

# AXD-123MP

120W Class D Amplifier



## Main Characteristics

- ✓ 120W de Class D Amplifier
- ✓ Selectable 4-16Ω or 70V speaker output
- ✓ Multiple music connection modes: USB, SD card, Bluetooth, AUX1, AUX2
- ✓ Bass and Treble Control
- ✓ Digital FM tuner
- ✓ Remote control for MP3 player module
- ✓ Standard 1U 19" rack design
- ✓ LED indicators for power, clip, protection and signal
- ✓ Front and rear panel MIC input
- ✓ MUTE attenuation equal to or greater than 50dB
- ✓ Inputs 1, 2, 3 and 4 with selector switch (MIC / AUX / Phantom power)
- ✓ MIC 1 with priority over MIC 2, 3, 4 and AUX 1 and 2
- ✓ Emergency input with priority over all other inputs
- ✓ Cooling by variable speed fan

## Technical characteristics

<b>Power (RMS):</b>	<b>120 W</b>
<b>Speaker output:</b>	4-16Ω or L100V
<b>Frequency response:</b>	50Hz ~ 16KHz (+1dB / -3dB)
<b>S/N Ratio:</b>	<b>MIC 1, 2, 3, 4</b> 66dB <b>AUX 1, 2</b> 80dB
<b>Distortion:</b>	Less than 0.5%
<b>Tone control</b>	Bass: ± 10 dB at 100 Hz Treble: ± 10 dB at 10 KHz
<b>Indicators:</b>	Short circuit, overload, temperature, power on
<b>Power supply:</b>	230V / 50Hz
<b>Max. consumption:</b>	160 W
<b>Dimensions:</b>	484 x 295 x 44 mm (1U)
<b>Weight:</b>	3,7 Kgs

<b>MIC 1, 2, 3 y 4 Inputs:</b>	5mV / 600 Ω (Balanced Euroblock)
<b>AUX 1, 2 Inputs:</b>	350mV / 10kΩ (Unbalanced RCA)
<b>Mixed signal Output:</b>	1V / 470Ω (Unbalanced RCA)
<b>Phantom power supply:</b>	48v (+/- 2v)
<b>PRIORITIES:</b>	MIC 1 over the rest (except EMC)
<b>Entrada EMERGENCY Input</b>	775mV / 10kΩ (Unbalanced Euroblock)



DIMENSIONS IN MILLIMETERS



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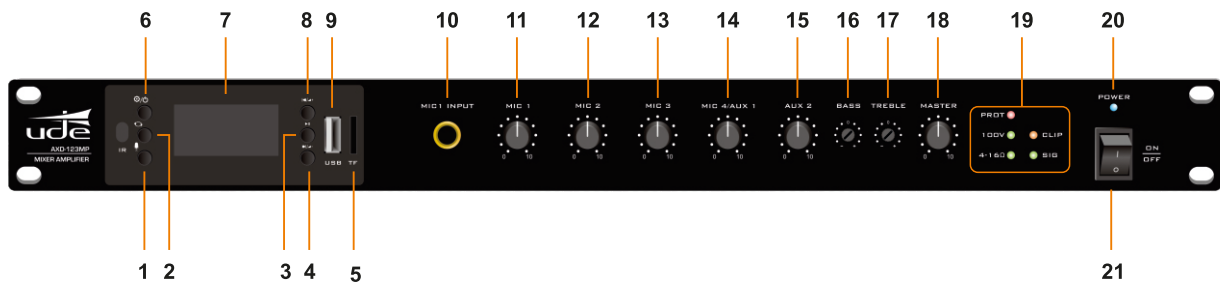
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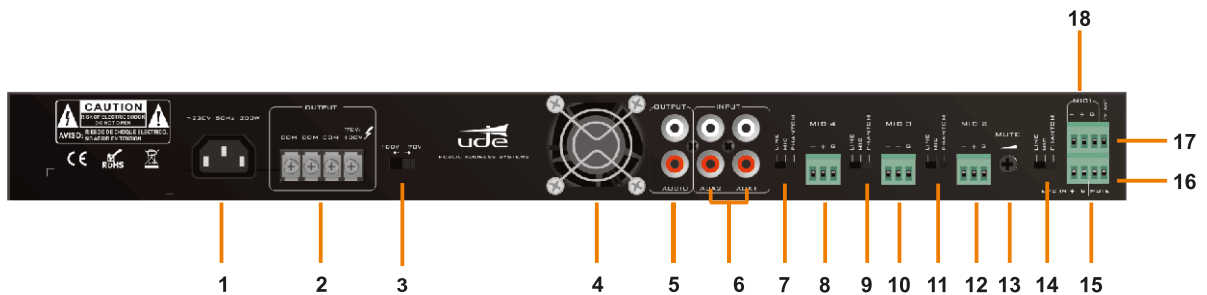
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## Front panel



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|----------------------------|------------------------------------|
| ① Recording                | ⑪ MIC1 Volume                      |
| ② Repeat                   | ⑫ MIC2 Volume                      |
| ③ Play / Pause             | ⑬ MIC3 Volume                      |
| ④ Previous song / Volume + | ⑭ MIC4/AUX1 Volume                 |
| ⑤ Micro SD input           | ⑮ AUX2 Volume                      |
| ⑥ ON / OFF MP3 Module      | ⑯ Bass                             |
| ⑦ Display                  | ⑰ Treble                           |
| ⑧ Next song / Volume -     | ⑱ Volume MASTER                    |
| ⑨ USB input                | ⑲ PROT / 100V / 4-16Ω / CLIP / SIG |
| ⑩ MIC1 Input               | ⑳ POWER                            |
|                            | ㉑ ON/OFF Switch                    |

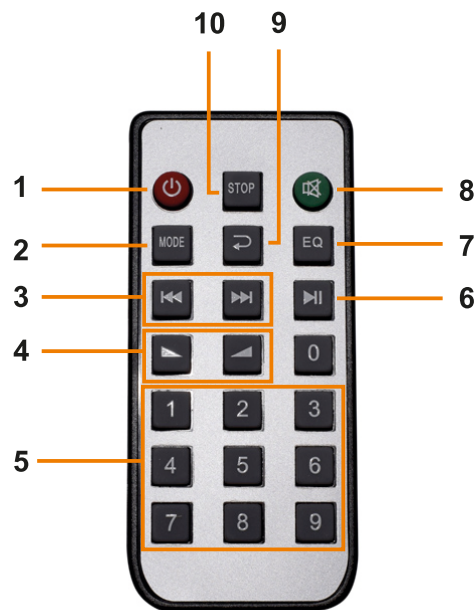
## Rear panel



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|--|--|
| ① 230VAC / 50Hz AC Power input                           | ⑪ Line input / MIC input / Phantom power switch for MIC2 |
| ② 4-16Ω or 100V Output                                   | ⑫ MIC2 balanced input                                    |
| ③ 4-16Ω or 100V output selector                          | ⑬ MUTE control   |
| ④ Ventilation  | ⑭ Line input / MIC input / Phantom power switch for MIC1 |
| ⑤ Line output  | ⑮ Emergency input  |
| ⑥ 2 x AUX Inputs   | ⑯ MUTE contact   |
| ⑦ Line input / MIC input / Phantom power switch for MIC4 | ⑰ Radio FM antenna input                                 |
| ⑧ MIC4 / AUX1 balanced input                             | ⑱ MIC1 balanced input                                    |
| ⑨ Line input / MIC input / Phantom power switch for MIC3 |  |
| ⑩ MIC3 balanced input                                    |  |

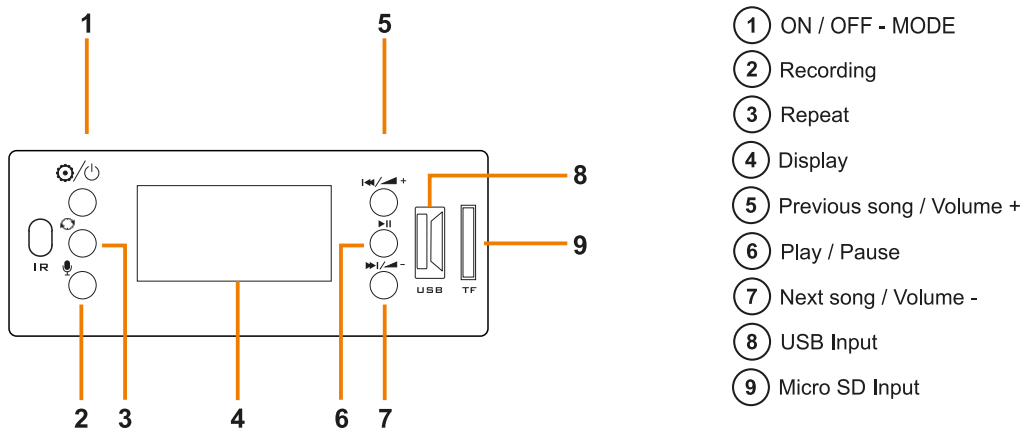
## Remote control

- ① On/Off
- ② MODE
- ③ Next / Previous song
- ④ Decrease / Increase volume
- ⑤ Numeric selection
- ⑥ Play / Pause
- ⑦ EQ Adjustment
- ⑧ Mute
- ⑨ Repeat
- ⑩ Stop reproduction



\*The remote control works only with the MP3 player module.

## MP3 Player module



1. Power on the MP3 module by pressing the ON / OFF button next to the display for 2 seconds.

Insert the USB device or Micro SD card containing the MP3 files to be played into the MP3 module. Once it has been detected, the selected input will appear on the display for a few seconds and then playback will start.

Press the **MODE** button to select the sound source: FM RADIO, BLUETOOTH, USB, Micro SD card or PLAYING (recording)

Press **⏮** briefly to return to the previous song. Press and hold to decrease the volume.

Press **⏸** briefly to pause the song. Press again to resume playback.

Press **⏭** briefly to listen to the next song. Press and hold to increase the volume.

**You can repeat the file(s) that are stored on the USB device using the button **🔄**. You can choose between single song repeat, repeat all, random or playlist repeat.**

## Bluetooth Connection

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1. Press the "MODE" button to select the Bluetooth connection mode. "BT" will appear on the display during the pairing process.
2. With the Bluetooth connection activated on the music source, search for the device "BP10\_TB". Pair the two devices.
3. Once synchronised, you can start playing files directly from the mobile phone or music source to which the AXD-123MP has been synchronised.

## FM Tuner



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1. Connect the antenna to the socket on the rear panel of the AXD-123MP.
2. Press the MODE button to select FM Tuner mode. The tuned FM frequency will appear on the display.
3. Press ►|| to start the automatic frequency search.
4. To search for frequencies manually, use the ◀◀ and ▶▶ buttons on the MP3 player module until the desired frequency is found.

## Recording

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You can record any of the AXD-123MP's inputs using the record button on the MP3 module.

1. In PLAYING mode, using the MODE button, press briefly  to start the recording.
2. Once finished, press again to end the recording. The recording will be saved in a new folder on the USB device or Micro SD card. (If you have the Micro SD card and the USB device inserted at the same time, the recording will be saved on the USB device).
3. To play the recorded track, the MP3 module must be in PLAYING mode. Press and hold  for two seconds to start playback of the recorded file. The files in the folder that has been created with the recorded files will be reproduced.
4. Press and hold for two seconds to end the playback.