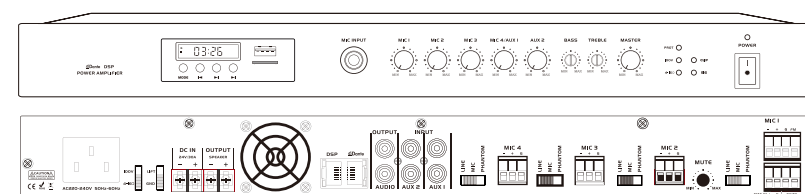# Qtex

Class D Mixer Amplifier with Audio Sources

QAA MA240AD
QAA MA350AD
QAA MA500AD

CE

Mixer Amp with Built-in USB/SD/AUX/Tuner/Bluetooth

QAA MA240AD @240W RMS Power
QAA MA350AD @350W RMS Power
QAA MA500AD @500W RMS Power

Description:

Highly flexible mixer amplifiers available a 240, 350 and 500W RMS power and equipped with all necessary microphone and aux inputs for a wide variety of voice and background music applications such as retail shops, restaurants and bars, service centers, houses of worship, warehouses and many more.

Features:

▶ Priority:EMC >MIC1>MIC2, MIC3,MIC4, AUX1, AUX2

▶ 4 microphone and 2 auxiliary inputs

▶ 100V and 4-16 Ohms rear panel switchable speaker outputs

▶ Automatic mute function for paging and announcements

▶ Individual input gain controls with master volume control

▶ Mp3/TUNER/Bluetooth module with screen display

▶ Standard 1U 19 inch size with detachable mounting ears

▶ Speaker output short circuit protection

Specification:

Model Number	QAA MA240AD	QAA MA350AD	QAA MA500AD
Rated Power Output	240W	350W	500W
Output	100V or 4 - 16 ohm switchable		
Frequency Response	80-16000Hz,+/-3dB		
THD	Less than 0.5% at 1kHz (1/3 Rated Power)		
S/N Ratio	Better than 80dB		
Tone Controls	BASS: 100 Hz (+/- 10dB), TREBLE: 10k Hz (+/- 10dB)		
Controls	All input gain, 1 treble, 1 bass, 1 mute, and power switch		
Cooling	Internal 24 VDC fan, extensive heat sinking		
Indicators	Power indicator LED, PROT, 100V, 4-16 OHM, CLIP, SIG		
Protection	Current limiter, short circuit and thermal protection circuits		
Power Consumption	330W	470W	650W
Power Requirments	220-240V AC, 50/60 Hz;		
Dimensions	44.5(H) x 483(W) x 330(D) mm		
Built-in Dimensions	1 U rack 19 inch		
Net Weight	5.6kg	5.7kg	5.7kg
Finish	Panel: Aluminium plate, black Case: steel plate, black		

®Note that after the phone Bluetooth is turned on, the search for the Bluetooth paired phone must be set to allow all devices to detect, otherwise the search pairing may not be completed.

®After searching for the device, click on the searched device, it will automatically connect and pair.After the pairing is completed, the phone music could be played normally.

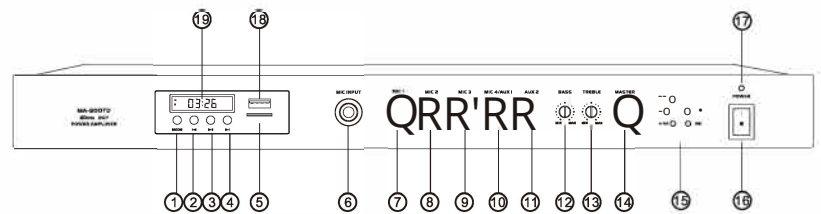@Bluetooth name: MA Amplifier. Bluetooth pairing password: 1111

8.The recording function description of FM Module:

First, connect the antenna that is packaged with the product to the "ANT" port on the rear panel of the machine through the Phoenix terminal. The other end of the antenna is placed in an open space, such as the side window, and then set the working mode of the MP3 module on the machine to FM mode. Search for stations and save them automatically by pressing the play/ pause button on the machine panel or on the remote control. After the automatic search of the standby device is completed, select the station that you like to listen to by pressing the previous song or the next song button on the machine panel or on the remote control.(Remarks: The machine has a power-off memory function, and the FM frequency range is: 87.50-108.00MHz)
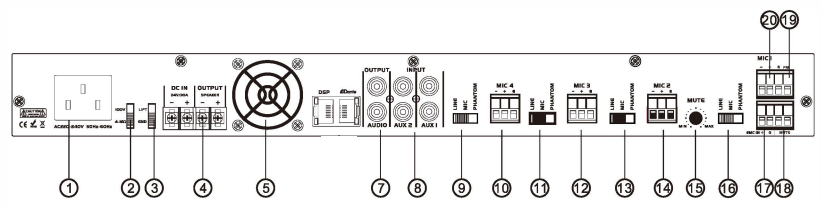
Troubleshooting

Failure phenomena	Failure cause
1.Power switch is not opened	1.Power line is **cut off** 2.The protection function of the equipmentis not activated
2. Alllines are cnnected, but there is nosound	1.The power switch is not opened or the power plug is bad contacted. 2.The fuse is burnt 3.The volume knob is not opened or turned down to a extra low level 4.There is no audio signal input 5.There is short-circuit in the speaker line.
3.The sound suddenly disappears in normal status.	1.The equipment is in very high temperature to make it in to protection status. 2.The connection wire is bad contact.
4.Low sound	The equipment is set to below impedance connection, but the speakers connected is with high impedance.
5.Sound is distorted	The input level of Micro external equipment is too high

Diagram

1.MP3 mode selection
2.PREV/VOL reduce
3.Playback/Pause
4.Nexl/volume plus
5.SD/MMC card slot
6.MIC1 unbalanced input jack
7.MIC1 volume control knob
8.MIC2 volume control knob
9.MIC3 volume control knob
10.MIC4/AUX1volume control knob
11.AUX2 volume control knob

12.BASS adjustment potentiometer
13.TREBLE adjustment potentiometer
14.Master volume control
15.PROT/1 OOV/4-160/CLIP/SIG status indicators
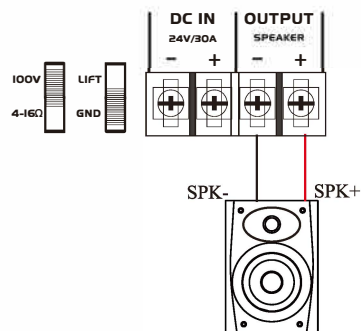16. Power switch
17.Power indicator
18.USB interface
19.LED display

1.AC power input socket
2.1OOV/4-160 output interface; 24VDC back up battery input, not available for AD version
3.Input grounding switch
4.1OOV/4-160 speaker output switch
5.C ooling fan

7. Line output interface, used to connect the line input interface
8.2 channel AUX input interface, used to connect AUX output interface
9.Line inpul/Micinpul/Phantompower switch for MIC4
1O.MIC4/AUX1 Balance input switch for MIC3

11.Line input/Mic input/Phantom power
12.MIC3 Balance input
13.Line input/Mic input/Phantom power switch for MIC2
14.MIC2 Balance input
15.MUTE control switch
16.Line input/Mic input/Phantom power switch for MIC1
17.EMC input interface
18.MUTE signal input port
19.FM radio antenna interface
20.MIC1 Balance input

Operation

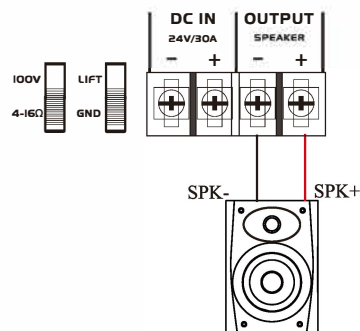### 1.Connect the speakers:

① When the 100V and 4-16Ω selector switch to100Vposition, asshownbelow:

② When the 100V and 4-16Ω selector switch to 4-16Ω position, as shownbelow:

Constant pressure speaker: According to the rated power of the power amplifier, connect the constant power speaker

Fixed resistance speaker:4-16Ω

Note
1.Before connecting the speakers, please make sure that the equipment is powered off. In the case of power on, may have the risk of electric shock.
2.Please make sure there are no applied load to the speaker cables.
3.During the installation of speakers,please make sure that the sum of the rated input power of the speakers to be connected is less than rated power of equipment.

2.Connect external devices
① Please ensure that the equipment and all equipment will be connected are powered off.
② Using the corresponding cable to connect this equipment and other external equipment. :

3.Connect the power line and turn it on
① Please make sure that the power switch of equipment and its connected equipment are turned off (in the OFF position).
② Turn the volume knob to the left
③ Connect the supplied power line to the AC IN interface
④ Plug the power line into the applicable socket
⑤ Turn on the connected equipment (CD player, etc.), and then turn on the equipment.

Note
1.Before powering on, please check and make sure there is no problem with the cable and connection.
2.When you turn off the system, turn off the equipment, and then turn off the connected equipment.

Display Screen

4.Microphone using:
1.Turning the volume knob to the left, Connect the microphone and microphone input interface.
2.Turning the volume knob in the right position.
3.Facing the microphone and Speak loudly, turn the volume knob to the right, until the output signal no longer distortion. If input is high but output is low voice, and then increase the volume by using the volume knob. If the speaker volume is very high, then reduce the volume by using the volume knob.

5.Shutdown the system:
1.Turning the volume knob to the left until the minimum position.
2.Turning off the panel power switch of the professional power amplifier,at 0ff.Inturnshutoff processor equipment and audio source equipment.

Note
1.Turn off the power switch,Please wait about 5 seconds before turning on again.Continuous rapid turning on and off the power switch,it will lead to equipment failure.
2.Even the switch is in the off status, there will be a little current in equipment. If it won't use the equipment in a long time, please unplug the power cord from the wall AC socket.

6.Built-in MP3 player operation method

① USB and TF card interface with functions of "priority to automatically play audio".
② "MODE"button: press the "MODE": choose radio, bluetooth or audio playback.
③ "⏮" button: If press quickly, it is last song; Long press is the volume decrease.
④ "⏯" button: When playing music, press one time quickly is pause, press again is play.
⑤ "⏭" button: If press quickly, it is next song; Long press is the volume increase.

Note
1. When using the built-in MP3 player buttons, please pay attention the strength when control, avoid excessive force to cause damage of MP3 player button.
2. When insert SD card or USB interface,Please insert in a right way,avoid the wrong way or too hard to cause the damage of the SD card or USB interface.

7.Operating method of Bluetooth of Mobile phone
① Press the "MODE" button on the MP3 player to select the setting to Bluetooth mode.
② Enter the settings of your phone and find the relevant settings for Bluetooth.
③ Tap the Bluetooth switch to turn it on. If it is already on, you can ignore it. The setup interface may vary slightly from different phone systems.