

SAFETY INSTRUCTIONS

1. Read the instructions of this manual.
2. Keep these instructions in a safe place.
3. Heed all warnings.
4. Please, respect your country safety regulations.
5. Don't use this device close to the water or high humidity places. Clean only with dry cloth.
6. Don't install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
7. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
8. Only use attachments/accessories specified by the manufacturer.
9. Unplug this device during lightning storms or when unused for long periods of time.
10. The technical service is required when the device has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the device, doesn't operate normally or has been dropped.
11. To completely disconnect this device from the AC mains, disconnect the power supply cord plug from the AC receptacle.
12. **WARNING** – to reduce the risk of fire or electric shock, don't expose this device to rain or humidity.
13. Don't expose this equipment to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the equipment.

OVERVIEW

WIR 1 is a Wi-Fi audio receiver in the operating free band ISM 2.4 GHz which has two modes of operation: AP (Access Point) or STA (Station). Its XLR balanced output, its robust and metallic enclosure and its optimized antenna for a better coverage make it suitable for professional use.

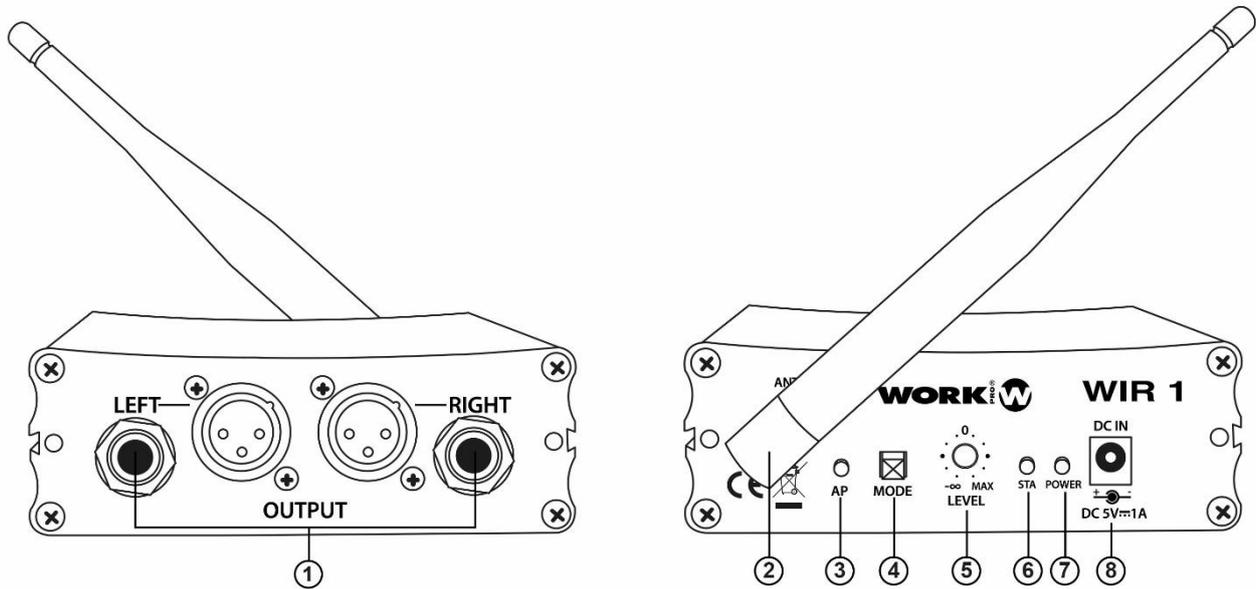
Features:

- Wi-Fi audio receiver.
- Operating Band ISM 2.4GHz (free band).
- AP (Access Point) and STA (station) modes supported.
- UPnP, DLNA and Airplay supported.
- 5dBi external antenna to increase the coverage area.
- Streams the audio from external devices (smartphones, tablets, PC, ...).
- Supports up to 24bit 192 kHz sample rate stream audio.
- Coverage area higher than 15 meters in AP mode. In STA mode it depends on the existing Wi-Fi network coverage.
- Balanced XLR and unbalanced ¼" jack outputs.
- Robust enclosure.

Technical Data:

Power Supply	DC 5V - 1A 50/60 Hz
Consumption	< 300 mA
Frequency	2404-2476MHz
Sampling frequency	192 kHz
Receive Sensitivity	-84dBm (min.)
Output Level	+0dBu
Frequency Response	20Hz – 19.5kHz, +3dB / -3dB
S/N	>85 dB
Dynamic Range @ 1 kHz	>85 dB
Crosstalk @ 1kHz	>90 dB
THD	<0.1%
Dimensions (WxHxD)	120x41x151 mm
Weight	360 g

INSTALLATION



1. Audio output connectors
Balanced XLR and unbalanced ¼" jack outputs.
2. Antenna
For an optimal operation, make sure that the antenna is not sheltered.
3. AP LED
This LED is lighted on when AP (Access point) mode is active (See ADVANCED USE section for additional information).
4. MODE selector
Press during 3-4 seconds to switch between both modes (AP or STA).
5. LEVEL
To control the output volume.
6. STA LED
This LED is lighted on when STA (Station) mode is active (See ADVANCED USE section for additional information).
7. POWER LED
This LED is lighted on when the device is connected from the external AC power supply.
8. DC Input
To connect the supplied external DC power supply.

ADVANCED USE

WIR 1 has two operation modes: AP Mode and STA Mode.

To change the operation mode, press and hold the MODE button for 3-4 seconds. Then, the AP LED or STA LED will light, depending on the selected mode.

AP MODE

In this mode **WIR 1** acts as an Access Point.

1. The external audio device (smartphone, tablet, PC...) has to search the Wi-Fi networks and connect to **"WIR1 Player_80A221"**, with password **87654321**.
2. In the audio player app of the external device select **"WIR1"** as the output device.

STA MODE

In this mode, **WIR1** works as a client device in an existing Wi-Fi network.

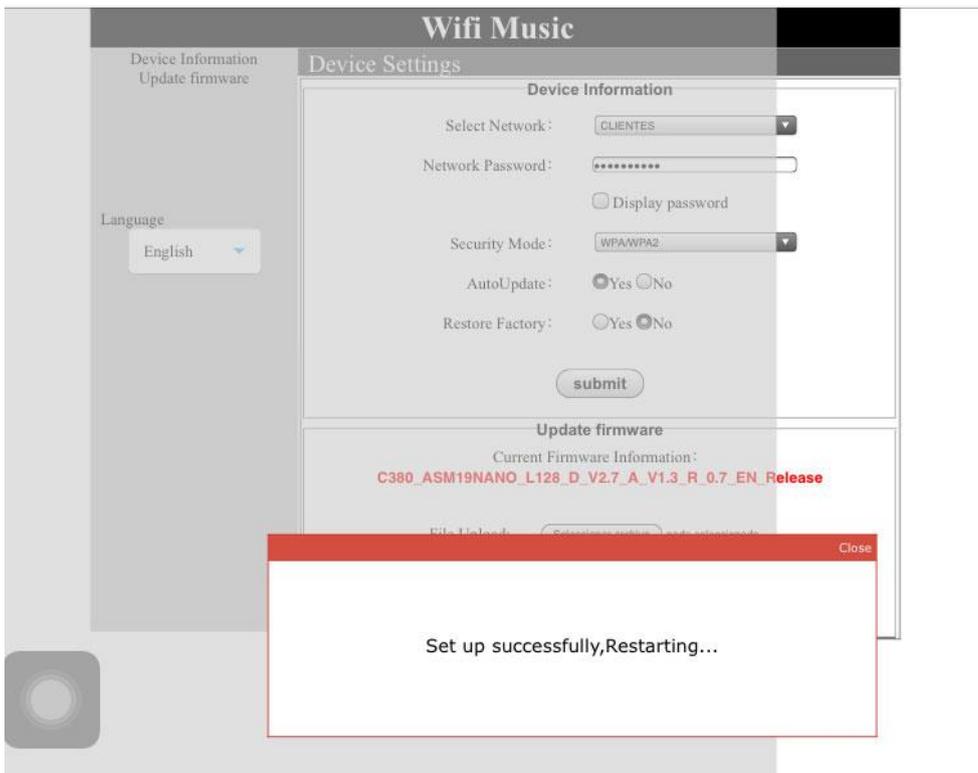
How to connect:

1. Select AP mode in the WIR1.
2. Connect the external device (tablet, smartphone, PC...) to the Wi-Fi network **"WIR1 Player_80A221"**.
3. In the external device open a browser and type <http://192.168.0.1> in order to access to the WIR1 webserver

The screenshot displays the 'Wifi Music' web interface. On the left, there is a sidebar with 'Device Information' and 'Update firmware' links, and a 'Language' dropdown menu set to 'English'. The main content area is titled 'Device Settings' and contains two sections:

- Device Information:** This section includes a 'Select Network' dropdown menu, a 'Network Password' text input field, a 'Display password' checkbox (unchecked), a 'Security Mode' dropdown menu (set to 'WPA/WPA2'), 'AutoUpdate' radio buttons (set to 'Yes'), and 'Restore Factory' radio buttons (set to 'No'). A 'submit' button is located at the bottom of this section.
- Update firmware:** This section shows 'Current Firmware Information' as 'C380_ASM19NANO_L128_D_V2.7_A_V1.3_R_0.7_EN_Release'. Below this is a 'File Upload' section with a 'Seleccionar archivo' button and the text 'nada seleccionado'. An 'Upload file' button is at the bottom.

4. Select the network name you would like to connect and type the password. After configuring, click on the submit button. The WIR1 will restart and the STA LED will light.



5. Connect the external device to the Wi-Fi network (the same Wi-Fi network to which WIR 1 has been connected in the previous step).
6. In the audio player app of the external device, select **“WIR1”** as the output device.

TROUBLESHOOTING

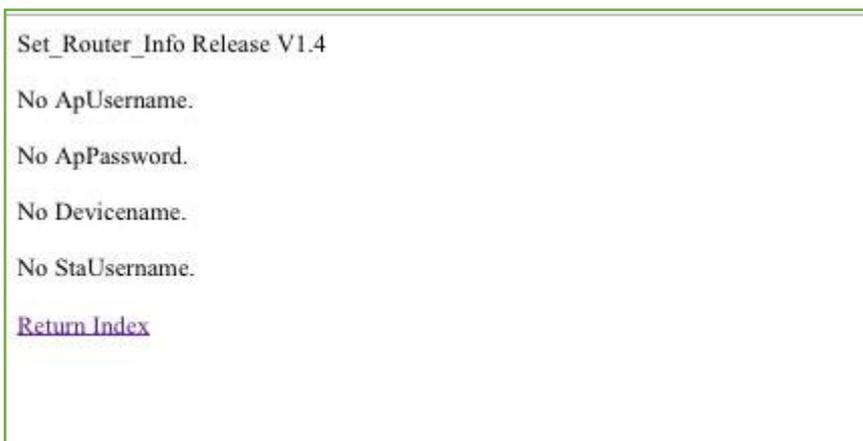
This short guide is meant to help and try to solve simple problems. If they continue and the device cannot operate, please, don't try to repair it by yourself, return the device to your WORK PRO dealer.

If a problem occurs, carry out the following steps in sequence until find the problem solved. If finally, the unit operates properly, don't continue with the next steps.

- If AP Mode does not operate check the following steps:
 1. The mode selected is AP (AP LED is lighted on)
 2. Make sure to select the network **"WIR1 Player_80A221"** in your external device (smartphone, tablet,...) to link both devices.
 3. Check the volume level in the external device and in the WIR1.

- If STA Mode does not operate check the following steps:
 4. Configure the WIR 1 in AP mode and access to the WIR1 webserver (Indicated in ADVANCED USE section)
 5. If the password introduced is not correct, when you try to select "WIR1" as output device in your external device (smartphone or tablet) the WIR 1 will not appear. In that case, repeat the point number 4 and check the correct password.

- If in STA Mode appears a different screen accessing to webserver:
 6. If you try to access to WIR 1 webserver and it shows the next screen:



Click on the "Return Index" line

INDICACIONES DE SEGURIDAD

1. Lea detenidamente las siguientes instrucciones.
2. Guarde en un lugar seco y seguro este manual.
3. Respete todas las advertencias.
4. Respete las regulaciones de seguridad de su país.
5. No use este dispositivo cerca del agua o zonas altamente húmedas. A la hora de limpiarlo, utilice un paño seco.
6. No instale el dispositivo cerca de ninguna fuente de calor o fuego tales como calefactores, estufas o incluso amplificadores que produzcan calor.
7. Proteja el cable de alimentación para no ser pisado o manipulado.
8. Únicamente utilice accesorios especificados por WORK PRO.
9. Desenchufe el dispositivo si no va a ser utilizado en largos periodos de tiempo.
10. El dispositivo será reparado por el servicio técnico oficial cuando esté dañado, el cable esté deteriorado o el conector esté estropeado, o si el dispositivo ha sufrido contacto con líquidos o no opera correctamente.
11. Para desconectar totalmente la unidad de la red eléctrica principal, desconecte el cable de la propia red eléctrica.
12. ATENCIÓN. Para reducir el riesgo de fuego o shock eléctrico, no exponga este dispositivo bajo la lluvia o la humedad.
13. No exponga este equipo a la lluvia, la humedad, goteo o salpicaduras y no coloque objetos llenos de líquidos, como vasos, sobre el mismo.

DESCRIPCIÓN GENERAL

WRI 1 es un receptor de audio Wi-Fi que opera en la banda de ISM 2.4 GHz que dispone dos modos de funcionamiento: AP (Access Point) o STA (station). Su salida XLR balanceada, su chasis robusto y su antena optimizada para una mayor cobertura lo hacen ideal para uso profesional.

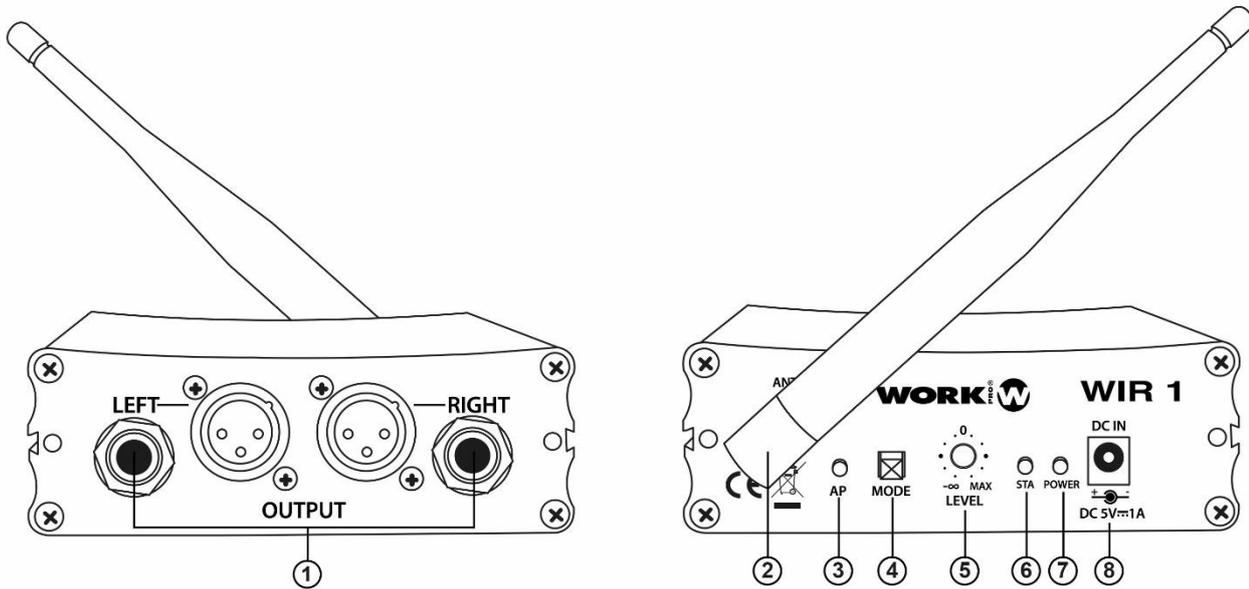
Características:

- Receptor de audio Wi-Fi.
- Banda de operación ISM 2.4GHz.
- Modos de funcionamiento: AP (Access Point) o STA (station)
- Soporta UPnP, DLNA y Airplay.
- Permite transmitir audio desde un dispositivo externo (smartphone, tablet, PC...)
- Antena externa de 5 dBi para incrementar el área de cobertura.
- Soporta hasta 24 bit 192 kHz de frecuencia de muestreo de streaming de audio.
- Area de cobertura mayor de 15 metros (modo AP). En modo STA depende de la cobertura de la red Wi-Fi existente.
- Salidas XLR balanceada y ¼" jack desbalanceada.
- Chasis robusto.

Datos Técnicos:

Alimentación	DC 5V-1A 50/60 Hz
Consumo	< 300 mA
Frecuencia	2404-2476MHz
Frecuencia de muestreo	192 kHz
Sensibilidad de recepción	-84dBm (min.)
Nivel de salida	+0dBu
Respuesta en frecuencia	20Hz – 19.5kHz, +3dB / -3dB
S/N	>85 dB
Rango Dinámico @ 1 kHz	>85 dB
Crosstalk @ 1kHz	>90 dB
THD	<0.1%
Latencia	20 ms
Dimensiones (AnxAlxPr)	120x41x151 mm
Peso	360 g

INSTALACIÓN



1. Conectores de salida de Audio
Salida XLR balanceada y jack ¼" desbalanceada.
2. Antena
Para que el funcionamiento sea óptimo asegúrese de que ésta no esté obstruida o desconectada.
3. LED AP
Este LED se ilumina cuando el modo AP está activo (Sección USO AVANZADO para información adicional).
4. Selector MODE
Presione durante 3-4 segundos para conmutar entre ambos modos (AP o STA). El LED correspondiente se encenderá.
5. LEVEL
Permite controlar el nivel de ganancia de salida.
6. LED AP
Este LED se ilumina cuando el modo STA está activo (Consulte la sección USO AVANZADO para información adicional).
7. LED POWER
Este LED se ilumina cuando el dispositivo está conectado a un alimentador DC externo
8. Entrada DC
Permite conectar el alimentador externo.

USO AVANZADO

WIR 1 tiene dos modos de funcionamiento: Modo AP y Modo STA.

Si desea cambiar el modo, presione y mantenga pulsado el botón MODE durante 3 o 4 segundos. El LED correspondiente a los estados AP o STA se encenderá para indicar el modo activo.

MODO AP

En este modo, **WIR 1** actúa como punto de acceso Wi-Fi.

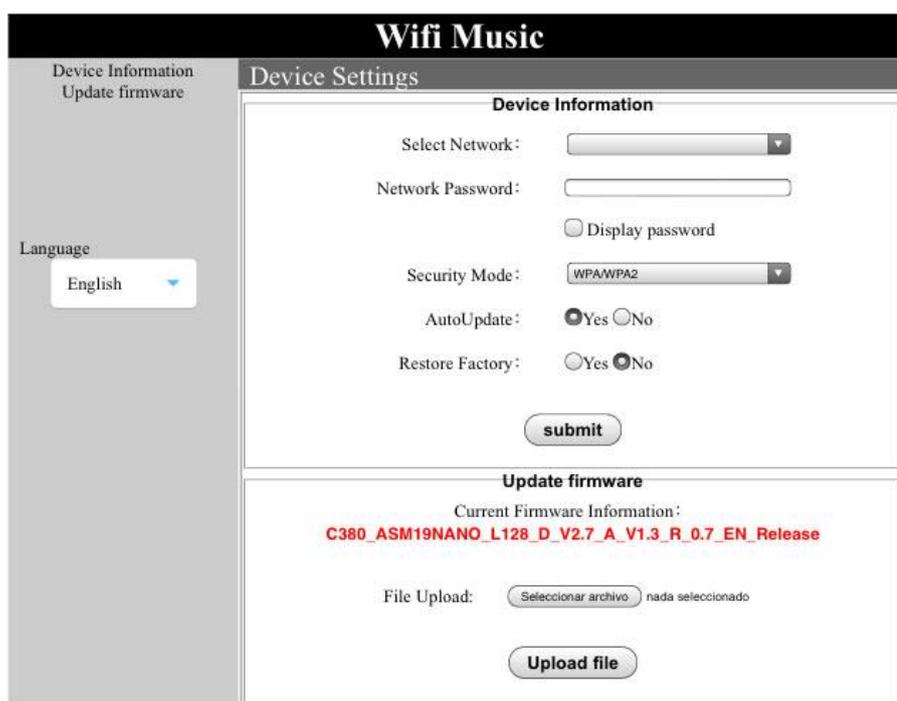
1. El dispositivo de audio externo (smartphone, tablet, PC) busca redes Wi-Fi y se conecta a la red "**WIR1 Player_80A221**" con la contraseña **87654321**.
2. En la aplicación de reproductor de audio del dispositivo externo, seleccione "**WIR1**" como dispositivo de salida.

MODO STA

En este modo, **WIR1** funciona como un cliente integrándose en una red WIFI existente como un dispositivo más.

Cómo se conecta:

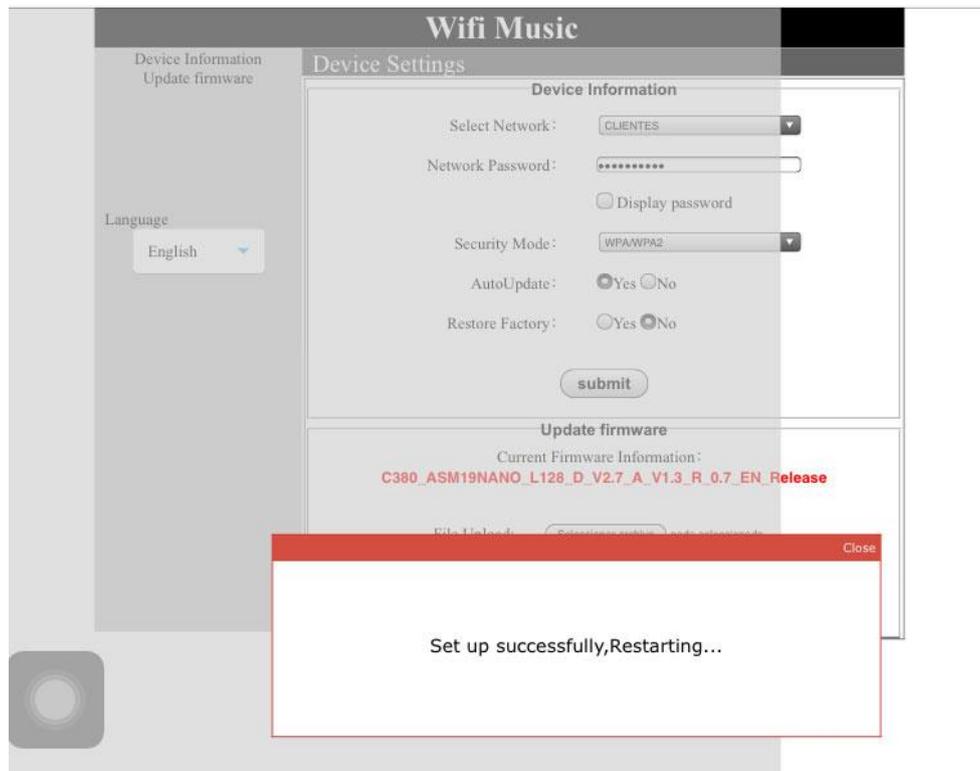
1. Seleccione modo AP en el WIR 1.
2. Conecte un dispositivo externo (Tablet, smartphone...) a la red WIFI "**WIR1 Player_80A221**".
3. Abra un navegador en el dispositivo externo y escriba `http://192.168.0.1` para acceder al webserver de WIR 1.



The screenshot shows the 'Wifi Music' web interface. On the left, there is a sidebar with 'Device Information' and 'Update firmware' links, and a 'Language' dropdown menu set to 'English'. The main content area is titled 'Device Settings' and contains two sections:

- Device Information:** Includes a 'Select Network' dropdown menu, a 'Network Password' text input field, a 'Display password' checkbox (unchecked), a 'Security Mode' dropdown menu (set to 'WPA/WPA2'), 'AutoUpdate' radio buttons (set to 'Yes'), and 'Restore Factory' radio buttons (set to 'No'). A 'submit' button is located below these options.
- Update firmware:** Shows 'Current Firmware Information' as 'C380_ASM19NANO_L128_D_V2.7_A_V1.3_R_0.7_EN_Release'. It includes a 'File Upload' section with a 'Seleccionar archivo' button (labeled 'nada seleccionado') and an 'Upload file' button.

4. Seleccione el nombre de la red a la que desea conectarse y escriba el password. Después de configurar la red, pulse la tecla submit. El WIR 1 se reiniciará y el LED STA se encenderá.



5. Conecte el dispositivo externo a la red Wi-Fi existente (la misma red Wi-Fi a la que se ha conectado el WIR 1 en el paso previo).
6. En la app del reproductor del dispositivo externo seleccione "WIR1" como dispositivo de salida.

POSIBLES PROBLEMAS Y SOLUCIÓN

Esta guía pretende ayudar a resolver problemas simples y comunes que pueden aparecer en el uso del dispositivo. Si los problemas persisten, no intente abrir y reparar la unidad por sí mismo, contacte con su distribuidor WORK PRO más cercano y devuélvalo para su reparación.

- Si el Modo AP no funciona:
 1. Seleccione el modo AP (AP LED parpadea)
 2. Asegúrese de seleccionar la red **"WIR1 Player_80A221"** en su smartphone o tablet para conectar ambos dispositivos.
 3. Compruebe el nivel de volumen en su smartphone y en el WIR 1.
- Si el modo STA no funciona:
 4. Conecte el modo AP y acceda al webserver de WIR 1 (indicado en la sección USO AVANZADO)
 5. Si el password introducido en la configuración de la red Wi-Fi no es correcto, cuando trate de seleccionar "WIR1" como dispositivo de salida en su smartphone o tablet, éste no aparecerá. En este caso, repita el punto 4 y compruebe que el password sea correcto.
- Si en el Modo STA aparece una pantalla diferente al acceder al webserver:
 6. Si al tratar de acceder al webserver de WIR 1 aparece la siguiente pantalla



Presione la línea "Return Index"



Av. Saler nº14 Poligono. Ind. L'Alteró. Silla 46460 VALENCIA-SPAIN

Tel: +34 961216301

www.workproaudio.com