

PROX-60

USB/FM PA AMPLIFIER

AMPLIFICADOR DE MEGAFONÍA USB/FM

AMPLIFICATEUR DE SONORISATION USB/FM

AMPLIFICADOR DE MEGAFONIA USB/FM



INSTRUCTION MANUAL/MANUAL DE USUARIO/
MODE D'EMPLOI/MANUAL DE INSTRUÇÕES

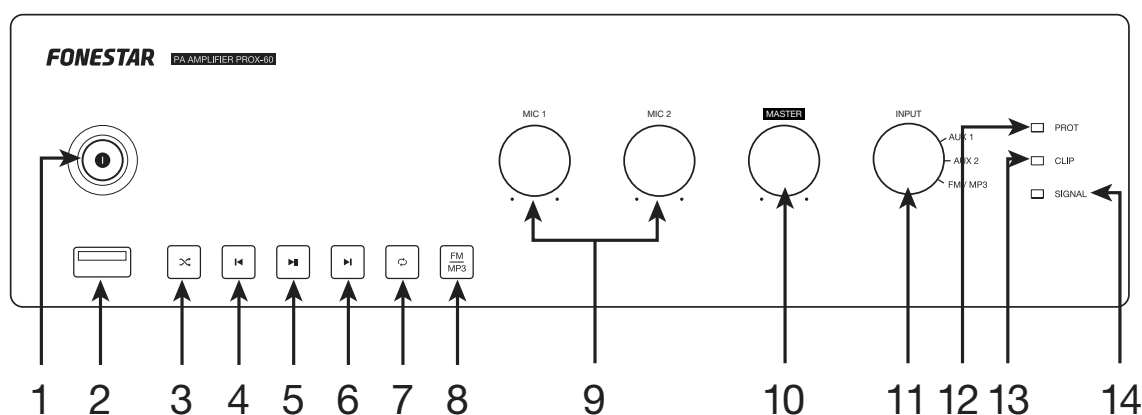
FONESTAR

DESCRIPTION

- A perfect solution that integrates amplifier, mixer, player, microphone and auxiliary inputs in a single unit, for PA installations with 100 V or low impedance loudspeakers that require intuitive operation and have a tight budget.
- Euroblock connectors, safe and easy to connect.
- High sound quality.
- Trendy and discreet design.
- Compact size, for desktop use.

CONTROLS AND FUNCTIONS

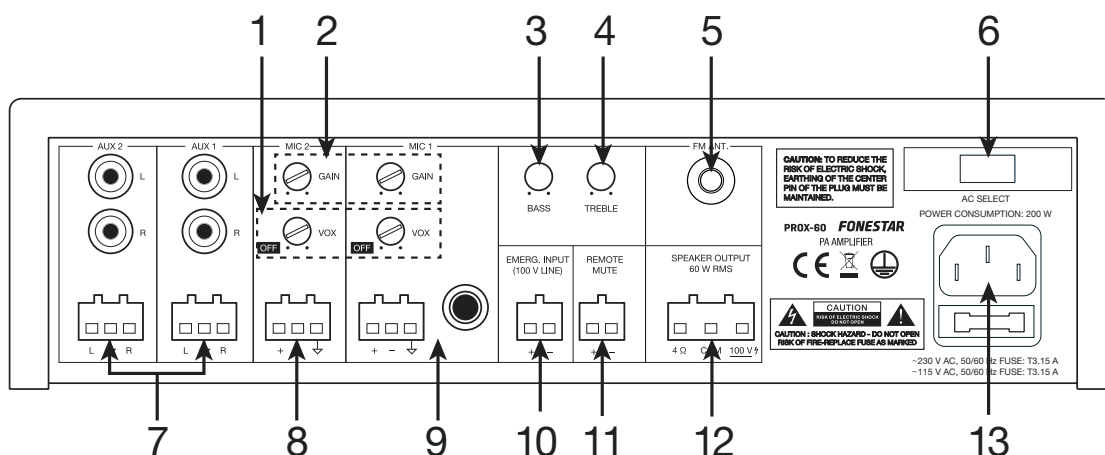
FRONT PANEL



- 1.- Amplifier on/off switch.
- 2.- USB port for audio file playback.
- 3.- (only in USB mode) activates/deactivates the shuffle playback.
 - On: 2 tones.
 - Off: 1 tone.
- 4.- **⏮**: long press decreases player volume. A short press, in USB mode, goes to the previous audio track; in FM mode, goes to the previous memorised frequency.
- 5.- **▶||**: in USB mode, it plays/stops audio playback; in FM mode, it automatically memorises all the frequencies that are detected with sufficient signal quality.
- 6.- **⏭**: long press increases player volume. A short press, in USB mode, goes to the next audio track; in FM mode, goes to the next memorised frequency.
- 7.- (only in USB mode) changes the repeat mode of the tracks:
 - Repeat all: 3 tones.
 - Repeat folder: 2 tones.
 - Repeat 1 track: 1 tone.
- 8.- **FM/MP3**: short presses of this button allows you to change the mode in the player to choose the desired audio source.
- 9.- **MIC 1/MIC 2**: volume controls for the rear panel MIC inputs.
- 10.- **MASTER**: volume control of the input selected by the INPUT selector.
- 11.- **INPUT**: input source selector: rear panel auxiliary input or radio.
- 12.- **PROT**: protection indicator light. It lights up when the temperature protection of the channel is activated. When the protection is activated, the audio output of that channel is cut off. If this happens, turn off the equipment, make sure that the air intake and exhaust slots are free of obstacles and lower the volume of the input signal. Wait a few minutes for the unit to stabilise before switching it on again.

- 13.- **CLIP**: signal peak indicator light for each input. If it lights up slightly or occasionally, you should reduce the output volume. If the indicator light remains on continuously, it is because the input signal has a very high level. In this case, reduce the volume of the input signal.
- 14.- **SIGNAL**: signal status indicator light. It lights up when a signal is detected at the inputs

REAR PANEL



- 1.- **MIC - VOX**: sensitivity to give priority to the MIC signal over the rest of the signals. Depending on this setting, the signal level required at the MIC input to cut the audio from the rest of the sources will be higher or lower.
- 2.- **MIC - GAIN**: gain of the MIC input.
- 3.- **BASS**: attenuates/reinforces the bass frequencies.
- 4.- **TREBLE**: attenuates/reinforces the high frequencies.
- 5.- **FM ANT.**: input for the connection of an FM antenna.
- 6.- **AC SELECT**: power supply voltage selector.
- 7.- **AUX 1/AUX 2**: stereo auxiliary inputs for the connection of audio devices such as mixing consoles, computers, etc. These inputs have 2 connector options, 2 x RCA or euroblock.
- 8.- **MIC 2**: microphone input, balanced euroblock connector.
- 9.- **MIC 1**: microphone input. This input has 2 connector options, unbalanced 6.3 mm jack or balanced euroblock.
- 10.- **EMERGENCY INPUT**: 100 V audio input to connect an emergency system, euroblock.
- 11.- **REMOTE MUTE**: remotely mute/unmute the speaker output with the help of a switch, euroblock connector. This input is in open circuit, to mute it you will have to close the circuit.
- 12.- **SPEAKER OUTPUT**: low impedance speaker output and 100 V line, euroblock connector. Please note that the choice of speakers must be in accordance with the specifications of the amplifier and the type of output chosen (high or low impedance).
- 13.- Power supply input of the amplifier 115/230 V.

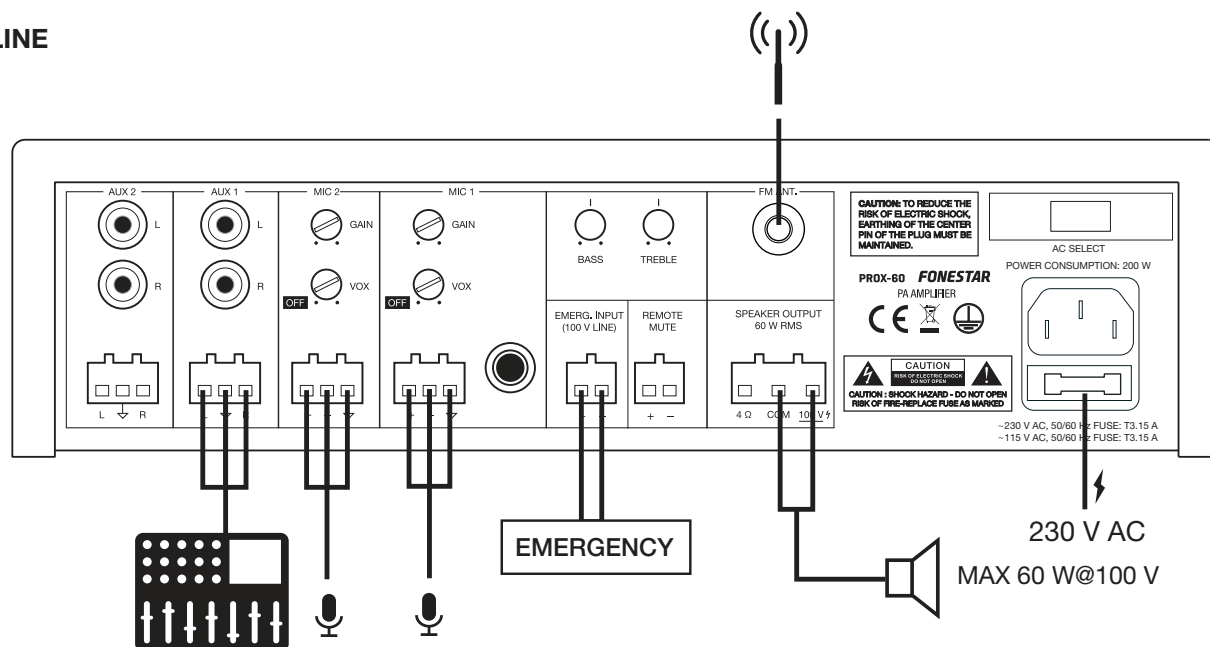
CONNECTION

- **IMPORTANT**: it is important that the amplifier is properly cooled, so make sure that the place where it is installed has access to air flow and that the chassis slots are free of obstacles.
- With the amplifier switched off, connect all audio sources AUX, MIC, EMERG. INPUT. If you are going to use the FM tuner it is recommended to connect an FM receiving antenna.
- Connect the speakers to the corresponding low impedance output (4 Ω + COM) or 100 V line (100 V + COM).
- Check that the volume and gain controls are set to minimum, connect the amplifier to the power supply.
- Turn on the amplifier and select the input on the front.
- Finally, adjust all volume and gain controls, and equalisation (BASS and TREBLE).

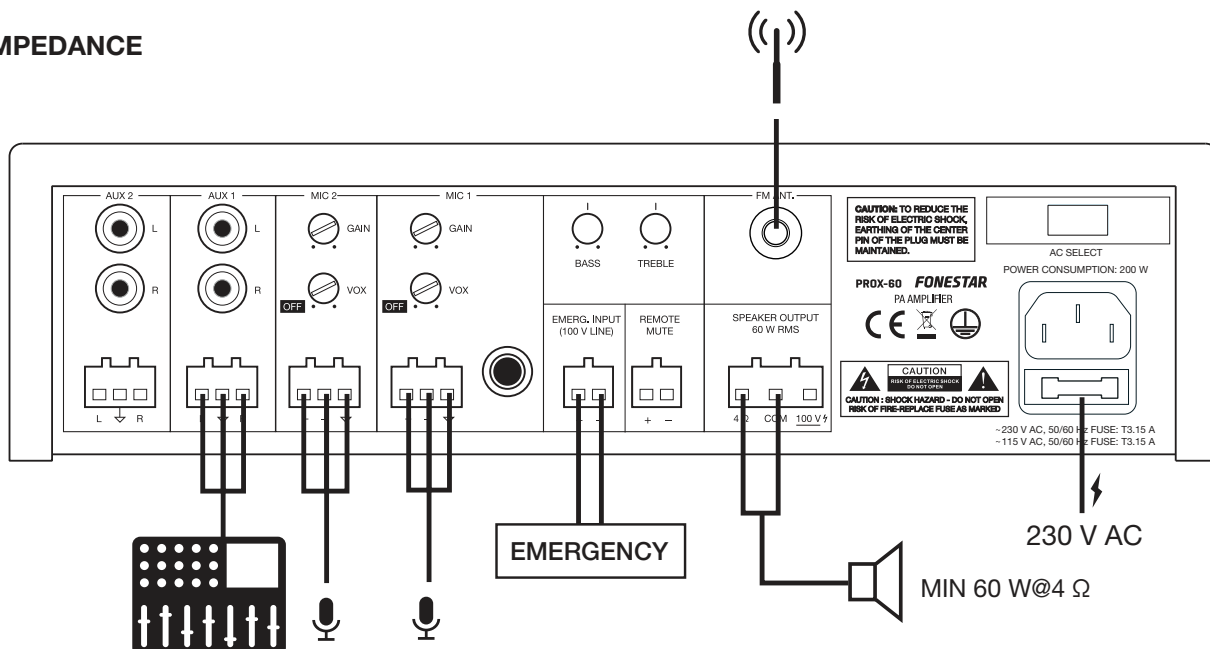
PRIORITY OF INPUTS:

- The EMERG. INPUT has the highest priority, attenuating the rest of the inputs when it has a signal.
- The MIC 1 and MIC 2 microphone inputs have priority over the AUX 1, AUX 2 and player inputs. This priority is by signal level and can be selected with the VOX control of each of the MIC 1 and MIC 2 inputs.
- The REMOTE MUTE input attenuates all inputs except the EMERG. INPUT when a contact closure of its terminals is performed.

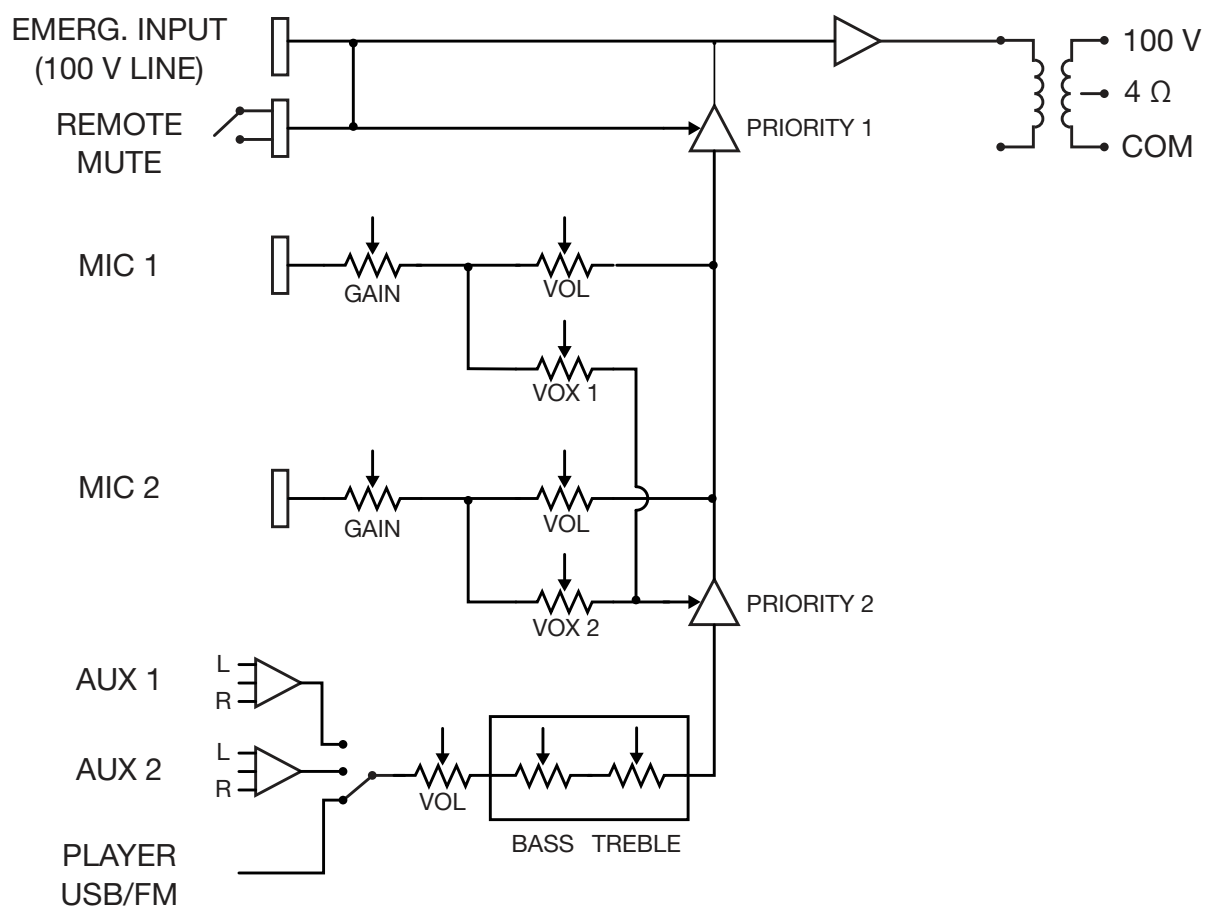
100 V LINE



LOW IMPEDANCE



BLOCK DIAGRAM



TECHNICAL SPECIFICATIONS

	PROX-60
FEATURES	Public address amplifier. USB/FM player. Microphone input with mix, gain and priority level control. Tone controls. 100 V and 4 Ω outputs.
POWER	60 W RMS
RESPONSE	20-20,000 Hz $\pm$ 3 dB
DISTORTION	Harmonic: <1% at 1 kHz
INPUTS	1 balanced/unbalanced mic, euroblock/6.3 mm jack, 600 Ω 6 mV RMS 1 balanced mic, euroblock, 600 Ω 6 mV RMS 2 aux, euroblock/2 x RCA, 47,000 Ω 300 mV RMS 1 x 100 V line , euroblock
FUNCTIONS	Input priority Emergency Input 100 V with maximum priority, attenuates all other inputs Mute by contact closure, attenuates all inputs except the 100 V Emergency input Microphone 1 and 2 with priority over Aux and Playback inputs, by signal level, selectable Power on, protection, signal peak and output signal indicator lights Fanless induction cooling
CONTROLS	Microphone volume Selected input volume Input selector USB/FM player controls Tone: bass and treble Microphone gain and priority
PLAYER	USB player with background music playback mode. When powered on, automatically starts playback FM digital tuner with presets and automatic scanning Memory of last mode selected (USB or FM), last song played or last station tuned Starts playback in successive order
IMPEDANCE	4 Ω and 100 V line, euroblock
POWER SUPPLY	230/115 V AC, 200 W
DIMENSIONS	286 x 84 x 225 mm depth
ACCESSORIES	FM antenna

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