Parameters

Electric Parameter ：	
Working voltage	DC48V
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 Condition：	
Working temperature	0℃~45℃
Working relative humidity	40%~98%
Storage temperature	-20℃~+60℃
Storage relative humidity	10%~93%
Approved	
CE	
RoHS	
Production information：	
Dimensions	180×180×33 (mm)
Net Weight	811g
Housing material	Glass , ABS, steel plate
Installation	Desk/ wall hanging / DB Box
Protection degree	IP20

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 need more speaker for big space, can use one more amplifier

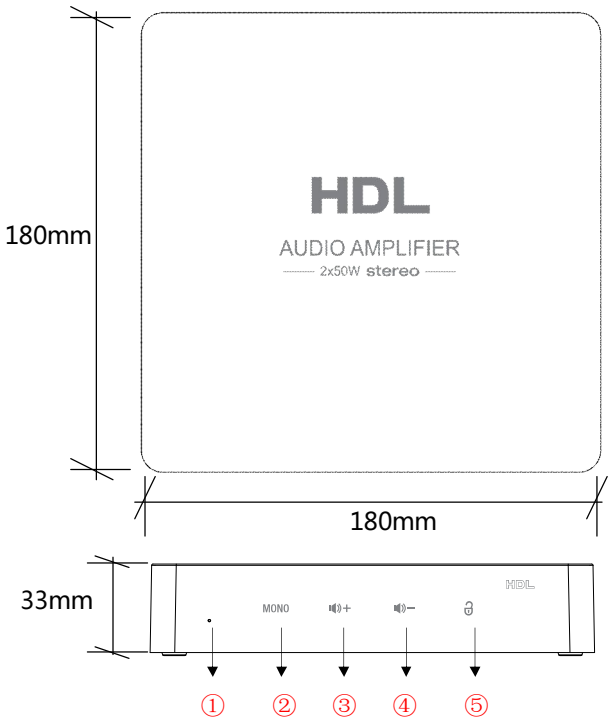
Important Notes

- Check the connection, avoid any mistake
- Speaker resistance not less 4Ω
- Screw down strength is less than 0.4Nm

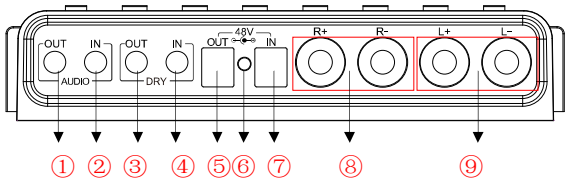
Installation Step

- 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

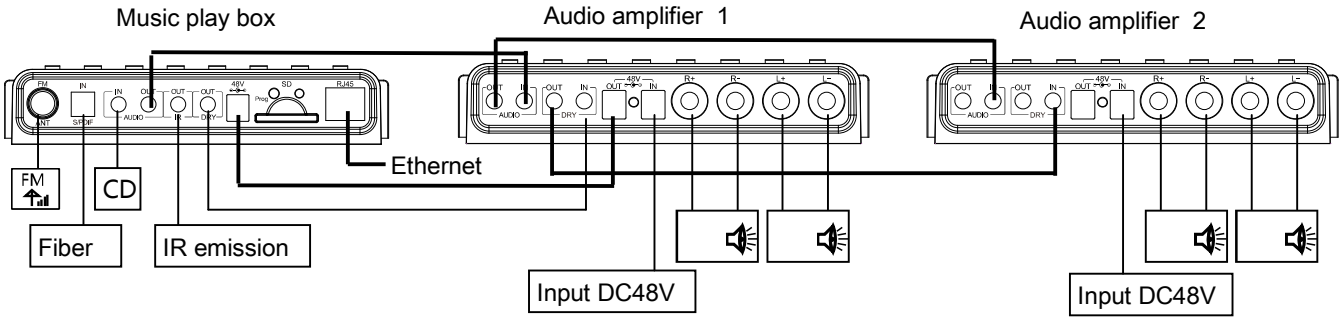
Dimensions and Wiring



① power indicator
② mono indicator ,
③ volume up
④ volume down
⑤ lock and indicator , long push 5s will unlock / lock the touch panel .



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 Input of dry contact from music play box for standby and working
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.



Safety attention

WARNING

- Assure a good ventilation circumstances
- Avoid the rain or water into module, it will damage this devices
- Rain, liquid, and aggressive gas are not allowed to close to it