



Installation & Operation Guide

ADS120D Plus

Mixer Amplifier



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Product Compliance to EC directives for Standard Products

All standard products conform to the relevant directives, regulations and standards for electronic and associated apparatus. The equipment is CE marked both on the apparatus and the packaging.

Our products meet the appropriate British and International standards. A product 'Declaration of Conformity' Statement is available for each of the product ranges (available on request). This covers both the Electromagnetic Compatibility (EMC) and Low Voltage Directives.

UNPACKING

While all ADSworldwide equipment is carefully packed to prevent damage in transit, we recommend that the equipment is unpacked and inspected immediately on receipt. If damage has occurred please advise your carrier and your supplier who will arrange appropriate action.

If it is necessary to re-pack the equipment for onward shipping or returning to ADSworldwide for service **PLEASE ENSURE THAT THE ORIGINAL PACKING OR EQUIVALENT IS USED.**

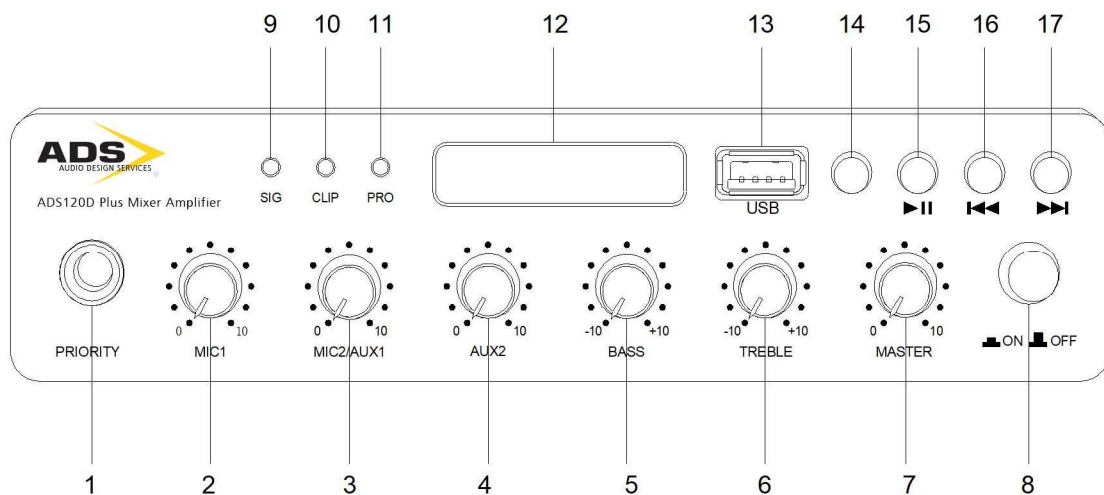
1. Product Description

1.1 Features

- Integral USB audio player.
- Bluetooth connectivity for wireless streaming.
- Signal level indicator (SIG), Clip Indicator (CLIP), and Protection indicator (PRO).
- 2 MIC inputs, 1 with phantom power and 1 with priority, 2 line inputs.
- 100V input and line auxiliary inputs.
- With short-circuit, overload and high temp protection, temperature-controlled fan.
- Individual volume control for Mic 1-2, line 1-2, bass/treble and master volume control.
- Remote control.

2. Appearance Description

2.1 Front panel



1. Mic 1 priority input

2. MIC1 volume adjustment

Adjust the volume of **MIC1**, turn clockwise to turn up, turn counter clockwise to turn down.

3. MIC2/AUX1 volume adjustment

Adjust the volume of **MIC2/AUX1**, turn clockwise to turn up, turn counter clockwise to turn down.

4. AUX2 volume adjustment

Adjust the volume of **AUX2**, turn clockwise to turn up, turn counter clockwise to turn down.

5. Bass volume adjustment

The central position as the benchmark, turn counter clockwise to turn down the bass, turn clockwise to turn up the bass

6. Treble volume adjustment

The central position as the benchmark, turn counter clockwise to turn down the treble, turn clockwise to turn up the treble

7. Master volume adjustment

Adjust the level of all signals, turn clockwise to turn up the volume, turn counter clockwise to turn down the

volume.

8. Power switch

Press “ON” to turn on the power, press “OFF” to close the power

9. Signal level indicator (SIG)

10. Clip Indicator (CLIP)

11. Protection indicator (PRO)

12. Display screen

13. USB interface

Insert the USB drive to provide audio playback

14. Mode selector

Bluetooth or Aux

15. Play/Pause

In USB and Bluetooth mode, pause play

In Line mode, this key is to mute

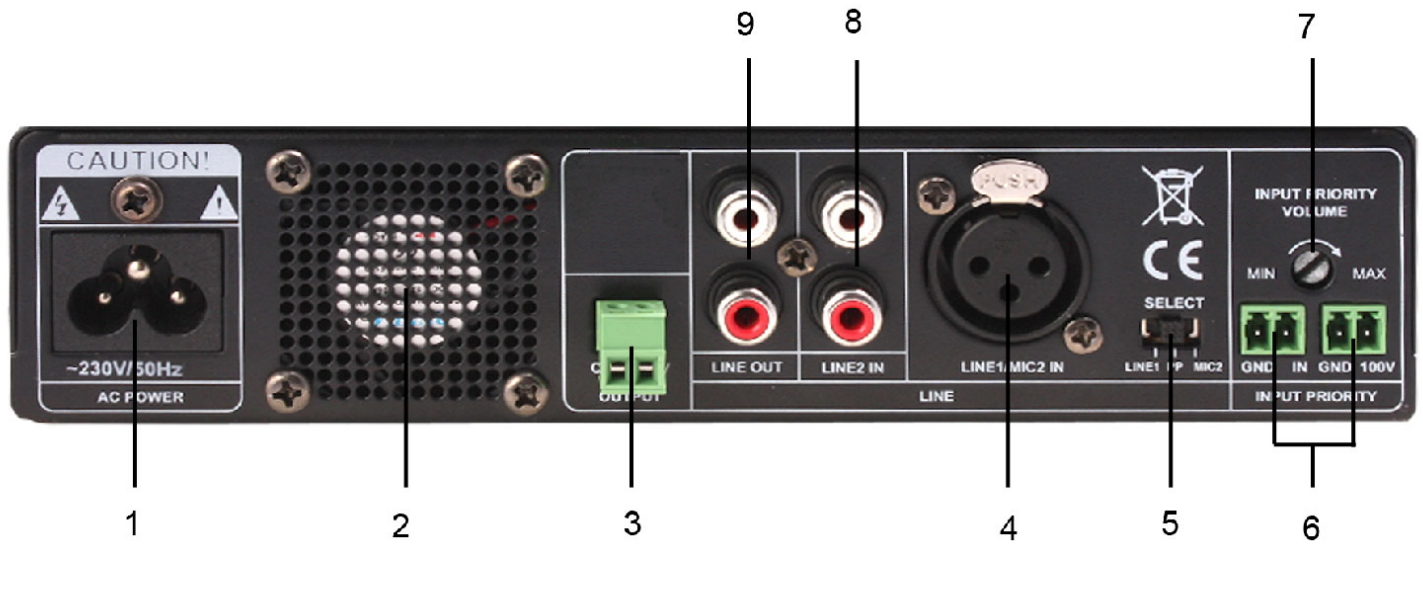
16. Last song

In USB and Bluetooth mode, press this key to switch to the “last song”, long press this key to turn down the volume

17. Next song

In USB and Bluetooth mode, press this key to switch to the “next song”, long press this key to turn up the volume

2.2 Rear panel



1. AC 220-240V Power input socket

The interface is to supply the working power. Insert the plug onto the machine, then connect the power grid.

2. Cooling fan window

3. Speaker output interface

100V line

4. LINE1 /MIC2 IN balanced input interface

Can connect with microphone or other external audio

5. LINE1/PP/MIC2 switcher

LINE1/PP/MIC2 audio selection switcher, can left and right slide to choose AUX1 or MIC2 or phantom power for MIC2 (PP switch)

6. Priority & 100V input interface

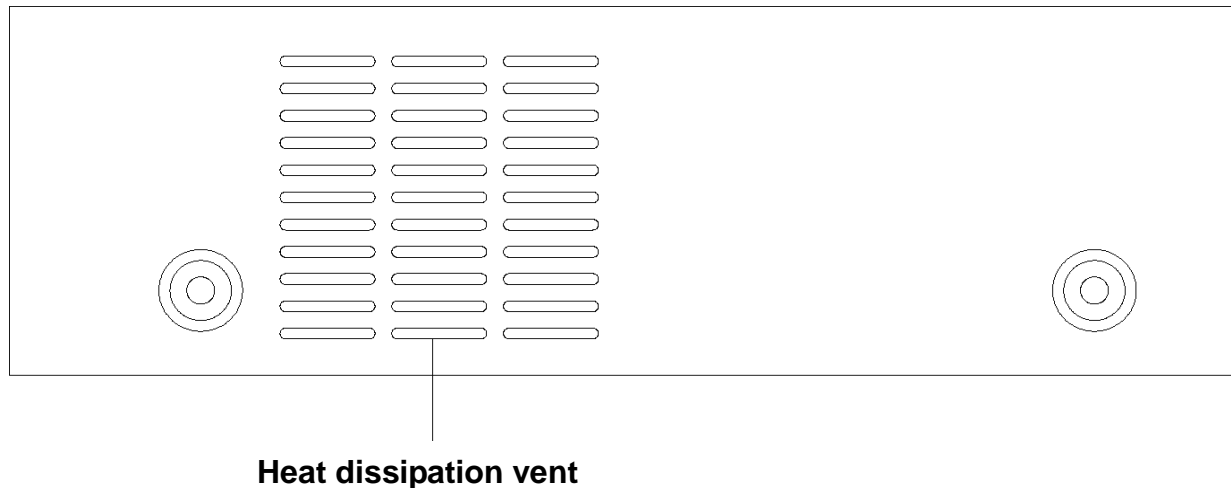
This interface has the highest priority input.

7. Priority input volume adjustment

8. AUX2 input interface

9. Line Out

2.3 Side Panel



3. Audio source selection

The mode selector (M) button is located the front panel and is used to select Bluetooth or Aux inputs

3.1Bluetooth mode

Press MODE to display “bt” on the digital screen, the “bt” will always flash until device and mobile phone pairing success. After finishing the pairing, the user can play music on the mobile phone or other Bluetooth enabled product.

3.2 Line mode

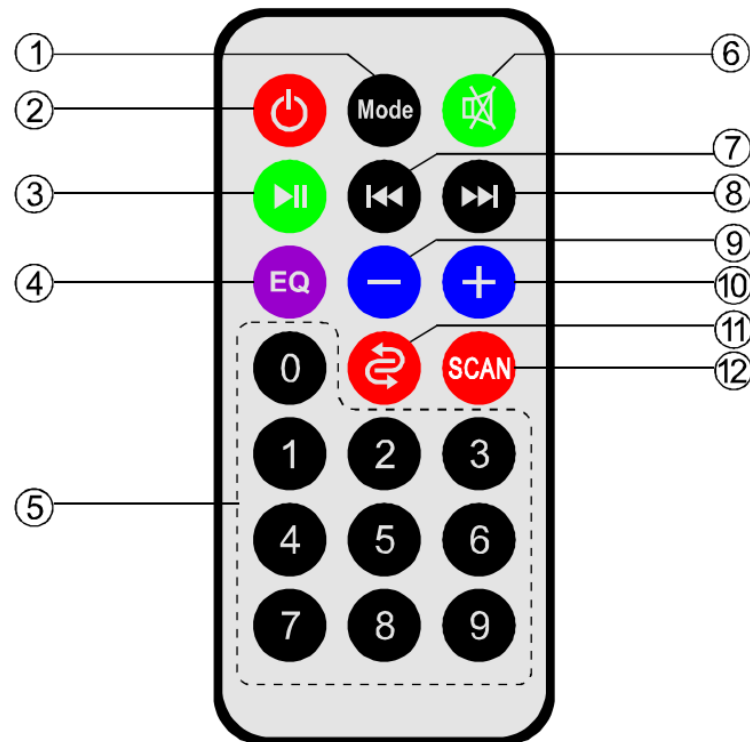
In line mode, press MODE, digital screen will display “Aux”

3.3 USB mode

When the USB drive is plugged in the digital screen will display “USB” and start playing files stored on it.

4. Remote Control Instructions

As shown in the following figure:



Function key description:

- ① Mode main function key, working mode switch.
- ② Power switch
- ③ Play & Pause/
- ④ EQ sound effect
- ⑤ 0-9 song selection key, can be composed of digital channel selection
- ⑥ Mute key
- ⑦ Last song/
- ⑧ Next song/
- ⑨ Vol -
- ⑩ Vol +
- ⑪ Single repeat
- ⑫ Record key

General Installation

- **ALWAYS** ensure that the equipment is properly earthed (grounded). Operating without an earth is dangerous and may cause high levels of audible hum from the speaker outputs.
- **NEVER** remove the top cover of the amplifier or make an internal adjustment with the ac mains supply connected. All internal servicing should be performed by a competent and qualified engineer.
- **DO NOT** expose the unit to rain or moisture. If any fluids or foreign objects should enter the unit, disconnect the power plug immediately.
- **DO NOT** site the equipment in locations exposed to direct sunlight, near heaters or other heat sources. Avoid locations with high humidity or dust levels.
- **DO NOT** obstruct the ventilation slots in the amplifier case and allow adequate ventilation. (Ensure that a 1U ventilation panel is fitted above the unit if the amplifier is rack-mounted.)
- **DO NOT** run microphone cables near mains, data, telephone or 100V lines.
- **AVOID** jointing the microphone cables if possible. If this is unavoidable, make sure a good screen connector is used.
- **ALWAYS** use a balanced or floating low impedance microphone on long microphone runs, terminating in a balanced input.

Packing list

No.	List	Quantity
1	ADS120D Plus Mixer Amplifier	1
2	Manual	1
3	Mains Lead	1
4	Remote control	1

Specification

Model		ADS120D
Rated Power		120W RMS
Speaker Output		100V
Sensitivity	MIC	0.006 VRMS
	Line	0.3 VRMS
	100V-IN	100 VRMS
SNR	MIC	$\geq 74\text{db}$ (Maximum)
	AUX	$\geq 80\text{dB}$ (Maximum)
Frequency Response		80Hz-15kHz ($\pm 3\text{dB}$)
Distortion		$\leq 0.5\%$
Power Supply		AC220V- 240V,50-60Hz
Tone	Bass	$\pm 10\text{dB}$ (100Hz)
	Treble	$\pm 10\text{dB}$ (10KHz)
Power Consumption		150W
Size (W×H×L)		200×190×44mm
Net Weight		1.5kg
Gross Weight		2kg

Technical specifications are subject to change without prior notice.