

Category

Amplifiers

Code

AW5120

Range

5000

Description

120 W Power Unit

The AW5120 has an electronically balanced line input with a double socket (XLR and 1/4" jack) to facilitate cascade connection of more than one unit, a balanced telephone input with a insulating transformer and automatic activation of precedence (VOX) with top priority over the other inputs. A terminal with a closing contact on the line input activates the two-tone warning signal (CHIME).

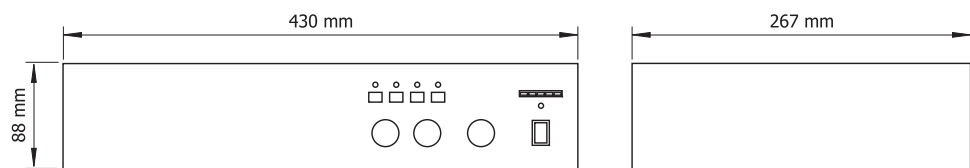
It is possible to select separately three listening zones by means of switches on the front panel of the equipment. The power outputs are of the constant-voltage type (100, 70 and 50 V) or of the low-impedance type (8Ω). Thanks to the MOH 'Music On Hold' function, the line signal is always available on a dedicated terminal strip, without being subjected to any type of precedence. The 'Music On Hold' outputs are of two types: a balanced line signal with transformer (1.4 V) for sending the signal to other equipment or to PABXs, and a power output for driving directly an 1W/8Ω monitoring loudspeaker. A control for adjusting the output level is available on the rear panel. On the front panel there are controls for the bass and treble tones and a general volume control. A high level of reliability is ensured by electronic devices for protecting against overload currents and overtemperatures of the power devices and a cooling fan with automatic speed control in relation to the temperature of the heat sink to which the power devices are applied. Rack-mounting is possible using special accessories (AC55).



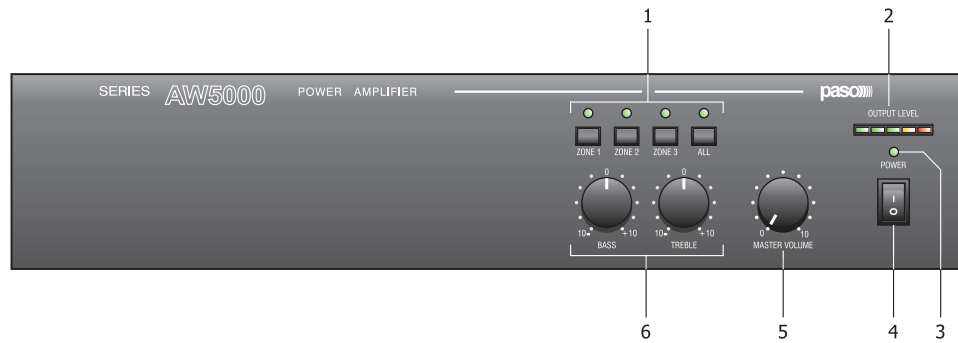
Technical data

Rated output power (at 230 V)	120 W
Rated output power (at 24 V)	97 W
Constant voltage outputs	50 - 70 - 100 V
Low impedance outputs	8 Ω
Distortion at rated output power	< 0,5%
• Line input	n°1 , electronically balanced
Sensitivity / Impedance	250 mV / 47 kΩ
S/N Ratio	84 dB
Frequency response	40 ÷ 20.000 Hz
• Telephone input	n°1 , electronically balanced
Sensitivity / Impedance	120 mV / 5,7 kΩ
S/N Ratio	84 dB
Frequency response	200 ÷ 10.000 Hz
• Signal outputs	n°2
MOH line	1,4 V / 600 Ω
MOH monitor power	1 W / 8 Ω
General information	
Mains power supply	230V 50/60Hz (selectable at 115V)
External DC power supply	24 V
Rack mounting (modular units)	with AC55 accessory (2 HE)
Weight	9,6 kg

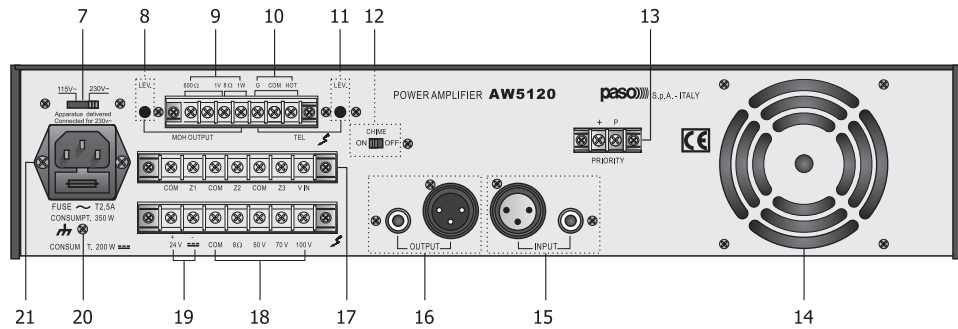
Layout dimensions



Front panel



Rear panel



Numbered references

1. Zone selection switches.
2. Output level indicator.
3. ON/OFF signalling lamp.
4. Mains switch.
5. General volume control.
6. Tone controls.
7. Mains voltage selector switch.
8. MUSIC ON HOLD output level adjustment.
9. MOH line and power outputs (1W/8Ω).
10. Balanced telephone input.
11. Telephone input level adjustment.
12. Chime ON/OFF.
13. Terminal strip for precedence contact.
14. Cooling fan air intake.
15. Line input.
16. Line output.
17. Terminal strip for selected zones.
18. Speakers output terminal strip.
19. Terminal strip for external DC power supply.
20. Frame connection.
21. Mains plug with built-in fuse.