

New Products 2014
ADVANCE



PROFESSIONAL AUDIO

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M SERIES



M 360 / M 720 / M 1400

This power amplifier series allows integrate a professional capacities product inside a 1 HU 19" compact and strong enclosure.

It has mode selector (Stereo/Bridge) and Ground lift. The cooling process using fans, allow operate these amplifiers in full performance during extended time.

In the protections section, its inner circuitry protects the unit against short-circuits, over-temperature, DC output and VHF signal.

Features

- Power amplifiers 2x100W - 2x300W (@ 4Ω)
- Mode selector (Stereo//Bridge)
- Ground lift switch.
- Soft-Start and Limiter functions.
- Thermal protection, short-circuit, output DC, VHF signal
- Balanced/unbalanced inputs
- Cooling through fans with continuous cycle



TECHNICAL DATA	M 360 / M 720 / M 1400
Channel number:	2
4Ω stereo power output:	2x 100W (M360), 2x 200W (M720), 2x 300W (M1400)
8Ω bridge power output:	200W (M360), 400W (M720), 600W (M1400)
Frequency response:	20 Hz . 20 kHz +/- 0.5 dB
THD+N:	0.05%
S/N Ratio:	100 dBA
SMPTE:	0.05%
Damping factor:	> 200 (5Hz - 1 kHz)
Input impedance:	20kΩ (balanced)
Input sensitivity:	1V
Rear panel connectors:	2x NEUTRIK XLR 3 / Jack ¼" (Input) NEUTRIK Speakon /Binding Post (Output).
Protections:	Overheat, shortcircuit, DC, VHF.
Power supply:	AC 115/230V 50/60Hz (selectable)
Dimensions: (WxHxD):	483 44 x 180 mm
Peso:	3.2 kg

 Rear Panel



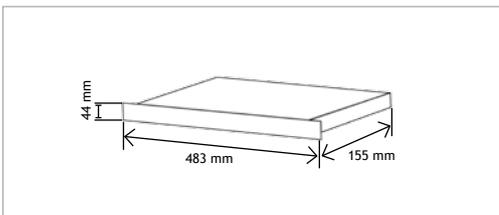

MMP 4

MMP 4 / MMP 5

MMP 4 is a dual player for audio files from external devices such as USB sticks or SD / MMC cards. Due to the device has two players on the same unit, it is very suitable for DJ applications, to have full control of each playback.

Each player features an USB port and a slot for SD / MMC card to playback MP3 files. Its display with 18x2 characters, shows information about the track played, its ID tag, elapsed playing time, etc.. It also incorporates repeat functions, both of the running track as of the entire disc. It incorporates 5 EQ prefixed presets accessible from the front side and shown on screen (NORM, ROCK, POP, CLASS, COUNT).

For connection to an amplification system, each player incorporates balanced and unbalanced output connectors.



Features

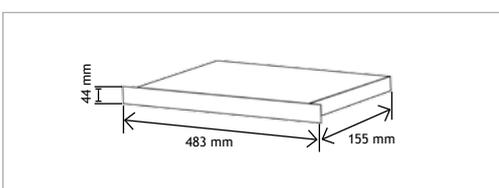
- Dual Player for audio files in MP3 format.
- USB port and slot for SD / MMC card.
- 18x2 character LCD display.
- Read ID tag.
- REPEAT (single track or all tracks) function.
- EQ function with 5 equalization prefixed levels.
- Volume control.
- Balanced and unbalanced outputs.
- Power supply: 220V AC 50/60 Hz
- Dimensions: 483 x 44 x 155 mm.
- Weight: 2,3 kg.

MMP 5

MMP 5 can play MP3 audio files from external devices through its USB port and its SD/MMC slot. It includes 2 REPEAT modes (one track / all tracks). Its L18x2 characters LCD display shows the track information, its ID tag and its the reproduction time. Includes 5 preset equalization configurations (NORM, ROCK, POP, CLASS, COUNT) accessible from the front panel.

It also has 2 frontal inputs: one MIC with COMBI and another AUX input, besides of its rear LINE level input, all of them with their own volume control. The AUX input has priority over the USB/SD interface.

It has one volume control and two tone controls (bass/treble) for general the mix. Output signal can be made by its double connection (balanced & unbalanced).



Features

- MP3 audio files player.
- USB port and SD/MMC card slot.
- LCD display with 18x2 characters.
- ID tag reading.
- REPEAT operating mode (one track / all tracks)..
- EQ operating mode with 5 preset equalization levels.
- Volume general control.
- Additional inputs MIC, AUX and LINE with independent volume control s.
- Tone controls (bass/treble).
- Balanced & unbalanced output.
- Power supply: 220V AC 50/60 Hz.
- Dimensions: 483 x 44 x 155 mm.
- Weight: 2,4 kg.

MM Series



MM 804 E USB / MM 1204 E USB / MM 1604 E USB

MM 1604 E USB



MM 804 E USB



MM 1204 E USB

The new MM Series is a new breakthrough in MARK mixers as they now incorporate a player for audio files (MP3 format) with integrated display to select the desired track and a DSP with a wide range of digital effects, easily selectable with its intuitive system menu .

Furthermore, these new mixers integrate 2 auxiliary bus , one pre / post selectable . Each channel has a three-band EQ , and a 75Hz high pass filter to prevent noises .

All mono channels support line signal (balanced and / or unbalanced) and micro, with the possibility of phantom power to the mic channels via a switch.

In addition, each channel has a SOLO function selector. The main section control with separate master faders for STEREO L and R , besides the MASTER section, the mixers also integrate two independent subgroup faders. The integrated 24 bit DSP allows the selection of a wide range of effects (up to 256) , which can be selected very easily with system menu as rotary and push button with a large LCD display.

The MP3 player allows two types of devices: USB drives or SD memory cards. The control is done with common buttons play / pause, rewind, forward, etc. and a display indicates that track is selecting or playing. This player is very useful for many occasions as, for example, may serve to trigger audio tracks in the previous environment of a live performance or a corporate event, allowing you to not have to carry a player only for this use.

Depending on the number of channel, the series consists of 3 models are:

MODEL	MONO CHANNELS	STEREO CHANNELS
MM 804 E USB	4	2
MM 1204 E USB	8	2
MM 1604 E USB	12	2



MM 1204 E USB. Wings for 19" HU rack format (for MM 1204 E USB model only).

Features

- 3 different configurations available (depending on number of inputs)
- Integrated MP3 player with USB and SD ports
- 24 Bits DSP with up to 256 effects
- Phantom power for microphone channels
- 2 Subgroups
- SOLO function
- L & R independent master control



MM Series

☑ Rear Panel



2 L&R submasters outputs with individual fader.



MM 1604 E USB



USB port and slot for SD cards. They allow to load external audio files. Display with information about the played track.



24 bits built-in DSP.



☑ Rear Panel



MM 804 E USB



MM 1204 E USB

TECHNICAL DATA	MM 804 E USB	MM 1204 E USB	MM 1604 E USB
Input channels:	4 mono + 2 stereo.	8 mono + 2 stereo.	12 mono + 2 stereo.
Type:	Electronically balanced.	Electronically balanced.	Electronically balanced.
Bandwidth:	10 Hz to 200 kHz +- 3 dB.	10 Hz to 200 kHz +- 3 dB.	10 Hz to 200 kHz +- 3 dB.
Distortion (THD+N):	0,005 %.	0,005 %.	0,005 %.
MIC:	-134 dB, 0 Ω.	-134 dB, 0 Ω.	-134 dB, 0 Ω.
Mic E.I.N. (20 Hz - 20 kHz):	-131 dB, 50 Ω. -129 dB, 150 Ω.	-131 dB, 50 Ω. -129 dB, 150 Ω.	-131 dB, 50 Ω. -129 dB, 150 Ω.
Max. Input Level:	+12 dBu @ +10 dB. -10 dB a +40 dB.	+12 dBu @ +10 dB. -10 dB a +40 dB.	+12 dBu @ +10 dB. -10 dB a +40 dB.
Gain Range:			
Impedance:	20 kΩ bal./10 kΩ unbal.	20 kΩ bal./10 kΩ unbal.	20 kΩ bal./10 kΩ unbal.
Max. Input Level:	+30 dBu.	+30 dBu.	+30 dBu.
EQUALIZATION:			
Treble:	12 kHz +- 15 dB.	12 kHz +- 15 dB.	12 kHz +- 15 dB.
Middle:	2,5 kHz +- 15 dB.	2,5 kHz +- 15 dB.	2,5 kHz +- 15 dB.
Bass (High Pass filter):	80 Hz+-15 dB.	80 Hz+-15 dB.	80 Hz+-15 dB.
Crossover:	-3 dB @ 75 Hz, 18 dB/oct.	-3 dB @ 75 Hz, 18 dB/oct.	-3 dB @ 75 Hz, 18 dB/oct.
MASTER SECTION:			
MAIN Output:	240 kΩ bal./120 kΩ unbal./+28 dBu.	240 kΩ bal./120 kΩ unbal./+28 dBu.	240 kΩ bal./120 kΩ unbal./+28 dBu.
CTRL Output:	120 kΩ unbal./+22 dBu.	120 kΩ unbal./+22 dBu.	120 kΩ unbal./+22 dBu.
Headphone Output:	+19 dBu / 150 kΩ.	+19 dBu / 150 kΩ.	+19 dBu / 150 kΩ.
Power supply:	115-240 V AC 50 Hz.	115-240 V AC 50 Hz.	115-240 V AC 50 Hz.
Dimensions (W x H x D):	247 x 320 x 95 mm.	355 x 320 x 95 mm.	465 x 320 x 105 mm.
Weight:	3,19 kg.	4,15 kg.	5,11 kg.

MX 8300



MX 8300



This powered mixer with 8 inputs is a compact solution in mobile installations where the mounting time must be minimum and require control of each connected sources.

Each of the 8 MIC / LINE inputs incorporates controls for bass / treble, volume and internal effect. In addition to these inputs, the device includes an USB / SD interface for executing MP3 files from external devices.

Its high-contrast LCD display shows track information and running time. In the Master section, MX 8300 integrates a 5-band graphic equalizer and internal effect with reverb, echo and delay control, also, it allows connection of an external effect on the mix bus.

Features

- 8 MIC/LINE channels self-powered mixer
- Power output: 150W + 150W @ 4 ohm
- Tone controls HI/LOW on each channel
- Volume control and effect on each channel
- USB/SD interface for MP3 file playback
- High-contrast LCD display with information about execution
- Inner effect with Reverb, Echo and Delay
- TAPE IN/TAPE OUT connection
- 5-bands graphic equalizer in the Master section
- Amplifier cooled through fan
- Enclosure made of Wood with strong handle and metallic corners.

MODEL	MX 8300
Input Channels	8x MIC/LINE Channels
Type	Balanced/unbalanced
Input Impedance	10k Ω / 600 Ω -20 dBu
Tone Controls	HI/LOW (\pm 15 dB)
Power Output	150W + 150W RMS @ 4 Ω
CD/TAPE Input	10 Ω , - 20 dBu
REC Output	1 k Ω , - 10 dBu
Interface	USB/SD for MP3 files
Power supply	AC 115/230V 50/60 Hz
Dimensions (W x H x D)	450 x 205 x 270
Peso	9.1 kg.



MBS COMBO 500

MBS COMBO 500



Features

- Portable and self-powered system composed by:
- 2 loudspeakers made of ABS plastic
 - 10" woofer and 1" driver (each one)
- Mixer/amplifier module
 - 4 mono MIC/LINE inputs
 - Tone controls + volume + echo
 - 2 additional stereo inputs
 - Interface for MP3 files playback (USB/SD)
 - Internal echo with gain control and reverb tempo
 - Monitor output
 - Headphones output
 - Power output 150W+150W @ 4Ω

This portable and self-powered system, includes, in an easy transport format, the necessary elements to use it in touring appliances where the fast assembly must be one of the main requirements, facilitating their use and handling by one person.

The system is made of high resistance ABS plastic. It is composed of two loudspeakers with two-ways (one 10" woofer and one 1" compression driver). The rear panel of these loudspeakers is removable, incorporating, one of them, the mixer/amplifier and the other an enclosure to place the microphone and cables needed.

The mixer/amplifier module disposes of 4 input channels (MIC/LINE) with their own tone controls (low/high), volume control and effect level. Besides, the mixer includes two stereo inputs through RCA and fully controllable.

Together these inputs, the device incorporates a MP3 files player through USB port and slot for SD card. Its large format and bright display allows to check the played track.

Other controls and additional functions to highlight are monitor output, headphone connection, and built-in echo with the possibility to manage the level and tempo of the reverb applied to the mix.

The complete mix passes to amplified module, able to offer up to 150W+150W @ 4Ω. A power output perfectly adecute to the incorporated loudspeaker and that allow to obtain excellent results in touring applications, schools, speeches, etc.

Serie MPM



MPM 8302 USB / MPM 16352 USB



MPM 16352 USB



MPM 8302 USB



Built-in DSP with 16 variations. Display information of the played track in USB / SD port.



USB port and SD card slot. Allow loading external audio files.

MPM is the powered mixers series of MARK composed of 2 models : MPM 8302 USB and MPM 16352 USB, which offer a wide range of possibilities thanks to the functions that are integrated into the console, such as a MP3 player, DSP effects ,7 bands stereo graphic equalizer and, of course, a built-in amplifier which power output depends on the model .

Each channel integrates a three-band EQ , plus a high-pass filter of 75 Hz to prevent noise. Besides, each one admits MIC as well as LINE level input.

In addition, each channel has PFL selector function. The main section allows to control STEREO master with separated L&R faders, plus fader effect. The integrated DSP allows the selection of a wide range of effects , all showed via LCD display.

The MP3 player allows two types of devices : USB drives or SD memory cards . The control is done with common buttons play / pause, rewind , forward, etc. and a display indicates which track is selected or is being played. This player is very useful for many occasions as, for example, may serve to trigger audio tracks in a live performance or a corporate event, allowing you to not carry an additional player for this use.

The advantage of powered mixers is obviously , the possibility to have it all in one device, mixer, amplifier, equalizer, effects and, now also an integrated MP3 player system. Therefore, the MPM series is the most complete mixer range .

Depending on the number of channels and power output , there are 2 models are:

MODEL	CHANNELS	POWER OUTPUT (@ 4 Ω)
MPM 8302 USB	8	2x300 W
MPM 16352 USB	16	2x350 W





MPM Series

▼ Rear Panel



MPM 16352 USB



MPM 8302 USB

Features

- 2 configurations available (8 and 16 channels).
- Integrated Amplifier 2x300W (8302) 2x350W or (16352).
- Built-in MP3 Player with USB and SD inputs.
- Integrated DSP effects with LCD display.
- PFL function.
- Independent L&R master control.
- 7-band stereo graphic equalizer.

TECHNICAL DATA	MPM 8302 USB	MPM 16352 USB
Input channels:	8 mono.	16 mono.
Type:	Electronically balanced.	Electronically balanced.
Bandwidth:	10 Hz to 60 kHz +- 3 dB.	10 Hz to 60 kHz +- 3 dB.
Distortion (THD+N):	0,01 % a + 4dBu, 1 kHz, Bandwidth 80 kHz.	0,01 % a + 4dBu, 1 kHz, Bandwidth 80 kHz.
MIC:		
Mic E.I.N. (22 Hz - 22 kHz):	- 129,5 dBu, 150 Ω. - 117,3 dBuqp, 150 Ω. - 132,0 dBu - 122,0 dBuqp	- 129,5 dBu, 150 Ω. - 117,3 dBuqp, 150 Ω. - 132,0 dBu - 122,0 dBuqp
TRIM range:	+ 10 dB to + 60 dB.	+ 10 dB to + 60 dB.
LINE:		
Gain range:	+ 10 dB to + 60 dB.	+ 10 dB to + 60 dB.
EQUALIZATION:		
Treble:	12 kHz + 15 dB.	12 kHz + 15 dB.
Middle:	100 Hz - 8 kHz+- 15 dB.	100 Hz - 8 kHz+- 15 dB.
bass (High pass filter):	80 Hz+-15 dB.	80 Hz+-15dB.
Crossover:	-3 dB @ 75 Hz, 18 dB/oct.	-3 dB @ 75 Hz, 1 8dB/oct.
MASTER SECTION:		
MAIN output:	+22 dBu balanced	+22 dBu balancead.
Aux Send output:	+22 dBu unbalanced.	+22 dBu unbalanced..
CTRL output:	+22 dBu unbalanced.	+22 dBu unbalanced..
S/N ratio:	112 dB.	112 dB.
Power output:	2 x 300 W (4 Ω).	2 x 350 W (4 Ω).
Power supply:	115-240V AC 50 Hz.	115-240V AC 50 Hz.
Dimensions (W x H x D):	485 x 455 x 460 mm.	750 x 455 x 160 mm.
Weight:	12,8 Kg.	16,8 Kg.



MP Series Passive



MP 215 / MP 15 / MP12 / MP 18



MP is the new loudspeaker series made of high density plywood. It has a wide range of devices in passive and active configuration, allowing for multiple options for the sound of all kinds of venues, from small rooms, meeting rooms, stages and portable systems.

Its high quality transducers ensure optimum performance. Manufacturing wood protects these devices against the continuous movement during the assembly/disassembly process or during the transport being it a robust element.

The series consists of two-way loudspeakers (one with double 15" woofer) and subwoofer reinforcement, both passive and active configuration.

All devices have insertion and strong handles for their comfortable handling.



Features

- Passive loudspeakers series
- Made of high density plywood
- 2-ways loudspeakers and subwoofer
- High resistance handles
- 35 mm insertions



TECHNICAL DATA		MP 215
Type	2-ways Passive	
Woofer	2x 15"	
Impedance	8Ω	
Tweeter	1.75"	
Impedance	8Ω	
Power Output (RMS)	800W	
Power Output (Peak)	1500W	
Frequency Response	55 Hz – 20 kHz	
Sensitivity	98 dB	
Max. SPL	128 dB	
Impedance	4Ω	
Connector	2 x XLN4	
Material	MDF	
Dimensions (W x H x D)	520 x 510 x 1230 mm	
Weight	47 kg	



TECHNICAL DATA		MP 15
Type	2-ways Passive	
Woofer	15"	
Impedance	8Ω	
Tweeter	1.75"	
Impedance	8Ω	
Power Output (RMS)	450W	
Power Output (Peak)	800W	
Frequency Response	55 Hz – 20 kHz	
Sensitivity	96 dB	
Max. SPL	124 dB	
Impedance	8Ω	
Connector	2 x XLN4	
Material	MDF	
Dimensions (W x H x D)	520 x 510 x 820 mm	
Weight	30 kg	



TECHNICAL DATA		MP 18
Type	Subwoofer	
Woofer	18"	
Impedance	8Ω	
Tweeter	-----	
Impedance	-----	
Power Output (RMS)	800W	
Power Output (Peak)	500W	
Frequency Response	20 Hz – 300 Hz	
Sensitivity	98 dB	
Max. SPL	128 dB	
Impedance	8Ω	
Connector	2 x XLN4	
Material	MDF	
Dimensions (W x H x D)	700 x 630 x 650 mm	
Weight	47 kg	



TECHNICAL DATA		MP 12
Type	2-ways Passive	
Woofer	12"	
Impedance	8Ω	
Tweeter	1.34"	
Impedance	8Ω	
Power Output (RMS)	350W	
Power Output (Peak)	500W	
Frequency Response	63 Hz – 20 kHz	
Sensitivity	94 dB	
Max. SPL	121 dB	
Impedance	8Ω	
Connector	2 x XLN4	
Material	MDF	
Dimensions (W x H x D)	420 x 420 x 660 mm	
Weight	22 kg	

MP Series Active



MP 15 AM / MP 12 AM / MP 18 AM



MP is the new loudspeaker series made of high density plywood. It has a wide range of devices in passive and active configuration, allowing for multiple options for the sound of all kinds of venues, from small rooms , meeting rooms, stages and portable systems .

Its high quality transducers ensure optimum performance. Manufacturing wood protects these devices against the continuous movement during the assembly/disassembly process or during the transport being it a robust element.

The active references integrate an amplifier module from 250W to 600W depending on model, with protection functions, tone control in the two-way models and high-pass filter, phase inverter in the active subwoofer.

All devices have insertion and strong handles for their comfortable handling.

Features

- Active loudspeakers series
- Made of high density plywood
- 2-ways loudspeakers and subwoofer
- 250W to 600W power amplifier (built-in active devices)
- High resistance handles
- 35 mm insertions



MP 12 AM / MP 15 AM



MP 18 AM



The amplifier module inside MP 18 AM incorporates full range output, high-pass filter output to feed mid/high loudspeakers and phase inverter.

TECHNICAL DATA	MP 12 AM	MP 15 AM	MP 18 AM
Type	2-ways active	2-ways active	Active subwoofer
Woofer	12"	15"	18"
Impedance	8Ω	8Ω	8Ω
Tweeter	1.34"	1.75"	-----
Impedance	8Ω	8Ω	-----
Power Output (RMS)	250W	300W	600W
Power Output (Peak)	400W	500W	1000W
Frequency Response	63 Hz – 20 kHz	55 Hz – 20 kHz	20 Hz – 300 Hz
Sensitivity	94 dB	96 dB	98 dB
Max. SPL	121 dB	124 dB	128 dB
Input Connectors	1 x XLR 3	1 x XLR 3	2 x XLR 3
Output Connectors	1x XLR 3	1x XLR 3	2x XLR 3
Material	MDF	MDF	MDF
Power Supply	AC 230V 50 Hz	AC 230V 50 Hz	AC 230V 50 Hz
Dimensions (W x H x D)	420 x 420 x 660 mm	520 x 510 x 820 mm	700 x 630 x 650 mm
Weight	26 kg.	35 kg.	54 kg.

MBS Serie 5



MBS 85 / MBS 105 / MBS 125 / MBS 155



- ### Features
- Passive loudspeakers molded in ABS plastic
 - 2-ways system
 - Power output between 200W and 400W (depending on model)
 - 35 mm insertion in the backside
 - Stacking system and rigging in the upper side
 - Recommended for touring applications

MARK introduces the renewed series of loudspeakers configured as passive and active format, expanding the possibilities of this competitive series.

Made of ABS injection plastic and with an elegant design, this series is particularly indicated for touring applications, joining a strong enclosure with a great portability, rigging hardware, stacking possibility and backside insertion tube.

This wide range offers in its passive configurations, loudspeakers with a power output between 200W and 400W, depending on the model, allowing to select the appropriate loudspeakers according to the installations needs.

TECHNICAL DATA	MBS 85	MBS 105	MBS 125	MBS 155
Elements	2 ways (8" woofer + driver with 1" titanium diaphragm)	2 ways (10" woofer + driver with 1" titanium diaphragm)	2 ways (12" woofer + driver with 1" titanium diaphragm)	2 ways (15" woofer + driver with 1" titanium diaphragm)
Power handling	200W (300W max.)	250W (400W max.)	350W (550W max.)	400W (750W max.)
Impedance	8Ω	8Ω	8Ω	8Ω
Frequency Response	72 Hz – 20 kHz	68 Hz – 20 kHz	63 Hz – 20 kHz	55 Hz – 20 kHz
Sensitivity	92 dB	93 dB	94 dB	96 dB
Max. SPL	115 dB	117 dB	119 dB	122 dB
Connectors	2 XLN4 (input and link)	2 XLN4 (input and link)	2 XLN4 (input and link)	2 XLN4 (input and link)
Dimensions (W x H x D)	314 x 465 x 270 mm	390 x 575 x 350 mm	430 x 650 x 375 mm	495 x 760 x 435 mm
Weight	7 kg	10 kg	14 kg	18 kg





MBS A USB/ Serie 5

MBS 85 A USB / MBS 105 A USB / MBS 125 A USB / MBS 155 A USB



MBS 155 A USB

MBS 125 A USB

MBS 105 A USB

MBS 85 A USB



MBS 105 A USB
MBS 85 A USB

MBS 155 A USB
MBS 125 A USB

The active models of this series incorporate a power amplifier between 80W to 400W and certain number of MIC/LINE inputs, depending on the model and tone controls. Besides this inputs, the amplifier integrates a MP3 files interface, able to playback files via USB port and SD card slot. The track information is showed in the high contrast LCD display. The preamp output allows to connect an additional passive loudspeaker.

Features

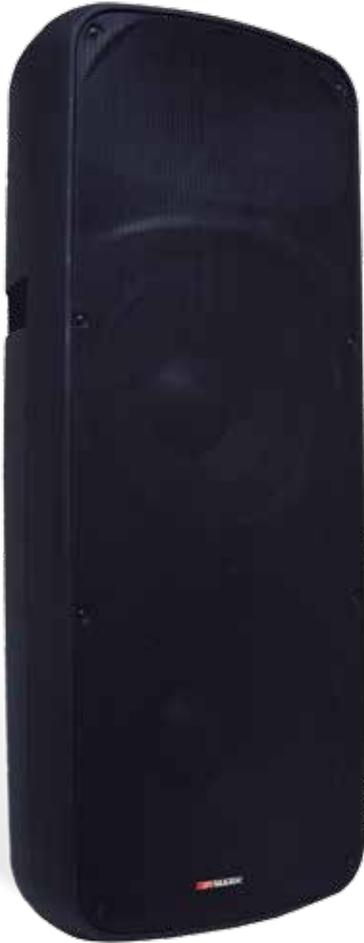
- Self-powered loudspeakers molded in ABS plastic
- Built-in power amplifier
- Power output between 80W and 400W (depending on model)
- MP3 files players with USB port and slot for SD cards
- Additional inputs MIC/LINE (number of inputs depending on the model)
- Tone control
- Preamp output
- 35 mm insertion in the backside
- Monitor position possibility
- Stacking system and rigging in the upper side
- Recommended for touring applications

TECHNICAL DATA	MBS 155 USB	MBS 125 USB	MBS 105 A USB	MBS 85 A USB
Elements	2 ways (15" woofer + driver with 1" titanium diaphragm)	2 ways (12" woofer + driver with 1" titanium diaphragm)	2 ways (10" woofer + driver with 1" titanium diaphragm)	2 ways (8" woofer + driver with 1" titanium diaphragm)
Power Output	180W (350W max.) @ 8 Ω	150W (300W max.) @ 8 Ω	100W (200W max.) @ 8 Ω	80W (150W max.) @ 8 Ω
MP3 Interface	USB Port and slot for SD Card	USB Port and slot for SD Card	USB Port and slot for SD Card	USB Port and slot for SD Card
Frequency Response	55 Hz – 20 kHz	63 Hz – 20 kHz	68 Hz – 20 kHz	72 Hz – 20 kHz
Tone Controls	LO/HI ±15 dB	LO/HI ±15 dB	LO/HI ±15 dB	LO/HI ±15 dB
Input connectors	2x RCA – 1x Jack ¼" – 2x XLR3	2x RCA – 2x Jack ¼" – 2x XLR3	2x RCA – 1x Jack ¼" – 1x XLR3	2x RCA – 1x Jack ¼" – 1x XLR3
Output Connectors	1x Jack ¼" (link) – 1x XLR3	1x Jack ¼" (link) – 1x XLR3	1x Jack ¼" (link)	1x Jack ¼" (link)
Power Supply	AC 115-230V 50/60 Hz	AC 115-230V 50/60 Hz	AC 115-230V 50/60 Hz	AC 115-230V 50/60 Hz
Dimensions (W x H x D)	495 x 760 x 485 mm	430 x 650 x 375 mm	390 x 575 x 350 mm	314 x 465 x 270 mm
Weight	21 kg	8.5 kg	12 kg	8.5 kg

MBS Series



MBS 6215 / MBS 6215A USB



MBS 6215 A USB
MBS 6215

This loudspeaker complements the MBD loudspeaker series with two references (active and passive) that incorporate a two-way system consisting of two 15" speakers and 1.75" titanium diaphragm driver.

Both devices are made of very hard ABS plastic injection, forming a sturdy device that can be used in applications such as sound reinforcement touring or indoor events: conference, live performances, etc.

The active device (MBS 6125 A USB) incorporate a 600W power amplifier and an USB/SD interface for playback MP3 files. The track information is showed in the LCD display.

Beside, the amplifier includes two inputs: 1 MIC level and another LINE level with its own volume control and general tone and gain control. The device includes also, a preamp output to feed another device.

Features

- Loudspeakers made of high strength ABS plastic
- 2 models: Active (MBS 6215 A USB) and passive (MBS 6215)
- Composed of two 15" woofers and 1.75" motor with titanium diaphragm
- Suitable for touring applications and indoor events

* Active Model also includes:

- USB / SD Interface for MP3 file playback
- 600W Power Amplifier
- Mic and LINE inputs
- Tone Controls

☑ Rear Panel



MBS 6215 A USB

TECHNICAL DATA	MBS 6215
Elements	2 ways (2x 15" woofer + driver with 1" titanium diaphragm)
Power Output	600W @ 8 Ω
Frequency Response	30 Hz – 19 kHz
Sensitivity	125 dB ± 2 dB
Max SPL	135 dB
Dimensions (W x H x D)	1090 x 400 x 340 mm.
Weight	23 kg

TECHNICAL DATA	MBS 6215 A USB
Elements	2 ways (2x 15" woofer + driver with 1" titanium diaphragm)
Power Amplifier	600W @ 8 Ω
Frequency Response	30 Hz – 19 kHz
Tone Controls	LO/HI ±15 dB
Max SPL	130 dB
Input connectors	2x RCA – 2x XLR3
Output Connectors	1x XLR3 (link)
Power Supply	AC 115-230V 50/60 Hz
Dimensions (W x H x D)	1090 x 400 x 340 mm.
Weight	28 kg



MBD Series

MBD 412 A USB / MBD 415 A USB

This loudspeakers series is made of high resistance ABS plastic and they extend the self-powered loudspeakers range, adding two references that include a large number of features, as much acoustic enclosure as amplifier module, that make them highlight.

By one side, the high dense injection plastic used in these loudspeakers, allow a strong loudspeakers and, together their grille, to offer an innovative element.

Their 2-ways system, integrate one 12" woofer and one 1.35" compression driver (MBD 412 A USB) and one 15" woofer and one 1.75" compression driver (MBD 415 A USB).

Both models incorporate a 400W power amplifier and a mixer with 2 inputs (1 LINE and another MIC/LINE). Also, they have a MP3 files player through USB port and slot for SD card. In their big dimensions display, we can see the playing track information. The amplifier includes CONTOUR function, which is able to enhance the equalization level. Besides, it integrate preamp output for an additional loudspeaker in passive format.



MBD 412 A USB

MBD 415 A USB

☑ Rear Panel



Features

- Self-powered loudspeakers
- Made of high density ABS injection plastic
- 2 ways: 12" woofer + 1.35" driver (MBD 412 A USB) and 15" woofer + 1.75" driver (MBD 415 A USB)
- 400W power amplifier
- Mixer with 2 input channels (LINE + MIC/LINE)
- USB/SD interface for MP3 files playing
- Preamp output for passive loudspeakers connection
- CONTOUR function for equalization enhance

AMC 45



AMC 45



AMC 45 is a complete portable amplification system composed by a central unit and a wireless microphone.

The unit has a fixation point to place the unit in a stand and to use the remote controller in order to manage it. The central unit offer up to 18W power output and an USD/SD interface to playback and record audio files in MP3 format. The backlit display and the push buttons assure a quick navigation between folders in order to select the files. The amplification system is completed by a FM tuner and an AUX input, allowing to playback a vary contents.

For a better comfort, the central unit includes a ergonomic handle and can be hung out in shoulder. Finally, the device incorporates a lantern function with two powerful LEDs in white colour.



Features

- Portable amplifier. 18W RMS (up to 65W peak)
- Built-in Lithium battery
- Wireless microphone and remote controller included
- Bass/treble controllers and ECHO function for adjust the audio signal from the microphone.
- USB/SD interface for MP3 files playback/record purpose.
- Fixation point to place in a stand
- Backlit LCD display and pushbuttons for an easy navigation
- Pushbutton to switch on/off the backlit LCD
- Input AUX and output AUX
- Mini-jack input for external microphone
- Output for external loudspeaker (8 Ω)
- Strip for shoulder position and supply cable included
- Storage for cables and remote controller
- Lantern function



TECHNICAL DATA	AMC 45
Battery supply	Built-in Lithium battery (11,2V – 2,6 AH)
Power output	18 W RMS, 65 W peak
UHF range	80 m max.
Wireless channel	UHF 740-790 MHz
Frequency range	100-250V AC, 50/60 Hz, 1A
Main supply	313 x 213 x 174 mm
Dimensions	2 XLN4 (input and link)
Dimensions (W x H x D)	314 x 465 x 270 mm
Weight	7 kg



MPC Series

MPC 52 / MPC 110

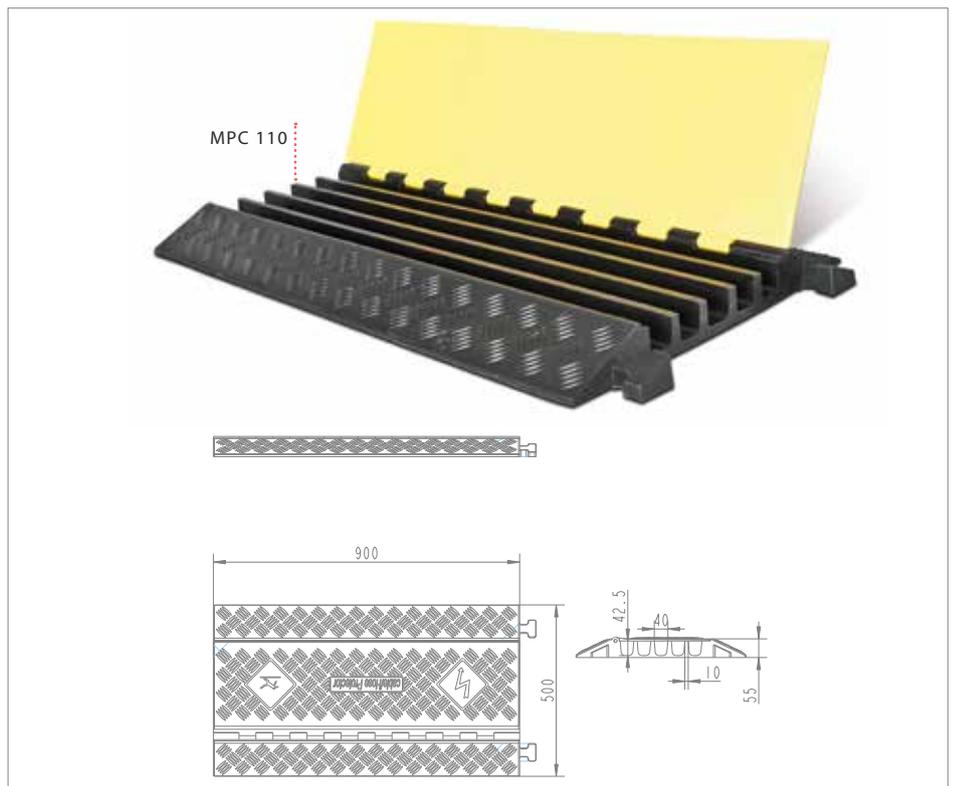
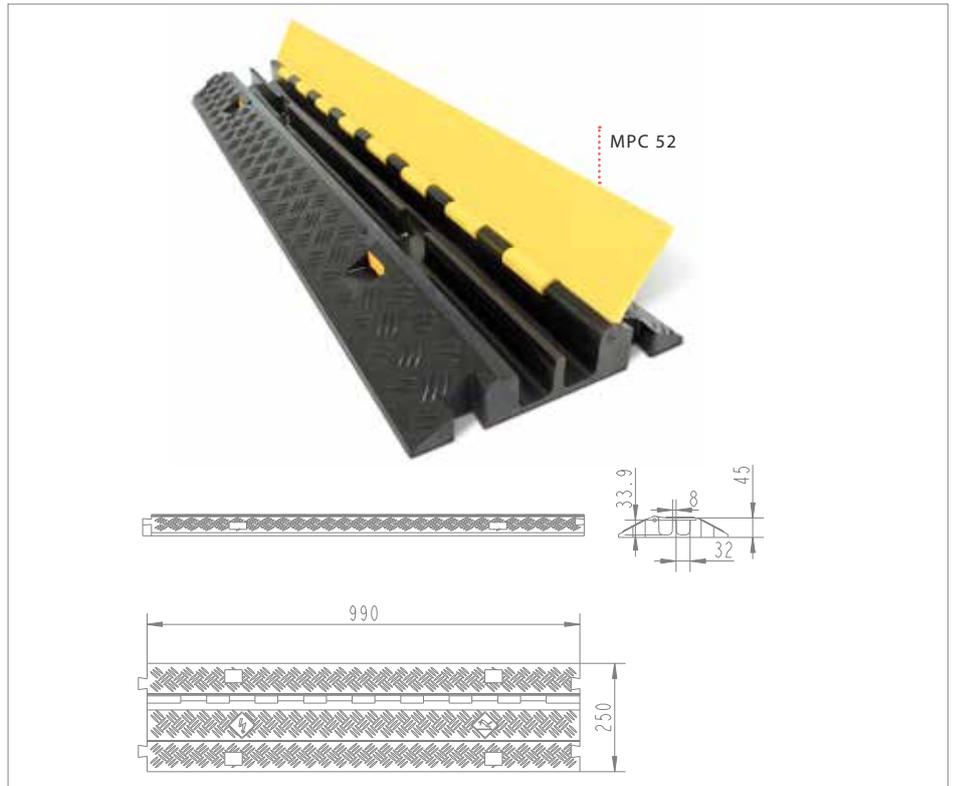
To help protecting cables in installations where these can be tread and pinched, we offer a cablecross series designed to protect them from any kind of external influence.

This cablecross series is made of high density polyurethane with antiskid texture. Their protective cover fit perfectly thanks to its hinge system.

Its flap system allows to extend the length of the cablecross to fit the installation's needs. This series incorporates two references, according to the number of lanes: MPC 52 with 2 lanes and MPC 110 with 5 lanes.

Features

- Cablecross series made of high density polyurethane
- Expandable system thanks to linkable flaps
- Two reference: MPC 52 (2 lanes) and MPC 110 (5 lanes)
- Loading capacity: MPC 52 (4500 kg.) / MPC 110 (5000 kg.)
- Dimensions: MPC 52 (990x250mm) / MPC 110 (900x500mm)
- Weight: MPC 52 (7.5 kg.) / MPC 110 (16 kg.)



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