HDL®

Parameters

Electrical Parameters:

Working voltage	DC48V
Static Power	4W
Audio input voltage	0.7VPP
Audio output resistance	32Ω
Output resistance	RL=4Ω , RR = 4Ω
Output power	50W×2
Harmonic distortion	<0.05%
SNR	97dB
communication	Audio in/out
	Dry contact in/out

Environmental Conditions:

Working temperature	-5℃~45℃
Working relative humidity	Up to 98%
Storage temperature	-20℃~+60℃
Storage relative humidity	Up to 93%

Approved

CE
RoHS

Product information:

Dimensions	180×180×33 (mm)
Net Weight	811g
Housing material	Glass , ABS, steel plate
Installation	Desk/ wall hanging / DB box
Protection degree	IP20

Important Notes

- Check the connection, avoid any mistake
- Speaker resistance not less 4Ω
- Screw down strength is less than 0.4Nm
- The module has the terminal box. If you don't need, you should tell us in advance

Overview

HDL-MZAP.20 Audio amplifier, Class-D amplifier, low distortion, wide bandwidth, high efficiency, high power output, with mono and stereo selection, with preset volume.
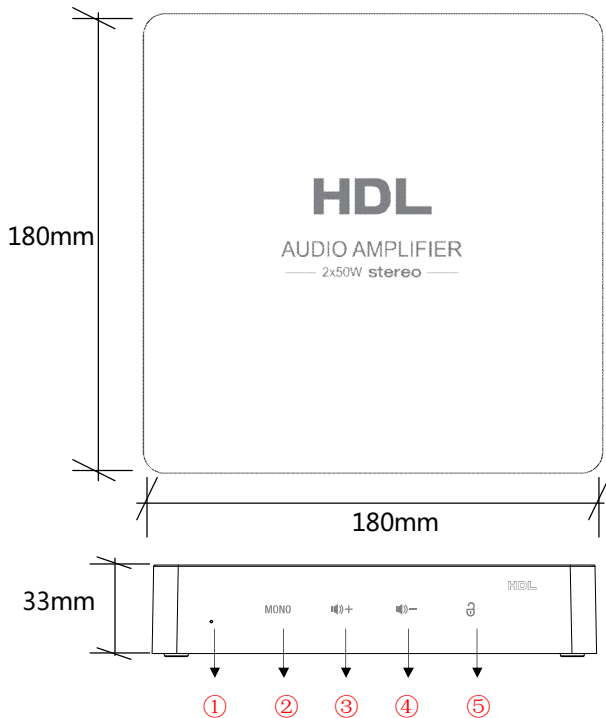
Functions

- Class-D audio amplifier.
- Preset volume.
- Mono / stereo selection.
- Standby and working controlled by dry contact.
- Supply power for music play box.
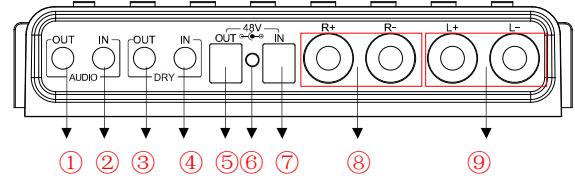- If more speakers are needed for a large space, the user can add one more amplifier to the system.

Installation Step

- Connect MZAP.20 to the special Power supply
- Connect MZAP.20 to music play box.
- Check the power supply cable connection
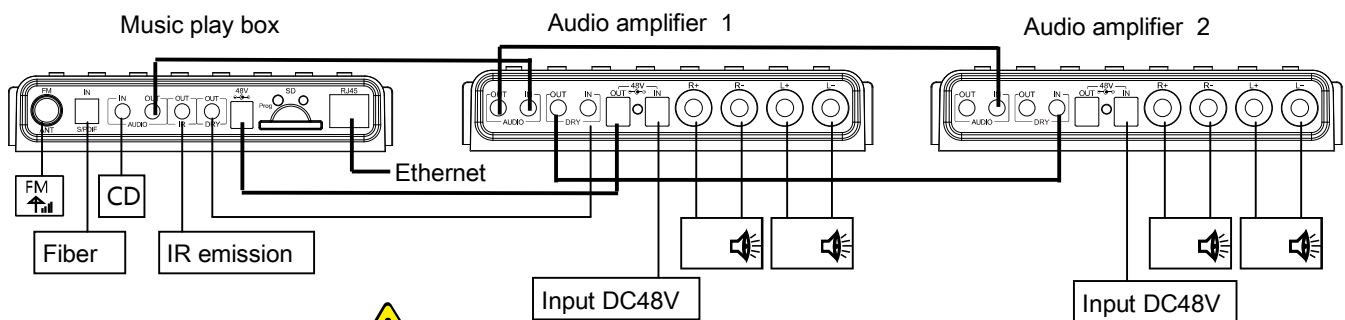- Check the cable to MZBOX.20, avoid any mistakes of connection

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Dimensions and Wiring

180mm

180mm

33mm

MONO 🔊+ 🔊− 🔒

① ② ③ ④ ⑤

① power indicator

② mono indicator ,

③ volume up

④ volume down

⑤ lock and indicator, long push for 5s will

unlock / lock the touch panel .

OUT IN OUT IN 48V OUT ←●→ IN R+ R− L+ L−

AUDIO   DRY

① ② ③ ④ ⑤⑥ ⑦ ⑧ ⑨

① Audio output , connect to another audio in for another amplifier.

② Audio input , connect to audio out of music play box

③ Dry contact output, for next amplifier control.

④ Receive dry contact signal from music box and control the amplifier.

⑤ Input DC48V

⑥ Power indicator

⑦ DC48V power supply for music play box.

⑧ Terminal + and - for right channel speaker.

⑨ Terminal + and - for left channel speaker.

Music play box   Audio amplifier 1   Audio amplifier 2

Ethernet

FM CD Fiber IR emission

Input DC48V   Input DC48V
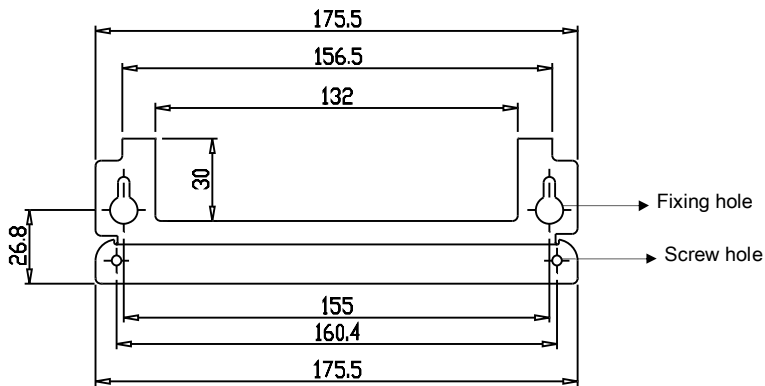
Safety precaution ⚠ WARNING

- Ensure good ventilation.
- Never let the liquids get into the module, it will damage this devices
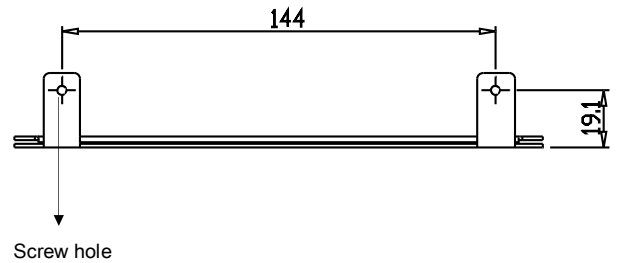- Avoid contact with liquids and aggressive gases.
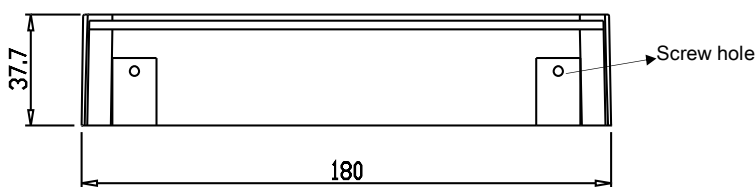
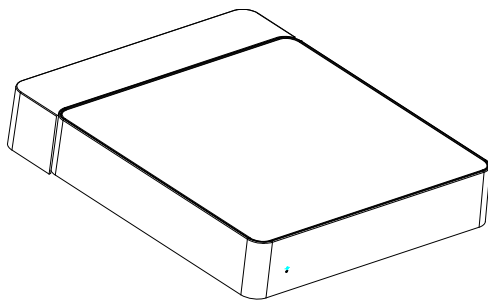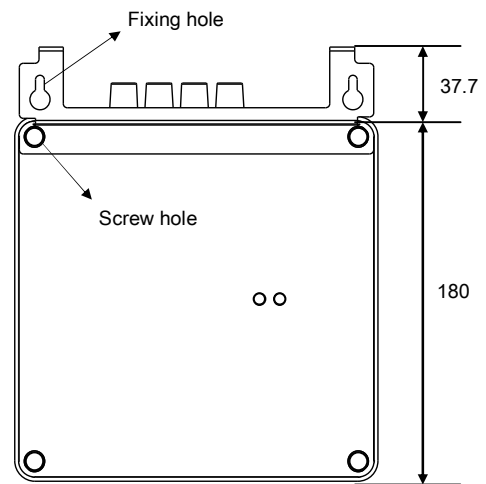## Packing List

- Datasheet*1 / HDL-MZAP.20*1

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Dimensions

Front view

175.5
156.5
132
30
26.8
155
160.4
175.5

→ Fixing hole

→ Screw hole

Top view

144
19.1

Screw hole

Terminal box

37.7
180

→ Screw hole

Fixing hole

37.7

Screw hole

180

Effect picture

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