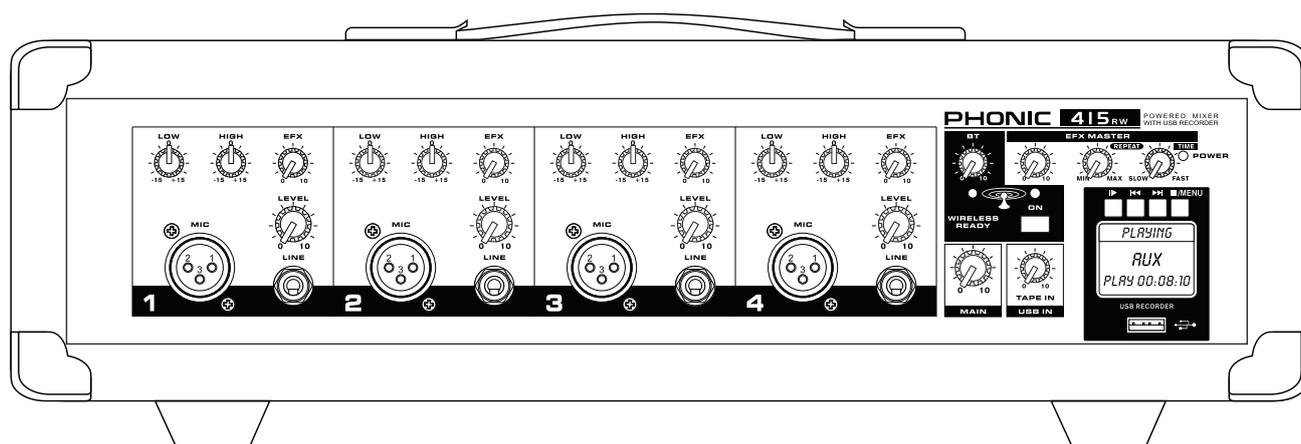


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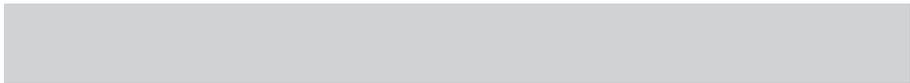
POWERPOD 415RW

- User's Manual
- Manual del Usuario

POWERPOD 415RW

POWERED MIXER

MEZCLADORA AMPLIFICADA



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USER'S MANUAL

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Phonic preserves the right to improve or alter any information within this document without prior notice

IMPORTANT SAFETY INSTRUCTIONS

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus. The MAINS plug is used as the disconnect device, the disconnect device shall remain readily operable.

Warning: the user shall not place this apparatus in the confined area during the operation so that the mains switch can be easily accessible.

1. Read these instructions before operating this apparatus.
2. Keep these instructions for future reference.
3. Heed all warnings to ensure safe operation.
4. Follow all instructions provided in this document.
5. Do not use this apparatus near water or in locations where condensation may occur.
6. Clean only with dry cloth. Do not use aerosol or liquid cleaners. Unplug this apparatus before cleaning.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus 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 apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

CAUTION: Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure.



Protective earthing terminal. The apparatus should be connected to a mains socket outlet with a protective earthing connection.

WARNING: The terminals marked with symbol of "⚡" may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by a qualified person or the use of ready-made leads or cords.

INTRODUCTION

Congratulations on your purchase of the Phonic Powerpod 415RW Powered Mixer. The Powerpod 415RW is built into a rugged wooden cabinet for heavy-duty use. In order to get the best performance from your Powerpod 415RW, please read all of this safety and operation manual before operating the mixers and keep the manual for future reference.

FEATURES

- 4 mono input channels for a wide range of Microphone and Line level signals from separate input sockets
- Built-in 150 Watt power amplifier
- USB recorder and playback device for capturing all performances with ease
- Bluetooth connectivity for receiving audio from modern Bluetooth-enabled devices
- Class D circuitry on built-in amplifier
- Built-in Digital Delay
- Super musical 2-band EQ at mono channels
- Record out
- Tape in with level control

GETTING STARTED

1. Before turning on the power, set the Main output control to the "0" position.
2. Always turn the power off before connecting or disconnecting cables.
3. Check the AC Voltage before connecting the AC plug.
4. Do not obstruct the back panel at all for proper ventilation.

CHANNEL STRIP DESCRIPTION

1. LOW EQ

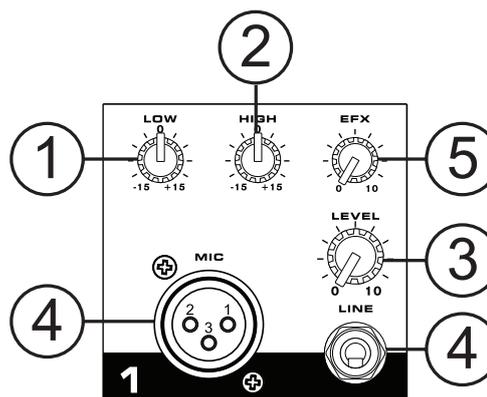
The control has shelving response giving 15dB of boost or cut at 80Hz. Add warmth to vocals or extra punch to guitars, drums and synths by turning to the right. Turn to the left to reduce stage rumble, hum or to improve a mushy sound.

2. HIGH EQ

Turn to the right to boost high frequencies, adding crispness to percussion from drum machines, cymbals and synths. Turn to the left to cut these frequencies, reducing sibilance or hiss. The control has a shelving response giving 15dB of boost or cut at 12kHz.

3. LEVEL CONTROL

The Level Control determines the proportion of the channel signal in the mix, and provides a clear visual indication of channel level.



4. MIC & LINE INPUT

The MIC input accepts XLR phone jack while the LINE input accepts a 1/4" type phone jack. Please use a low impedance microphone and a properly wired cable for best results. You can only use one of the two connectors at the same time.

5. EFFECT

This knob decides the signal level which will be sent to the built-in digital delay effect control.

MASTER SECTION DESCRIPTION

6. DIGITAL DELAY

The signal from the input channels, processed by the built-in digital delay will feed to the master output. There are three knobs here to control the effect of digital delay.

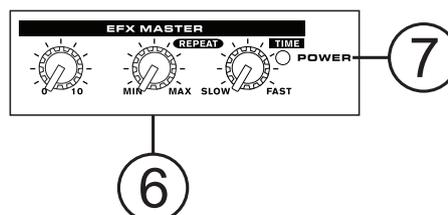
TIME - This knob adjusts the internal time of the delays; turn to the right to increase the interval time between two delays.

REPEAT - To increase the rate of the delays, turn this knob to the right. You will hear the signal repeat at a faster rate.

LEVEL - The control on the left will adjust the final output level of the digital delay.

7. POWER INDICATOR

This LED indicator will light up when the Powerpod 415RW is turned on and active.

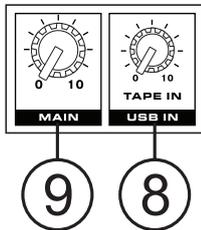


8. USB IN CONTROL

This knob adjusts the USB Playback level as sent to the main mix.

9. MASTER CONTROL

This adjusts the final level of the Main bus. It controls the Main bus signal which is output to the speakers.



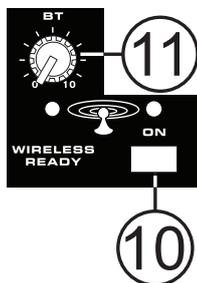
BLUETOOTH SECTION

10. BLUETOOTH ON BUTTON AND INDICATORS

This button turns the Bluetooth function of the Powerpod 415RW on and off. The LEDs that accompany it indicate the status of the feature. The LED immediately above the button shows the feature is turned on while the "WIRELESS READY" LED will light up when a connection is established between a SmartDevice and the Powerpod.

11. BLUETOOTH LEVEL CONTROL

This rotary control will adjust the level of the incoming Bluetooth signal that will be sent to the main mix.



USB RECORDER DESCRIPTION

The USB Recorder's source signal is taken directly from each individual input channel. While the recordings are indeed in stereo, they are also limited by the Powerpod 415RW's circuitry, which is mono rather than stereo. When playing back a signal, the signal will pass through the USB In control and then is sent directly to the main mix. Playback of WMA and MP3 with bit rates of up to 320 kbit/s is possible.

12. DISPLAY

This display will display the track number currently being played. It also offers play, pause and record indicators as well as the current play/record time.

13. USB PORT

Connect your USB flash drive to this input. Once a drive is connected, the files will initiate and the main menu will appear on screen. Users are advised to format their USB memory sticks with the FAT-32 file system.

14. PLAY BUTTON

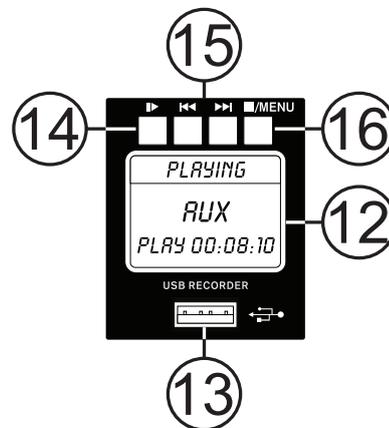
Push this button to start and stop playback and recording of the currently displayed track. Starting a track after it is paused will resume the track from the point at which it was paused (in both record and playback mode). When in recording mode, push and hold this button to finalize recordings.

15. BACK/NEXT BUTTONS

Pushing these buttons will allow users to skip back and forwards between tracks. When the menu is activated, these buttons are used to scroll through on screen options.

16. STOP/MENU BUTTON

Push this button to stop playback or recording when applicable. Push and hold the button to access the USB recorder/player's main menu.



REAR PANEL DESCRIPTION

17. TAPE IN AND REC OUT

The TAPE IN sockets allow cassette recorders or CD players to be added to the Main output. The RECORD OUTPUT, with RCA phono sockets, provides signal output to a cassette deck and home audio equipment. The nominal output level and impedance are -10dBV/600ohms.

18. POWER CABLE

The Powerpod 415RW features a built-in power cable that can be connected to an appropriate AC power outlet. Ensure the local power levels match those required by your powered mixer. The unit's required voltage is indicated immediately beside the power cable.

19. POWER SWITCH

This switches the powered mixer on and off. While turn it on, the power on blue LED indicator will light up on the master section of front panel.

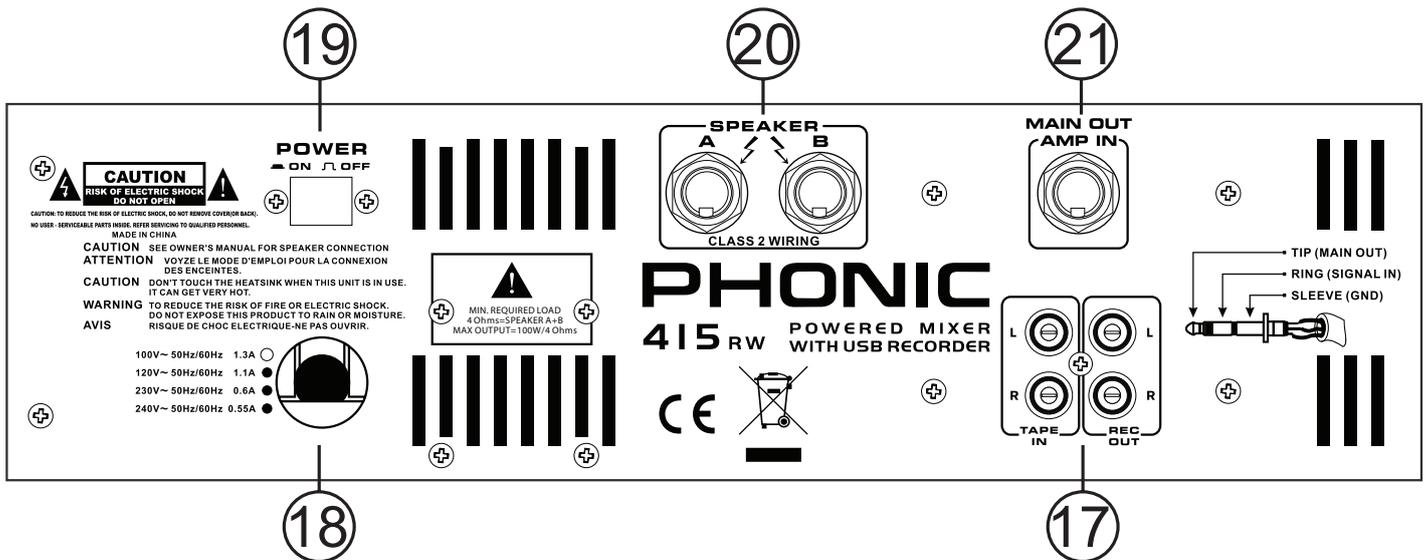
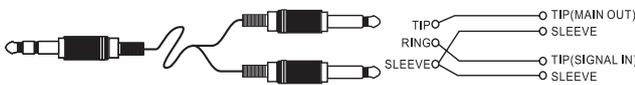
20. SPEAKER OUTPUT JACKS

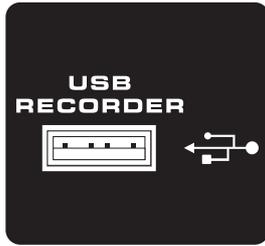
Speakers can be connected to these sockets, two speakers can be connected to the powered mixer. When using 2 speakers at the same time, use 8~16 ohms speakers. When using one speaker only, use a 4~8 ohms speaker. The total minimum required load is 4 ohms. If the total load is less than 4 ohms, it may damage this powered mixer.

21. MAIN OUT / AMP IN

This unbalanced insert point is a break between the main out and built-in amplifier to allow the main output to be sent to an external signal processor or power amplifier. The insert is a 1/4" phone jack socket which is normally bypassed. When a jack is inserted, the signal path is broken.

The main output signal appears on the TIP of the plug and the external signal is returned on the RING. A "Y" cable may be required to connect to equipment with separate send and return jacks as shown below:





“R” Recording

The Powerpod 415RW includes a flexible USB recorder that includes a USB port accompanied by a LCD and four function buttons. Please see the operating instructions below:

Playback: The USB player supports WMA and MP3 playback through USB

1. Power on the device.
2. Insert an appropriately formatted (FAT32) USB flash drive.
3. On the main menu, select “Playback” and press the PLAY button.
4. Press the PLAY button to play the current track, or the << and >> buttons to skip forward and backwards between tracks.
5. Press the MENU button while in the Playback mode to access the File Browser, Delete File, Repeat Mode and Volume Control functions.
6. Press and hold the MENU button for three seconds to exit playback mode and return to the main menu.

Folders - Freely navigate songs in each folder on USB flash disc using the << and >> buttons. Press PLAY button to select, press MENU button to go back.

Repeat Mode - There 4 repeat modes available.

No Repeat - Play each file in the current folder or root for once.

Repeat one - Constantly repeat selected song.

Repeat Folder - Constantly repeat all the song in the certain folder or root.

Random - Enables random playback of files in current folder or root.

Record: Users can record high definition WAV format

1. Power on the device.
2. Insert an appropriately formatted (FAT32) USB flash drive.
3. In the main menu, select “Record” and press the PLAY button to enter recording mode.
4. Select between the 128 kbit/s and 192 kbit/s WAV recording modes and press the PLAY button.
5. Record mode will begin in standby/pause. Push the Play/Pause button to begin recording. The unit will save the recorded file into the RECORD directory on the USB device.
6. Push the Play/Pause button to pause recording. Pushing the Play/Pause button again will resume recording from the position at which it was paused.
7. Press the MENU button at any time to save the recording. Once the recording is saved, the system will automatically skip to the next track.
8. To exit out of record mode and return to the main menu, press and hold MENU button for three seconds.

NOTE:

1. The USB rotary control will adjust the playback level only and will not affect recording levels. The only level controls that will affect the recording level are those found on the individual input channels.
2. Users may experience very short instances of drop outs during playback of recorded WAV files.



“W” Wireless Bluetooth

Operation:

1. Activate Bluetooth by pushing the Bluetooth button.
2. Search for and pair with “Phonic.BT” in the Bluetooth setup menu of your cell phone, tablet, PC, or other Bluetooth-enabled device.
3. If your device asks for a password, please enter “0000”.
4. Audio signals received through the Bluetooth interface are controlled via the Bluetooth rotary control.
5. If you cannot connect to the Phonic’s Bluetooth input, it might be because it is already connected to another device or someone has erroneously connected to it. Please restart your Phonic product and attempt the Bluetooth connection again.

6. When using smartphones and tablets, it may be an idea to turn “Airplane Mode” or “Flight Mode” on to stop phone calls or push notifications from interrupting your audio.

NOTE: Not all modern Bluetooth-enabled devices allow for use of external audio playback. In the case of laptops in particular, Bluetooth may be used for data transmission only - depending on the model. This is a limitation of these devices and you will not be able to use the Powerpod ‘RW’ Bluetooth function with these devices.

SPECIFICATIONS

	Powerpod 415RW
POWER AMP, output power in watts	
Number of Power Channels	1
8Ω	100
4Ω	150
Inputs	
Balanced Mono Mic/Line Channels	4
2T Input	1
Outputs	
Main Out	TRS, unbal.
Channel Strips	
Volume Controls	Rotary
Master Section	
Rotary Fader	Master
Built-in Digital Effect	
	Digital Delay (2ms-150ms)
Noise (20Hz to 20KHz bandwidth, line inputs to master output)	
Master Output, all faders down	-86dBu
Power Amp Output, all faders down	-55dBu
THD	
Power Output, 20Hz to 20KHz	@150 watts, 4Ω <0.2%
Crosstalk (1KHz @ 0dBu, 20Hz to 20KHz bandwidth, channel in to master output)	
Channel fader down	<-63dB
Frequency Response (Mic input to output)	
20Hz ~ 20KHz, line level o/p @ +4dBu into 600Ω	+1/-3dB
20Hz ~ 20KHz, power amp o/p 1 watt into 8Ω	+1/-3dB
Sensitivity @ Mixer Output +4dBu	
Mic/Line	-50dBu/-35dBu
Tape in	-6dBu
Channel Equalization	
Low EQ	80Hz
Hi EQ	12KHz
Microphone Preamp E.I.N. (150 ohms terminated, max. gain)	
	<-122dBm
USB Recording/Playback	
Recording Format	wav
Maximum Playback Bitrate	320 kbit/second
Bluetooth	Bluetooth 3.0 + EDR compliant
Audio DAC	>90dB SNR
Power Requirements	
	100-120, 220-240 VAC, 50-60 Hz
Dimensions (WxHxD)	
	440 x 136 x 214 mm (17.32"x5.35"x8.42")
Weight	
	7.5 kg (16.5 lbs)

SERVICE AND REPAIR

For replacement parts, service and repairs please contact the Phonic distributor in your country. Phonic does not release service manuals to consumers, and advice users to not attempt any self repairs, as doing so voids all warranties. You can locate a dealer near you at <http://www.phonic.com/where/>.

WARRANTY INFORMATION

Phonic stands behind every product we make with a no-hassles warranty. Warranty coverage may be extended, depending on your region. Phonic Corporation warrants this product for a minimum of one year from the original date of purchase against defects in material and workmanship under use as instructed by the user's manual. Phonic, at its option, shall repair or replace the defective unit covered by this warranty. Please retain the dated sales receipt as evidence of the date of purchase. You will need it for any warranty service. No returns or repairs will be accepted without a proper RMA number (return merchandise authorization). In order to keep this warranty in effect, the product must have been handled and used as prescribed in the instructions accompanying this warranty. Any tampering of the product or attempts of self repair voids all warranty. This warranty does not cover any damage due to accident, misuse, abuse, or negligence. This warranty is valid only if the product was purchased new from an authorized Phonic dealer/distributor. For complete warranty policy information, please visit <http://www.phonic.com/warranty/>.

CUSTOMER SERVICE AND TECHNICAL SUPPORT

We encourage you to visit our online help at <http://www.phonic.com/support/>. There you can find answers to frequently asked questions, tech tips, driver downloads, returns instruction and other helpful information.

support@phonic.com
<http://www.phonic.com>

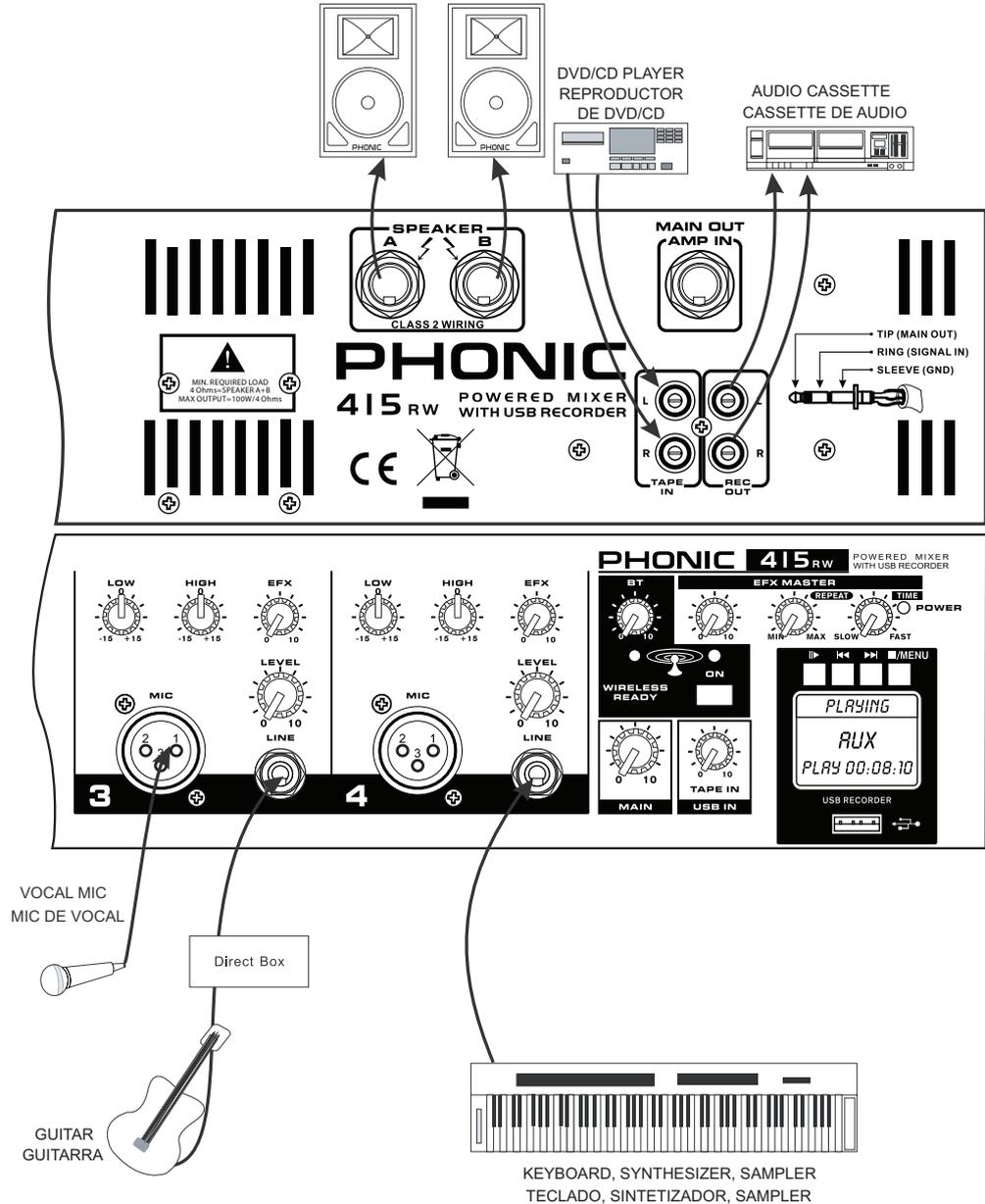
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APPLICATION APLICACIÓN

GENERAL APPLICATION
 APLICACIÓN GENERAL

SPEAKERS ALTAVOCES

FRONT OF HOUSE SPEAKERS
 ALTAVOCES DE FRONT OF HOUSE

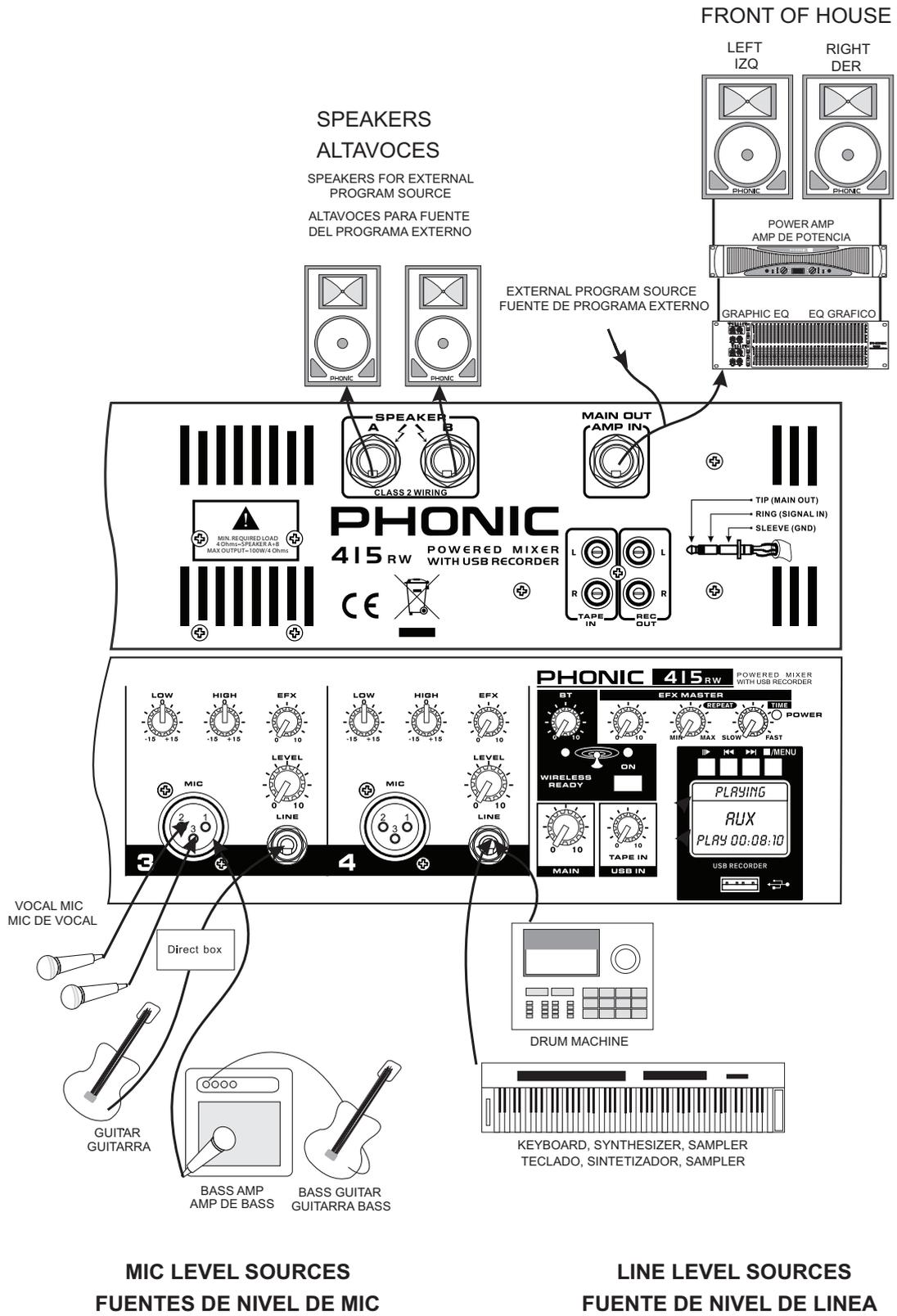


MIC LEVEL SOURCES
 FUENTES DE NIVEL DE MIC

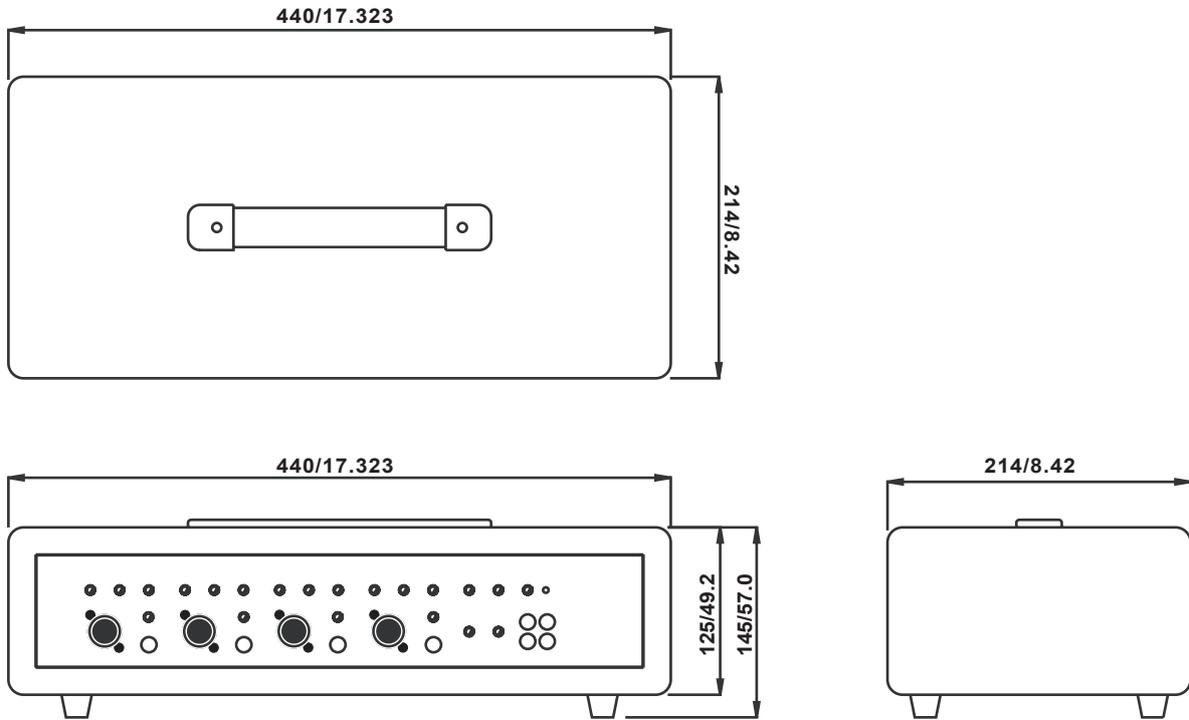
LINE LEVEL SOURCES
 FUENTE DE NIVEL DE LINEA

LIVE BAND WITH ADDITIONAL AMPLIFIER
BANDA EN VIVO CON AMPLIFICADOR ADICIONAL

Appendix
 Apéndice



DIMENSIONS DIMENSIONES

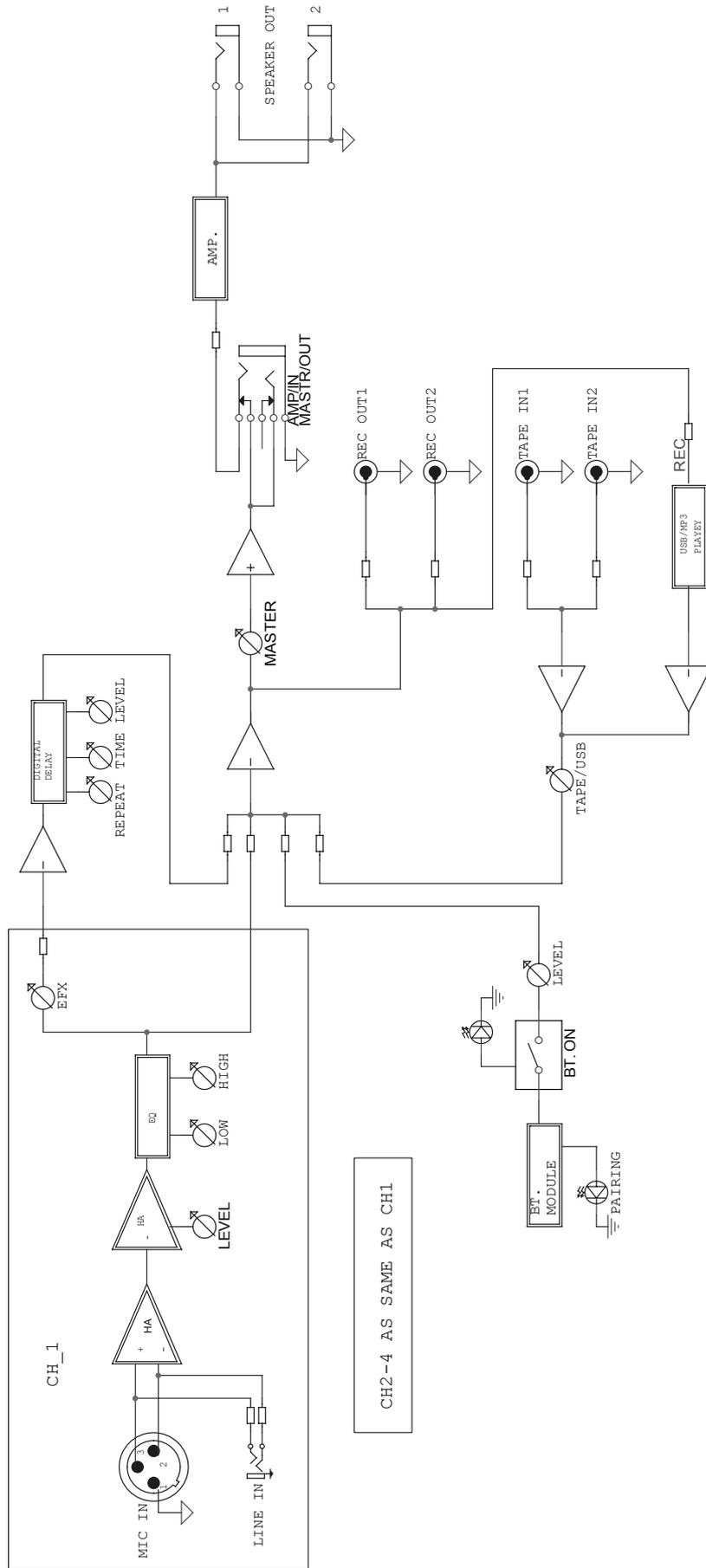


Measurements are shown in mm/inches
Todas las medidas están mostradas en mm/pulgadas.

BLOCK DIAGRAM DIAGRAMA DE BLOQUE

Appendix

Apéndice



CH2-4 AS SAME AS CH1

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