4, external supply and subjection clip for maximum convenience.

D 4 LED

Flex LED lamp

NEW

FEATURES

- Flex LED lamp.
- Light source: 4 LEDs.
- Main supply: AC 230 V / DC 12 V (external supply included).
- Subjection clip and interrupter.
- Length: 330 mm.

XLR LED

Flex LED lamp

NEW

FEATURES

- Flex LED lamp.
- Light source: 4 LEDs.
- Main supply: DC 12 V.
- XLR3 pin connector.
- Length: 320 mm.

USB LED

Flex LED lamp

NEW

FEATURES

- Flex LED lamp.
- Light source: 4 LEDs.
- Main supply: DC 5 V.
- USB connector.
- Length: 420 mm.

FLEX LAMPS

D 2

Module for signalization and lighting

Lighting and signalization tool for audio professionals (DJ, engineers, etc.) in dark working areas. **D2**'s format is particularly appropriate for rack elements.
It features 2 incandescent lamps that can be oriented in any direction to light front or rear panels. Its potentiometer allows adjusting light intensity.

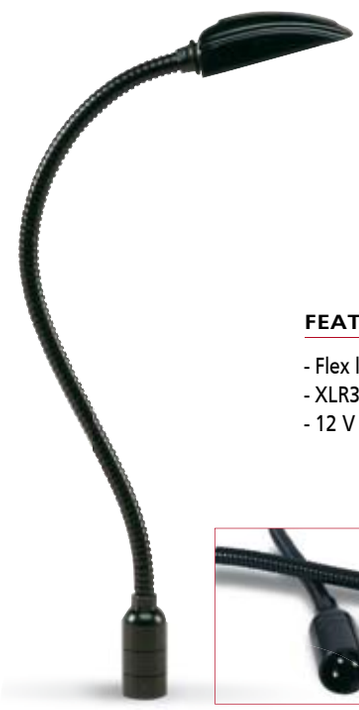
FEATURES

- Tool for lighting and signalization.
- 1U rack enclosure with 2 flex lamps.
- Dimmer control.
- 2 x DC 12 V lamps.
- Included DC supply.

Flex lamp with incandescent light bulb designed to light devices like DJ consoles or rack units in dark working areas. Its connectors (XLR3 or BNC) allow using these tools with any device featuring standard connectors.

XLR LIGHT

Flex lamp



FEATURES

- Flex lamp.
- XLR3 male connector.
- 12 V lamp.

BNC LIGHT

Flex lamp

FEATURES

- Flex lamp.
- BNC connector.
- 12 V lamp.

CD 700 MP3

CD/MP3/VCD player

35 seconds ANTI-SHOCK

Audio format versatility.

CD 700 MP3 is an interesting audio player for fixed installations as it can read many audio formats. Thus, it features a VCD, MP3, CD-R and CD player in a 2U rack units.

Easy control and precise information.

Intuitive control panel of **CD 700 MP3** features options like Forward/Backward search, Repeat mode or even Program (78 tracks). Thanks to its VCD interface, it is possible to send audio and video to any screen.

LCD display on front panel shows the current track and real time information. In addition, a vumeter animation indicates anti-shock memory level (35 sec. max.).

FEATURES

- CD/MP3/VCD player.
- Repeat one/all modes.
- 78 track program mode.
- 35 sec. anti-shock memory.
- Suitable for DC 24 V supply.

TECHNICAL DATA	CD 700 MP3
Disc format:	CD/CD-R
Disc dimensions:	8-12 cm.
File format:	Audio CD/ MP3/VCD.
Anti-shock memory:	35 seconds.
Video output:	1 Vpp.
Audio output:	0 dBV (1Vms) 600 Ω.
Frequency response:	20 Hz ~ 20 kHz.
S/N Ratio:	>80 dB.
Dynamic range:	>90 dB.
Main supply:	AC 115/230 V 50/60 Hz.
Dimensions (WxHxD):	483 x 88 x 370 mm.
Weight:	6.7 kg.

NEW

MULTIPLAYER 2

CD player with USB/SD interface

40 seconds ANTI-SHOCK

Adapted to new audio storage devices.

Designed in a 1U rack enclosure, this elegant audio player provides many input sources. In addition to traditional CDs, it perfectly plays MP3 form CD-R and CD-RW, external storage devices plugged by USB and, as the main improvement of the model, SD cards.

Thanks to its versatility, **Multiplayer 2** offers the possibility to choose the storage devices that users want to.

Intuitive use.

The different ways to use **Multiplayer 2** and ID3 TAG visualization (for MP3 mode) make audio control easier, allowing track programming.

FEATURES

- Audio player with SD/CD/CD-R/CD-RW/MP3/USB MP3 interfaces.
- 1U rack enclosure.
- USB/SD input.
- 40 seconds Anti-shock buffer for CD-player.
- Easy searching function for files and directories.
- Operating modes: Random/Play all, Repeat.
- Prog & Mute modes.
- ID3 TAG visualization.
- Power Supply: AC 230 V 50 Hz.
- Dimensions (WxHxD): 483 x 44 x 250 mm.

Buttons for operating modes and functions.

Direct access buttons.

TECHNICAL DATA	MULTIPLAYER 2
Format types:	CD/CD-R/CD-RW.
Disc dimensions:	8-12 cm.
Additional inputs:	SD card and USB port.
File formats:	Audio CD/MP3.
Anti-Shock memory:	40 seconds.
Programming:	78 tracks.
THD:	< 0.1%.
Channel separation:	> 60 dB.
Frequency response:	20 Hz - 20 kHz.
Main supply:	AC 230 V 50 Hz.
Dimensions (WxHxD):	483 x 44 x 250 mm.
Weight:	3.5 kg.

Interface for SD cards (used as external storage devices).

Interface for USB external storage device.

NEW

REAL DJ

Double USB/SD DJ system + mixer

2x50W SELF-POWERED MIXER

USB interface on each player to get access to external audio files.

SD card interface on each player to get access to external audio files.

This self-powered disco mobile system features 2 USB/SD players and a 2 channel mixer.

The player section provides an interface that allows playing MP3 files from USB storage devices and SD cards. Two other inputs (Phono/Line) have been added to connect external players like CD players, turntables or other external MP3 devices. Designed for DJs, it also has an input for microphone with tone control and Echo effect.

REAL DJ provides all the common features that can be found on a DJ mixer: Pitch (6, 12 and 18% selection), Loop, Repeat, Program, Cue, BPM counter, time visualization, etc. Effects like Brake, Rev (for inverted track play) and Scratch via jog-wheel complete the functions of this mixer.

To control it, the 2 channel mixer section has an input source selector (between USB/SD interfaces and Phono/Line inputs), input gain control, 3 band equalizer and Crossfader function between channels. Its high quality faders ensure the perfect control of these channels. Track selection is very intuitive, as a unique touch allows getting access to the different files available and to a precise frame of the track.

Regarding user and mixer interaction, 2 back-lighted LCD displays provide all the information about tracks (time, frames, ID TAG information, etc.). Displays are integrated on large and ergonomic jog-wheels for an optimum control.

REAR PANEL

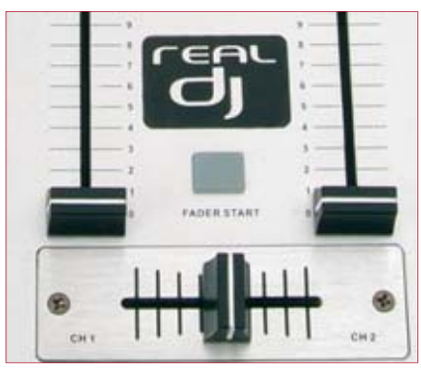
Connection example, using Real DJ with 2 loudspeakers, thanks to its internal 2 x 50 W stereo amplifier.

FEATURES

- 2 Channel DJ mixer/amplifier (2 x 50 W).
- Input sources: Phono/Line/SD/USB.
- Additional headphone input with selection control.
- Outputs: Master and Rec.
- Inner ECO and Crossfade function.
- Controllers: Pitch, scratch, track search, fader start, crossfader, etc.
- ID 3 tag info displayed in the LCD screens.

Back-lighted LCD display providing all the required information.
Jog-wheel for easy track search and effects

TECHNICAL DATA	REAL DJ
Player section:	
Input interface:	2 USB/SD card ports.
Pitch level:	± 6%, 12%, 18%
Effetcs:	Brake, Repeat, REV.
Mixer/amplifier section:	
Channels:	2 x (SD/USB + Phono/Line) + Mic.
Equalizer:	3 bands (+- 12 dB).
Output power:	2 x 50 W @ 4 Ω.
Main supply:	AC 110-230 V 50/60 Hz.
Dimensions (WxHxD):	480 x 250 x 60 mm.
Weight:	3.7 kg.



Crossfader for both channels and Fader start function to start from the crossfader potentiometer.

CLUB MASTER 5

DJ mixer

One mixer, many possibilities.
Designed in a 19" rack enclosure, **CLUBMASTER 5** features helpful functions like independent monitor out or RCA input on front panel for MP3, being adequate for any kind of events.

Its 100 mm. faders provide a perfect control of the mix. In addition, the Rec output enables to include (or not) the DJ Mic channel when a show is recorded.

FEATURES

- 8 Input channel mixer:
  - 1 exclusive Mic input with Talkover function.
  - 7 stereo channels with up to 4 selectable input source (Mic/Phono/Line/Aux).
- Channel 8 with front input for MP3 player use.
- 8U rack enclosure.
- 100 mm. slide faders.
- 2 independent stereo Master outputs.
- PFL indicator.
- Crossfader function over all channels with selectable LED indicator between Master and Monitor.
- Selector for recording session with or without DJ mic channel.
- Rec and monitor outputs.

REAR PANEL

100 mm slide faders.

Rec output.

2 independent Master outputs.

Front Line input for MP3 players.
Each channel output can be selected on front panel.

TECHNICAL DATA	CLUB MASTER 5
Inputs:	- DJ Mic: 2 x Combi (front + rear), - Selec. input: 7 x Combi + 3 x RCA connectors.
Outputs:	2 x Bal. XR3 Master 1 + 2 x Bal. XR3 Master 2 + Phones (¼" Jack) + Rec + Monitor (RCA connectors).
Channel gain:	-20 dB ~ +18 dB.
Crosstalk:	>75 dB.
Frequency response:	20 Hz ~ 20 kHz.
THD+N:	< 0.01%.
Power consumption:	20 W.
Main supply:	AC 220 V 50 Hz.
Dimensions (WxHxD):	483 x 370x 125 mm.
Weight:	7 kg.

CLUB MASTER 1

19" mixer

REAR PANEL

Only 3U rack units for a full DJ mixer.

CLUBMASTER 1 offers all the features of a professional mixer in only 3U rack units.
It has 6 channels with different input sources and a 3 band equalizer (balance for each one). With 2 Mic inputs with priority, music automatically goes down when DJ talks.
CLUB MASTER 1 also features options like Rec and headphone outputs, being an interesting device for many small/medium size installations.

Master output control.

3 band equalizer.

Balanced outputs.

FEATURES

- 8 input channel mixer, 2 Mic inputs with Talkover function.
- 6 stereo channels with selectable input source (Line/ Phono, Line/CD, Line1/Line2).
- 3U rack enclosure.
- 70 mm. slide faders.
- Mic inputs with front and rear connectors.
- 3 band equalizer for stereo channels ad Master section.
- Gain level and PAN function.
- PFL indicator.
- LED vumeter.
- Balance on Master section.
- Headphone output with gain level.
- Rec output.

TECHNICAL DATA	CLUB MASTER 1
Inputs:	- DJ Mic: 2 x Combi (front) + 2 x Combi (rear), - Selectable inputs: 6 x RCA dual connectors.
Outputs:	2 x Bal. XR3 connectors + Phones (¼" Jack) + Rec (RCA connectors).
Channel gain:	-20 dB ~ +18 dB.
Crosstalk:	>75 dB.
Frequency response:	20 Hz ~ 20 kHz.
THD+N:	< 0.01%.
Power consumption:	8 W.
Main supply:	AC 220 V 50 Hz.
Dimensions (WxHxD):	483 x 132 x 230 mm.
Weight:	5 kg.

SION series

DJ mixers

Mixers designed for DJs.

Compact mixers from the **SION series** provide all the features for a complete control on signal that require DJ on live performances.

Their channels feature an input source selector (Phono/Line/CD) to adequate mix with connected devices, in addition to an exclusive DJ Mic input (Talkover function with priority), a 3 band equalizer and gain control. All the mixers feature Rec output and headphone output.

Due to DJs working conditions, slide faders have a fast removing system, so they can be easily changed over the years. **SION mixers** also have a crossfader function (channel assignation for **SION 4**). **SION 30** and **SION 4** also stand out for their PFL function available on each channel.

NEW

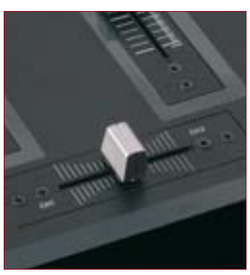
SION 20

NEW

SION 30

SION 4

Front Mic input (**SION 20**).



Crossfader with fast removing system.

Control Master and monitor (**SION 30 and SION 4**).

Crossfader with channel assignation (**SION 30 and SION 4**).

High luminosity LED vumeter of 10 segments (**SION 30 and SION 4**).

Talkover and PFL modes (**SION 30 and SION 4**).

Control for monitor and headphone (**SION 30 and SION 4**).

REAR PANEL

FEATURES

- 2 channel DJ mixer (**SION 20**).
- 3 channel DJ mixer (**SION 30**).
- 4 channel audio mixer (**SION 4**).
- Input source selector on each channel.
- Mic input with Talkover function and connectors on front and rear panels (**SION 30** and **4**).
- 2 band equalizer (**SION 20**) or 3 band equalizer (**SION 30** and **SION 4**) on each channel.
- LED vumeter for L/R outputs and PFL assignation (**SION 30** and **SION 4**).
- Headphone output with level control, Master selection and pre-listening.
- Channel gain potentiometers and crossfader with fast removing system.
- Rec output.

TECHNICAL DATA	SION 20	SION 30	SION 4
Inputs:	2 Phono/CD, 2 Line, 1 Mic.	2 Phono/CD, 3 Line, 1 Mic.	2 Phono/CD, 4 Line, 1 Mic.
INPUT LEVELS			
Mic:	1 mV RMS,	1 mV RMS,	1 mV RMS,
Phono:	3 mV RMS,	3 mV RMS,	3 mV RMS,
Line:	150 mV RMS.	150 mV RMS.	150 mV RMS.
OUTPUT LEVELS			
Rec:	0.35 V,	0.35 V,	0.35 V,
Master/Booth:	1 V.	1 V.	1 V.
Frequency response:	20 – 20 kHz.	20 – 20 kHz.	20 – 20 kHz.
Distortion:	< 0.03%.	< 0.03%.	< 0.03%.
S/N Ratio:	> 80 dB.	> 80 dB.	> 80 dB.
TONE CONTROL			
Low:	100 Hz -12 dB/+ 12 dB,	100 Hz -32 dB/+ 13 dB.	100 Hz -32 dB/+ 13 dB.
High:	10 kHz -12 dB/+ 12 dB.	10 kHz -32 dB/+ 12 dB.	10 kHz -32 dB/+ 12 dB.
Mid:	—	1 kHz -32 dB/+13 dB.	1 kHz -32 dB/+13 dB.
Talkover:	—	15 dB.	15 dB.
Main supply:	DC 12 V 700 mA.	AC 110/220 V - 220 mA.	AC 110/220 V - 220 mA.
Dimensions (WxHxD):	200 x 275 x 80 mm.	240 x 350 x 85 mm.	295 x 350 x 85 mm.
Weight:	2.1 kg.	3.4 kg.	4.2 kg.

SION 30 USB

SION 40 USB

DJ mixers

NEW

SION 40 USB

SION 30 USB

Cue level adjustment.

Independent master and Booth control.

Balanced outputs.

Both models feature a **USB FULL DUPLEX MP3** interface (player/recorder). Portable devices can be connected to SION USB mixers through USB or SD card. MP3 files are visualized on the display that provides maximum convenience in searching files between folders and programming tracks.

Connected to a computer, the USB FULL DUPLEX port emulates a codec for:
- MP3 files triggering from the console (from PC to mixer).
- Audio recording, using the appropriate software (from mixer to PC).
This allows users triggering and recording at the same time.

As concerns control and mix, these models feature 3 channels (**SION 30 USB**) and 4 channels (**SION 40 USB**) with input source selector. One of the channels can be used as DJ Mic with Talkover function (**SION 40 USB** also features a crossfader function between inputs with assignation control).

Another great improvement of these SION USB mixers is that they provide both balanced and unbalanced outputs, as well as another one with individual control. All these inputs have a PFL function and monitorized control for headphone output.

REAR PANEL

SION 40 USB

SION 30 USB

USB FULL DUPLEX port to play files from external USB/SD card storage devices. Track information on display.

FEATURES

- DJ mixers featuring 3 channels (**SION 30 USB**) and 4 channels (**SION 40 USB**).
- Additional DJ Mic input with Talkover function.
- 3 band equalizer and gain control for each channel.
- Crossfader function (assignation control for **SION 40 USB**).
- Balanced/Unbalanced outputs. Additional BOOTH output.
- USB/MP3 interface with standard USB ports and SD card slot.
- USB/MP3 track programming.
- USB FULL DUPLEX port to play files or record audio sessions from a PC.

Example of Master signal edition using software through USB FULL DUPLEX port.

TECHNICAL DATA	SION 40 USB	SION 30 USB
Inputs:	4 Line, 2 PH/CD, 1 CD/MP3, DJ Mic, USB, SD.	3 Line, 1 PH/CD, CD/MP3, DJ Mic, USB, SD.
INPUT LEVELS **Mic:** **Phono:** **Line:**	 1 mV RMS, 3 mV RMS, 150 mV RMS.	 1 mV RMS, 3 mV RMS, 150 mV RMS.
Outputs:	Master, Booth, Rec, Master Bal, Phones.	Master, Booth, Rec, Master Bal, Phones.
OUTPUT LEVELS **Rec:** **Master/Booth:**	 0.35 V. 1 V.	 0.35 V. 1 V.
Frequency response:	20 – 20.000 Hz.	20 – 20.000 Hz.
Distortion:	< 0.03%.	< 0.03%.
S/N Ratio:	> 80 dB.	> 80 dB.
TONE CONTROLS: **Low:** **High:** **Mid:**	 100 Hz -32 dB/+ 13 dB. 10 kHz -32 dB/+ 12 dB. 1 kHz -32 dB/+13 dB.	 100 Hz -32 dB/+ 13 dB. 10 kHz -32 dB/+ 12 dB. 1 kHz -32 dB/+13 dB.
Talkover:	15 dB.	15 dB.
Main supply:	115/230 V AC - 220 mA.	115/230 V AC - 220 mA.
Dimensions (WxHxD):	295 x 350 x 85 mm.	240 x 350 x 85 mm.
Weight:	4.3 kg.	3.5 kg.

MMX 65

Audio mixer

REAR PANEL

Mic input configuration.

Balanced outputs and Master gain control.

Zone selector on each input. Input 1 with priority.

Master section with zone control and equalizer.

Extended features in a very reduced size.

MMX 65 includes in only 1U rack enclosure 2 output zones with independent equalizers.
Its 6 input channels with source selector and priority (channel 1 for microphone) feature a very versatile device. Additional functions for voice channel (delay, equalizer, sensitivity adjustment) ensure an optimum control of audio mix.

Each input channel can be assigned to zone 1, 2 (or both), so this is a very interesting mixer for stores, schools, etc.

FEATURES

- 6 input mixer with source selector.
- 1U rack enclosure.
- Inputs: 6 lines, 1 Phono, 3 microphone.
- Mic 1 input with Talkover, reducer, sensitivity adjustment, delay time, EQ and gain control.
- Mute function for all inputs.
- Two output zones with gain, balance, EQ and stereo/mono selector.
- Headphone output with volume control.

TECHNICAL DATA	MMX 65
Inputs :	6 Line, 1 Phono and 3 Mic.
Input impedance:	10 kΩ (with unbalanced signals).
Frequency response:	22Hz-22KHz.
Equalizer:	Low: +/-20 dB, Medium: +/-15 dB, High: +/-15 dB.
Distortion:	<0.01%.
Outputs:	Balanced XLR3 and unbalanced ¼" Jack.
Main supply:	AC 2 x 15.5 V (power supply unit included).
Dimensions (WxHxD):	483 x 44 x 200 mm.
Weight:	2.2 kg.

MX 61

Audio mixer

REAR PANEL

MX 61 is a 6 channel mixer that allows connecting microphone or Line signals on each input channel.
For a better control, **MX 61** has a 2 band equalizer on Master section, individual gain control on each channel and general volume control for mix. There is a switch on rear panel to select output level (HI/Low) and adjust it to a power unit input. Its 19" rack format allows using it in any installation.

TECHNICAL DATA	MX 61
Inputs:	6 Mic (Bal. XLR3) + 6 Line (¼" Jack).
Outputs:	Bal. XLR3 + ¼" Jack.
Main supply:	AC 230 V 50 Hz
Dimensions (WxHxD):	483 x 44 x 203 mm.
Weight:	3.2 kg.

FEATURES

- 6 Mic/Line channel mixer.
- 1U rack enclosure.
- Mic/Line balanced inputs on each channel.
- Individual gain control on each channel and general volume control for mix.
- Phantom supply (15 V) on channels 4-6 for microphone inputs.
- High (1.5 V) Low (0.5 V) dual output.

MMX 60

Audio mixer

REAR PANEL

Separate L/R Master control. Headphone input.

Talkover function for channel 1 or 1+2 and Mic/Line input source selector on each channel.

This 6 stereo channel mixer has been designed to provide an easy control of audio mix.
Its 3 band equalizer on Master section allows the configuration of different channel levels, with an easy control of output level. A Mic/Line selector is also available for each input.
MMX 60 includes a Talkover function for the channel 1 (or both 1 and 2) and separated master outputs to select the different zones. Its 19" rack format allows using it in any installation, and it is all appropriate for shopping malls, hotels or schools.

TECHNICAL DATA	MMX 60
Inputs:	6 Mic (Bal. XLR3) + 6 Line (Unbal. RCA)
Outputs:	L/R Master (Bal. XLR3 / Unbal. RCA) + Rec (Unbal. Rec)
Main supply:	AC 230 V 50 Hz.
Dimensions (WxHxD):	483 x 44 x 200 mm.
Weight:	3.1 kg.

FEATURES

- 6 input channel mixer.
- Mic/Line selector on each channel.
- Gain and balance controls on each channel.
- 3 band equalizer on Master section.
- Talkover function with level control.
- Separated L/R Master control outputs.
- Phantom supply (12 V) for microphones.
- LED vumeter and peak indicators.

NEO Series

Loudspeakers

INSTALLATION LOUDSPEAKERS

New **NEO series** is the perfect union between sound and design.

Different sizes to meet any corner.
With 3 models (4", 5", 6") available in 2 colours, **NEO series** provides to decorators an optimum flexibility regarding installation requirements. A self-powered version of **NEO 5** and **NEO 6** is also available.

Quick & easy installation.
With the (optional) wall-mount bracket, it becomes very easy to install **NEO series**. It ensures the perfect orientation of the loudspeakers.

An elegant design.
Decorators and architects can take advantage of the elegant design of **NEO loudspeakers** and use them as another element of decoration. This makes visual integration easier in bars, galleries, shops, etc.

NEW

REAR VIEW

Passive version.

Fast mounting system (included).

NEO 4

NEO 5

NEO 6

TECHNICAL DATA	NEO 4	NEO 5	NEO 6
Type:	**2 way loudspeaker Line 70/100V - 8Ω.**	**2 way loudspeaker Line 70/100V - 8Ω.**	**2 way loudspeaker Line 70/100V - 8Ω.**
Elements:	4" woofer + 13 mm tweeter.	5¼" woofer + 13 mm tweeter.	6½" woofer + 25 mm tweeter.
Power output:	Line 100V (16/8/4/2 W) 30W@8Ω.	Line 100V (16/8/4/2W) 40W@8 Ω.	Line 100V (30/16/8/4W) 60W@8Ω.
Frequency response:	70 Hz - 20 kHz.	60 Hz - 20 kHz.	55 Hz - 20 kHz.
Sensitivity:	87 dB@1W/1M.	88 dB@1W/1M.	89 dB@1W/1M.
Housing:	Polypropylene with aluminium grill.	Polypropylene with aluminium grill.	Polypropylene with aluminium grill.
Dimensions (WxHxD)	140 x 205 x 120 mm.	150 x 230 x 150 mm.	200 x 290 x 165 mm.
Weight:	1.95 kg each one.	2.4 kg each one.	3.1 kg each one.

NEO 5 A
NEO 6 A

Self-powered loudspeakers.

REAR VIEW

Fast mounting system (included).

NEW

Two self-powered models complete the **NEO series** for a maximum convenience in designing installations.
They feature a digital (class D) amplifier with two channels, high and low tone controls, RCA, Mini Jack inputs and a speaker powered output. Each self-powered loudspeaker comes with another (passive) loudspeaker.

NEO loudspeakers are available in black and white.

TECHNICAL DATA	NEO 5 A	NEO 6 A
Type:	**2 way self-powered loudspeaker.**	**2 way self-powered loudspeaker.**
Elements:	5¼" woofer+ 13 mm tweeter.	6½" woofer + 25 mm tweeter.
Power output:	2 x 25W RMS @ 4Ω.	2 x 30W RMS @ 4Ω.
Frequency response:	60 Hz – 20 kHz.	55 Hz – 20 kHz.
Sensitivity:	88 dB@1W/1M.	89 dB@1W/1M.
Material:	Polypropylene with aluminium grill.	Polypropylene with aluminium grill.
Dimensions (WxHxD)	150 x 230 x 150 mm.	200 x 290 x 165 mm.
Weight:	4.4 kg each one.	5.1 kg each one.

STUDIO 30 LINE | STUDIO 50 LINE | STUDIO 40 LINE | STUDIO 20 LINE | STUDIO 40 A (Self-powered). STUDIO 50 A (Self-powered).

STUDIO SERIES

INSTALLATION LOUDSPEAKERS

STUDIO 20 Line

STUDIO loudspeakers are light and compact.

Adapted to almost any configurations.

Designed for stores, galleries or conference rooms with different points of audio diffusion, this range of speakers (including several fitting sizes, with or without transformer) offers multiple possibilities to optimize and balance audio mix in all the area. Their installation is fast and simple, and they have been externally reinforced with a thick ABS housing.

Optimum sound quality.

Each loudspeaker is composed of a high performance speaker and an opened tweeter propagation (60º x 90º): sound is perfectly clean so music and speech quality is ensured, whatever the distance between speakers and public. They are particularly recommended for those who need high quality sound in their audio installations.

Power selector and input connections.

STUDIO loudspeakers are available in black and white.

Omni-directional bracket
SPB-1/E (optional).

Wall-mount bracket
(included).

Wall-mount bracket
SPB MINI (optional).

TECHNICAL DATA	STUDIO 20 Line	STUDIO 30 Line	STUDIO 40 Line	STUDIO 50 Line
Description:	**2 way Line loudspeakers (70/100 V @ 8Ω).**	**2 way Line loudspeakers (70/100 V @ 8Ω).**	**2 way Line loudspeakers (70/100 V @ 8Ω).**	**2 way Line loudspeakers (70/100 V @ 8Ω).**
Elements:	4" woofer + tweeter.	5" woofer + tweeter.	6.5" woofer + tweeter.	8" woofer + tweeter.
Power output:	2,4,8,16 W(100V Line)/40W @8Ω.	2,4,8,16 W(100V Line)/45W @8Ω.	4,8,16,32W (100V Line)/55W @ 8Ω.	4.8,16,32W (100V Line)/65W @ 8Ω.
Input:	70V/100V Line - 8 Ω.	70V/100V Line - 8 Ω.	70V/100V Line - 8 Ω.	70V/100V Line - 8 Ω.
Max S.P.L:	89 dB.	90 dB.	90 dB.	90 dB.
Dimensions (WxHxD):	150 x 220 x 140 mm.	160 x 240 x 150 mm.	230 x 280 x 180 mm.	270 x 350 x 170 mm.
Weight:	1.55 kg.	2.7 kg.	4.8 kg.	6.3 kg.

STUDIO 40 A

STUDIO 50 A

Self-powered loudspeakers

STUDIO 50 A
(self-powered).

STUDIO 40 A
(self-powered).

STUDIO loudspeakers are available in black and white.

The STUDIO series with the advantages of amplification.
Completing the range of the successful loudspeaker STUDIO, **WORK®** introduces the self-powered version of **STUDIO 40** and **STUDIO 50** models. These loudspeakers include a stereo power amplifier that supports another passive loudspeaker of 20 W (**STUDIO 40A**) or 30 W (**STUDIO 50A**) through its link output, with a system that allows operating in Stereo/Mono way.

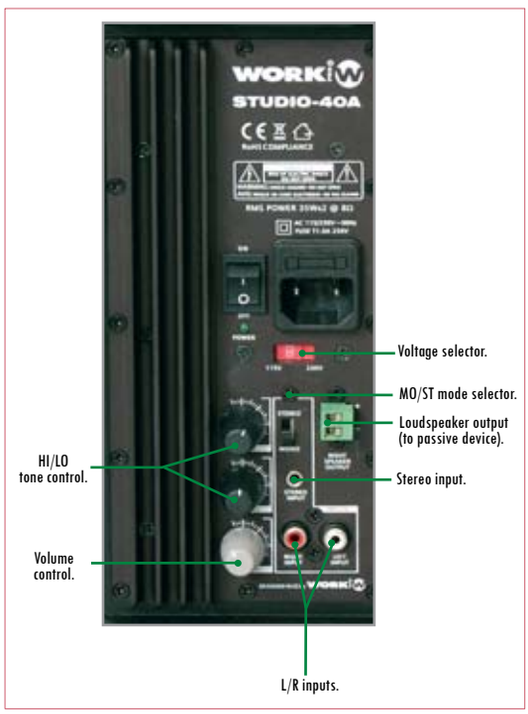
A unique device for a better control.
These speakers have independent volume and treble/low tone controls. The input connection can be made by means of mini Jack stereo connectors or using unbalanced RCA connectors. With their power output connection, **STUDIO A loudspeakers** directly power another loudspeaker, expanding the system.

FEATURES

- 2 way self-powered loudspeakers.
- Mono/Stereo operating modes.
- Link output.
- Low/High tone controls.

Each STUDIO A unit features a stereo power amplifier so it is always supplied with a passive loudspeaker.

REAR PANEL



TECHNICAL DATA	STUDIO 40 A
Elements:	6.5" woofer + tweeter.
Power output:	2 x 20 W RMS (8 Ω).
Impedance:	8 Ω.
Frequency response:	60 Hz – 16 kHz.
Main supply:	AC 115/230 V 50/60 Hz.
Dimensions (WxHxD):	230 x 280 x 180 mm.
Weight:	6.2 kg.
TECHNICAL DATA	**STUDIO 50 A**
Elements:	8" woofer + tweeter.
Power output:	2 x 30 W RMS (8 Ω).
Impedance:	8 Ω.
Frequency response:	60 Hz – 16 kHz.
Main supply:	AC 115/230 V 50/60 Hz.
Dimensions (WxHxD):	270 x 350 x 170 mm.
Weight:	6.8 kg.

ARC SUB Series

Self-powered subwoofers

All the power you need.

These self-powered subwoofers feature a powerful amplifier and a subwoofer for a perfect reproduction of low frequencies. In addition to low distortion,the transformer ensures signal integrity and long lifetime to the subwoofers.

Combination of **ARC SUB series** with wall-mount loudspeakers provides great results in bars or event rooms. Thanks to its black wood housing, they perfectly integrate themselves in any installation's design.

Total control on low frequencies.

Rear panel of ARC SUB subwoofers features many controls for connection system configuration, providing a perfect integration in any installations. Thus, it is possible to modify parameters like inner low-pass filter frequency (from 50 Hz to 150 Hz) or woofer phase inversion.

Regarding input signal, **ARC SUB series** has a conventional full range Line input, as well as another LFE that allows using it as a unique bass amplifier (in case of external passive loudspeaker use). In addition, they have a high level input for signals coming from amplification.

NEW

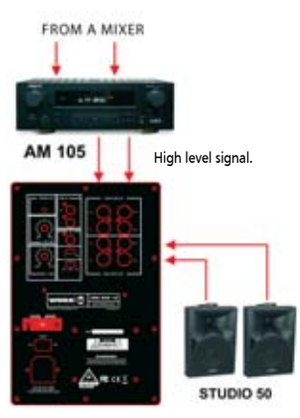
ARC SUB 12

ARC SUB 10

FEATURES

- High performance self-powered subwoofer.
- Power output: 150 W (**ARC SUB 10**) and 200 W (**ARC SUB 12**).
- Line In / LFE inputs.
- Inner cut frequency adjustment.
- 180° woofer phase inversion.
- Standby function (the amplifier only operates when it detects input signal).

TECHNICAL DATA	ARC SUB 10	ARC SUB 12
Elements:	10" woofer.	12" woofer.
Power output:	150 W.	200 W.
Frequency range (Low-pass):	33 Hz -150 Hz.	30 Hz -150 Hz.
Frequency range (LFE):	20 Hz - 380 Hz.	20 Hz - 380 Hz.
Sensitivity:	131 mV @ 150 W.	131 mV @ 200 W.
Crossover:	50 - 180 Hz.	50 - 180 Hz.
Dimensions (WxHxD):	330 x 450 x 412 mm.	380 x 489 x 470 mm.
Weight:	16 kg.	19 kg.



WS 1000
WS 1200
WS 1500

Subwoofers

NEW

WS 1000

WS 1200

WS 1500

These subwoofers are particularly appropriate for low frequency reinforcement in audio installations. The large power range of the series provides a solution for almost any situations.

Made of wood with internal reinforcement, their woofers (10", 12" or 15" depending on model) provide with a great response in low frequency and with a low-pass inner filter.

WS 1000 is ideal for fixed installation using loudspeakers like those from the NEO and STUDIO series. **WS 1200** and **WS 1500** are more appropriate for loudspeakers with a great acoustic response, like those from the **WX**, **WND** and **MINO series**.

WS 1000

TECHNICAL DATA	WS 1000
Elements:	1 x 10" woofer.
Impedance:	8 Ω +/- 15% @ 90 Hz 1 V.
Power output:	250 W RMS.
Max. power:	500 W.
S.P.L outputs:	102 dB +/- 3 dB @ 1m 1W.
Frequency response:	40 Hz a 400 Hz (S.P.L: -10dB).
Dispersion (HxV):	100° x 45°.
Crossover:	HPF: -12 dB/oct LPF: 0 dB/oct.
Dimensions (WxHxD):	320 x 540 x 460 mm.
Weight:	15.8 kg.

WS 1200

TECHNICAL DATA	WS 1200
Elements:	1 x 12" woofer.
Impedance:	8Ω +/- 15% @ 90 Hz 1 V.
Power output:	400 W RMS.
Max. power:	800 W.
S.P.L outputs:	103 dB +/- 3 dB @ 1m 1W.
Frequency response:	40 Hz a 400 Hz (S.P.L: -10dB).
Dispersion (HxV)	100° x 45°.
Crossover:	HPF: -12 dB/oct LPF: 0 dB/oct.
Dimensions (WxHxD):	350 x 625 x 530 mm.
Weight:	17.2 kg.

WS 1500

TECHNICAL DATA	WS 1500
Elements:	1 x 15" woofer.
Impedance:	8Ω +/- 15% @ 90 Hz 1 V.
Power output:	500 W RMS.
Max. power:	1.000 W.
S.P.L outputs:	103 dB +/- 3 dB @ 1m 1W.
Frequency response:	40 Hz a 400 Hz (S.P.L: -10dB).
Dispersion (HxV)	100° x 45°.
Crossover:	HPF: -12 dB/oct LPF: 0 dB/oct.
Dimensions (WxHxD):	435 x 685 x 580 mm.
Weight:	19.1 kg.

WPL series

Active and passive loudspeakers

WPL in
WPL in A

WPL 1
WPL 1 A

WPL 5
WPL 5 A

WPL BASS
WPL BASS A

High acoustic response and versatility in a same loudspeaker.
WPL loudspeakers have been designed to provide a high acoustic response in an attractive and compact ABS case.

WPL series includes self-powered and passive models with a large power range. Thus, users can choose the most appropriate loudspeaker for its installation. This diversity, associated to a great sound quality, make **WPL series** all appropriate for live shows in both fixed and mobile applications.

Folding handles.

REAR PANEL
(active models).

Input connections (passive models).

Tone controls and input selectors
(active models).

WPL 5 BAG

Designed for WPL 5 / 5 A,
WPL BASS / BASS A.

WPL 1 BAG

Designed for
WPL 1 / 1 A.

WPL in BAG

Designed for
WPL in / in A.

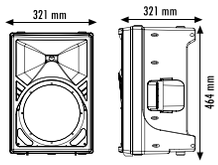
- Protection bags for the **WPL series**.
- Protection against rain and dust.
- Zipper openings to get access to handles, rear panel and mounting hole.

RACK WPL CASE 5

Flightcase for 2 **WPL 5** units
(not included).

RACK WPL CASE 1

Flightcase for 2 **WPL 1** units
(not included).

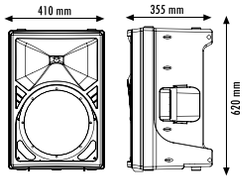


WPL in
WPL in A

WPL in / WPL in A

TECHNICAL DATA	WPL in	WPL in A
Description:	2 way loudspeaker (full range).	Self-powered 2 way loudspeaker (full range).
Elements:	1 x 10" (Bass) + 1 x 1" driver.	1 x 10" (Bass) + 1 x 1" driver.
Power output:	250 W RMS 450W peak.	—
Power amplifier:	—	100 (Bass) + 50W (Treble) RMS.
Frequency resp. (-3 dB):	55 Hz – 18 kHz.	55 Hz – 18 kHz
Dispersion (H x V):	90° x 60°.	90° x 60°.
Max S.P.L:	119 dB.	117 dB.
Nominal impedance:	8 Ω.	10 KΩ.
Sensitivity (dB/1M/1W):	95 dB.	1.15 V (+3.4 dBu).
Connectors:	2 x XLN4.	1 x Combi (XLR/Jack) + bal. male XLR3.
Insertion:	35 mm.	35 mm.
Dimensions (WxHxD):	321 x 464 x 321 mm.	321 x 464 x 321 mm.
Weight:	10 kg.	12 kg.

WPL in A
Self-powered loudspeaker.



WPL 1
WPL 1 A

WPL 1 / WPL 1 A

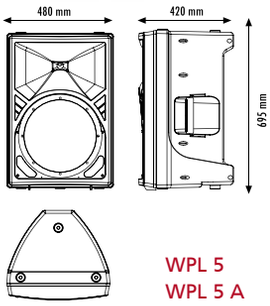
TECHNICAL DATA	WPL 1	WPL 1 A
Description:	2 way loudspeaker (full range).	Self-powered 2 way loudspeaker (full range).
Elements:	1 x 12" (Bass) + 1 x 1" driver.	1 x 12" (Bass) + 1 x 1" driver.
Power output:	300 W RMS 600W peak.	—
Power amplifier:	—	300 (Bass) + 100W (Treble) RMS.
Frequency resp. (-3 dB):	50 Hz – 20 kHz.	55 Hz – 18 kHz.
Dispersion (H x V):	90° x 60°.	90° x 60°.
Max S.P.L:	124dB.	124 dB.
Nominal impedance:	8 Ω.	10 KΩ.
Sensitivity (dB/1M/1W):	96 dB.	1.15 V (+3.4 dBu).
Connectors:	2 x XLN4.	1 x Combi (XLR/Jack) + bal. male XLR3.
Insertion:	35 mm.	35 mm.
Dimensions (WxHxD):	410 x 620 x 355 mm.	410 x 620 x 355 mm.
Weight:	20 kg.	25 kg.

WPL 1 A
Self-powered loudspeaker.

WPL 5 / WPL 5 A

TECHNICAL DATA	WPL 5	WPL 5 A
Description:	2 way loudspeaker (full range).	Self-powered 2 way loudspeaker (full range).
Elements:	1 x 15" (Bass) + 1 x 1" driver.	1 x 15" (Bass) + 1 x 1" driver.
Power output:	350 W RMS 900W peak.	—
Power amplifier:	—	300 (Bass) + 100W (Treble) RMS.
Frequency resp. (-3 dB):	40 Hz – 20 kHz.	40 Hz – 20 kHz.
Dispersion (H x V):	90° x 50°.	90° x 50°.
Max S.P.L:	126 dB.	126 dB.
Nominal impedance:	8 Ω.	10 KΩ.
Sensitivity (dB/1M/1W):	96 dB.	1.15 V (+3.4 dBu).
Connectors:	2 x XLN4.	1 x Combi (XLR/Jack) + bal. male XLR3.
Insertion:	35 mm.	35 mm.
Dimensions (WxHxD):	480 x 695 x 420 mm.	480 x 695 x 420 mm.
Weight:	27 kg.	32 kg.

WPL 5 A
Self-powered loudspeaker.



WPL 5
WPL 5 A

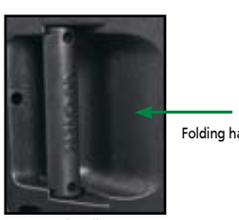
WPL BASS / WPL BASS A

TECHNICAL DATA	WPL BASS	WPL BASS A
Description:	Subwoofer loudspeaker system.	Self-powered subwoofer loudspeaker system.
Elements:	1 x 15" (Bass).	1 x 15" (Bass).
Power output:	500 W RMS 1000W peak.	—
Power amplifier:	—	400 W RMS.
Frequency resp. (-3 dB):	45 Hz – 2 kHz.	45 Hz – 2 kHz.
Nominal impedance:	8 Ω.	10 KΩ.
Sensitivity (dB/1M/1W):	97 dB.	1.15 V (+3.4 dBu).
Connectors:	2 x XLN4.	1 x Combi (XLR/Jack) + bal. male XLR3.
Insertion:	35 mm.	35 mm.
Dimensions (WxHxD):	485 x 711 x 436 mm.	485 x 711 x 436 mm.
Weight:	29 kg.	35 kg.

WPL BASS A
Self-powered loudspeaker.
Phase inverter and frequency crossover selector.

Stackable loudspeakers.

Integrated metal mounting top hat. (35 mm.)



Strong handle.

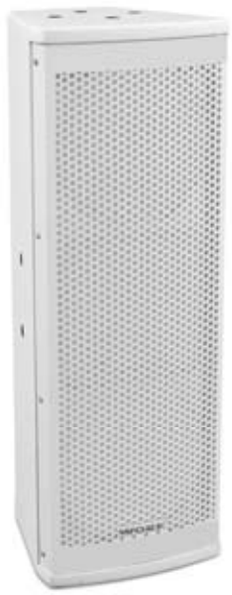
Folding handle.

WPL BASS
WPL BASS A

WND series

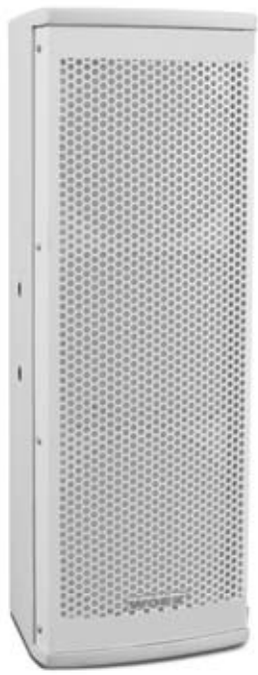
Trapezoidal loudspeakers

WND 6 B



WND 6 W

WND 8 B



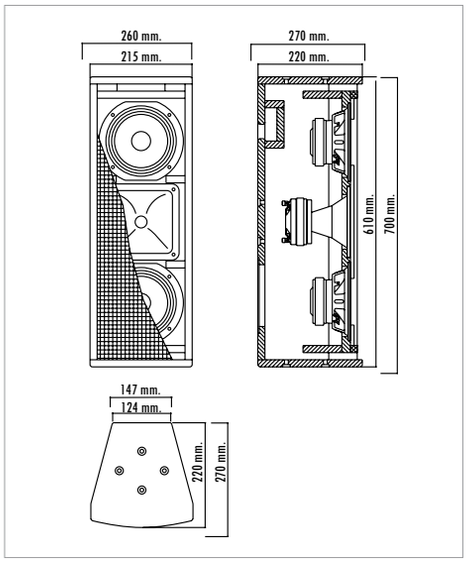
WND 8 W

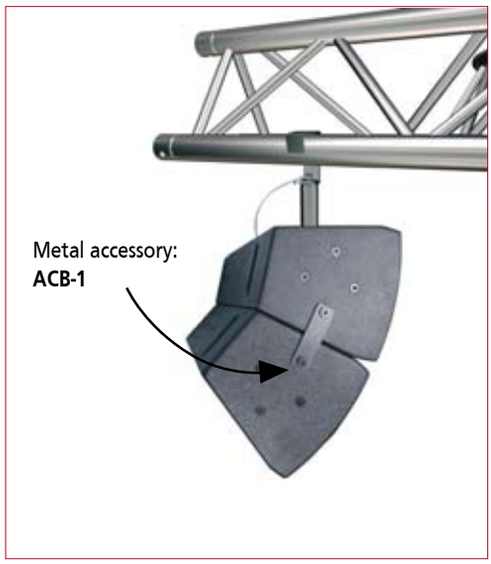
Ergonomic handle.

Input connector
(XLN4 output).

Thanks to its trapezoidal design and speaker's distribution, **WND** loudspeakers make possible many configurations, as they can be used as commercial projectors or grouped to form a cluster.
Each loudspeaker features 2 woofers and 1 tweeter for a large sound dispersion. Their combination provides an excellent output frequency mix, a well-balanced sound for short distances and a great medium frequency response.
Taking into account its shape and the 2 available colours (black and white), **WND series** is perfectly appropriate to commercial audio applications, providing flexibility and sound quality.

TECHNICAL DATA	WND 6	WND 8
Elements:	2 x 6.5" woofer + 1.35" tweeter.	2 x 8" woofer + 1.35" tweeter.
Power output:	200 W RMS.	250 W RMS.
Input connectors:	2 x XLN4.	2 x XLN4.
Impedance:	8 Ω.	8 Ω.
Max S.P.L:	119 dB.	122 dB.
Frequency response:	60 Hz – 18 kHz.	65 Hz – 18 kHz.
Dispersion (H x V):	50° - 100° x 55°.	50° - 100° x 55°.
Sensitivity:	93 dB @ 1m/1W.	95 dB @ 1m/1W.
Dimensions (WxHxD):	215 x 610 x 220 mm.	260 x 700 x 270 mm.
Weight:	13.3 kg.	17.4 kg.





Metal accessory:
ACB-1

Bracket model:
STB-5

Bracket model:
STB-10

Bracket model:
STB-20

WX series

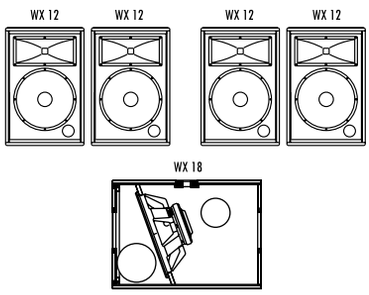
Loudspeakers

Loudspeakers from the **WX series** specially stand out for their ultra-compact design. They feature a high quality driver and they are made of wood for a better protection.
Thanks to its different accessories included (rigging system, strong handles, ¼" Jack and XLN4 connectors), **WX series** is ideal for fixed and mobile installations.

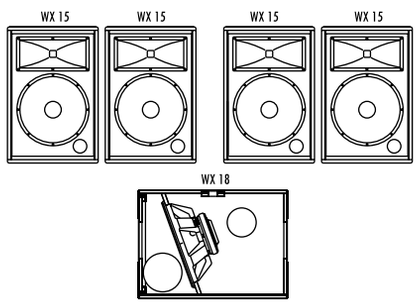
WX 10

WX 12

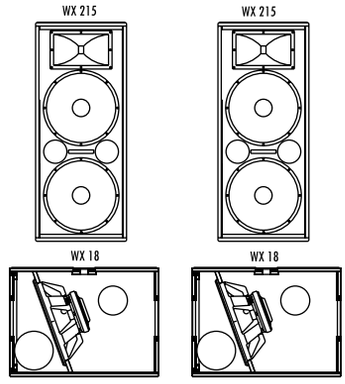
WX 15



1400 W



1600 W



2200 W

WX 215

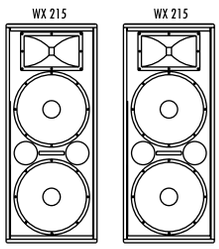
Low frequency resonator tube.

Recessed D-ring mounting system.

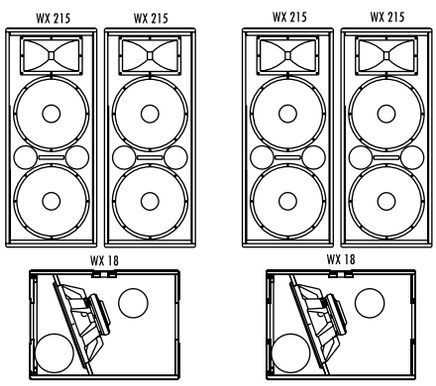
Resistant handles.

Integrated metal mounting top hat (Ø 35 mm). Not available with **WX 215**.

WX 18



1000 W

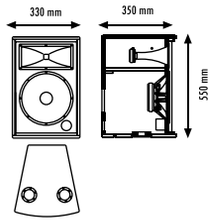


3200 W

Inputs/outputs (REAR PANEL).

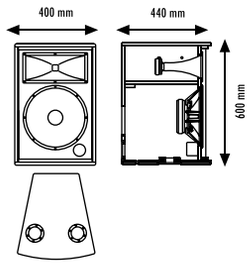
WX 10

TECHNICAL DATA	WX 10
Description:	2 way loudspeaker (full range).
Elements:	1 x 10" (Bass) + 1 x 1" driver.
Power output:	150 W RMS.
Frequency response (-3 dB):	50 Hz – 18 kHz.
Max S.P.L:	121 dB.
Nominal impedance:	8 Ω.
Sensitivity (dB/1M/1W):	93 dB.
Connectors:	2 x XLN4 + 2 x ¼" Jack.
Insertion:	35 mm.
Weight:	15 kg.



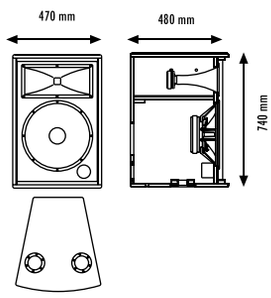
WX 12

TECHNICAL DATA	WX 12
Description:	2 way loudspeaker (full range).
Elements:	1 x 12" (Bass) + 1 x 1.5"driver.
Power output:	200 W RMS.
Frequency response (-3 dB):	50 Hz – 20 kHz.
Max S.P.L:	121 dB.
Nominal impedance:	8 Ω.
Sensitivity (dB/1M/1W):	95 dB.
Connectors:	2 x XLN4 + 2 x ¼" Jack.
Insertion:	35 mm.
Weight:	22.7 kg.



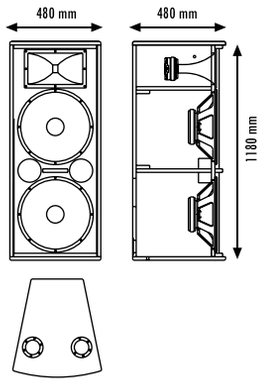
WX 15

TECHNICAL DATA	WX 15
Description:	2 way loudspeaker (full range).
Elements:	1 x 15" (Bass) + 1 x 1.5" driver.
Power output:	250 W RMS.
Frequency response (-3 dB):	45 Hz – 18 kHz.
Max S.P.L:	122 dB.
Nominal impedance:	8 Ω.
Sensitivity (dB/1M/1W):	97 dB.
Connectors:	2 x XLN4 + 2 x ¼" Jack.
Insertion:	35 mm.
Weight:	30.6 kg.



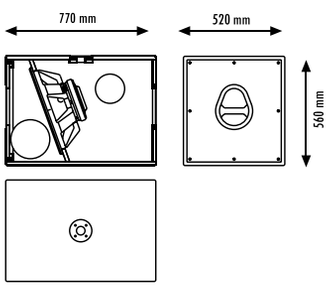
WX 215

TECHNICAL DATA	WX 215
Description:	2 way loudspeaker (full range).
Elements:	2 x 15" (Bass) + 1 x 1.5"driver.
Power output:	500 W RMS.
Frequency response (-3 dB):	45 Hz – 20 kHz.
Max S.P.L:	123 dB.
Nominal impedance:	4 Ω.
Sensitivity (dB/1M/1W):	97 dB.
Connectors:	2 x XLN4 + 2 x ¼" Jack.
Weight:	45.6 kg.



WX 18

TECHNICAL DATA	WX 18
Description:	Subwoofer loudspeaker system.
Elements:	1 x 18".
Power output:	600 W RMS.
Frequency response (-3 dB):	38 Hz – 250 Hz.
Max S.P.L:	129 dB.
Nominal impedance:	8 Ω.
Sensitivity (dB/1M/1W):	98 dB.
Connectors:	2 x XLN4 + 2 x ¼" Jack.
Insertion:	35 mm.
Weight:	37.6 kg.



MINO series

Loudspeakers

MINO series is the most complete series of loudspeakers designed by **WORK®**.
Parameters like frequency response have been optimized to offer the best results, even with high power levels.

This series includes passive and active loudspeakers from 80 W to 500 W, being appropriate for almost any audio requirements in retail shops, bars, night clubs, mobile installations, etc.

All the models feature ergonomic handles and a rigging system for an easy transport and installation. In addition, they are built in Plywood and have lateral metal protections on front grill, ensuring their strong resistance over the years.

MINO 15

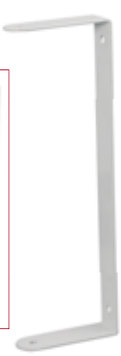
MINO 12

MINO 8

MINO 6

MINO 10

Stage monitor position.



Mounting bracket system (only included with MINO 6 and 8).

MINO 6, 8 and 10: Very convenient for an easy integration in any installations.

MINO 6, **MINO 8** and **MINO 10** are the most adequate loudspeakers of the series for retail shops or pubs.
The acoustic response, reduced size and trapezoidal form (to be used as stage monitor) of these loudspeakers considerably increase possibilities. In addition, two colours are available (black or white) for an easy integration in installation design.

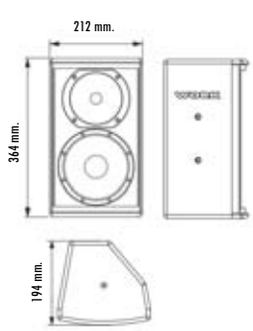
MINO 10

MINO 8

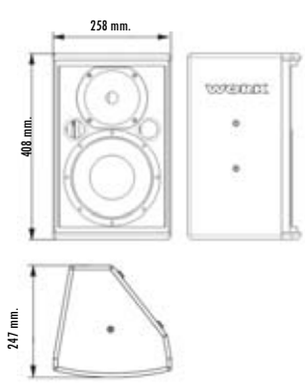
MINO 6

TECHNICAL DATA	MINO 6	MINO 8	MINO 10
Elements:	6" woofer + 1" comp. driver.	8" woofer + 1" comp. driver.	10" woofer + 1" comp. driver.
Power output (R.M.S):	80 W.	100 W.	200 W.
Sensitivity:	90dB/1W/1m.	93dB/1W/1m.	95dB/1W/1m.
Dispersion (HxV):	140° x 140°.	140° x 140°.	55-100° x 55°.
Impedance:	8 Ω.	8 Ω.	8 Ω.
Frequency response:	80 Hz - 18 kHz (-3dB).	70 Hz - 19 kHz (-3dB).	60 Hz - 20 kHz (-3dB).
Input connectors:	XLN4.	XLN4.	XLN4.
Dimensions (WxHxD):	212 x 364 x 194 mm.	258 x 408 x 247 mm.	330 x 502 x 308 mm.
Weight:	6 kg.	8 kg.	15 kg.

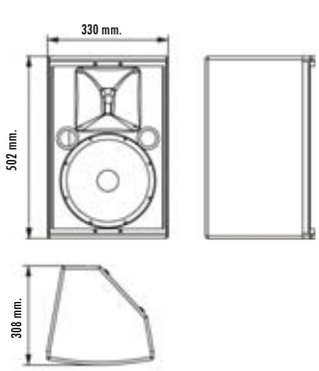
MINO 6



MINO 8



MINO 10

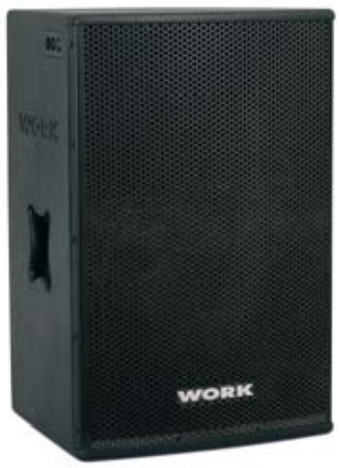


MINO series

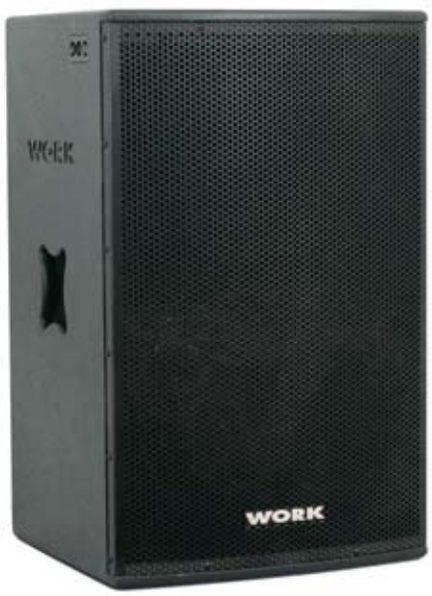
Loudspeakers

MINO 12 and MINO 15: Power and versatility.

These two loudspeakers provide a total versatility for users in both mobile and fixed installations (partly because of their rigging system). Their insertions on top allow piling them up, creating thus the desired audio configuration system. They also have a 35 mm. insertion to be fixed on walls (using mounting hole systems from the **SPB series**) or on tripods like **LW 126** or **LW 127**.
They also provide a higher power output than the three previous models: 250 W RMS for **MINO 12** and 500 W RMS for **MINO 15**.



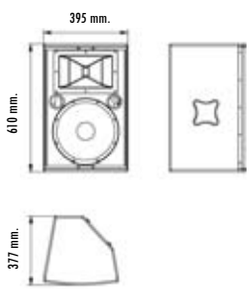
MINO 12



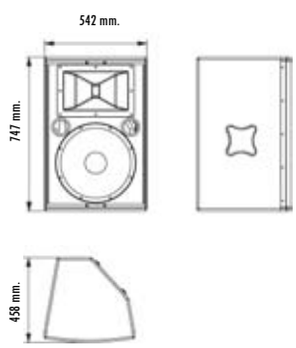
MINO 15

TECHNICAL DATA	MINO 12	MINO 15
Elements:	12" woofer + 3" comp. driver.	15" woofer + 3" comp. driver.
Power output (R.M.S):	250 W.	500 W.
Sensitivity:	97dB/1W/1m.	97dB/1W/1m.
Dispersion (HxV):	80° x 50°.	80° x 50°.
Impedance:	8 Ω.	8 Ω.
Frequency response:	60 Hz-16 kHz (-3dB).	50 Hz-16 kHz (-3dB).
Input connectors:	XLN4 x 2.	XLN4 x 2.
Dimensions (WxHxD):	395 x 610 x 377 mm.	542 x 747 x 458 mm.
Weight:	29 kg.	38 kg.

MINO 12



MINO 15



Rigging system and lateral protection for grill.

MINO A Series

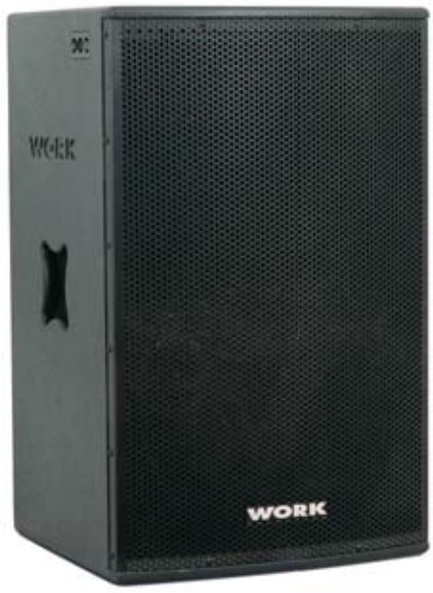
Self-powered loudspeakers

Add control and amplification to the **MINO series.**

MINO 12 A and **MINO 15 A** are 2 way self-powered loudspeakers (full range) with the same features than their respective passive models, reaching high reliability and performance.

Nevertheless, and contrary to the latter, they have a DSP control system (via software) so all signal components can be controlled from the input and to the loudspeaker output. Thus, parameters like input equalizers, compression, filter limiters, delay, etc. are fully configurable and the resulting curve is shown by the control software.

MINO 12 A

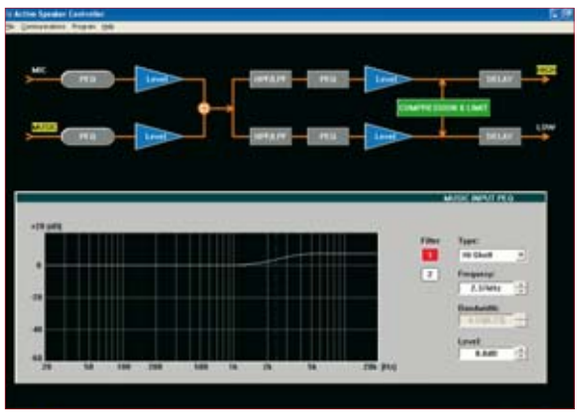


MINO 15 A

TECHNICAL DATA	MINO 12A	MINO 15A
Elements:	12" woofer + 3" comp. driver.	15" woofer + 3" comp. driver.
Power output (R.M.S):	100 W (Treb) + 300 W (Bass).	100 W (Treb) + 300 W (Bass).
Max S.P.L:	120 dB/1m.	120 dB/1m.
Dispersion:	80° x 50°.	80° x 50°.
Impedance:	8 Ω.	8 Ω.
Frequency response:	60 Hz-16 kHz (-3dB).	50 Hz-18 kHz (-3dB).
Main supply:	AC 115/230 V 50/60 Hz.	AC 115/230 V 50/60 Hz.
Dimensions (WxHxD):	395 x 610 x 377 mm.	542 x 747 x 458 mm.
Weight:	34 kg.	42 kg.

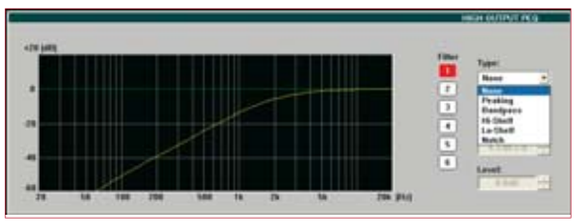
RS232 / RS485 connector on rear panel.

MINO A Series



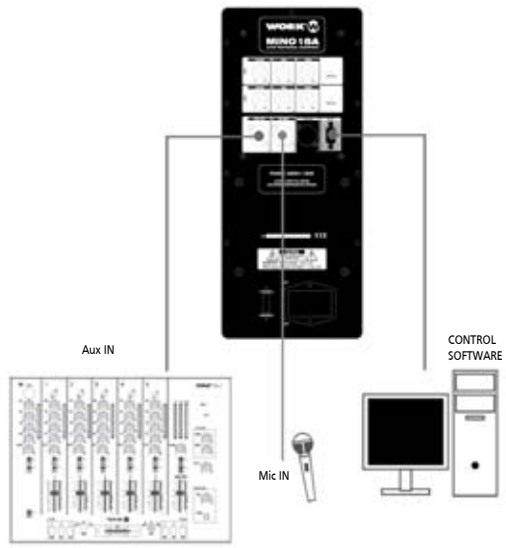
Active speaker control.

Limit and compression configuration.



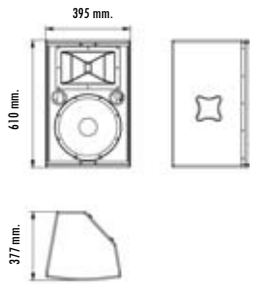
EQ output.

EXTERNAL CONNECTION FOR MINO 12 A / MINO 15 A

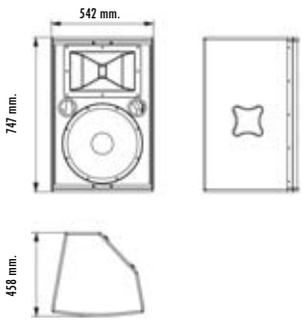


REAR PANEL

MINO 12 A



MINO 15 A



MINO 18 A-L

Self-powered subwoofer

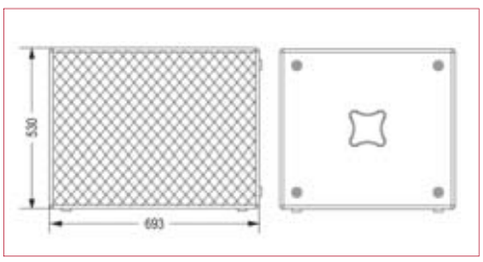
NEW

This is the self-powered subwoofer system of the **MINO series**.
Made in high quality wood for a better resistance, it provides a very clean and pure sound. It specially stands out for its power output level (600 W R.M.S) and its 2 Line outputs (full range) to connect self-powered medium and high loudspeakers. Its 35 mm. hole allows the insertion of a mounting system for medium/high loudspeakers.

Its phase inversion system increases possibilities of this subwoofer, as it allows changing speaker phase to adjust audio (depending on installations requirements).

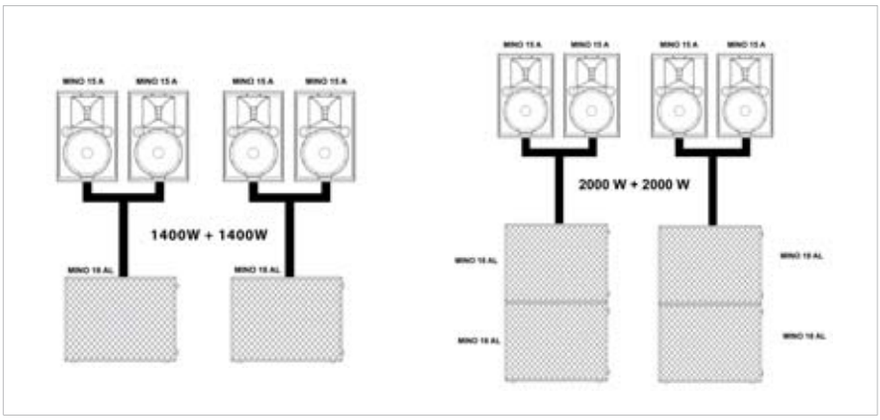
FEATURES

- High performance self-powered subwoofer.
- 18" woofer.
- Line output (Link) Full range.
- 6 band LF structure through computer simulation to maximize low frequency response.
- Adjustable crossover point (from 80 Hz to 200 Hz).
- Phase invertion system.
- Built-in protection circuitry.
- Ø35 mm insertion for mounting system installation.
- Ergonomic handles for an easy transport.



TECHNICAL DATA	MINO 18 A-L
Elements:	18" woofer.
Power output (R.M.S):	600 W.
Max S.P.L:	95dB/1W/1m.
Impedance:	4 Ω.
Frequency response:	50-250 Hz.
Main supply:	AC 115/230 V 50/60 Hz.
Dimensions (WxHxD):	693 x 530 x 580 mm.
Weight:	50 kg.

REAR PANEL



Examples of sound system installations using MINO 18 A-L.

WPRO series

High power loudspeakers

WPRO series has been designed for modular systems from 2.000 to 20.000 W, depending on the many configurations available.

They feature high quality transductors and 21 mm plywood for maximum sound quality, even with high power levels of signal. With their rigging system, iron handles and wheels for an easy transport, **WPRO loudspeakers** provide a great solution for touring companies in their largest events (sound installation in large inside/outside areas).

WPRO 15

WPRO 215

WPRO 218 S

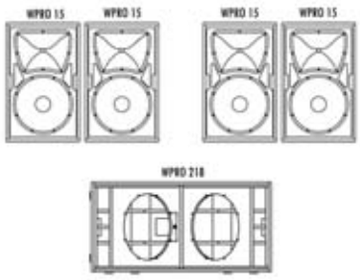
Input mode switch
(only for WPRO 215).

Rigging system.

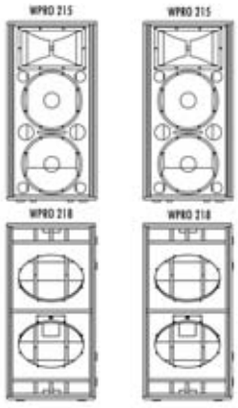
Reinforced rigging system for chains.

Wheels for easy transport.

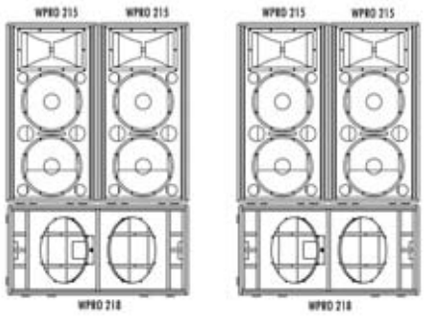
Strong handles.



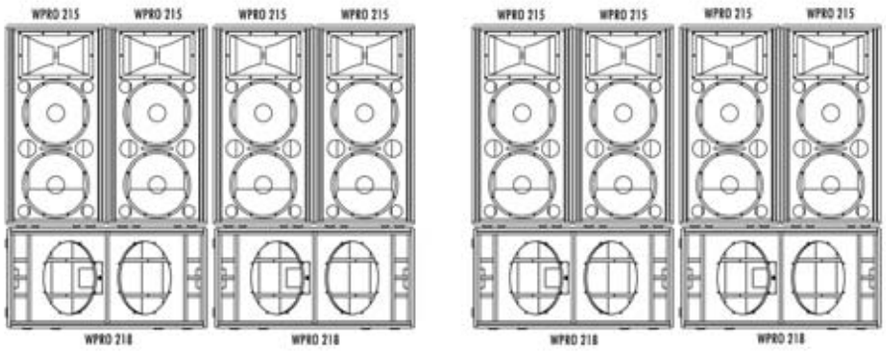
2600 W



4400 W



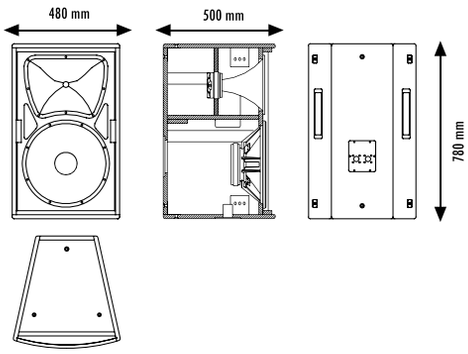
6400 W



12800 W

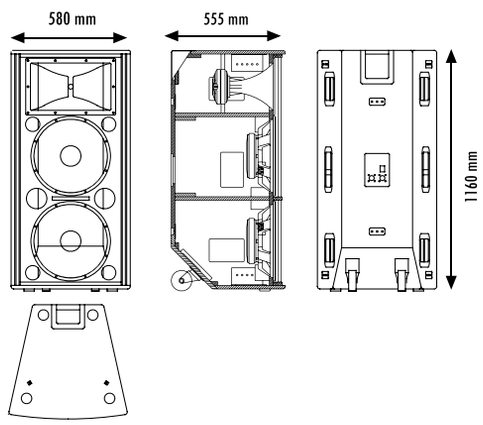
WPRO 15

TECHNICAL DATA	WPRO 15
Elements:	15" woofer + 1" driver.
Power output:	350 W (R.M.S)/700 W (Peak).
Dispersion:	70°x70°.
Frequency response:	55 Hz - 18 kHz.
Sensitivity:	97 dB.
Max S.P.L:	125 dB.
Impedance:	8 Ω.
Weight:	34 kg.



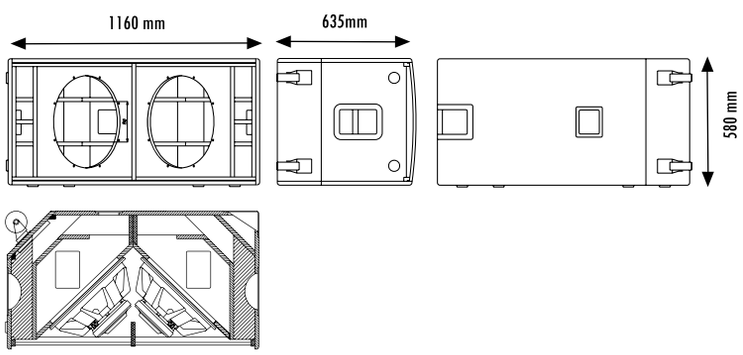
WPRO 215

TECHNICAL DATA	WPRO 215
Elements:	2x15" woofer + 3" driver.
Power output:	1000 W (R.M.S)/2000 W (Peak).
Dispersion:	70°x70°.
Frequency response:	50 Hz-18 kHz.
Sensitivity:	100 dB.
Max S.P.L:	133 dB.
Impedance:	4 Ω.
Weight:	71 kg.



WPRO 218 S

TECHNICAL DATA	WPRO 218 S
Elements:	2x18" woofer.
Power output:	1.200 W (R.M.S)/2.400 W (Peak).
Frequency response:	38 Hz - 250 kHz.
Sensitivity:	101 dB.
Max S.P.L:	134 dB.
Impedance:	4 Ω.
Weight:	97 kg.



ZEUS series

Stage monitors

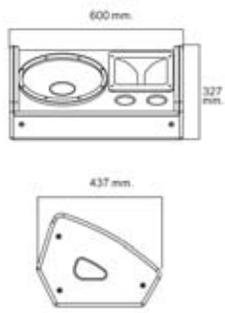
Power and liberty on stage.

Designed to be used as stage monitors, ZEUS loudspeakers combine both sound quality and power.

With three models (**ZEUS 3**, **ZEUS 5** and **ZEUS 8**) with their own sizes and power output, **ZEUS series** is perfectly adapted to different professional needs, reaching up to 600 W RMS **(ZEUS 8)**. Their wide dispersion angle (70° x 70°) allows users moving on stage without any problem. Regarding handling, the three models feature iron handles for an easy transport.

ZEUS 3

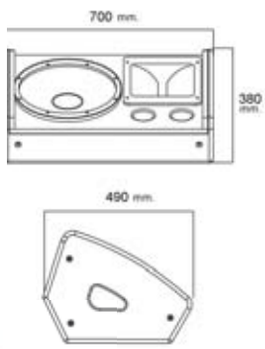
NEW



TECHNICAL DATA	ZEUS 3
Elements:	1 x 12" woofer + 3" driver.
Impedance:	8Ω +/- 15% @ 90 Hz 1 V.
Power output:	400 W RMS.
Max. power:	800 W.
Max S.P.L:	98 dB +/- 3 dB @ 1m 1W.
Frequency response:	65 Hz to 20 kHz (S.P.L.. -10dB).
Dispersion (HxV)	70° x 70°.
Crossover flange:	HPF: -18 dB/oct LPF: -12 dB/oct.
Crossover frequency:	2.5 kHz.
Dimensions (WxHxD):	600 x 437 x 327 mm.
Weight:	23 kg.

ZEUS 5

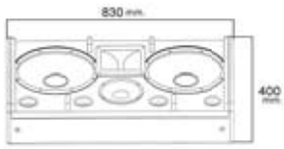
NEW



TECHNICAL DATA	ZEUS 5
Elements:	1 x 15" woofer + 3" driver.
Impedance:	8Ω +/- 15% @ 90 Hz 1 V.
Power output:	450 W RMS.
Max. power:	900 W.
S.P.L. outputs:	98 dB +/- 3 dB @ 1m 1W.
Frequency response:	50 Hz to 18 kHz (S.P.L.. -10dB).
Dispersion angle (HxV)	60° x 40°.
Crossover flange:	HPF: -18 dB/oct LPF: -12 dB/oct.
Crossover frequency:	2 kHz.
Dimensions (WxHxD):	700 x 490 x 380 mm.
Weight:	30 kg.

ZEUS 8

NEW



TECHNICAL DATA	ZEUS 8
Elements:	2 x 12" woofer + 6" (Mid) Driver + 1.77" driver.
Impedance:	4Ω +/- 15% @ 90 Hz 1 V.
Power output:	600 W RMS.
Max. power:	1200 W.
S.P.L. outputs:	100 dB +/- 3 dB @ 1m 1W.
Frequency response:	60 Hz to 18 kHz (S.P.L.. -10dB).
Dispersion angle (HxV)	70° x 70°.
Crossover flange:	HPF: -12 dB/oct MPF:12 dB/oct LPF: -12 dB/oct.
Crossover frequency:	1.5 kHz / 3.5 kHz.
Dimensions (WxHxD):	830 x 500 x 400 mm.
Weight:	41 kg.

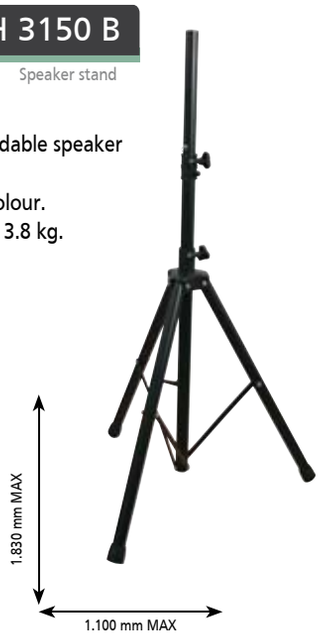
XLN4 input connectors.

Low profile design.

SH 3150 B

Speaker stand

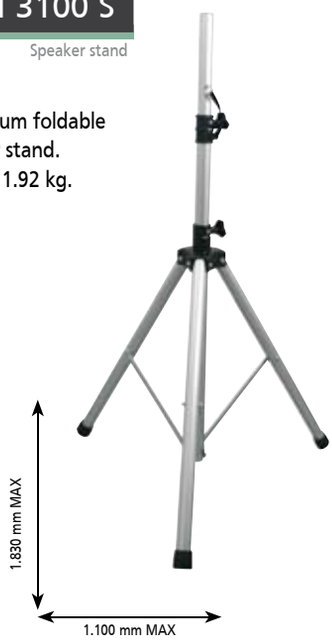
Iron foldable speaker stand.
Black colour.
Weight 3.8 kg.



SH 3100 S

Speaker stand

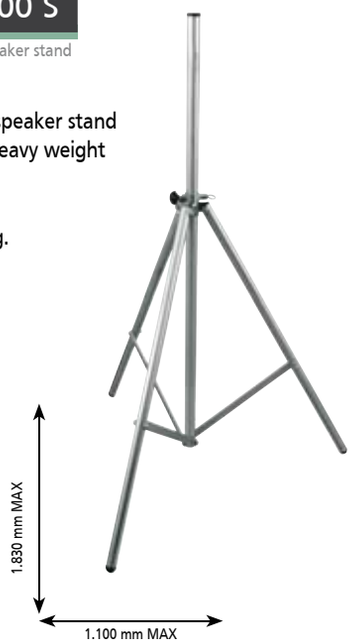
Aluminium foldable speaker stand.
Weight 1.92 kg.



SH 3200 S

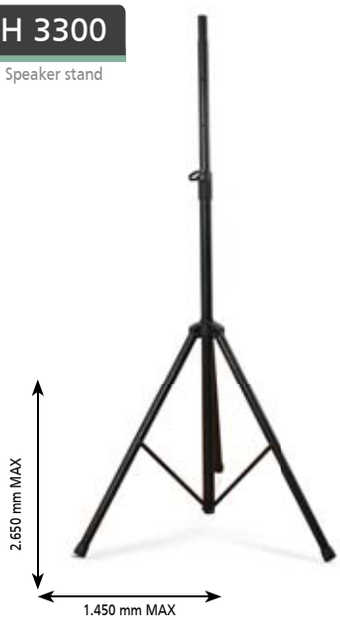
Speaker stand

Iron foldable speaker stand (suitable for heavy weight speakers).
Zinc plated.
Weight: 6.3 kg.



SH 3300

Speaker stand



SH 3300 is a black foldable stand designed for speakers and spots.
Made of iron for a better resistance to heavy loads, it allows supporting any kind of loudspeaker. Its folding feet ensure a perfect stability and its multiposition security lock avoids any problem regarding material fixation and size settings.

SH 100

Tube for speaker

Distance tube between subwoofer and satellite. Extensible.
Black Colour.

V 500

Mounting top hat

External mounting top hat for speakers. Made of plastic.
Internal diameter: 35 mm.

V 501

Mounting top hat

External mounting top hat for speakers. Made of iron.
Internal diameter: 35 mm.

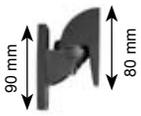
SH 606

Base for loudspeaker

Base for loudspeakers without insertion.
Suitable for SPB wall-mount bracket

SPB mini

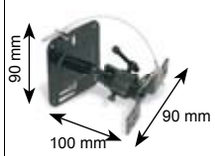
Wall-mount bracket



SPB Mini is a 3D wall-mount bracket (vertical and horizontal) specially designed for **STUDIO 20 Line** and **STUDIO 30 Line** loudspeakers.
Easy mounting system / fixation to speaker.
2 colours available: Black and white.

SPB 1 E

Wall-mount bracket



SPB 1 E/B

SPB 1 E/W

SPB 1 E is a wall-mount bracket for small-size speakers, all appropriate for installations where audio has to go unnoticed.

SPB 1 E allows a total orientation of speakers and so ensures audio spread. Thanks to its security locking cable, **SPB 1 E** ensures that speaker will never fall.

SPB 2 E

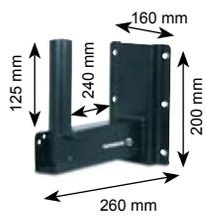
Wall-mount bracket

Wall-mount bracket for speakers.
Maximum load: 45 kg.

SPB 3 E

Wall-mount bracket

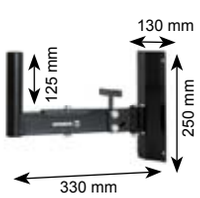
Wall-mount bracket for speakers. 3 positions with 90º and 135º turns.
Maximum load: 45 kg.



SPB 4 E

Wall-mount bracket

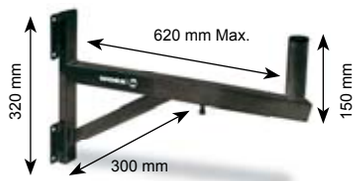
Wall-mount bracket for speakers. 2 axes of rotation.
Adjustable depth for speaker position.
Maximum load: 45 kg.



SPB 5

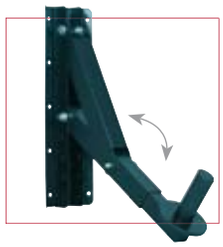
Wall-mount bracket

High resistance wall-mount bracket for speakers. Extensible arm for largest size speakers.
Maximum load: 45 kg.

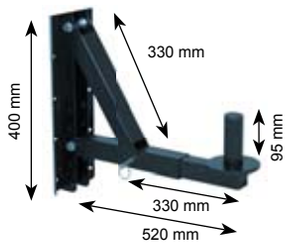


SPB 6

Wall-mount bracket



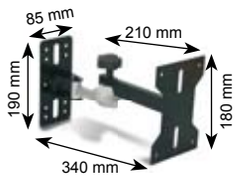
Wall-mount bracket specially designed for heavy load speakers. Reinforced rear panel allows its installation on walls and corners.
Insertion: Ø 35 mm.
Inclination angles: 22.5°, 45°, 90°, 112.5° and 135°.
Maximum load: 60 kg.

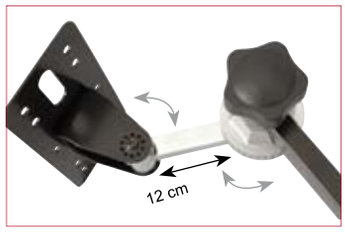


SPB 7

Wall-mount bracket

High resistance wall-mount bracket for speakers.
2 positions with 180° and 360° turns.
Maximum load: 15 kg.

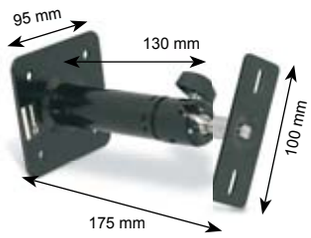




SPB 8

Wall-mount bracket

The most flexible wall-mount bracket of SPB series. 2 positions with 180° and 360° turns.
Maximum load: 15 kg.



GOLF 2.1

Portable sound reinforcement system

Portable sound reinforcement system **GOLF 2.1** includes in a unique transport bag all the material required to install a complete 800 W sound system. One person is enough to transport and install it.
GOLF 2.1 is composed of two satellites (with 6.5" woofer), one subwoofer (with 12" woofer) and all the necessary accessories: power supply cable, speaker cables and foldable stands for speakers. It is all adequate for conferences, presentations in hotels or any small/medium size indoor and outdoor events.

Accessories included.

FEATURES

800 W portable sound reinforcement system composed of :
- 2 satellites (6.5" woofer + Ø25 mm tweeter).
- 1 subwoofer (12" woofer).
- 2 foldable stands for speakers with security locking cable.
- 2 XLN4-XLN4 cables (1 x 2.5 m / 1 x 8 m).
- 2 XLR3-¼" Jack cables (2 x 5 m).
- 1 transport bag.
- Pack dimensions (WxHxD): 480 x 1.030 x 465 mm.
- Pack weight: 50 kg.

TECHNICAL DATA	SATELLITE
Description:	2 way speaker (full range) with crossover.
Elements:	1 x 6.5" woofer + Ø25 mm tweeter.
Power output:	150 W.
Frequency response:	80 Hz – 18 kHz (-3 dB).
Sensitivity:	91 dB (dB/1M/1W).
Impedance:	8 Ω.
Max S.P.L:	110 dB.
Dispersion:	90° x 60°.
Connectors:	1 x XLN4.
Dimensions (WxHxD):	225 x 325 x 211 mm.
Weight:	5.6 kg.

TECHNICAL DATA	SUBWOOFER
Description:	3 way active amplifier.
Elements:	(bass) x 12" woofer.
Power output:	500 W (bass).
Output for satellites:	2 x 150 W.
Impedance:	4 Ω.
Impedance input:	20 kΩ.
Max S.P.L:	120 dB.
Weight:	27 kg.

SET DM 44

Dynamic microphones (3-pack)

NEW

FEATURES

- Dynamic microphones (3-pack).
- Metal grip.
- On/Off switch.
- Plastic transport case included (with internal foam protection).

TECHNICAL DATA	SET DM 44
Element:	Dynamic moving coil.
Polar pattern:	Unidirectional.
Frequency response:	70 Hz - 13 kHz.
Sensitivity:	- 73 dB +/-3 dB (0 dB=1V/Pa at 1 kHz).
Impedance:	600 Ω.
Accessories:	3 microphone holders; transport box.

DM 46

Dynamic microphone

NEW

FEATURES

- Unidirectional dynamic microphone.
- Metal grip.
- On/Off switch.
- Microphone holder, cable and plastic transport case included (with internal foam protection).

TECHNICAL DATA	DM 46
Element:	Dynamic moving coil.
Polar pattern:	Unidirectional.
Frec. de Respuesta:	70 Hz - 13 kHz.
Sensitivity:	- 73 dB +/-3 dB (0 dB=1V/Pa at 1 kHz).
Impedance:	600 Ω.
Accessories:	Microphone holder; 5 m cable (female XLR3 – male XLR3) transport box.

SET DM 50

Dynamic microphone pack

Microphone pack composed of a dynamic microphone (with On/Off switch, metal grill with windscreen). It includes a microphone holder and a 5 m cable (female XLR3 – male XLR3). Foldable stand in metal (black colour).

NEW

DM 56

Dynamic microphone

FEATURES

- Unidirectional dynamic microphone.
- Metal grip.
- On/Off switch.
- Microphone holder, cable and plastic transport case included (with internal foam protection).

TECHNICAL DATA	DM 56
Element:	Dynamic moving coil.
Polar pattern:	Unidirectional.
Frequency response:	60 Hz - 14 kHz.
Sensitivity:	- 73 dB +/-3 dB (0 dB=1V/Pa at 1 kHz).
Impedance:	600 Ω.
Accessories:	Microphone holder, cable and transport box.

DM 66

Dynamic microphone

NEW

FEATURES

- Unidirectional dynamic microphone.
- Metal grip.
- Microphone holder, cable and plastic transport case included (with internal foam protection).

TECHNICAL DATA	DM 66
Element:	Dynamic moving coil.
Polar pattern:	Unidirectional.
Frequency response:	50 Hz - 15 kHz.
Sensitivity:	- 75 dB +/-3 dB (0 dB=1V/Pa at 1 kHz).
Impedance:	250 Ω (1 kHz).
Accessories:	Microphone holder, 5 m cable (female XLR3 – male XLR3) and transport box.

DM 350

Condenser microphone

FEATURES

- Condenser microphone.
- Low noise level pre-amplifier.
- Adaptable high sound pressure level.
- Main supply: DC 9 V – 48 V.
- High dynamic range and low distortion.
- Microphone holder, cable and plastic transport case included (with internal foam protection).

TECHNICAL DATA	DM 350
Type:	Condenser microphone.
Polar pattern:	Supercardioid.
Frequency response:	50-16 kHz.
Sensitivity:	- 43 dB.
Max S.P.L:	137 dB.
Impedance:	1.000 Ω.
Accessories:	Microphone holder, 5 m cable (female XLR3 – male XLR3) and transport box.

DM 300

Condenser microphone

FEATURES

- Condenser microphone.
- Low noise level pre-amplifier.
- Adaptable high sound pressure level.
- Main supply: DC 9 V – 48 V.
- High dynamic range and low distortion.
- Microphone holder, cable and plastic transport case included (with internal foam protection).

TECHNICAL DATA	DM 300
Type:	Condenser microphone.
Polar pattern:	Supercardioid.
Frequency response:	50-16 kHz.
Sensitivity:	- 47 dB.
Max S.P.L:	140 dB.
Impedance:	1.000 Ω.
Accessories:	Microphone holder, 5 m cable (female XLR3 – male XLR3) and transport box.

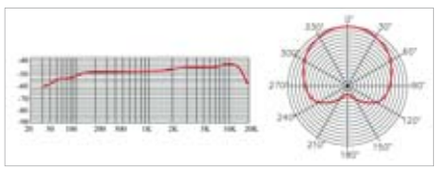
XS 111 PRO

Dynamic microphone

XS-111 PRO and **XS 211 PRO** are professional voice microphones providing bright and clear sound on mediums ranges. Their wide and smooth response offers a very natural sound. They feature metal grip and steel grill to avoid distortion, cartridge with hypercardioid polar pattern and high gain against feedback.

NEW

TECHNICAL DATA	XS 111 PRO
Elements:	Dynamic moving-coil.
Polar pattern:	Unidirectional / Hypercardioid.
Sensitivity:	-52 dB +/- 3 dB (o dB= 1V/Pa at 1 kHz).
Frequency response:	50 Hz~14 kHz.
Output impedance:	600 Ω ± 30% .
Dimensions:	Ø50 x 185 mm.
Weight:	297 g.

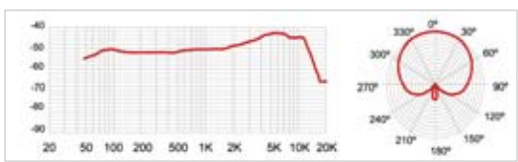


XS 211 PRO

Dynamic microphone

NEW

TECHNICAL DATA	XS 211 PRO
Elements:	Dynamic moving-coil.
Polar pattern:	Unidirectional / Hypercardioid.
Sensitivity:	-52 dB +/- 3 dB (o dB= 1V/Pa at 1 kHz).
Frequency response:	50 Hz~16 kHz.
Output impedance:	370 Ω ±20% .
Dimensions:	Ø50 x 186 mm.
Weight:	360 g.



Gooseneck microphones from the **XP PRO series** have been designed for conference rooms and other vocal applications. Thanks to their XLR connector and for maximum convenience, they are compatible with the optional desktop base **XPB 2** (see below). This unit has a balanced output and low impedance.

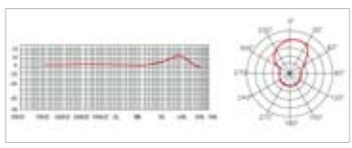
XP 10 PRO features an interference tube (increasing directivity at higher frequencies), a cardioid polar pattern and a wide frequency response for a high sensitivity, being suitable for a wide range of applications.
XP 20 PRO has a linear + gradient polar pattern for a clear voice transmission, with a very low feedback level. Capture angle is constant on high frequencies.

XP 20 PRO

XP 10 PRO

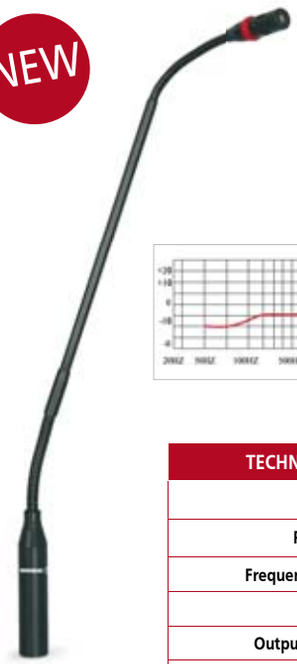
Gooseneck microphones

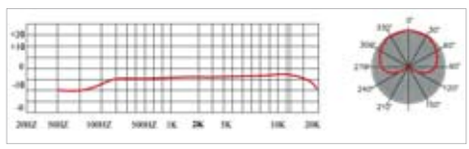
NEW



TECHNICAL DATA	XP 20 PRO
Elements:	Electret condenser.
Polar pattern:	Linear + gradient.
Frequency response:	50 Hz~18 kHz.
Sensitivity:	-40 dB ±3dB/Pa.
Output impedance:	250 Ω ±30% .
Max S.P.L:	125 dB.
S/N Ratio:	72 dB.
Dynamic range:	105 dB.
Main supply:	Phantom DC 9-52 V.
Output connector:	Male XLR3 pin.
Dimensions:	30 (Ø max) x 490 mm.
Weight:	178 g.
Accessories:	Windscreen.

NEW





TECHNICAL DATA	XP 10 PRO
Elements:	Electret condenser.
Polar pattern:	Unidirectional / Cardioid.
Frequency response:	50Hz~16kHz.
Sensitivity:	-54dB ±3dB/Pa.
Output impedance:	200 Ω ±30%.
Max S.P.L:	138 dB.
S/N Ratio:	65 dB.
Dynamic range:	110 dB.
Main supply:	Phantom DC 9-52 V.
Output connector:	Male XLR3 pin.
Dimensions:	30 (Ø max) x 490 mm.
Weight:	178 g.
Accessories:	Windscreen.

XPB 2 is a desktop base for microphones. It isolates microphones from vibrations and mechanical noises.
It features an On/Off switch and a Combi connector allowing the connection of different types of microphones.
It also has a male XLR3 connector for output and connection to mixer.

XPB 2

Desktop base for microphone

TECHNICAL DATA	XPB 2
Elements:	Electret condenser.
Input connector:	Combi XLR3-¼" Jack.
Output connector:	Male XLR3 pin.
ON/OFF switch:	Yes.
Dimensions (WxHxD):	160 x 110 x 40 mm.
Weight:	1.3 kg.

NEW

USM 4

USM 5

Electrets with interference tube

USM 10

Electret condenser

USM 4, **USM 5** and **USM 10** are ultra-fine desktop microphones designed for conference rooms and other vocal presentations.
Thanks to their reduced size, they perfectly integrate themselves with the decoration, as they go unperceived. Their interference tube increases directivity at higher frequencies and sensitivity to emit a clear and pure sound.
USM 10 differentiates itself from the other with its included desktop base featuring a low filter and a 10 dB reducer to adapt output to any audio circumstances.
The three models feature a phantom supply and turns 180° for user commodity.

USM 4

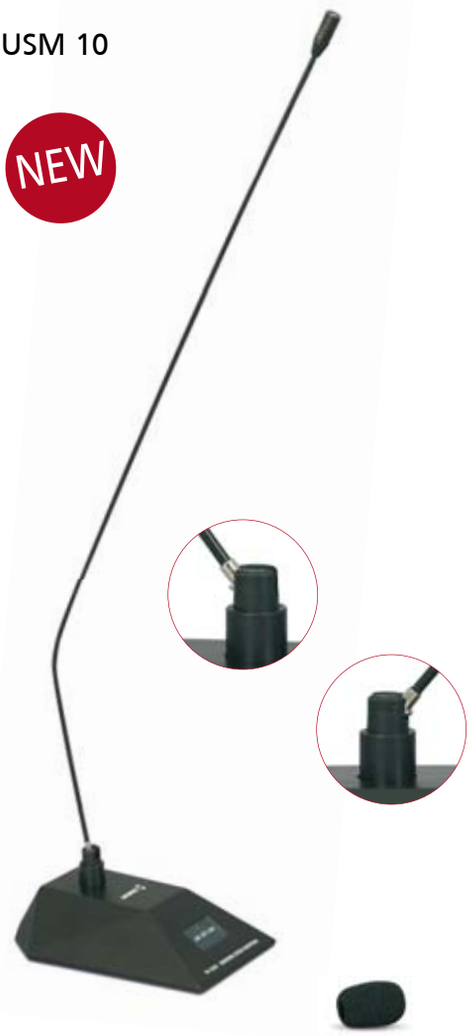
NEW

USM 5

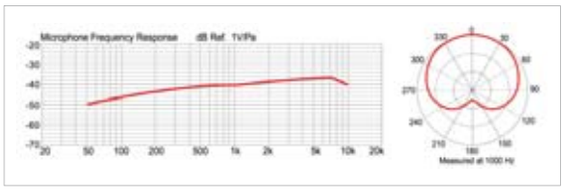
NEW

USM 10

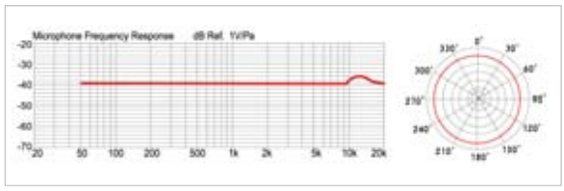
NEW



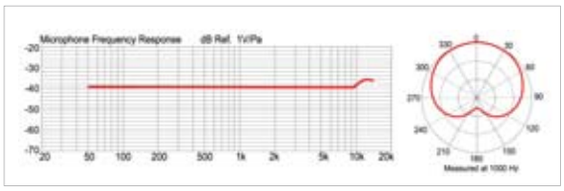
USM 4



USM 5



USM 10



TECHNICAL DATA	USM 4	USM 5	USM 10
Elements:	Electret with interference tube.	Electret with interference tube.	Electret condenser.
Polar pattern:	Cardioid.	Omni-directional.	Cardioid.
Frequency response:	56 Hz– 16 kHz.	50 Hz– 18 kHz.	50 Hz– 16 kHz.
Sensitivity:	-40 dB +/- 3 dB (0 dB=1 V /PA at 1 kHz).	-40 dB +/- 3 dB (0 dB=1 V /PA at 1 kHz).	-45 dB +/- 3 dB (5.6 V /PA at 1 kHz).
Impedance:	250 Ω +/- 30% (at 1 kHz).	250 Ω +/- 30% (at 1 kHz).	250 Ω +/- 30% (a 1 kHz).
Load impedance:	1.250 Ω.	1.250 Ω.	1.250 Ω.
Noise level:	21 dBA.	21 dBA.	21 dBA.
Max S.P.L:	135 dB (THD 0.5% 1 kHz).	135 dB (THD 0.5% 1 kHz).	135 dB (THD 0.5% 1 kHz).
S/N Ratio:	72 dB.	72 dB.	73 dB.
Dynamic range:	113 dB.	113 dB.	113 dB.
Main supply:	Phantom DC 16-52 V.	Phantom DC 16-52 V.	Phantom 19-52 V DC + 2x 1.5 V (base).
Power consumption:	10 mA.	10 mA.	3.5 mA.
Output connector:	XLR3 pin.	XLR3 pin.	Mini XLR3 pin.
Dimensions:	Ø30 x 500 mm.	Ø30 x 500 mm.	490 x 140 x 100 mm.
Weight:	120 g.	120 g.	440 g.
Accessories:	Windscreen.	Windscreen.	Windscreen and Mini XLR3-XLR3 cable.

NEW

UBM 2

Desktop base for microphone

UBM 2 is an optional desktop base for **USM 4** and **USM 5** microphones. Very convenient, it isolates microphones from vibrations and mechanical noises.

ESPECIFICACIONES	UBM 2
Elements:	Desktop base for microphones.
Input connection:	XLR3.
Output connection:	Male XLR3 pin.
Dimensions (WxHxD):	130 x 105 x 40 mm.
Weight:	500 g.

DM 1000

Headset microphone

Electret headset microphone with unidirectional / cardioid polar pattern.

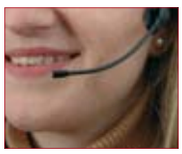
FEATURES

- Output connector: ¼" Jack.
- Main supply: 1.5 V battery.
- Impedance: 600 Ω.
- Frequency response: 100 Hz - 16 kHz.
- Sensitivity: -67 dB.
- Accessories: Windscreen and clamp.

XS 1000 PRO

Headset microphone

NEW



Electret headset microphone with omnidirectional polar pattern.

FEATURES

- Output connector: 2.5 mm Mini Jack.
- Adapter 2.5 mm Mini Jack / Mini XLR.
- Sensitivity: -45 dB.
- Impedance: 1 kΩ.
- Frequency response: 20 Hz - 20 kHz.
- Main supply: DC 9-52 V.
- Accessories: Windscreen.

XS 1010 PRO

Headset microphone

NEW

Electret headset microphone with unidirectional polar pattern.

FEATURES

- Output connector: 2.5 mm Mini Jack.
- Adapter 2.5 mm Mini Jack / Mini XLR.
- Sensitivity: -45 dB.
- Impedance: 1 kΩ.
- Frequency response: 20 Hz - 20 kHz.
- Main supply: DC 9-52 V.
- Accessories: Windscreen.

XS AD series

Mini adapters.

NEW

Series of 2.5 mm Mini Jack adapters designed to adapt microphones to any communication system.

XS AD 1

2.5 mm Mini Jack / Mini XLR3 pin.

XS AD 2

2.5 mm Mini Jack / 3.5 mm Mini Jack.

XS AD 3

2.5 mm Mini Jack / Mini XLR4 pin.

XS 1550 PRO

Headset microphone

Thanks to its robust fixation system and its ergonomic design, **XS 1550 PRO** is particularly adequate for sport monitors or singers that need to realize choreographies.

There is no cable hindering their fixation and microphone arm can be oriented in any direction, being convenient and comfortable even for those wearing glasses.

XS 1550 PRO is totally foldable and can be disassembled to avoid that heavy loads damage it during transport. It includes a transport bag for further security and a Mini-XLR adapter for the different kind of connection.

TECHNICAL DATA	XS 1550 PRO
Connector:	2.5 mm Mini Jack.
Polar pattern:	Electret unidirectional.
Main supply:	DC 1.5-12 V.
Frequency response:	20 Hz -20 kHz.
Max S.P.L:	140 dB.
Sensitivity:	-45 dB.
Impedance:	2K Ω.
Accessories:	Windscreen, transport bag and Mini XLR adapter.

Transport bag.

Foldable system.

XS 1500 PRO

Headset microphone

XS 1500 PRO is a soft version of the previous model: it has the same features but cannot be folded or disassembled. Like **XS 1550 PRO**, it is particularly adequate for sport monitors or singers that need to realize choreographies. It has a 2.5 mm Mini Jack connector and a Mini XLR adapter for the different kind of connection.

TECHNICAL DATA	XS 1500 PRO
Connector:	2.5 mm Mini Jack.
Polar pattern:	Electret unidirectional.
Main supply:	DC 1.5-12 V.
Frequency response:	40 Hz -18 kHz.
Max S.P.L:	130 dB.
Sensitivity:	-42 dB.
Impedance:	1 KΩ.
Accessories:	Windscreen and Mini XLR adapter.

XS 1400 PRO

Headset microphone

This headset microphone has an omnidirectional response and can be used with any emitter/receiver system. Its unique fixation point makes **XS 1400 PRO** easy to use.
Its frequency response and inner circuitry provide the correct electro-acoustic increase.
XS 1400 PRO has a low noise level and a high EMI suppression.

TECHNICAL DATA	XS 1400 PRO
Elements:	Electret condenser.
Polar pattern:	Omni-directional.
Frequency response:	20 Hz~20 kHz.
Sensitivity:	-45 dB±3 dB(0 dB=1 V/Pa@1 kHz).
Output impedance:	1 kΩ ±30%.
Max S.P.L:	130 dB.
Main supply:	DC 1.5-10 V.
Cable:	Ø 1.5 mm. x 1.2 m.
Weight:	15 g.
Dimensions (micro):	Ø 3 mm.
Output connector:	Mini XLR3 pin.
Accessories:	Windscreen.

XS 2000 PRO

Lavalier microphone

Ultra-fine electret lavalier microphone.

Mini-XLR adapter included.

TECHNICAL DATA	XS 2000 PRO
Polar pattern:	Electret omnidirectional.
Main supply:	DC 1.5-12 V.
Frequency response:	40 Hz - 18 kHz.
Max S.P.L:	120 dB.
Sensitivity:	-50 dB.
Impedance:	1 KΩ.
Accessories:	Windscreen. Mini XLR adapter.

WRD 80

UHF diversity wireless system

WRD 80

WRD 80 is a mono channel UHF diversity wireless system. Thanks to the Diversity system, it eliminates possible interferences to ensure signal reception quality. The system is composed of **WRD 80** (receiver) and **HM 100** (handheld microphone) or **WE 6** (bodypack transmitter + lavalier microphone). It also provides useful applications for users like Squelch control or LED indicators for audio and Diversity A/B.

WE-6

FEATURES

- Mono-channel UHF diversity wireless system.
- Compression / expansion signal technology to reduce noise level and increase dynamic range.
- Audio and Diversity A/B LED indicators.
- Balanced outputs (XLR3) and unbalanced outputs (¼" Jack).
- Available with handheld microphone (**HM 100**) or with bodypack transmitter and lavalier microphone (**WE 6**).

HM 100

WRD 80/1

WRD 80 + HM 100

WRD 80/2

WRD 80 + WE-6

TECHNICAL DATA	WRD 80
Frequency band:	UHF.
Sensitivity:	- 4 µ V for 12 dB SINAD.
Image rejection:	>75 dB.
S/N Ratio:	>90 dB.
T.H.D.	<1% for +/-30% deviation tone 1 kHz.
Audio output level:	300 mV.
Audio frequency resp.:	50 Hz-15 kHz.
Spurious rejection:	>85 dB.
Dimensions (H x D x W):	21 x 40 x 160 mm.
Weight:	1.7 kg.
Main supply:	21 x 40 x 160 (power supply unit included).

TECHNICAL DATA	WE 6 / HM 100
RF power output:	30 mW.
Elements:	Dynamic (**HM 100**). Electret (**WE 6**).
Polar pattern (HM 100):	Cardioid.
Frequency stability:	22 PPM.
WE 6 connector:	Mini XLR3
Main supply:	2 x 1.5 V (**HM100/WE6**).
Dimensions: **HM 100:** **WE 6:**	 240 x Ø 35 mm. 95 x 65 x 22 mm.
Weight: **HM 100:** **WE 6:**	 200 g. 80 g.

WRD 250

UHF diversity wireless system

WRD 250

WM 250

WE 10

IM 1

WRD 250 is a mono channel UHF diversity wireless system.
Like **WRD 80**, its Diversity system eliminates possible interferences to ensure signal reception quality. This action can be adjusted thanks to the Squelch control. It includes LED indicators for Audio and Diversity A/B, as well as balanced outputs (XLR3) and unbalanced outputs (¼" Jack).
WRD 250 is available with different emission sources: using handheld microphone (**WM 250**), with bodypack transmitter and lavalier microphone (**WE 10** + **DM 602**) or with guitar emitter, (**IM 1**). The latter is directly connected to the instrument's Jack output.

IM 1 is a wireless emitter for guitars, bass, etc.

WRD 250/1

Pack including **WRD 250** + **WM 250**.

WRD 250/4

Pack including **WRD 250** + **WE 10** + **DM 602**.

WRD 250/5

Pack including **WRD 250** + **IM 1**.

TECHNICAL DATA	WRD 250
Frequency band:	UHF.
Sensitivity:	-92 dBm for 30 dB SINAD.
Image rejection:	>80 dB.
S/N Ratio:	>90 dB.
T.H.D:	<1% for +/-30% deviation tone 1 kHz.
Audio output level:	XLR connector: -12 dBV. ¼" Jack connector: -18 dBV.
Audio frequency resp.:	60 Hz-16 kHz.
Dynamic range:	>90 dB.
Main supply:	DC 12-18 V 300 mA (power supply unit included).
Dimensions (WxHxD):	212 x 44 x 160 mm.
Weight:	860 g.

TECHNICAL DATA	WM 250	WE 10	IM 1
Frequency band:	UHF.	UHF.	UHF.
Frequency stability:	50 ppm (-10° - 50°C).	50 ppm (-10° - 50°C).	50 ppm (-10° - 50°C).
RF power:	10 dBm.	10 dBm.	10 dBm.
Spurious rejection:	>55 dBc.	>55 dBc.	>55 dBc.
Modulation	30 kHz with input level = 25 mV.	30 kHz with input level = 25 mV.	30 kHz with input level = 25 mV.
Gain adjustment:	—	20 dB.	20 dB.
Max. input level:	0 dBV.	6 dBV.	0 dBV.
Main supply:	2 x AA battery.	2 x AA battery.	1 x AA battery.
Battery life:	> 8 hours.	> 8 hours.	> 6 hours.
Dimensions:	230 x 50 mm.	85 x 65 x 23 mm.	76 x 20 x 28 mm.
Weight:	230 g (without battery).	85 g (without battery).	30 g (without battery).

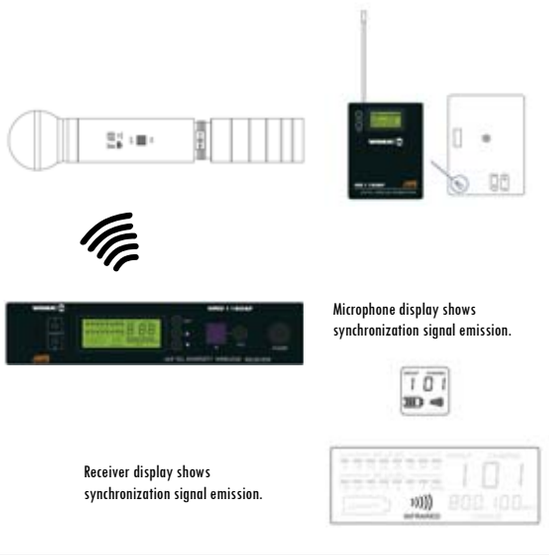
AFS system is included in some of the wireless audio systems of this catalogue. It allows the synchronization of emitters (handheld microphones, bodypack transmitters and lavalier microphones) with a receiver via infrared signal.

The main advantage of this quick and easy system is that, in case of interference problems, users only have to orientate microphones towards the receiver and push the AFS signalization touch: they will be automatically detected by the receiver. Because it uses infrared signal, it avoids any interferences with RF signal. In addition, emitters do not require any configuration, being another advantage for live actuations.

SYNCHRONIZATION EXAMPLE WITH **WRD 4160 AF** AF SYSTEM.

LED display shows information about emitter state.

EXAMPLE OF SYNCHRONIZATION WITH **WRD 1160 AF** AF SYSTEM.



Microphone display shows synchronization signal emission.

Receiver display shows synchronization signal emission.

AFS SYNC SYSTEM

WRD 1160 AF

UHF diversity wireless system

WRD 1160 AF

WM 1160 AF

WE 1160 AF

AFS synchronization system.

WRD 1160 AF is a mono channel UHF diversity wireless system that allows using up to 160 frequencies divided in 10 different preconfigured groups. Group and frequency selection is realized with AFS infrared synchronization system.

Receiver display allows the visualization of all the information, including ID channel, ID group and frequency (in MHz). In addition, an internal vumeter informs user about AF and RF signals.

Two packs are available, depending on user needs:
- Handheld microphone (**WM 1160 AF**) with start interrupter and display for ID channel, ID group, frequency and battery current state.
- Bodypack transmitter and lavalier microphone (**WE 1160 AF** + **DM 603**). The emitter has a display that show frequency (in MHz) and battery current state. It also features a gain control selector (Mic, instrument or Mute).

WRD 1160 AF/1

Pack including **WRD 1160 AF** + **WM 1160 AF**.

WRD 1160 AF/2

Pack including **WRD 1160 AF** + **WE 1160 AF** + **DM 603**.

TECHNICAL DATA	WRD 1160 AF
Frequency band:	UHF.
Reception system:	Diversity.
Sensitivity:	-93 dBm for 30 dB SINAD.
Image rejection:	>60 dB.
S/N Ratio:	>90 dB.
T.H.D.	< 1% for +/- 30 kHz deviation tone 1 kHz.
Audio output level:	XLR connector: -12 dBV / ¼" Jack connector: -18 dBV.
Audio frequency resp.:	60 Hz-16 kHz.
Dynamic range:	>90 dB.
Main supply:	DC 12-18 V, 300 mA (power supply unit included).
Dimensions (WxHxD):	212 x 45 x 160 mm.
Weight:	920 g.

TECHNICAL DATA	WM 1160 AF
Frequency band:	UHF.
Frequency stability:	50 ppm (-10° - 50°C).
RF power:	10 dBm.
Spurious rejection:	>55 dBc.
Modulation:	30 kHz with input level = 25 mV.
Max. input level:	0 dBV.
Main supply:	2 x AA battery.
Battery lifetime:	> 6 hours.
Dimensions:	252 x 50 mm.
Weight:	220 g (without battery).

TECHNICAL DATA	WE 1160 AF
Frequency band:	UHF.
Frequency stability:	50 ppm (-10° - 50°C).
RF power:	10 dBm.
Spurious rejection:	>55 dBc.
Modulation:	30 kHz with input level = 25 mV.
Gain adjustment:	20 dB.
Max. input level:	6 dBV.
Main supply:	2 x AA battery.
Battery life:	> 6 hours.
Dimensions (WxHxD):	85 x 65 x 24 mm.
Weight:	88 g (without battery).

WR 404

UHF wireless system

WR 404

WE 6

DM 601

This 4 modular channel wireless UHF system is very convenient, as their modular channels are interchangeable.

All the channels include a RF/AF LED indicator and Peak, as well as an output channel and another one (unbalanced) to mix all the channels. SQ adjustment and individual volume.

WR 404 is available with 4 handheld microphones (**HM 100**) with colour identification, or with 4 bodypack transmitters and lavalier microphones (**WE 6** + **DM 601**).

HM 100

Channel module interchangeable.

WR 404 / 1

Pack including **WR 404** + **4 HM 100** units.

WR 404 / 2

Pack including **WR 404** + 4 **WE 6** units + **DM 601**.

TECHNICAL DATA	WR 404
Frequency band:	UHF.
Sensitivity:	-1.8 µ V for 12 dB SINAD.
Image rejection:	>75 dB.
S/N Ratio:	>90 dB.
T.H.D:	< 0.5% for +/- 30 kHz deviation tone 1 kHz.
Audio output level:	300mV.
Audio frequency resp.:	50 Hz-15 kHz.
Spurious rejection:	>80 dB.
Main supply:	DC 13-18 V 500 mA (power supply unit included).
Dimensions (WxHxD):	483 x 45 x 170 mm.
Weight:	3.6 kg.

TECHNICAL DATA	WE 6 / HM 100
RF power output:	30 mW.
Elements:	Dynamic (HM 100), Electret (DM 601).
Polar pattern:	Cardioid.
Frequency stability:	22 PPM.
WE 6 connector:	Mini XLR3.
Main supply:	2 x 1.5 V. (HM 100 / WE 6).
Dimensions: **HM 100:** **WE 6:**	240 x Ø 35 mm. 95 x 65 x 22 mm.

AFS SYNC SYSTEM

WRD 4160 AF

UHF diversity wireless system

WRD 4160 AF

WE 1160 AF

WM 4160 AF

WRD 4160 AF is a four channel UHF diversity wireless system that allows using up to 160 frequencies divided in 10 different preconfigured groups. Group and frequency selection is realized with AFS infrared synchronization system.

Receiver display allows the visualization of all the information, including ID channel, ID group and frequency (in MHz). In addition, an internal vumeter informs user about AF and RF signals.

Two packs are available, depending on user needs:
- 4 handheld microphones (**WM 4160 AF**) with start interrupter and display for ID channel, ID group, frequency and battery current state.
- 4 bodypack transmitters and 4 lavalier microphones (**WE 1160 AF** + **DM 603**). The emitter has a display that show frequency (in MHz) and battery current state. It also features a gain control selector (Mic, instrument or Mute).

WRD 4160 AF/1

Pack including **WRD 4160 AF** + 4 **WM 4160 AF** units.

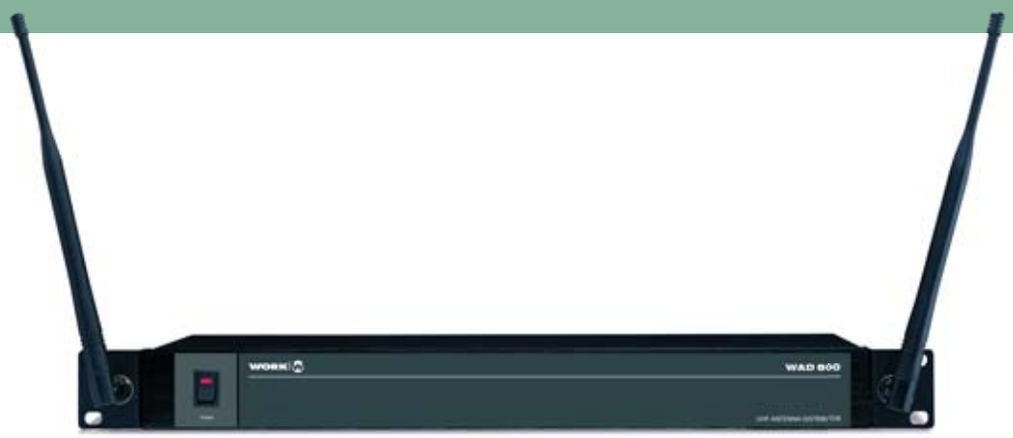
WRD 4160 AF/4

Pack including **WRD 4160 AF** + 4 **WM 1160 AF** units + **4 DM 603** units.

Each module has its own LCD display with all the necessary controls to change frequency and the AFS system infrared port for its synchronization with emitter.

TECHNICAL DATA	WRD 4160 AF
Frequency band:	UHF.
Reception system:	Diversity.
Sensitivity:	-93 dBm for 30 dB SINAD.
Image rejection:	>60 dB.
S/N Ratio:	>90 dB.
T.H.D.	< 1% for +/- 30 kHz deviation tone 1 kHz.
Audio output level:	XLR connector: -12 dBV / ¼" Jack connector: -18 dBV.
Audio frequency resp.:	60 Hz-16 kHz.
Dynamic range:	> 90 dB .
Main supply:	DC 12-18 V, 300 mA (power supply unit included).
Dimensions (WxHxD):	483 x 45 x 280 mm.
Weight:	3.6 kg.

TECHNICAL DATA	WM 4160 AF
Frequency band:	UHF.
Frequency stability:	50 ppm (-10° - 50°C).
RF power:	10 dBm.
Spurious rejection:	>55 dBc.
Modulation:	30 kHz with input level = 25 mV.
Max. input level:	0 dBV.
Main supply:	2 x AA battery.
Battery life:	> 6 hours.
Dimensions (WxHxD):	252 x 50 mm.
Weight:	220 g (without battery).

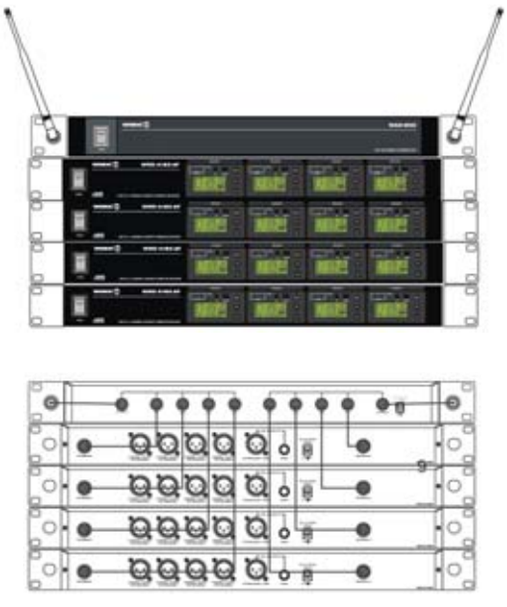


WAD 800

Antenna distributor/amplifier

TECHNICAL DATA	WAD 800
Input impedance:	50 Ω.
Output impedance:	50 Ω.
Connectors:	BNC.
Gain:	3 dB.
Bandwidth:	100 MHz.
Main supply:	DC 12-18 V 100 mA (power supply unit included).
Dimensions (WxHxD):	483 x 45 x 160 mm.
Weight:	4 kg.

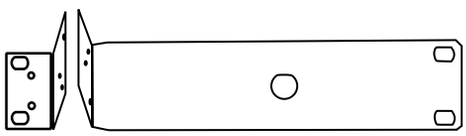
This is an antenna distributor/amplifier for **WORK®** wireless systems.
Any wireless units of a same installation connect their antenna inputs to this amplifier for a better reception. 8 circuits can be edited to supply 8 systems (up to 4 diversity systems).



Example of installation with one **WAD 800** and four **WRD 4160 AF** receiver for the antenna signal distribution.

RAW 50

Wings suitable for unrackable units.

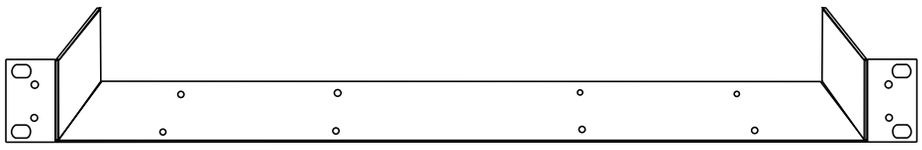


BNC CONNECT SPLITTER

Connection cable between splitter and wireless systems.

RAW 100

19" mounting panel tray suitable for unrackable units.



HomeAMP

Wall-mount controller + amplifier

New Home·AMP

Audio controller and 2 x 12W amplifier.

NEW

New **HomeAMP** includes in a very small device a volume controller and a 2 x 12W amplifier: it only sizes an electrical box (included).

Listen to the music you like.

One of the main advantages of **HomeAMP** is that it includes two audio inputs: one on the front and another on the rear of the device.
Whereas the input on the rear of the device allows the diffusion of background music, the other input (on the front) is a great solution to connect your own music source (audio player, etc.). This is a real advantage for hotels, where clients can listen to their own music and feel more comfortable, like at home.

An intuitive and elegant design.

HomeAMP is a very elegant device, made to be integrated in installations where design is important. With its modern lines and its colours, this is an element of the decoration.
The central encoder allows a full control of **HomeAMP**. Pushing it, that switches on or switches off the device; turning it, that adjusts the volume (intensity of the orange backlight LED increases depending on volume position).
With **HomeAMP**, anyone can control the audio, without any problem.

LATERAL VIEW

VERY REDUCED SIZE
It integrates a 2 x 12 W amplifier in an electrical box (included), making easier its installation.

TECHNICAL DATA	HomeAMP
Power:	2 x 12 W.
Minimum load:	4 Ω.
Input:	Terminal blocks (rear). 3.5 mm Mini-Jack (front).
Output:	Terminal blocks.
Main supply:	DC 24 V.
Dimensions (WxHxD):	86 x 86 x 55 mm.
Weight:	1 kg.

LED INDICATOR.

The LED intensity changes to indicate the audio level.

VERY REDUCED SIZE.

It integrates a 2 x 12W amplifier in an electrical box (included), making easier its installation.

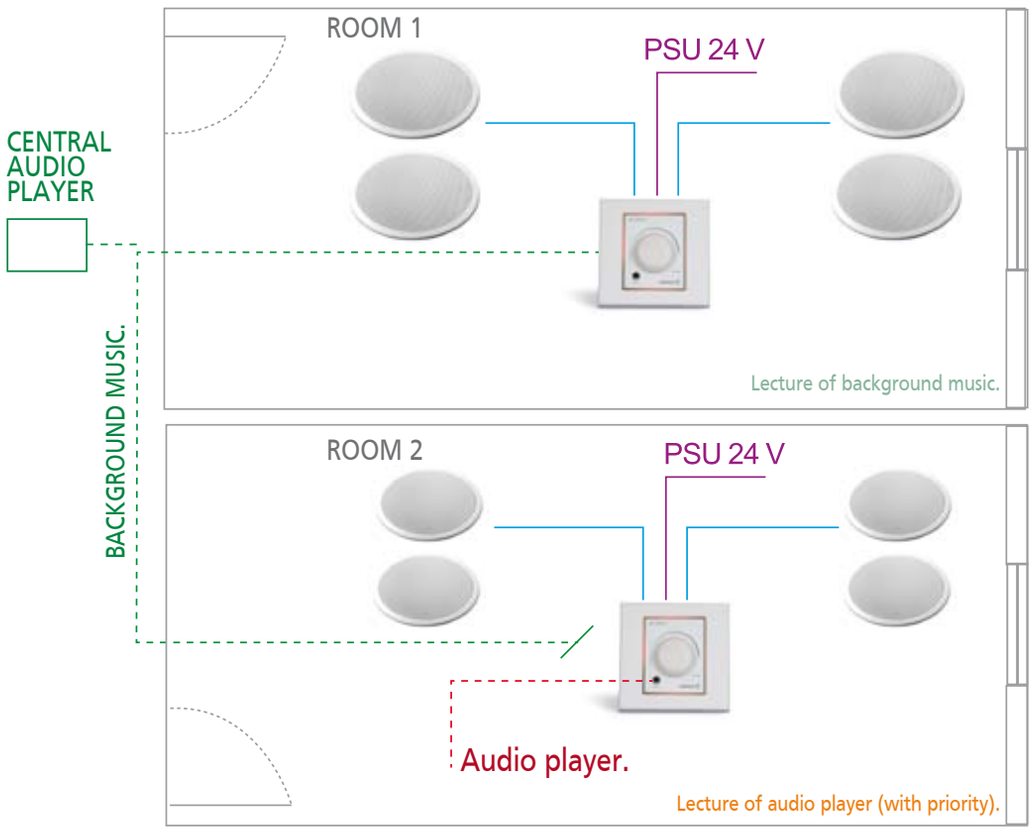
2 INDEPENDIENT AUDIO INPUTS.

Listen to the background music connected to the rear panel or if you prefer, connect any audio player and listen to your favorite music.

EASY USE.

Just turn and switch the encoder to control the device.

Connection diagram.



SLA series

Wall-mount controller + amplifier

NEW

The **SLA series** has been designed for fixed installations that require high quality audio.

The three models available feature a class D amplifier, avoiding the classic problems of 100 V Line installations. They differentiate themselves with their output power: 2 x 25 W for **SLA 50**, 2 x 50 W for **SLA 100** and 2 x 100 W for **SLA 200**. Their small size is an another advantage, as they can be screwed on walls or DIN rails.

Controlled by DMX or VCO (0-10 V), they feature DIP switches to control DMX start address. Another DIP switch is specially dedicated to control mode selection. They are perfectly suitable for installation loudspeakers (e.g. **NEO series**, **STUDIO series**) and common ceiling speakers.

SLA 50

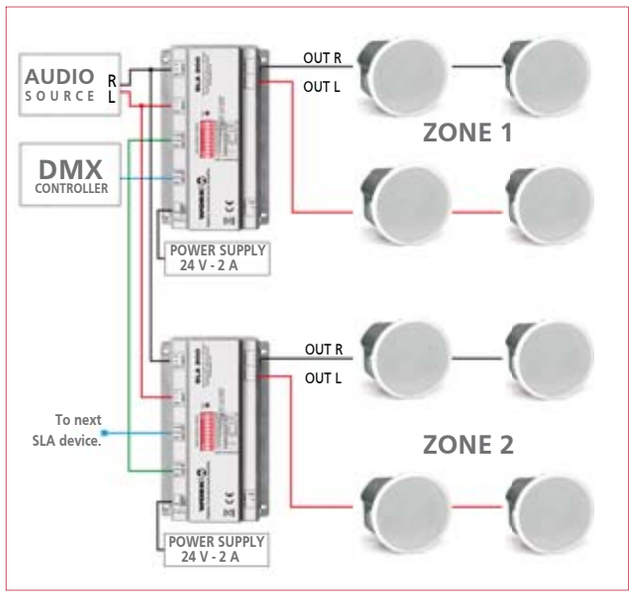
SLA 100

SLA 200

SLA series is suitable for DIN rails.

FEATURES

- Wall-mount controllers + amplifiers.
- Designed for high quality audio installations.
- Class D amplifier.
- Control through DMX or VCO (0-10 V).
- DMX RS485 control signal input/output.
- Start channel selection using DIP switches.
- Channel 1 for gain control.
- Channel 2 for Standby operation mode (low consumption).
- Protections against overheat, short circuits, low voltage and overvoltage.
- Balanced inputs (Line).
- LED indicator for amplifier activity.
- DIN rail-mounted box, also suitable for wall-mounted installations.



Installation using several SLA devices for different zones. From a unique audio source and a DMX controller, it is possible to configure the individual volume and on/off on each zone.

TECHNICAL DATA	SLA 50	SLA 100	SLA 200
Power output:	2 x 25 W.	2 x 50 W.	2 x 10 W.
Sensitivity:	1.6 V.	1.6 V.	1.6 V.
S/N ratio:	100 dB.	100 dB.	95 dB.
THD (10W):	0.08%.	0.08%.	0.05%.
Min. load impedance:	4 Ω.	4 Ω.	4 Ω.
Dimensions (WxHxD):	66 x 84 x 30 mm.	135 x 84 x 30 mm.	135 x 84 x 30 mm.
Weight:	270 g.	650 g.	650 g.

AM 105

Stereo amplifier and tuner

NEW

REAR PANEL

4 balanced Line inputs (VCR, Aux / CD / DVD) and 2 x 100 W outputs.

REMOTE CONTROLLER

AM 105 is a stereo amplifier/tuner for professional and domestic uses.
It features 2 channels of 100 W, tuner and auxiliary input sources (for CD players, etc.), being appropriate for fixed installations. It offers excellent sound quality and great functionality.
Up to 64 radio stations (32 AM and 32 FM) can be stored, using the large display to visualize frequency, band and memory.
AM 105 also provides additional features like low and high tone controls, shutdown timer (between 10 and 90 minutes) or Rec output.

Up to 64 radio stations can be stored (32 FM and 32 AM) and divided in 4 groups.

FEATURES

- Stereo amplifier with AM/FM tuner.
- Power output: 2 x 100W @ 4 Ω.
- Up to 64 radio stations can be stored (32 FM and 32 AM) and divided in 4 groups.
- Manual and automatic scanner for station search.
- Low and High tone controls.
- Balance function.
- Large display for frequency, band and memory memorization.
- Adjustable display brightness.
- 4 balanced Line inputs (VCR, Aux / CD / DVD).
- Rec output.
- Pre out/Amp in connection for external equalization.
- Mute, Standby and Sleep functions.
- Remote control (suitable for any function available).

TECHNICAL DATA	AMPLIFIER	TECHNICAL DATA	FM TUNER
Output power:	2 x 100 W @ 4 Ω.	**Stored stations:**	Up to 32 radio stations.
S/N ratio:	85 dB.	**Frequency response:**	40 Hz to 15 kHz +/- 3 dB.
Frequency response:	20 Hz – 20 kHz +/- 1.5 dB.	**S/N Ratio:**	60 dB (Stereo) 65 dB (Mono).
TECHNICAL DATA	**AM TUNER**	**TECHNICAL DATA**	**GENERAL**
Stored stations:	Up to 32 radio stations.	**Main supply:**	AC 230 V 50 Hz
Frequency response:	80 Hz to 2.3 kHz +/- 6 dB.	**Dimensions** (WxHxD)**:**	435 x 144 x 363 mm.
Sensitivity:	55 dBu @ S/N 20 dB.	**Weight:**	10 kg.
S/N Ratio:	38 dB.	—	—

NEW

PA 5506

Multizone power amplifier

REAR PANEL

PA 5506 is a power amplifier featuring 5 independent outputs (50W each), designed to be integrated in installations with low impedance (8 Ohm) or constant voltage lines (70/100V).
Each output has an input source selector, from mic (one of them with priority) to high level inputs and auxiliary, for a total of 8 input sources. Input channels include individual gain and bass/treble tone controls. Priority Mic input can be selected at each output.

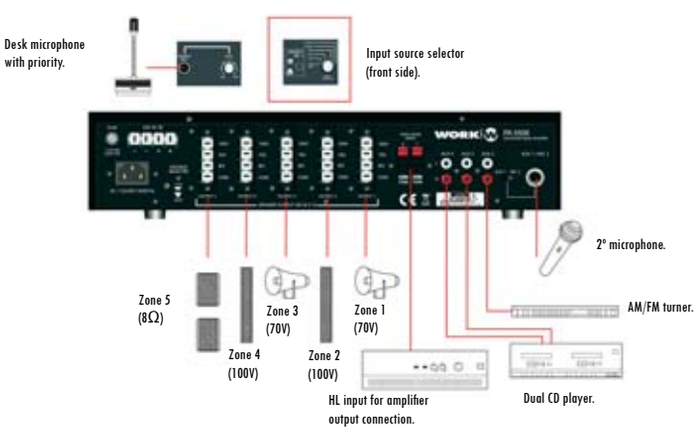
PA 5506 is a very flexible device: user can select input sources and use them for the 5 available outputs. Thus, thanks to the individual input selector, the overall installation is controlled with this unique device. This is a great solution for installations like meeting rooms, hotels, commercial centres, etc. Its additional input (DC 24 V supply) is another advantage for installations with emergency supply system.

FEATURES

- Multi-channel power amplifier.
- 5 independent outputs (50 W each).
- Output: 70 V /100 V /8 Ω.
- 8 input sources (2 Mic + 4 Aux + 2 HL).
- 1 Mic input with priority.
- Individual gain and bass/treble tone controls for each channel.
- Independent input source selector.
- Protection from short circuits and temperature.

Individual gain and bass/treble tone controls for each channel + independent input source selector.

Connection diagram.



TECHNICAL DATA	PA 5506
Output:	70V / 100V / 8 Ω.
Power output:	5 x 50 W RMS.
Frequency response:	50 Hz - 15 kHz.
S/N Ratio:	< 70 dB.
Factor damping:	> 200.
Main supply:	AC 115/230 V 50/60 Hz DC 24 V.
Dimensions (WxHxD):	425 x 88 x 345 mm.
Weight:	15 kg.

PA 4100

Multizone power amplifier

REAR PANEL

Power and versatility are the words that best define **PA 4100** power amplifier.

With 4 independent outputs of 250 W RMS supporting low and high impedance loads, **PA 4100** provides enough power for almost any installations. Each output has its own tone controls and independent volume.

PA 4100 features 4 control inputs with volume control. They can be independently configured as Mic or Line inputs with +48 V phantom power, phase inversion and High-pass filter. First Mic input has a selectable priority circuit. In addition, 2 Aux inputs, chime, siren and tel. paging are put together in the mix.

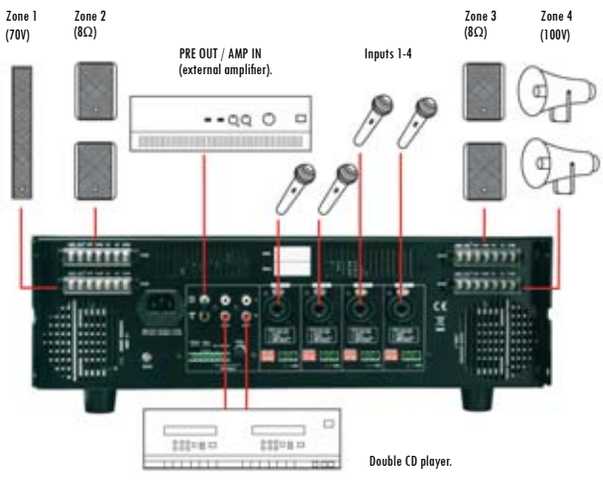
Inputs with Combi and Terminals connectors configurable with a micro switch with the following parameters:
- Micro/Line.
- Phantom + 48 V.
- Phase changing.
- High pass filter.

Configuration of each input level, as well as alarm, auxiliary and chime.

FEATURES

- 4 independent outputs.
- Mixer with 4 configurable inputs (Mic/Line with +48 V phantom power, phase inversion and High-pass filter), 2 Aux inputs (Line), chime, siren and tel. paging.
- Possibility to bridge 2 output channels between them.
- 3U rack enclosure.

TECHNICAL DATA	PA 4100
Input connectors:	1-4: XLR-Jack Combi. 1-2 (Aux): RCA. Tel: terminals.
Power output:	4 x 250 W RMS (@ 4 Ω).
Output voltage/impedance:	100V, 70V - 4/8 Ω.
Input sensitivity:	Mic: -55 dB / Line: -16 dB (bal.).
Distortion:	0.1%.
Frequency response:	Mic: 60 Hz-12 kHz. Line: 30 Hz-18 kHz.
S/N Ratio :	Mic: 80 dB / Line: 90 dB.
Main supply:	AC 115/230 V 50/60 Hz.
Dimensions (WxHxD):	483 x 133 x 350 mm.
Weight:	15 kg.



PA 5000

Installed sound power amplifier

PA 5000 is a high power amplifier (480 W) designed for installed sound applications where power and sound quality are required.
It features a 3 band equalizer (High, Mid, Low), a balanced input and Jack stereo input, low impedance output (4-8Ω) and 70-100V lines. It is possible to connect different terminals through the Link output.

Thanks to its signal auto-compression function, **PA 5000** is protected from speaker short circuits. Output signal automatically drops down when temperature starts becoming too high: in case of overheat, it stops working and a LED indicator switches on. In addition, an overvoltage protection eliminates current fluctuations and starting current peaks.

REAR PANEL

FEATURES

- High power amplifier (480 W) for installed sound applications.
- 3 band equalizer.
- Balanced input.
- LED indicators for signal, current peak, overheat and protection.
- 2U rack enclosure.

TECHNICAL DATA	PA 5000
Input connectors:	Balanced XLR3. ¼" Jack.
Input impedance:	20 KΩ.
Power output:	480 W RMS.
Output voltage/impedance:	0-4 Ω. 0-8 Ω. 0-70 V. (10.2 Ω). 0-100V. (20.8Ω).
Input sensitivity:	0 dB.
Distortion:	<0.5%.
Frequency response:	50 Hz - 22 kHz (-3 dB).
S/N Ratio:	>90 dB (@1 kHz).
Main supply:	AC 230 V 50 Hz.
Dimensions (WxHxD):	483 x 88 x 400 mm.
Weight:	20 kg.

Volume control.

LED indicators.

Integrated equalizer.

Output terminals for 70-100 V and 4-8 Ω impedance.

PA 240

PA 190

PA 240
PA 190

Multizone amplifiers

PA 240 and **PA 190** high power amplifiers feature many input sources and can supply up to four different zones.
Six inputs are available:
- 4 balanced inputs with source selector (Mic/Line/Phantom),
- 1 high impedance unbalanced input with a 4 position Line selector,
- 1 input for tel paging.

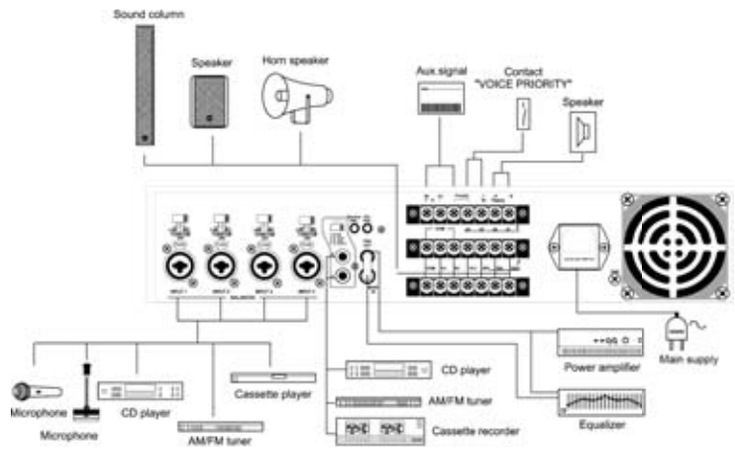
All these inputs have their own volume and tone controls.

They are perfectly adapted to emergency systems as they include a siren and voice/monitor priority contacts. They also support low impedance (4/8/16 Ω) and constant voltage (25/70/100 V).

FEATURES

- 6 inputs mixer/power amplifier with 4 zones selectable.
- Low/High tone controls.
- Siren switch.
- Protection from short circuits on output terminals.
- LED vumeters.

Installation example with PA 240



TECHNICAL DATA	PA 240	PA 190
Power output:	240 W.	190 W.
Output system:	4/8/16 Ω 25/70/100 V Line.	4/8/16 Ω 25/70/100 V Line.
Input:	4 bal. Mic/Line (Combi connector) + 1 Aux IN + Tel paging.	4 bal. Mic/Line (Combi connector) + 1 Aux IN + Tel paging.
Output:	Preamp output (Mono RCA) + 1 Monitor (Terminals).	Preamp output (Mono RCA) + 1 Monitor (Terminals).
Main supply:	AC 115-230 V.	AC 115-230 V.
Dimensions (WxHxD):	435 x 100 x 335 mm.	435 x 100 x 335 mm.
Weight:	13 kg.	11.6 kg.

PA 60/2
PA 120/2

Amplifiers/mixers

PA 60/2

PA 120/2

PA 60/2 and **PA 120/2** respectively feature 60 W and 120 W amplifiers and 6 signal inputs (Mic/Aux). Each input has its own gain control, Master volume and High/Low tone controls.

PA 60/2 allows working with low impendance speakers (8 Ω) and 25/70/100 V Line voltage. **PA 120/2** for its own features 2 different outputs: Music and voice /Voice (only). Both models support AC 115-230 V supply and DC 24 V emergency supply.

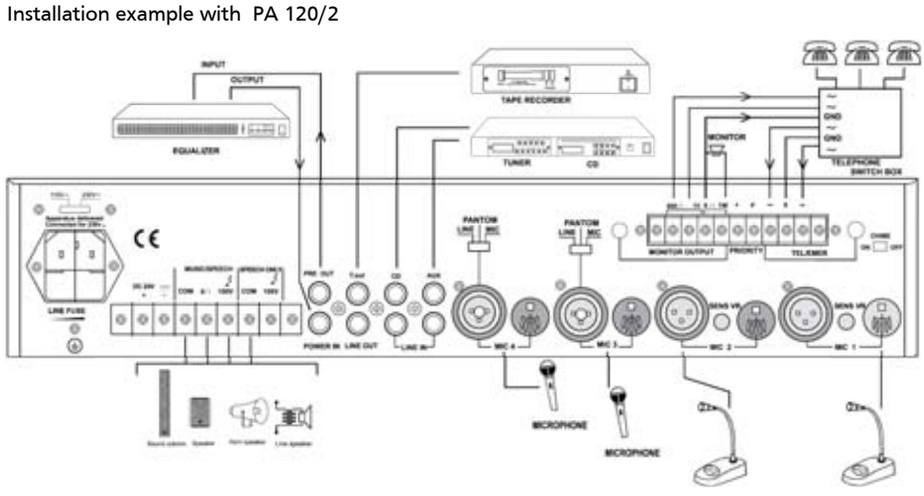
FEATURES PA 60/2

- Preamp and TAPE outputs.
- TEL/EMER terminals with level control.
- Volume controls for inputs and Master.
- Low/High tone controls.

FEATURES PA 120/2

- Preamp and TAPE outputs.
- TEL/EMER terminals with level control.
- Volume controls for inputs and Master.
- Low/High tone controls.

Installation example with PA 120/2



TECHNICAL DATA	PA 60/2	PA 120/2
Output power:	60 W.	120 W.
Output system:	8 Ω 25/70/100 V Line.	8 Ω 100 V Line.
Inputs:	3 bal. Mic + 2 Aux in (RCA) + POST (Mono RCA) + TEL/EMER	4 bal. Mic + 1 Line (CD/Aux) + POST + TEL/ EMER.
Outputs:	Preamp Out (mono RCA) + Tape Out (RCA).	Preamp Out (Mono RCA) + 1 output monitor (terminals) + Tape Out (RCA).
Main supply:	AC 115/230 V DC 24 V.	AC 115/230 V DC 24 V.
Dimensions (WxHxD) :	430 x 88 x 260 mm.	430 x 88 x 330 mm.
Weight:	8 kg.	10 kg.

PA 50

Amplifier/mixer

Installed sound power amplifier/mixer with three inputs.

FEATURES

- Outputs for constant impendence speakers (selectable 4/8/16 Ω) or for constant voltage (Line 70/100 V).
-Priority terminals.
- Tone and input volume controls.

TECHNICAL DATA	PA 50
Power output:	36 W @ 4 Ω.
Output system:	4/8/16 Ω 100 V Line.
Inputs:	2 Mic (¼" Jack) + 1 Aux + 1 PH (RCA).
Outputs:	Terminals.
Main supply:	AC 230 V 50 Hz.
Dimensions (WxHxD):	320 x 80 x 190 mm.
Weight:	5 kg.

PA 40/2

Amplifier/mixer

NEW

Installed sound power amplifier/mixer with three inputs: two for dynamic microphones and one for Aux.

FEATURES

- 2 inputs for dynamic microphones and one input for Aux.
- Outputs for constant impendence speakers (4-16 Ω).
- Selectable main supply: AC 115-230 V or DC 12 V.

TECHNICAL DATA	PA 40/2
Power output:	18 W @ 4 Ω.
Output load:	4/16 Ω.
Frequency response:	150 Hz - 15 kHz ± 3 dB.
Inputs:	AC 115-230 V, DC 12 V.
Main supply:	115-230V AC -12V DC.
Dimensions (WxHxD):	245 x 220 x 78 mm.
Weight:	3.2 kg.

PA 25

Amplifier/mixer

Amplifier/mixer for fixed installations or for car audio installations.

TECHNICAL DATA	PA 25
Power output:	10 W @ 4 Ω.
Output system:	4-16 Ω.
Inputs:	1 Mic + 3 Aux (¼" Jack).
Outputs:	Terminals.
Main supply:	AC 220 V DC 12V.
Dimensions (WxHxD) :	155 x 65 x 147 mm.
Weight:	0.78 kg.

FEATURES

- Mic and Line inputs.
- Volume control and tone for each input.
- Alarm switch with level selector.
- Priority terminals.

PA 8000 RC

Amplifier/mixer

TECHNICAL DATA	PA 8000 RC
Power output:	45 W RMS @ 4 Ω.
Output system:	4/8/16 Ω 50/70/100 V Line.
Inputs:	2 bal.Mic/Line + 1 unbal. ¼" Jack + Aux in (RCA).
Audio source:	AM/FM digital tuner/ Autoreverse cassette player.
Main supply:	AC 230 V DC 24 V.
Dimensions (WxHxD):	360 x 133 x 280 mm.
Weight:	10.2 kg.

Installed sound amplifier/mixer with 5 inputs and audio source.

FEATURES

- AM/FM digital tuner (5 memories).
- Mic inputs with PHANTOM inputs.
- Auto reverse cassette player.
- Low/High tone controls.

PA 90 CD

Amplifier/mixer

TECHNICAL DATA	PA 90 CD
Output power:	40 W (2 Ω) 27 W (4 Ω).
Output system:	16-2 Ω.
Inputs:	2 Mic unbal. ¼" Jack + 1 Aux unbal. ¼" Jack.
Audio source:	CD player.
Main supply:	AC 115/230 V DC 24 V.
Dimensions (WxHxD):	280 x 90 x 285 mm.
Weight:	5.5 kg.

Installed sound amplifier/mixer with 3 inputs and CD player.

FEATURES

- CD player with Prog and Repeat functions.
- Volume control for each input.
- Alarm switch with level selector.

PA 40 CA

Amplifier/mixer

TECHNICAL DATA	PA 40 CA
Output power:	18 W @ 4 Ω.
Output system:	4/8/16 Ω 70/100 V Line.
Inputs:	2 Mic unbal. ¼" Jack + 1 Aux/Tape unbal. ¼" Jack.
Audio source:	Auto reverse cassette player.
Main supply:	AC 115/230V. DC 12V.
Dimensions (WxHxD):	242 x 73 x 198 mm.
Weight:	1.2 kg.

Installed sound amplifier/mixer with 3 inputs and audio source (auto reverse cassette).

FEATURES

- Auto reverse cassette player.
- Volume control for each input.
- Alarm switch with level selector.

PA 150 CD MP3

Amplifier/mixer

This 4 channel amplifier/mixer with audio source has been designed for sound installations. It supports MP3 files.

FEATURES

- CD player suitable for MP3 files with Prog and Repeat functions.
- 150 W RMS power output.
- Volume control.
- Tone and Master control.

TECHNICAL DATA	PA 150 CD/MP3
Power output:	150 W RMS.
Output system:	4/8/16 Ω - 70/100 V Line.
Inputs:	3 unbal. ¼" Jack Mic + 1 unbal. RCA Aux.
Audio source:	CD/MP3 player.
Main supply:	AC 115/230 V.
Dimensions (WxHxD):	450 x 100 x 335 mm.
Weight:	12.35 kg.

PA 9500 CDT

Amplifier/mixer

Installed sound amplifier/mixer with 6 inputs and audio source (AM/FM tuner and CD player).

FEATURES

- AM/FM digital tuner with 7 memories.
- Rec and SEND outputs.
- CD player suitable with Prog and Repeat functions.
- Low/high tone controls.

TECHNICAL DATA	PA 9500 CDT
Power output:	120 W RMS.
Output system:	4/8/16 Ω - 70/100 V Line.
Inputs:	4 bal. XLR3 Mic (¼ Jack priority Mic 1) + 2 Aux IN (RCA) + Rec/SEND (RCA).
Audio source:	AM/FM tuner and CD player.
Main supply:	AC 230 V DC 24 V.
Dimensions (WxHxD):	450 x 150 x 330 mm.
Weight:	12 Kg.

IC PRO SERIES

Efficient and smart solutions for any ceiling audio installations.

IC 6 PRO

IC 4 PRO

IC 4 PRO R

Ceiling speakers

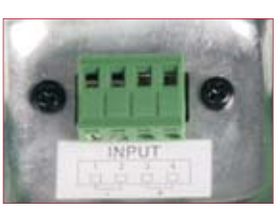
Ceiling speakers from the **IC PRO series** feature separate woofer and tweeter providing an excellent sound quality. They represent a great solution for sound system installations like halls and stores.

They are manufactured with high resistance ABS and metal grill, including a metal protection enclosure where filter and transformer are lodged inside. They also have an isolated connector for cable connections, ensuring a safety use. Its fastener fixation to the roof ensures quality installations.

These ceiling speakers use 70 V and 100 V voltage Line (8 Ω) with a power output level selector.

Metal housing for a better protection.

70/100 V - 8 Ω output power selector.



Connection system.

TECHNICAL DATA	IC 4 PRO	IC 4 PRO R	IC 6 PRO
Type:	2 way ceiling speakers.	2 way ceiling speakers.	2 way ceiling speakers.
Elements:	4" (101 mm) dual cone woofer + ¾" (19 mm) tweeter.	4" (101 mm) dual cone woofer + ¾" (19 mm) tweeter.	6.5" (165 mm) dual cone woofer + ¾" (19 mm) tweeter.
Frequency response:	80 Hz – 20 kHz.	80 Hz – 20 kHz.	60 Hz – 20 kHz.
Power output: Line 100 V:	10k(1W), 5k(2W), 2k5(4W), 1k2(8W).	10k(1W), 5k(2W), 2k5(4W), 1k2(8W).	2k(5W), 0k6(15W), 0k3(30W), 0k2(50W).
Line 70 V:	10k(0,5W), 5k(1W), 2k5(2W), 1k2(4W), 0k6(8W).	10k(0,5W), 5k(1W), 2k5(2W), 1k2(4W), 0k6(8W).	1k6(3W), 1k(5W), 0k3(15W), 0k16(30W), 0k1(50W).
Input impedance:	8 Ω (30 W).	8 Ω (30 W).	8 Ω (60 W).
Max S.P.L:	88 dB @ 1m.	88 dB @ 1m.	88 dB @ 1m.
Mounting dimensions:	170 mm diameter x 30 mm (maximum ceiling thickness).	190 x 190 mm / 30 mm (maximum ceiling thickness).	220 mm diameter x 30 mm (maximum ceiling thickness).
Dimensions:	184 x 114 mm. (Ø x D).	210 x 210 x 115 mm. (WxHxD).	241 x 171 mm. (Ø x D).
Weight:	2.3 kg.	2.4 kg.	2.8 kg.

IC 6 PRO A

IC 6 PRO A

Ceiling speaker

The first ceiling speaker featuring a 40 W amplifier (class D) and controlled by DMX.

NEW

FEATURES

- Power amplifier: 40 W RMS.
- 6.5" woofer + ¾" tweeter.
- Main supply: DC 24 V, 2 A.
- Balanced input signal.
- Controlled by DMX or DC 0-10 V analog signal (for volume control).
- Power On/Off (Standby mode) by DMX.
- DIP-switch for DMX address selection.
- White LED on front panel to indicate if the unit is turned on.
- Frequency response: 60 Hz – 20 kHz.

Connection system.

IC 6 Pro A is a ceiling speaker like no other. This ingenious speaker differentiates itself from the others as it features an internal 40 W amplifier and it is controlled by DMX.
Thanks to this innovative idea, installation results very easy, because **IC 6 Pro A** can cover many zones (512 zones per universe). Speakers can be controlled independently of each others, by using them with a DMX console.

Digital control:
DMX is a protocol that has been initially designed for lighting consoles, but it is also well known by integrators and it is compatible with the most common control devices (Creston, AMX, etc.). Each **IC 6 Pro A** uses a DMX channel for volume control and to switch On/Off the amplifier (Standby mode to save energy). It provides DIP switch on rear panel to select Start DMX address.

Self-powered speaker:
The built-in Class D power amplifier drives up to 40 W @ 8 Ω. Balanced input for long distance cable.

TECHNICAL DATA	IC 6 PRO A
Type:	Self-powered 2 way ceiling speakers.
Elements:	6.5" (165 mm) dual cone woofer + ¾" (19 mm) tweeter.
Frequency response:	60 Hz - 20 kHz.
Power amplifier:	40 W RMS.
Input impedance:	10 kΩ.
Max S.P.L:	88 dB @ 1m.
Mounting dimensions:	220 mm diameter x 30 mm (maximum ceiling thickness).
Dimensions:	241 x 171 mm. (Ø x D).
Weight:	2.8 kg.

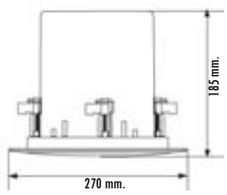
These ceiling speakers are ideal to create sound atmosphere, as they feature high quality woofers and tweeters that provide great audio quality in any installations.

Filter and transformer are logded in a metal enclosure that protects them from fire. These ceiling speakers use 70 V and 100 V voltage Line (8 Ω) with a power output level selector.

IC 811 T

Ceiling speaker

NEW

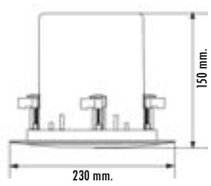


TECHNICAL DATA	IC 811 T
Power output:	5W/10W/20W/40W/8Ω.
Line voltage:	70/100 V.
Elements:	8" woofer + ½" tweeter.
Sensitivity (1M/1W):	88 dB.
Freq. response:	50 Hz - 20 kHz.
Material (panel):	RAL 9016 white ABS.
Grill:	Metal.
Dimensions (Ø x D):	Ø 270 x 185 mm.
Mounting diameter (Ø):	Ø 240 mm.
Weight:	3.1 kg.

IC 611 T

Ceiling speaker

NEW

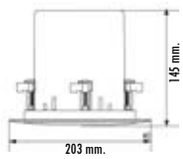


TECHNICAL DATA	IC 611 T
Power output:	3.8W/7.5W/15W/30W/8Ω.
Line voltage:	70/100 V.
Elements:	6" woofer + ½" tweeter.
Sensitivity (1M/1W):	88 dB.
Freq. response:	90 Hz - 20 kHz.
Material (panel):	RAL 9016 white ABS.
Grill:	Metal.
Dimensions (Ø x D):	Ø 230 x 150 mm.
Mounting diameter (Ø):	Ø 200 mm.
Weight:	2.3 kg.

IC 511 T

Ceiling speaker

NEW



TECHNICAL DATA	IC 511 T
Power output:	2.5W/5W/10W/20W/8Ω.
Line voltage:	70/100 V.
Elements:	5" woofer + ½" tweeter.
Sensitivity (1M/1W):	88 dB.
Freq. response:	100 Hz - 20 kHz.
Material (panel):	RAL 9016 white ABS.
Grill:	Metal.
Dimensions (Ø x D):	Ø 203 x 145 mm.
Mounting diameter (Ø):	Ø 170 mm.
Weight:	1.8 kg.

The following loudspeakers have been designed to offer high quality solutions with a very attactive price. They are perfectly adequate for small audio installations like stores and small rooms.

Their installation is particularly easy as they are directly fixed to ceiling. Made of strong ABS plastic, they ensure long lifetime and heat protection.

IC 80 T

Ceiling speaker

NEW

TECHNICAL DATA	IC 80 T
Power output:	6 W.
Line voltage:	100 V.
Elements:	8" woofer (full range).
Sensitivity (1M/1W):	88 dB.
Freq. response:	50 Hz - 18 kHz.
Power selector:	3 W/6 W.
Material (panel):	White ABS.
Grill:	Metal.
Dimensions (Ø x D):	Ø 270 x 85 mm.
Mounting diameter (Ø)	Ø 240 mm.
Weight:	1.2 kg.

IC 60 T

Ceiling speaker

NEW

TECHNICAL DATA	IC 60 T
Power output:	6 W.
Line voltage:	100 V.
Elements:	6" woofer (full range).
Sensitivity (1M/1W):	88 dB.
Freq. response:	110 Hz - 18 kHz.
Power selector:	3 W/6 W.
Material (panel):	White ABS.
Grill:	Metal.
Dimensions (Ø x D):	Ø 230 x 80 mm.
Mounting diameter (Ø):	Ø 200 mm.
Weight:	0.9 kg

IC 50 T

Ceiling speaker

NEW

TECHNICAL DATA	IC 50 T
Power output:	6 W.
Line voltage:	100 V.
Elements:	5" woofer (full range).
Sensitivity (1M/1W):	88 dB.
Freq. response:	110 Hz - 18 kHz.
Power selector:	3 W/6 W.
Material (panel):	White ABS.
Grill:	Metal.
Dimensions (Ø x D):	Ø 203 x 80 mm.
Mounting diameter (Ø):	Ø 170 mm.
Weight:	0.7 kg.

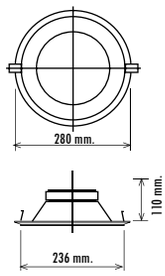
These ceiling speakers combine an excellent coaxial woofer and a swivel tweeter: it orientates high frequencies and provides the desired sound directivity. The three sizes (and power outputs) available ensure the appropriate sound distribution in the installation.

Thanks to their transformer, this series can be installed with low and high impedance (in this case: Line 100 V). Four inputs can be selected. Their installation is particularly easy as they are directly fixed to ceiling.

Swivel tweeter.

IC 8 S

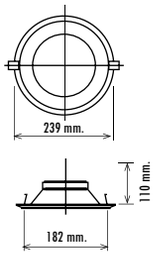
Ceiling speaker



TECHNICAL DATA	IC 8 S
Elements:	8" woofer + 25 mm tweeter.
Voltage Line:	70/100 V - 8 Ω.
Power output:	8 Ω - 30 W - 100V/30W-15W-8W-5W.
Frequency response:	50 Hz - 20 kHz.
Sensitivity:	89 dB.
Dispersion:	122°.
Weight:	1.4 kg.

IC 6 S

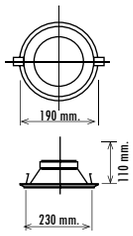
Ceiling speaker



TECHNICAL DATA	IC 6 S
Elements:	6"½ woofer + 25 mm tweeter.
Voltage Line:	70/100 V - 8 Ω.
Power output:	8 Ω - 10 W - 100V/10W-5W-2.5W.
Frequency response:	60 Hz - 20 kHz.
Sensitivity:	89 dB.
Dispersion:	130°.
Weight:	1 kg.

IC 5 S

Ceiling speaker



TECHNICAL DATA	IC 5 S
Elements:	5" ¼ woofer + 25 mm tweeter.
Voltage Line:	70/100 V - 8 Ω.
Power output:	8 Ω - 10 W - 100V/10W-5W-2.5W.
Frequency response:	70 Hz - 20 kHz.
Sensitivity:	88 dB.
Dispersion:	135°.
Weight:	0.85 kg.

RCS 403 PRO T, RCS 303 BT and **RCS 303** are ceiling speakers easy to install and designed for music diffusion and speech.
Due to their mounting diameter (Ø 95 mm), **RCS 303 BT** and **RCS 303** are suitable for installations using MR-16 lamps.

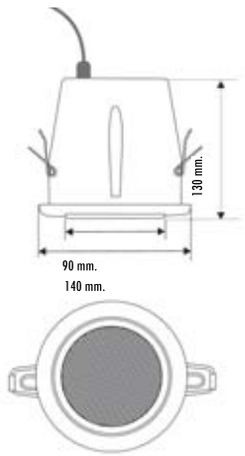
Housing is made of ABS plastic with a metal grill. Fixation with removable towing hook system ensures the perfect fastening of these devices.

RCS 403 PRO T

44 IP

Ceiling speaker

TECHNICAL DATA	RCS 403 PRO T
Line voltage:	70/100 V.
Elements:	4" woofer (full range).
Sensitivity:	91 dB.
IP range:	44.
Max. S.P.L:	95 dB @ 100 V.
Frequency response:	150 Hz - 18 kHz.
Power selector:	6W/ 3W.
Material:	ABS
Grill:	Metal.
Dimensions (Ø x D):	Ø 140 x 130 mm.
Mounting diameter (Ø):	Ø 125 mm.
Weight:	0.9 kg.

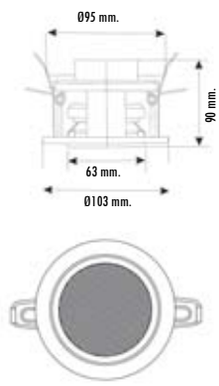


NEW

RCS 303 BT

Ceiling speaker

TECHNICAL DATA	RCS 303 BT
Line voltage:	70/100 V.
Elements:	2.5" woofer (full range).
Power output:	100V / 6W - 3W
Sensitivity:	87 dB.
Max. S.P.L:	91 dB @ 100 V.
Frequency response:	120 Hz - 20 kHz.
Material:	ABS
Grill:	Metal.
Mounting diameter (Ø):	Ø 95 mm.
Weight:	0.5 kg.

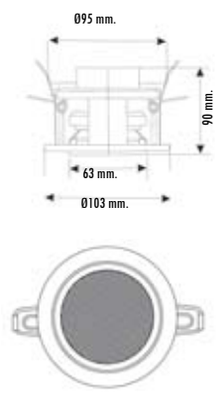


NEW

RCS 303

Ceiling speaker

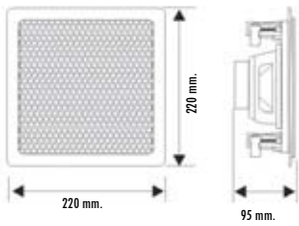
TECHNICAL DATA	RCS 303
Line voltage:	70/100 V.
Elements:	2.5" woofer (full range).
Power output:	100V/6W-3W-1.5W.
Frequency response:	120 Hz - 20 kHz.
Sensitivity:	86 dB.
Material:	ABS
Grill:	Metal.
Mounting diameter (Ø):	Ø 95 mm.
Dispersion:	140°.
Weight:	0.6 kg.



REAR PANEL

RCS 204

Ceiling speaker



REAR PANEL

Contrary to other ceiling speakers, this 2 way speaker has a square shape. It features a 5" woofer and ½" tweeter with an ABS front panel and metal grill. Thanks to its size (220 x 220 mm), **RCS 204** can be installed in any place with conventional lighting.

TECHNICAL DATA	RCS 204
Elements:	5" woofer + ½" tweeter.
Power:	100 V/ 2.5-5-10 W -8Ω / 30 W.
Frequency response:	90 Hz - 20 kHz.
Sensitivity:	89 dB.
Dispersion:	136°.
Weight:	1.86 kg.

RCS 003

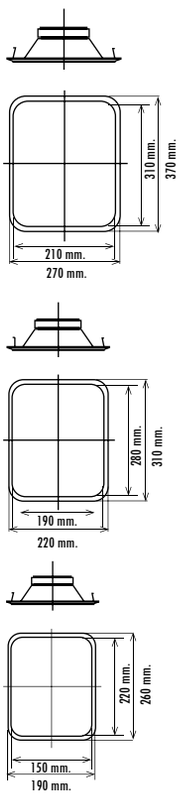
RCS 002

RCS 001

In-wall / ceiling speakers

RCS series are ceiling speakers suitable for both public address systems and domestic uses.
Moulded in high resistance ABS plastic, these shallow speakers feature an efficient 2 way system with passive filter. They can be used with low and high impedance (in this case: Line 100 V). With their large frequency range, they provide optimum results even at low frequencies.

Crossover



RCS 003

RCS 002

RCS 001

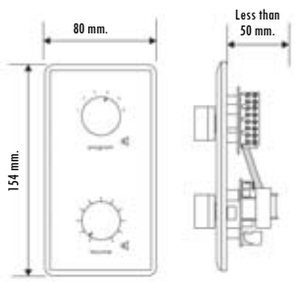
TECHNICAL DATA	RCS 003	RCS 002	RCS 001
Elements:	8" woofer (full range) + tweeter.	6¼" woofer (full range) + tweeter.	5¼" woofer (full range) + tweeter.
Power output:	100V/30W-20W-10W.	100V/12W-8W-4W.	100V/12W-8W-4W.
Frequency response:	40 Hz - 20 kHz.	45 Hz - 20 kHz.	70 Hz - 20 kHz
Sensitivity:	90 dB.	89 dB.	89 dB
Dispersion:	136°.	140°.	142°
Weight:	1.86 kg.	1.72 kg.	1.5 kg.

NEW

Designed to be fit in euro-size electrical boxes, this range of volume controllers and program selectors are oriented to multi-zone or local control applications.
All the elements have been changed to offer a minimalist design. **ATP series** and **AP 6** include a 24 V input for emergency alarms.

ATP series
AT series
AP 6

Volume controllers and program selectors.

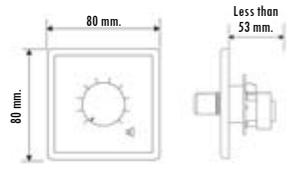


ATP 2XX

Volume control + program selector.

ATP 250 (50W)
ATP 224 (24W)
ATP 206 (6W) RESISTIVE

TECHNICAL DATA	ATP series
Material:	ABS Plastic.
Colour:	White.
Weight:	370 g.

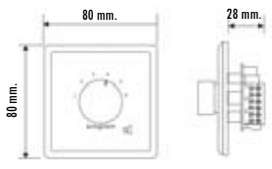


AT 1XX

Volume control + amplifier.

AT 150 (50W)
AT 125 (25W)
AT 106 (6W) RESISTIVE

TECHNICAL DATA	AT series
Input Line:	100 V.
Attenuation steps:	10 steps (3 dB per step).
Max. attenuation:	30 dB.
Material:	ABS Plastic.
Colour:	White.
Weight:	250 g.



AP 6

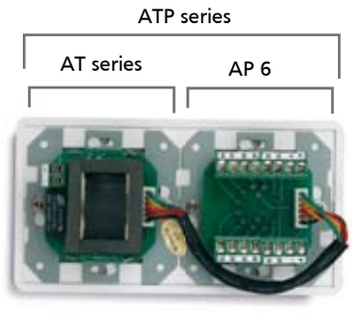
Programmer.

AP 6

TECHNICAL DATA	AP 6
Programs:	6.
Material:	ABS Plastic.
Colour:	White.
Weight:	160 g.

AT series and **AP 6** can be easily fit in a euro-size electrical box (double size for ATP series). This is an advantage for installers because they use the same systems for interrupters.

Rear panel of the ATP series (composed of AT + AP 6).



AT 225

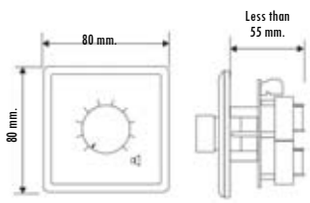
Volume controller

NEW

AT 225

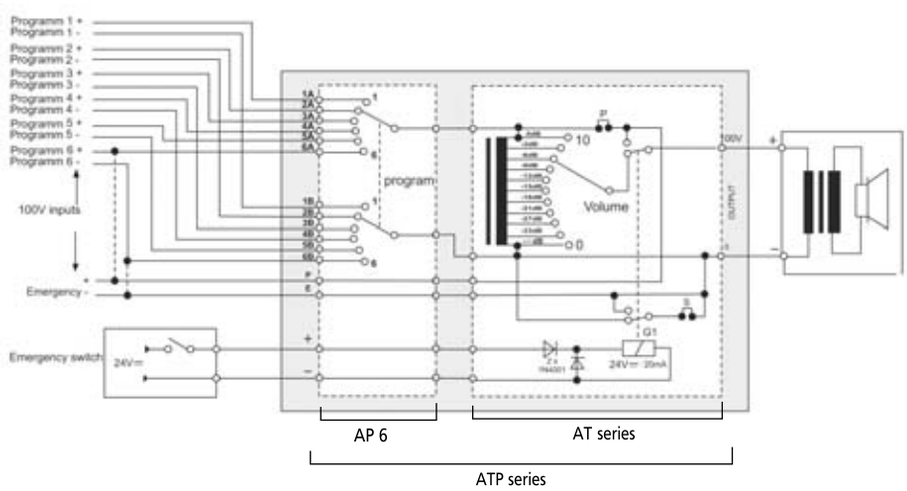
AT 225 is a new solution for volume remote control in a stereo configuration with low impedance. With 2 transformers, it controls in 10 steps of 3 dB up to 25 W per channel.
The other advantage of this attenuator is that several loudspeakers (with low impedance) can be connected at the same amplifier output.

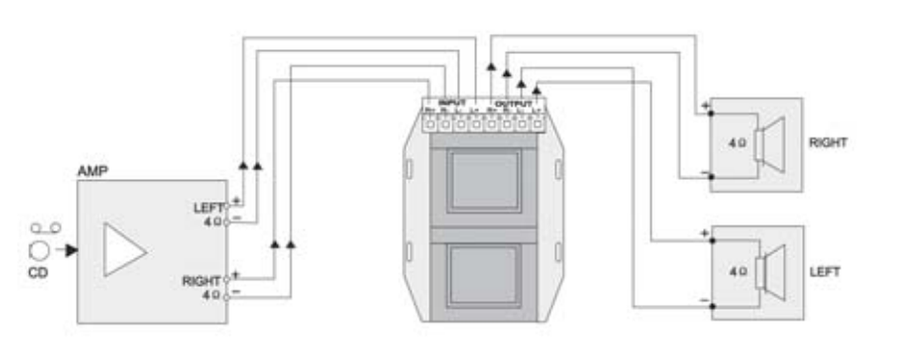
Rear panel



TECHNICAL DATA	AT 225
Line input:	4 Ω (low impedance).
Power capacity:	2 x 25 W.
Attenuation steps:	10 steps (3 dB each one).
Max. attenuation:	30 dB.
Material:	ABS Plastic.
Colour:	White.
Weight:	340 g.

Connection diagram.





VCR series includes volume controllers in 19" rack format for multi-channel/multi-zone applications: **VCR 601** is suitable for 100 V installations whereas **VCR 602** is suitable for stereo low impedance installations (4 Ω).

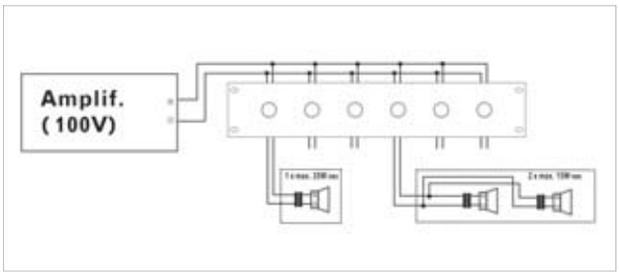
VCR 601 has a 24 V input to stop attenuation in case of emergency alarm. **VCR 602** for its own allows connecting up to 12 loudspeakers of 8 Ω to a 4 Ω amplifier with a maximum power output of 25 W each (independent volume control).

VCR 601

Volume controller

NEW

REAR PANEL



TECHNICAL DATA	VCR 601
Input Line:	100 V.
Inputs/outputs:	6 inputs / 6 outputs.
Power capacity:	35 W per channel.
Dimensions (WxHxD):	483 x 88 x 170 mm.
Weight:	810 g.

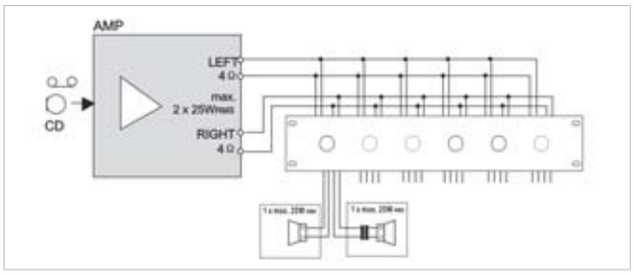
NEW

VCR 602

Volume controller

STEREO
STEREO Low IMPEDANCE

REAR PANEL



TECHNICAL DATA	VCR 602
Input Line:	4 Ω low impedance.
Inputs/outputs:	6x2 inputs / 6x2 outputs.
Power capacity:	25 W per channel (@ 4 Ω per output).
Dimensions (WxHxD):	483 x 88 x 170 mm.
Weight:	850 g.

WHS 45 and **MSH 30/BT** are sound projectors (2 way system for **MSH 30/BT**) that provide great acoustic response. The S.P.L range ensures best results in all the sound frequency spectrum. **MSH 30/BT** associates a projector and a full range transducer for an efficient directionality.

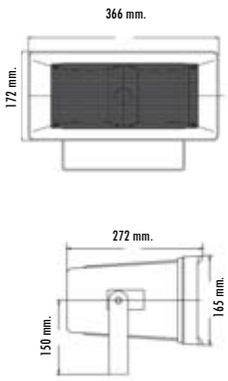
As they support almost any weather conditions, these speakers are ideal for outdoor uses. They both feature an aluminium mounting handle for an easy installation.

WHS 45 S

56 IP

NEW

Sound projector



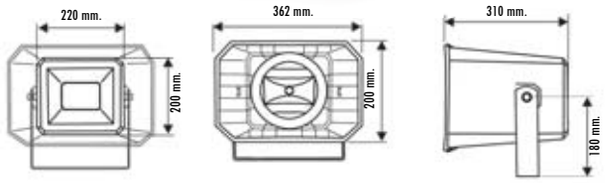
TECHNICAL DATA	WHS 45 S
Power output:	30 W @ 8 Ω.
Line voltage:	70/100 V.
Elements:	5" woofer (full range).
Sensitivity Menos de **(1M/1W)**	90 dB.
Max. S.P.L:	105 dB.
IP range:	56.
Freq. response:	100 Hz - 10 kHz.
Power selector:	3.8W/7.5W/15W/30W (100V.)
Material (panel):	Grey ABS plastic.
Grill:	Aluminium.
Dimensions (WxHxD):	366 x 230 x 272 mm.
Weight:	3 kg.

MSH 30/BT

56 IP

NEW

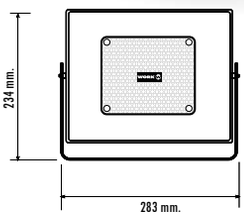
Sound projector



TECHNICAL DATA	MSH 30/BT
Power output:	50 W @ 8Ω.
Line voltage:	70/100 V.
Elements:	6" woofer + Ø 2.5 mm tweeter.
Sensitivity (1M/1W)	99 dB.
Max. S.P.L:	115 dB.
IP range:	56.
Freq. response:	90 Hz-20 kHz.
Power selector:	3.5W/4.5W/9W/12,5W/25W/50W/8Ω.
Material (panel):	ABS.
Grill:	———
Dimensions (WxHxD):	363 x 253 x 310 mm.
Weight:	3.9 kg.

46 IP CS 30 A

Sound projector



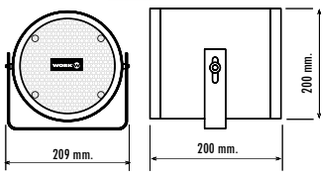
Square sound projector designed for installations with background noise like train stations. It is made of strong ABS plastic that resists to hits.

CS 30 A also features a 120 mm dynamic cone woofer with a high frequency range, offering an excellent response with any frequency. It is possible to select power output from four different values. It also has a Line transformer for constant voltage systems.

TECHNICAL DATA	CS 30 A
Speaker:	5" woofer with 120 mm dynamic cone.
Power output:	100V/7.5W/15W/30W.
Frequency response:	125 Hz -15 kHz.
IP range:	46.
Max S.P.L:	101 dB.
Dimensions (WxHxD):	283 x 234 x 256 mm.
Weight:	3.7 kg.

46 IP CS 6 A

Sound projector



Cylindrical sound projector made of strong ABS plastic. Its 120 mm dynamic cone woofer (full range) provides an excellent response with any frequency. It also has a transformer for constant voltage systems (Line 50/70/100V). It is possible to select power output from four different values.

TECHNICAL DATA	CS 6 A
Speaker:	5" woofer (full range).
Power output:	100V/6W/3W/1.5W/0.75W.
Frequency response:	125 Hz -15 kHz.
Max S.P.L:	95 dB.
IP range:	46.
Dimensions (Ø x Pr):	185 x 200 mm.
Weight:	1.4 kg.

These sound projectors made of ABS plastic and aluminium allow a precise orientation of sound in an area. They can be easily installed on walls and ceilings. The transformer offers different input voltage.

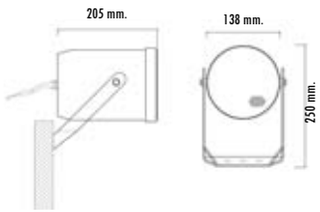
They feature an axial cone woofer (full range) and a S.P.L system that improves sound distribution. They are perfectly adequate for installations with background noise like train stations.

CS 323 T

55 IP

Sound projector

NEW

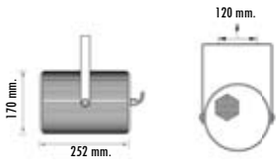


CS 310 T

54 IP

Sound projector

NEW



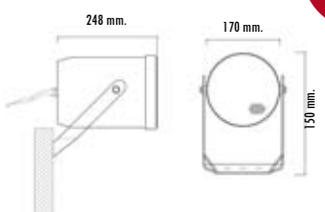
TECHNICAL DATA	CS 323 T/ CS 310 T
Power output:	20 W.
Line voltage:	100 V.
Elements:	6.5" woofer (full range).
Sensitivity (1M/1W):	92 dB.
IP range:	55/54.
Frequency response:	110 Hz - 15 kHz.
Power selector:	5W/10W/20W.
Material: CS 323T: CS 310T:	 ABS plastic. RAL 9016 white aluminium.
Grill: CS 323T: CS 310T:	 Aluminium. Iron.
Dimensions (ØxD): CS 323T: CS 310T:	 Ø 170 x 245 mm. Ø 170 x 252 mm.
Weight: CS 323T: CS 310T:	 1.6 kg. 2.8 kg.

CS 306 T

55 IP

Sound projector

NEW

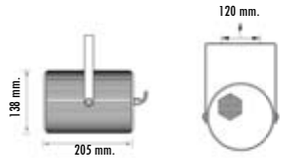


CS 303 T

54 IP

Sound projector

NEW



TECHNICAL DATA	CS 306 T/ CS 303 T
Power output:	10 W.
Line voltage:	100 V.
Elements:	5" woofer (full range).
Sensitivity (1M/1W):	91 dB.
IP range:	55/54.
Frequency response:	130 Hz - 15 kHz.
Power selector:	2.5W/5W/10W.
Material: CS 306T: CS 303T:	 ABS plastic. RAL 9016 white aluminium.
Grill: CS 306T: CS 303T:	 Aluminium. Iron.
Dimensions: CS 306T: CS 303T:	 Ø 138 x 205 mm. Ø 138 x 205 mm.
Weight: CS 306T: CS 303T:	 1.6 kg. 2.2 kg.

ER 226

Megaphone

FEATURES

- 8 W hand megaphone.
- Microphone included.
- Moulded in high resistance ABS plastic.
- Easy handling.

TECHNICAL DATA	ER 226
Power output:	8 W.
Battery:	6 x AA battery.
Dimensions (Ø x D):	150 x 320 mm.
Weight:	0.63 kg.

ER 332 S

Megaphone

FEATURES

- 10 W hand megaphone.
- Siren included.
- Detachable anti-howl microphone.
- Moulded in high resistance ABS plastic.
- Easy handling.
- Volume control.

TECHNICAL DATA	ER 332 S
Power output:	10 W.
Battery:	8 x AA battery.
Dimensions (Ø x D):	190 x 320 mm.
Weight:	0.9 kg.

ER 55 SF

Megaphone

FEATURES

- 25 W hand megaphone.
- Siren and microphone included.
- Easy handling.
- Moulded in high resistance ABS plastic.

TECHNICAL DATA	ER 55 SF
Power output:	25 W.
Battery:	8 x C battery.
Dimensions (Ø x D):	230 x 370 mm.
Weight:	1.65 kg.

ER 56 S

Megaphone

FEATURES

- 25 W shoulder type / desktop type megaphone.
- Hand microphone separated.
- Siren included.
- Volume control.
- Moulded in high resistance ABS plastic.

TECHNICAL DATA	ER 56 S
Power output:	25 W.
Battery:	8 x C battery.
Dimensions (Ø x D):	230 x 350 mm.
Weight:	1.65 kg.

ER 66 S

Megaphone

FEATURES

- 25 W shoulder type / desktop type megaphone.
- Hand microphone separated.
- Siren included.
- Volume control.
- Moulded in high resistance ABS plastic.

TECHNICAL DATA	ER 66 S
Power output:	25 W.
Battery:	8 x C battery.
Dimensions (Ø x D):	230 x 350 mm.
Weight:	1.65 kg.

PH 10/BT, **PH 15/BT** and **30/BT** are horn speakers that feature a 100V Line transformer to provide different input voltage and be adjusted to different installations.

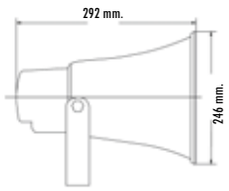
Made of ABS plastic with an IP range of 56 and stainless steel handles, they are useful for outdoor uses and alarm systems. Each model has its own power output (from 10 to 30 W) to ensure a great sound diffusion in medium-size installations.

PH 30/BT

56 IP

Horn speaker

NEW



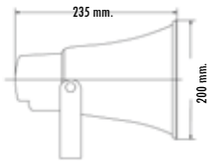
TECHNICAL DATA	PH 30/BT
Power output:	30 W.
Line voltage:	100 V.
Sensitivity (1M/1W):	101 dB.
Freq. response:	350 Hz - 8 kHz.
IP range:	56.
Power selector:	3.75W/7.5W/15W/30W/8Ω
Material :	RAL 7035 grey ABS.
Dimensions (ØxD):	Ø 246 x 292 mm.
Weight:	2.3 kg.

PH 15/BT

56 IP

Horn speaker

NEW



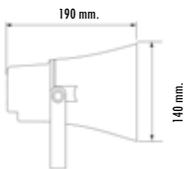
TECHNICAL DATA	PH 15/BT
Power output:	15 W.
Line voltage:	100 V.
Sensitivity (1M/1W):	102 dB.
Freq. response:	300 Hz - 8 kHz.
IP range:	56.
Power selector:	1.9W/3.75W/7.5W/ 15W/8Ω.
Material :	RAL 7035 grey ABS.
Dimensions (ØxD):	Ø 200 x 235 mm.
Weight:	1.9 kg.

PH 10/BT

56 IP

Horn speaker

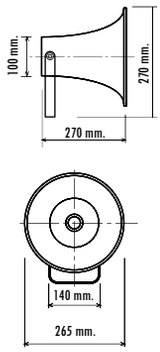
NEW



TECHNICAL DATA	PH 10/BT
Power output:	10 W.
Line voltage:	100 V.
Sensitivity (1M/1W):	97 dB.
Freq. response:	400 Hz-10 kHz.
IP range:	56.
Power selector:	1,25W/2,5W/5W/10W/8Ω.
Material :	RAL 7035 grey ABS.
Dimensions:	Ø 140 x 190 mm.
Weight:	1.3 kg.

FEATURES

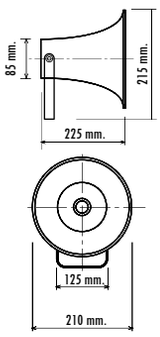
- Horn speaker series from 10 to 30 W.
- High sensitivity for music and speech diffusion.
- Recommended for larges areas that require high level of sound pressure.
- Moulded in aluminium.



66 IP TC 30 AH

Horn speaker

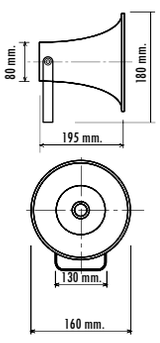
TECHNICAL DATA	TC 30 AH
Power output:	100V/30W/15/10/5/3/1.
Frequency response:	350 Hz - 5 kHz.
Max S.P.L:	107 dB.
IP range:	66.
Weight:	1.3 kg.



66 IP TC 15 AH

Horn speaker

TECHNICAL DATA	TC 15 AH
Power output:	100V/15W/10/5/3/1.
Frequency response:	350 Hz - 5 kHz.
Max S.P.L:	103 dB.
IP range:	66.
Weight:	0.9 kg.



66 IP TC 10 AH

Horn speaker

TECHNICAL DATA	TC 10 AH
Power output:	100V/10W/5/3/1.
Frequency response:	350 Hz - 6 kHz.
Max S.P.L:	103 dB.
IP range:	66.
Weight:	0.5 kg.

Horn speakers with 25/70/100 V Line transformer to provide different input voltage and thus be adjusted to different installations.
Made of ABS plastic with an IP range of 66 and stainless steel handles, they are useful for outdoor uses and alarm systems.

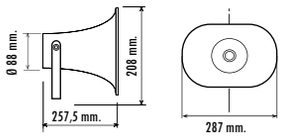
Each model has its own power output (from 10 to 30 W) to ensure a great sound diffusion in medium-size installations.

SC 30 AH

66 IP

Horn speaker

TECHNICAL DATA	SC 30 AH
Power output:	100V/30W/15/10/5/3/1.
Frequency response:	350 Hz - 6 kHz.
Max S.P.L:	107 dB.
IP range:	66.
Weight:	2 kg.

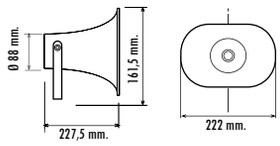


SC 15 AH

66 IP

Horn speaker

TECHNICAL DATA	SC 15 AH
Power output:	100V/15W/10/5/3/1.
Frequency response:	450 Hz - 5 kHz.
Max S.P.L:	105 dB.
IP range:	66.
Weight:	1.6 kg.

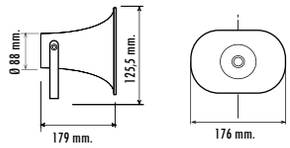


SC 10 AH

66 IP

Horn speaker

TECHNICAL DATA	SC 10 AH
Power output:	100V/10W/5/3/1.
Frequency response:	350 Hz - 6 kHz.
Max S.P.L:	103 dB.
IP range:	66.
Weight:	1 kg.



CS 206
CS 210
CS 214

Column speakers

NEW

CS 214 CS 210 CS 206

This series of column speakers has been designed for audio diffusion in churches, train stations and almost any other places where a clear understanding of announcement is indispensable, even with a large audio dispersion.

Thanks to their power selector, they can be used with low impedance and 100 V Line.

Their elevate IP range (IP 66) increase possibilities as they are also suitable for outdoors applications.

TECHNICAL DATA	CS 206	CS 210	CS 214
Elements:	6 x 2" woofer (full range) + 1" tweeter.	10 x 2" woofer (full range) + 1" tweeter.	14 x 2" woofer (full range) + 1" tweeter.
Power output:	10/20/30 W (Line 100 V) 30 W @ 8Ω.	10/20/40 W (Line 100 V) 40 W @ 8Ω.	20/30/60 W (Line 100 V) 80 W @ 8Ω.
Max S.P.L:	96 dB (1W/1m).	97 dB (1W/1m).	99 dB (1W/1m).
Frequency response:	210 Hz – 20 kHz.	200 Hz – 20 kHz.	180 Hz – 20 kHz.
Dispersion (H/V):	165°/55°.	165°/50°.	165°/75°.
IP range:	IP 66.	IP 66.	IP 66.
Housing:	Aluminium (housing + grill).	Aluminium (housing + grill).	Aluminium (housing + grill).
Dimensions (WxHxD):	66 x 502 x 66 mm.	66 x 723 x 66 mm.	66 x 940 x 66 mm.
Weight:	2.6 kg.	3.3 kg.	4 kg.

CSV 321

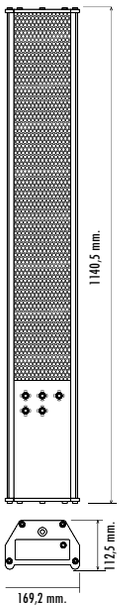
44 IP

Column speakers

CV 321 is a 20 W self-powered column speaker with wireless microphone.
The amplifier circuitry provides 2 Mic/Line inputs and 1 Aux with its own volume and tone controls. It features a Rec output and vumeter.

Made of aluminium and with an iron grill, it includes 4 full range speakers and tweeter. This provides a clear sound, being particularly adequate for churches and other public places.

Thanks to its features, it is possible to realize an installation just by using the speakers. Another solution is to use **CSV 640** (see next page) as main unit and connect several **CSV 321** column speakers.

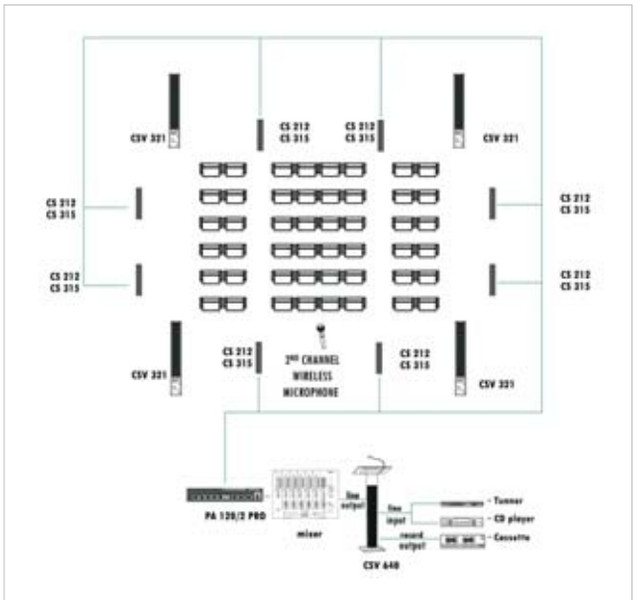


Handheld microphone (included).

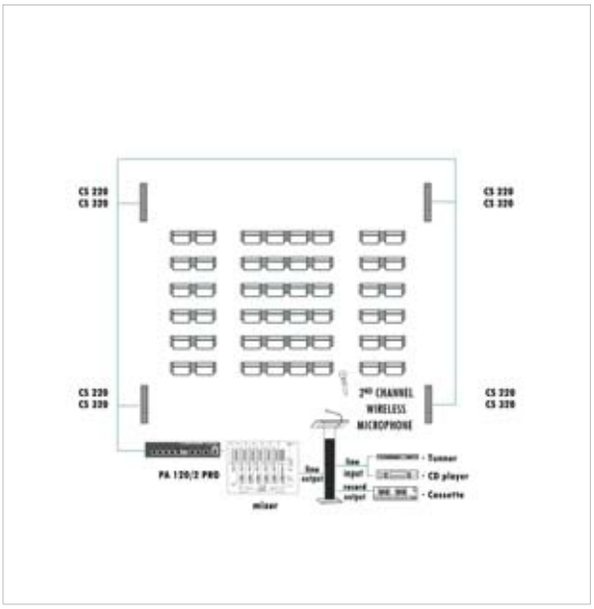
Aux input and 4 position selector for attenuation.

TECHNICAL DATA	CSV 321
Elements:	4 x 5" woofer + 2 tweeter.
Power output:	20 W.
Frequency response:	100 Hz - 16 kHz.
S/N ratio:	45 dB.
IP range:	44.
Main supply:	AC 220 V DC 12 V.
Weight:	9 kg.

ACTIVE INSTALLATION EXAMPLE.



PASIVE INSTALLATION EXAMPLE.



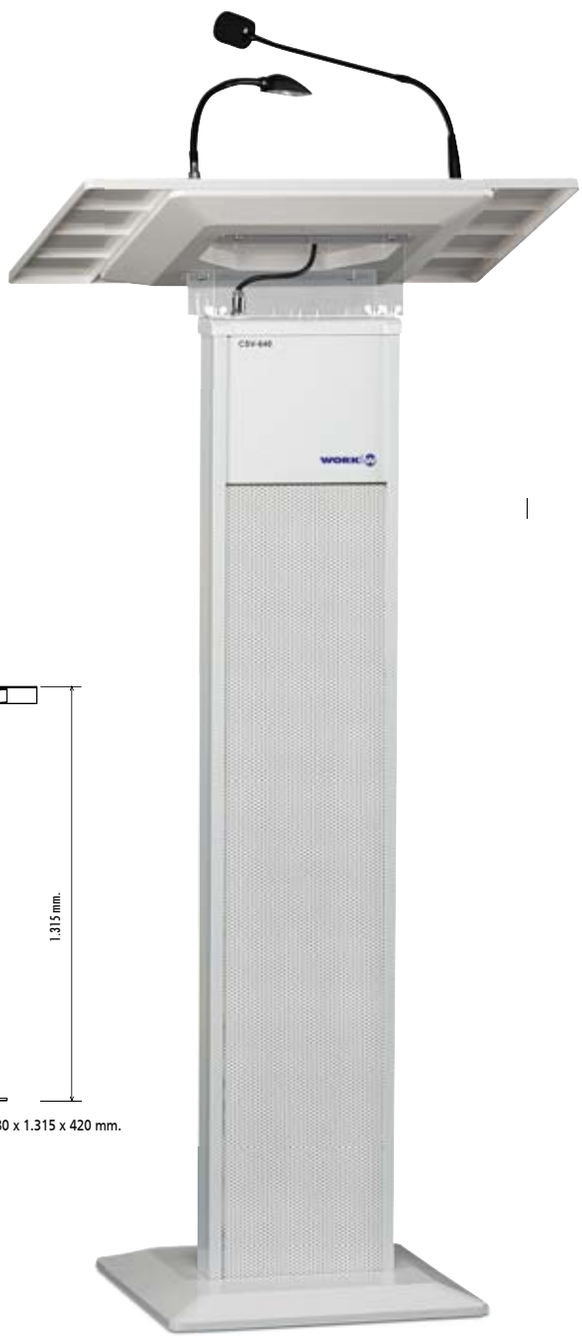
CSV 640

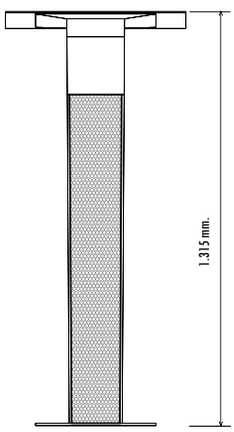
Column speakers

This self-powered column is perfect for any meetings, as it features 4 full range speakers for a power output of 40 W RMS (total). For a better control of audio, it also includes 2 Mic/Line inputs and 1 Aux with its own volume and tone controls.

In addition to the flex lamp, a Mic input is located on the top of the column. Rec output and direct connection to external speakers are available.

An OPTIONAL wireless VHF microphone is available with the column. It is possible to use **CSV 640** as main unit and connect several **CSV 321** column speakers.





Dimensions (WxHxD): 580 x 1.315 x 420 mm.

TECHNICAL DATA	CSV 640
Elements:	4 x 6" woofer + 2 x tweeter.
Power output:	40 W.
THD:	0.5%.
S/N Ratio:	45 dB.
Frequency Resp:	100 Hz - 16 kHz.
Main supply:	AC 220 V DC 12 V.
Max S.P.L:	110 dB.
Weight:	19 kg.

MODEL PAGE

A

AM 105 93
ANALOG MATRIX 8 22
AP 6 109
ARC SUB 10 45
ARC SUB 12 45
AT 106 109
AT 125 109
AT 150 109
AT 225 110
ATP 206 109
ATP 224 109
ATP 250 109
AUDIOROUTE 208 21

B

BNC CONNECT SPLITTER 89
BNC LIGHT 27

C

CD 700 MP3 28
CLUB MASTER 1 33
CLUB MASTER 5 32
CS 206 119
CS 210 119
CS 214 119
CS 303 T 114
CS 306 T 114
CS 30 A 113
CS 310 T 114
CS 323 T 114
CS 6 A 113
CSV 321 120
CSV 640 121

D

D 2 27
D 4 LED 26
D 9 25
DAC 111 V2 15
DIGILINE 8 6
DIGILINE MX 6
DM 1000 80
DM 300 75
DM 350 75
DM 46 74
DM 56 75
DM 66 75

E

ER 226 115
ER 332 S 115
ER 55 SF 115
ER 56 S 115
ER 66 S 115

G

GOLF 2.1 76

H

HM 100 86
HomeAMP 90

I

IC 4 PRO 102
IC 4 PRO R 102
IC 50 T 105
IC 511 T 104
IC 5 S 106
IC 60 T 105
IC 611 T 104
IC 6 PRO 102
IC 6 PRO A 103
IC 6 S 106
IC 80 T 105
IC 811 T 104
IC 8 S 106
IM 1 84

MODEL PAGE

M

MINO 10 58
MINO 12 60
MINO 12 A 61
MINO 15 60
MINO 15 A 61
MINO 18 A-L 61
MINO 6 58
MINO 8 58
MMX 60 39
MMX 65 38
MSH 30/BT 112
MULTIPLAYER 2 29
MX 61 39

N

NEO 4 40
NEO 5 40
NEO 5 A 40
NEO 6 40
NEO 6 A 40

P

PA 120/2 98
PA 150 CD MP3 101
PA 190 97
PA 240 97
PA 25 99
PA 40/2 99
PA 40 CA 100
PA 4100 95
PA 50 99
PA 5000 96
PA 5506 94
PA 60/2 98
PA 8000 RC 100
PA 90 CD 100
PA 9500 CDT 101
PH 10/BT 116
PH 15/BT 116
PH 30/BT 116

Q

QMAX 152 16
QMAX 231 16
QMAX 302 16

R

RACK WPL CASE 1 49
RACK WPL CASE 5 49
RAW 100 89
RAW 50 89
RCS 001 108
RCS 002 108
RCS 003 108
RCS 204 108
RCS 303 107
RCS 303 BT 107
RCS 403 PRO T 107
REAL DJ 30

S

SC 10 AH 118
SC 15 AH 118
SC 30 AH 118
SET DM 44 74
SET DM 50 74
SH 3100 S 70
SH 3150 B 70
SH 3200 S 70
SH 3300 70
SH 606 70
SION 20 34
SION 30 34
SION 30 USB 36
SION 4 34
SION 40 USB 36
SLA 100 92
SLA 200 92
SLA 50 92
SP 1600 13

MODEL PAGE

SP 2800 13
SP 750 13
SP 950 13
SPB 1 E 71
SPB 2 E 71
SPB 3 E 71
SPB 4 E 71
SPB 5 71
SPB 6 72
SPB 7 72
SPB 8 72
SPB mini 71
SP MAX 1700 11
SP MAX 2800 11
SP MAX 3600 11
STUDIO 20 Line 43
STUDIO 30 Line 43
STUDIO 40 A 44
STUDIO 40 Line 43
STUDIO 50 A 44
STUDIO 50 Line 43

T

TC 10 AH 117
TC 15 AH 117
TC 30 AH 117

U

UBM 2 79
USB LED 26
USM 10 78
USM 4 78
USM 5 78

V

V 500 70
V 501 70
VCR 601 111
VCR 602 111

W

WAD 800 89
WD 416 20
WD 421 20
WD 9 IOC 25
WE 10 84
WE 1160 AF 86
WE 6 83
WEF 1010 19
WHS 45 S 112
WM 1160 AF 86
WM 250 84
WM 4160 AF 88
WND 6 B 52
WND 6 W 52
WND 8 B 52
WND 8 W 52
WPA 6400 23
WPA 6600 23
WPE 7000 18
WPL 1 48
WPL 1 A 48
WPL 1 BAG 49
WPL 5 48
WPL 5 A 48
WPL 5 BAG 49
WPL BASS 48
WPL BASS A 48
WPL in 48
WPL in A 48
WPL in BAG 49
WPRO 15 64
WPRO 215 64
WPRO 218 S 64
WR 404 87
WRD 1160 AF 86
WRD 250 84
WRD 4160 AF 88
WRD 80 83
WS 1000 46
WS 1200 46
WS 1500 46
WSE 81 24
WX 10 54

MODEL PAGE

WX 12 54
WX 15 54
WX 18 55
WX 215 55
WXP 10 10
WXP 3 10
WXP 5 10
WXP 7 10

X

XLR LED 26
XLR LIGHT 27
XP 10 PRO 77
XP 20 PRO 77
XPB 2 77
XS 1000 PRO 80
XS 1010 PRO 80
XS 111 PRO 76
XS 1400 PRO 82
XS 1500 PRO 81
XS 1550 PRO 81
XS 2000 PRO 82
XS 211 PRO 76
XS AD 1 80
XS AD 2 80
XS AD 3 80

Z

ZENITH 1300 12
ZENITH 1800 12
ZENITH 2400 12
ZENITH 600 12
ZEUS 3 68
ZEUS 5 68
ZEUS 8 69

NOTES

NOTES