

FONESTAR PROX-60Z

**Zone Mixer
Amplifier
With
Bluetooth**



FONESTAR PROX-60Z Zone Mixer Amplifier With Bluetooth Instruction Manual

[Home](#) » [Fonestar](#) » FONESTAR PROX-60Z Zone Mixer Amplifier With Bluetooth Instruction Manual 

Contents

- 1 FONESTAR PROX-60Z Zone Mixer Amplifier With Bluetooth
- 2 Product Usage Instructions
- 3 Frequently Asked Questions
- 4 DESCRIPTION
- 5 CONTROLS AND FUNCTIONS
- 6 REAR PANEL
- 7 BASIC OPERATION
- 8 CONNECTION
- 9 INPUT PRIORITY
- 10 BLOCK DIAGRAM
- 11 SIMPLIFIED EU DECLARATION OF CONFORMITY
- 12 TECHNICAL SPECIFICATIONS
- 13 Documents / Resources
 - 13.1 References

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FONESTAR PROX-60Z Zone Mixer Amplifier With Bluetooth



Specifications

- Distributed audio for PA installations with 100 speakers
- Low impedance output
- Versatile player for background music
- 2 zone outputs with volume control for different music levels per zone
- User-friendly operation
- Modern and discreet design

Product Usage Instructions

Front Panel Controls

1. Indicator light and on/off switch
2. Information display
3. USB mode control for random play

Rear Panel Functions

1. Stereo auxiliary inputs (AUX 2/AUX 3) for audio devices
2. Audio input from a dynamic microphone, condenser microphone, or lines (CH 2)
3. Paging mic input with priority setting (CH 1)

Additional Features

- Emergency input for connecting an emergency system
- Bass and treble controls for adjusting frequencies
- Remote mute function for speaker output

Frequently Asked Questions

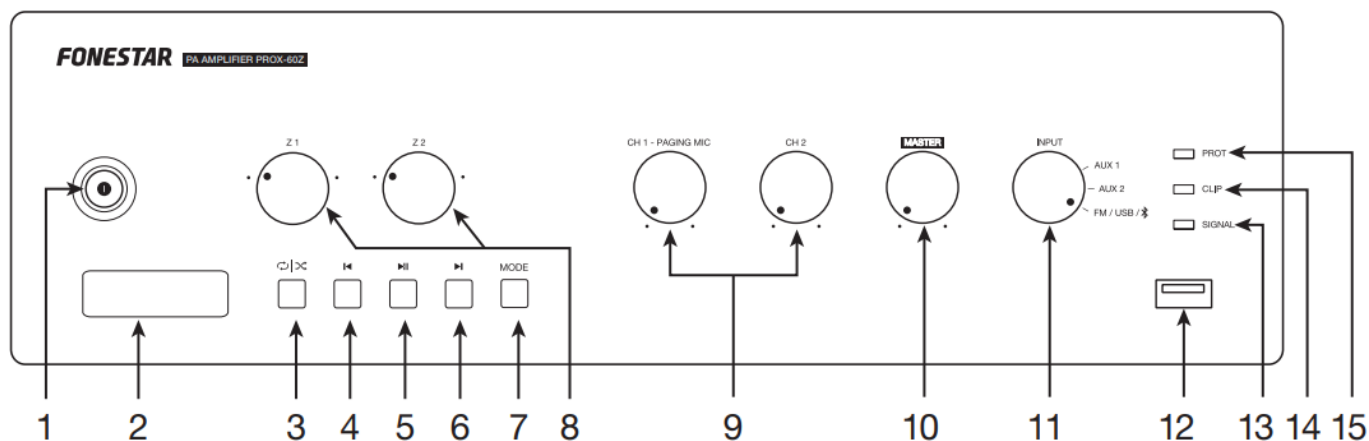
- **Q: What should I do if the protection indicator light (PROT) is activated?**
 - **A:** If the protection indicator light is on, it means the temperature channel protection is activated. In this case, turn off the device, ensure proper ventilation, reduce input signal volume, and wait for the appliance to stabilize before turning it back on.
- **Q: How can I adjust the sensitivity of CH 1-2 inputs over other signals?**
 - **A:** You can adjust the sensitivity by setting the VOX CH1 – CH2 control. Depending on this setting, the signal level required at the CH 1-2 inputs to cut audio from other sources will be higher or lower.


DESCRIPTION

- Distributed audio for PA installations with 100 speakers, also with low impedance output.
- Versatile player for background music.
- It has 2 zone outputs with volume control for different music levels per zone.
- User-friendly operation and a modern, discreet design.

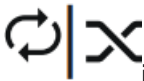
CONTROLS AND FUNCTIONS

FRONT PANEL





1.  indicator light and on/off switch of the amplifier.


2. Information display.

3.  in USB mode, enable/disable random play.

- **RPT ONE:** repeats 1 song.
- **RPT ALL:** repeats all.
- **RANDOM:** plays all songs in random order.

4.  a long press decreases the volume of the player. A short press, in Bluetooth® or USB mode, jumps to the previous audio track; in FM mode it jumps to the previously stored frequency.

5.  in Bluetooth® or USB mode, it plays/stops audio playback; in FM mode, it auto-stores all detected frequencies with sufficient signal quality.

6.  a long press increases player volume. A short press, in Bluetooth® or USB skips to the next audio track, and in FM mode skips to the next stored frequency.

7. **MODE:** short presses of this button allow you to change the mode on the player to choose the desired audio source.

8. **Z1/Z2:** volume controls for output zones Z1 and Z2 on the rear panel.

9. **CH 1- PAGING MIC/CH2:** volume controls for the CH 1 and CH 2 inputs on the rear panel.

10. **MASTER:** volume control of the input selected by the INPUT selector switch

11. **INPUT:** input source selector: AUX 1, AUX 2, or the built-in player (FM radio, USB, or Bluetooth®).

12. **USB** port for audio file playback.

13. **SIGNAL** signal status indicator light. Lights up when the signal is detected at the inputs.

14. **CLIP:** signal peak indicator light for each input. If it lights up lightly or occasionally you should reduce the output volume. If the indicator light stays on continuously, it is because the input signal is very high.

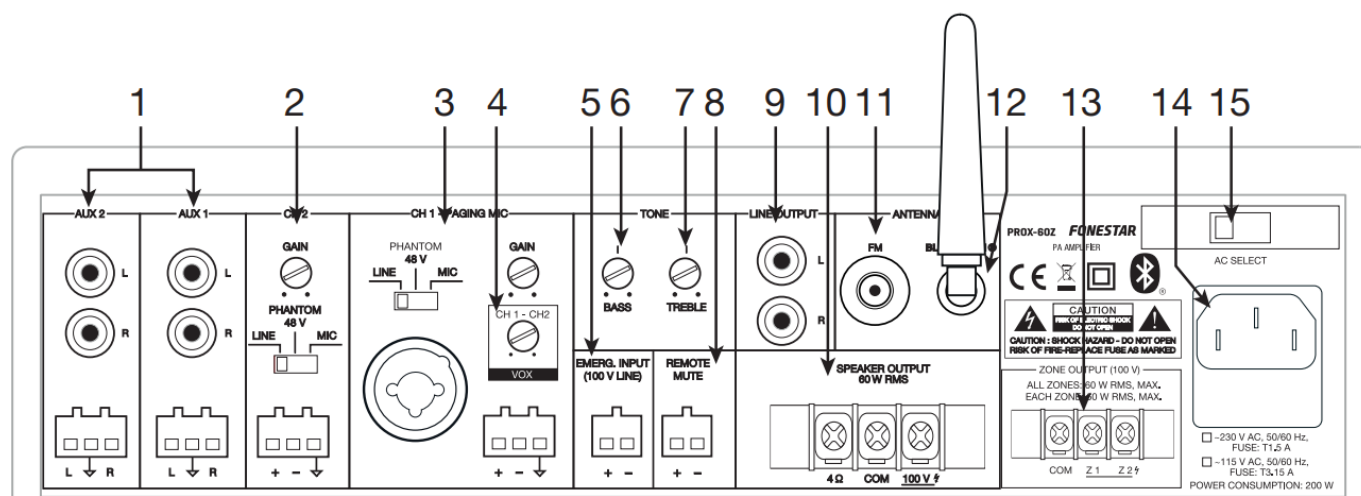
- In this case, reduce the input signal volume.

15. **PROT:** protection indicator light. Lights up when the temperature channel protection is activated. With protection enabled, the audio output of that channel is cut off.

- If this happens, turn off the computer, make sure that the vents for air intake and exhaust are free of

obstructions, and turn down the volume of the input signal. Wait a few minutes for the appliance to stabilize before you switch it on again.

REAR PANEL



1. **AUX 2/AUX 3:** stereo auxiliary inputs for connection of audio devices such as mixers, computers, etc.
 - These inputs have 2 connector options, 2xRCA or euroblock.
2. **CH 2:** audio input from a dynamic microphone (MIC), condenser microphone (PHANTOM 48 V), or lines (LINE), balanced eurolock connector.
 - Once the input type has been selected with the MIC/PHANTOM 48 V/LINE selector, the gain of the input can be adjusted with the GAIN control.
3. **CH 1 – PAGING MIC:** priority audio input for dynamic microphone (MIC), condenser microphone (PHANTOM 48 V) or lines (LINE), balanced combo connectors (XLR and 6.3 mm jack) and eurolock.
 - Once the input type has been selected with the MIC/PHANTOM 48 V/LINE selector, the gain of the input can be adjusted with the GAIN control.
4. **VOX CH1 – CH2:** setting the sensitivity to make the CH 1-2 inputs priority over all other signals.
 - Depending on this setting, the signal level required at the CH 1-2 inputs to cut audio from other sources will be higher or lower.
 - If the VOX control is set to a minimum, no audio will be cut off from any output when there is a signal on CH 1-2. Please note the order of priority of the amplifier inputs, for more information see section CONNECTION – PRIORITY OF INPUTS.
5. **EMERGENCY INPUT:** 100 V audio input for connecting an emergency system, euroblock.
6. **BASS:** boosts/attenuates low frequencies.
7. **TREBLE:** boosts or attenuates high frequencies.
8. **REMOTE MUTE:** mute/unmute the speaker output remotely with the help of a switch, or euroblock connector. This input is in an open circuit, to silence it you must close the circuit.
9. **LINE OUTPUT:** line output, 2xRCA connectors.
10. **SPEAKER OUTPUT 60 W RMS:** 4 Ω low impedance speaker output and 60 W RMS 100 V line, threaded connectors.
 - Please note that the choice of low-impedance speakers must conform to the amplifier specifications for serial or parallel connection (only parallel for 100 V line) to obtain power and impedance appropriate to the amplifier output.

11. **ANTENNA – FM:** input for connection of an FM antenna.
12. **ANTENNA – BLUETOOTH®:** Bluetooth® signal antenna.
13. **ZONE OUTPUT (100 V):** 100 V line speaker output of 60 W RMS maximum to be shared between the 2 zones.
It is possible to connect 1 single zone and use the 60 RMS provided by the amplifier, threaded connectors.
Please note that the choice of low-impedance speakers must conform to the amplifier specifications for serial or parallel connection to obtain power and impedance appropriate to the amplifier output.
14. **115/230 V** amplifier power supply input.
15. **AC SELECT:** power supply voltage selector. If you need to change the voltage you should be aware that the fuse must be modified as specified on the product.




BASIC OPERATION

- Select the operating mode using the INPUT control on the amplifier front panel.




FM/USB/ INPUT

- Select the mode with the MODE button.




FM RADIO MODE

- Select FM mode on the amplifier
- **NOTE:** to use this mode, you need to connect an antenna to FM ANT on the back panel.
- Perform an automatic tuning of the stations to start using this mode by pressing .
- Once finished, you can select the station you wish to listen to from among those already set with  and .

USB MODE

- Connect the USB device.
- Press  and  to change the song or  to pause/resume playback.


BLUETOOTH® MODE

- Select Bluetooth® mode on the amplifier to pair your smartphone or tablet from which you want to send audio.
- On your smartphone/tablet, turn on Bluetooth® mode, search for the NEXT device, and select it.
- Finally, select the music on your smartphone/tablet and start playback.
- Press  and  to change the song or  to pause/resume playback.
- **NOTE:** make sure your smartphone/tablet is loud enough to be heard through the amplifier. This allows you to control the volume from the amplifier itself at a later time without having to operate any other equipment.

AUX 1/AUX 2 INPUTS

- Select the desired mode by having the signal connected to the corresponding connector input on the rear panel of the amplifier.
- Activate the audio device (player, mixer, PC, smartphone, etc.) connected to the input to start playback.
- **NOTE:** make sure that the signal from your audio device is loud enough to be heard through the amplifier.
- This allows you to control the volume from the amplifier itself at a later time without having to operate any other equipment.

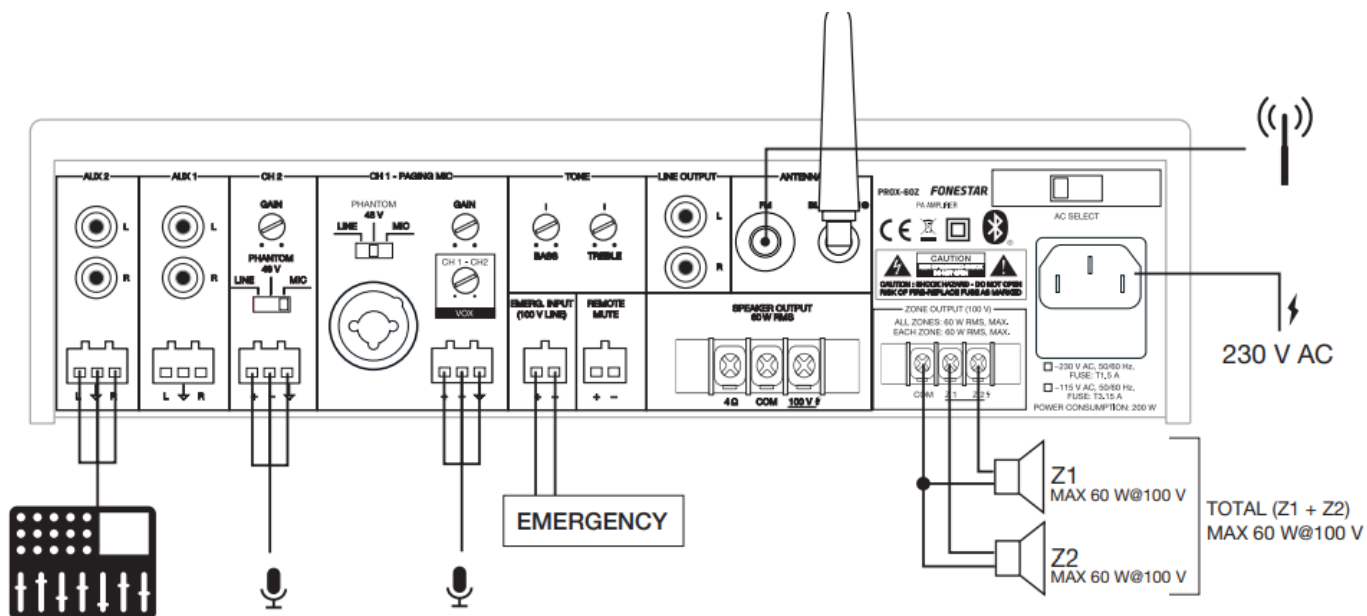
CONNECTION

- **IMPORTANT:** refrigerate the amplifier properly. To do this, make sure that the place where it is installed has access to airflow and that the slots in the chassis are free of obstructions.
- With the amplifier switched off, connect all audio sources AUX, CH, and EMERG. INPUT. If you are going to use the FM radio, you will need to connect an FM reception antenna.
- Connect the speakers to the corresponding low impedance output* ($4\ \Omega + \text{COM}$) or 100 V line* ($100\ \text{V} + \text{COM}$) or zones* ($Z1 + \text{COM}$, $Z2 + \text{COM}$) or the stereo line output (LINE OUTPUT).
- **IMPORTANT:** for proper operation and performance of the equipment, use the correct power, impedance, and frequency limits.
- Before connecting to other equipment, be aware of the conditions required in a HIGH IMPEDANCE (100 V) and LOW IMPEDANCE installation. More information can be found at:
fonestar.com/downloads/install_fonestar_es.pdf
- Check that the volume and gain controls are at a minimum, and connect the amplifier to power.
- Turn on the amplifier and select input with the INPUT control and mode with the MODE button if FM/ USB/  input is selected.
- Finally, adjust all volume and gain and equalization controls (BASS and TREBLE).

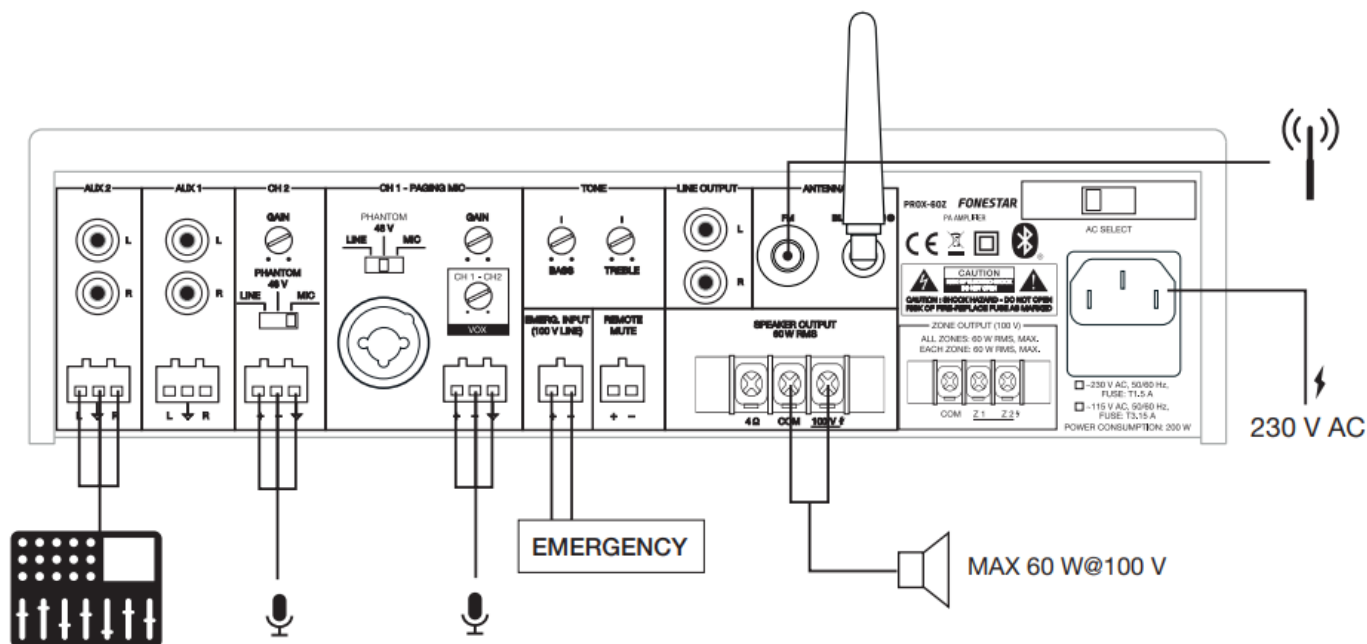
INPUT PRIORITY

- The EMERG input INPUT has the highest priority attenuating all other inputs when the input has a signal.
- CH 1 input has priority over inputs CH 2, AUX 1, AUX 2, and the player. This priority is by signal level and can be selected with VOX control.
- And CH 2 input has priority over inputs AUX 1, and AUX 2, and the player and its priority is set with the VOX control, just like CH 1.
- The REMOTE MUTE input attenuates all inputs except the EMERG input. INPUT when a contact closure of its terminals is performed.

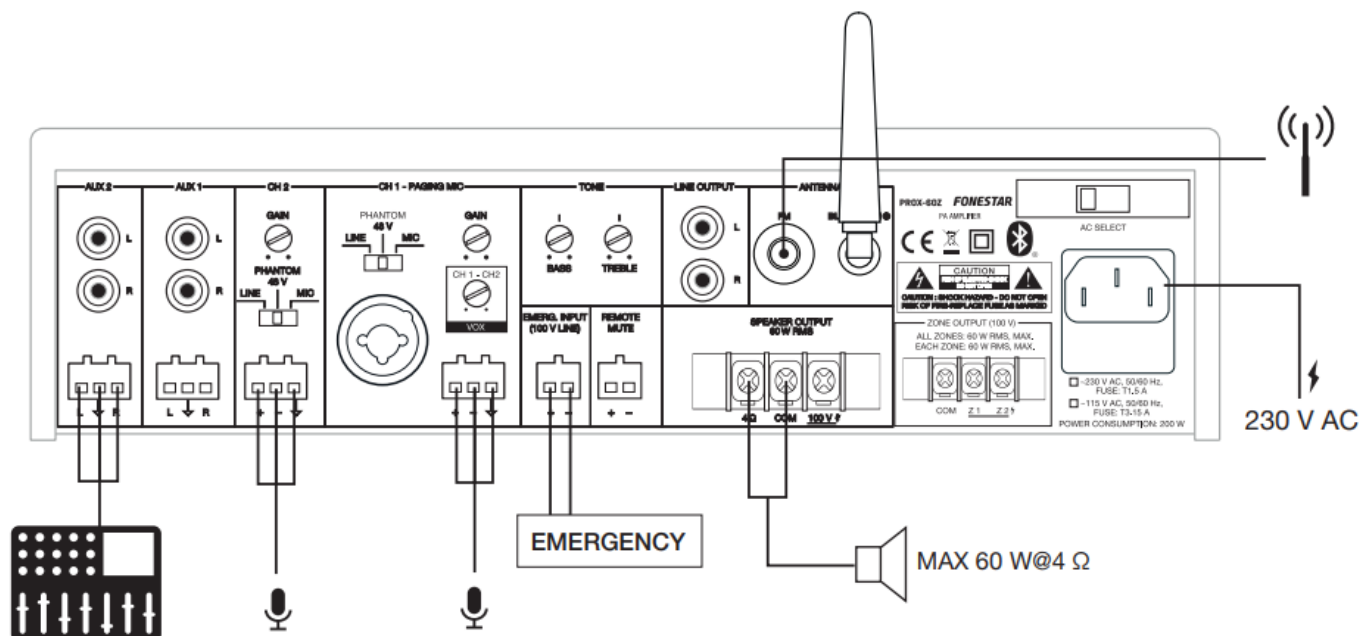
2 ZONE – 100 V LINE



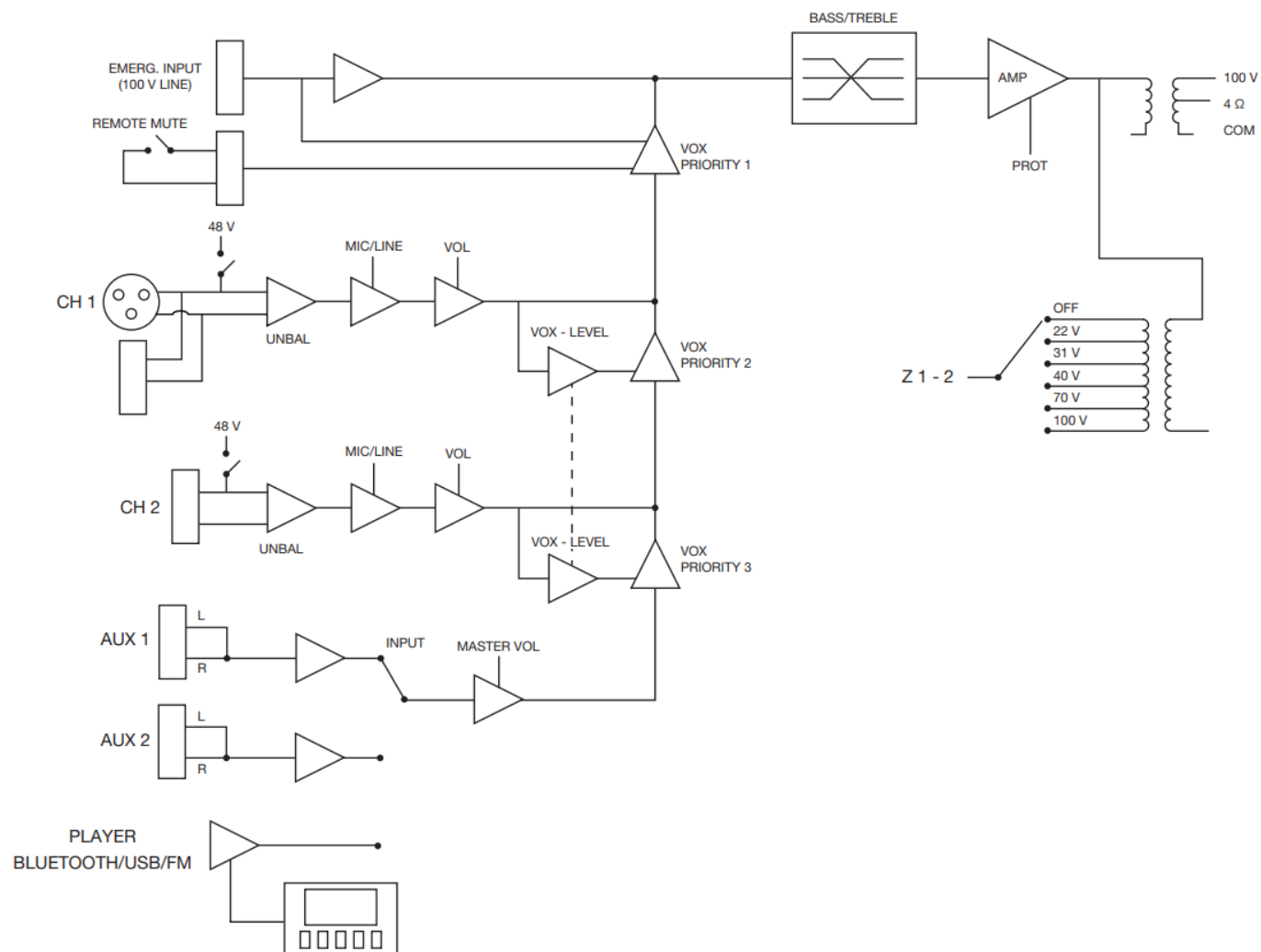
100 V LINE



LOW IMPEDANCE



BLOCK DIAGRAM




SIMPLIFIED EU DECLARATION OF CONFORMITY

- FONESTAR SISTEMAS S.A. hereby declares that the BLUETOOTH®/USB/FM PA and zone PA amplifier PROX-60Z comply with Directive 2014/53/EU.
- The complete text of the EU Declaration of Conformity is available at the following internet address:
fonestar.com/PROX-60Z.

TECHNICAL SPECIFICATIONS

	PROX-60Z
FEATURES	PA Amplifier. BLUETOOTH®/USB/FM player. Microphone inputs with mix, gain and priority level control. Tone controls. 100 V and 4 Ω outputs. Output zones with volume control and Off.
POWER	60 W RMS
RESPONSE	60-20,000 Hz -10 dB
DISTORTION	THD+N: < 1% to 1 kHz
S/N RATIO	>77 dB
PROTECTIONS	Overcurrent, DC and short-circuit at the output
INPUTS	CH 1: 1 balanced mic/line with 48 V Phantom, Combo (XLR + 6.3 mm) and euroblock. Mic: 600 Ω , 6 mV RMS (-44 dBV). Line: 100k Ω , 250 mV RMS (-12 dBV). CH 2: 1 balanced mic/line with 48V Phantom, euroblock. Mic: 600 Ω , 6 mV RMS (-44 dBV). Line: 100k Ω , 250 mV RMS (-12 dBV). 2 Aux, euroblock/2 x RCA, 47,000 Ω 300 mV RMS (-10 dBV) 1 x 100 V line emergency, euroblock. Mute (Emergency Priority) by contact closure, euroblock
OUTPUTS	1 line, 2 x RCA, 1.25 V RMS (+2 dBu) 2 x 100 V speaker zones with 5-position volume selector switch and OFF
FUNCTIONS	Input priority. Emergency Input 100V with maximum priority, attenuates all other inputs. Mute by contact closure, attenuates all inputs except the 100V Emergency input. Channel 1 with priority over other inputs, level selectable. Channel 2 with priority over Aux inputs, level selectable. Power on, protection, signal peak and output signal indicator lights. Fanless induction cooling
CONTROLS	Microphone volume Mic/line/phantom selector Master volume Aux input or player selector Zone volume Tone: bass and treble (+/- 10 dB 100 Hz and 10k Hz) Microphone gain Priority activation signal level (VOX)
PLAYER	BLUETOOTH®/USB/FM player for background music playback Autoplay, playback starts automatically when power is switched on Memory of last selected mode Play mode memory (random, repeat)
IMPEDANCE	4 Ω and 100 V line (166 Ω), euroblock
OPERATING TEMPERATURE	0° ~ 40°C
MAXIMUM HUMIDITY	95%
POWER SUPPLY	230/115 V AC 50-60 Hz, 200 W Fuse AC 230 V 1.5 A / 115 V 3.15A
DIMENSIONS	320 x 84 x 241 mm depth
ACCESSORIES	FM antenna - BLUETOOTH® antenna - Power cable

<div><p>PROX-60Z</p><p>BLUETOOTH ZONE MIXER WITH PA AND ZONE PA AMPLIFIER AMPLIFICATEUR À ZONE MIXER BLUETOOTH AVEC PA AMPLIFICADOR DE ZONA MIXER BLUETOOTH CON PA AMPLIFICADOR DE ZONA MIXER BLUETOOTH CON PA</p><p>INSTRUCTION MANUAL / MANUEL DE L'UTILISATEUR MODELO / MODEL / MODELO</p><p>FONESTAR</p></div>	<p>FONESTAR PROX-60Z Zone Mixer Amplifier With Bluetooth [pdf] Instruction Manual PROX-60Z, PROX-60Z Zone Mixer Amplifier With Bluetooth, PROX-60Z, Zone Mixer Amplifier With Bluetooth, Mixer Amplifier With Bluetooth, Amplifier With Bluetooth, With Bluetooth, Bluetooth</p>
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References

- [F Equipos de Megafonía y Sonido Profesional - Fonestar](#)
- [User Manual](#)

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