



MIXING AMPLIFIERS



USER GUIDE

QAA ZHG060
QAA ZHG100
QAA ZHG150
QAA ZHG250
QAA ZHG350
QAA ZHG500
QAA ZHG650

PUBLIC ADDRESS SYSTEM

Main Technical Parameters

Model		QAA ZHG060	QAA ZHG100	QAA ZHG150	QAA ZHG250
Parameter					
Rated Power		40W	80W	120W	260W
Output Mode	Main	4-16ohm/70V/100V			
	Zone	100V for 6 Zones			
Frequency Response		80Hz-18KHz±2dB			
Sensitivity		AUX: -10dB MIC: -52dB			
Signal Noise Ratio		≥80dB			
Monitor Output		+4 dB			
AC Input		AC 220-240V 50-60Hz			

Model		QAA ZHG350	QAA ZHG500	QAA ZHG650
Para				
Rated Power		380W	500W	650W
Output Mode	Main	4-16ohm/70V/100V		
	Zone	100V for 6 Zones		
Frequency Response		80Hz-18KHz±2dB		
Sensitivity		AUX: -10dB MIC: -52dB		
Signal Noise Ratio		≥80dB		
Monitor Output		+4 dB		
AC Input		AC 220-240V 50-60Hz		

Thank you for using ZHG Series Public Address Amplifier, please carefully read the user guide before any operation.

The products includes pre-amplifier so you can directly connect the sound source and play it! The amplifier has Outputs: main 4-16ohm/70V/100V, 6 Zones 100V and Inputs: 2 AUX Inputs, 2 MIC Inputs and MIC-I with Microphone Priority, USB/SD Card, FM Radio, Bluetooth etc. Both of the 6 Zones, 2 Aux, 2 Mic, USB/SD and Bass/Treble Volume can be controlled individually.

This Amplifier have over-current protection, over-voltage protection, short-circuit protection, DC protection and Boot time delay etc.

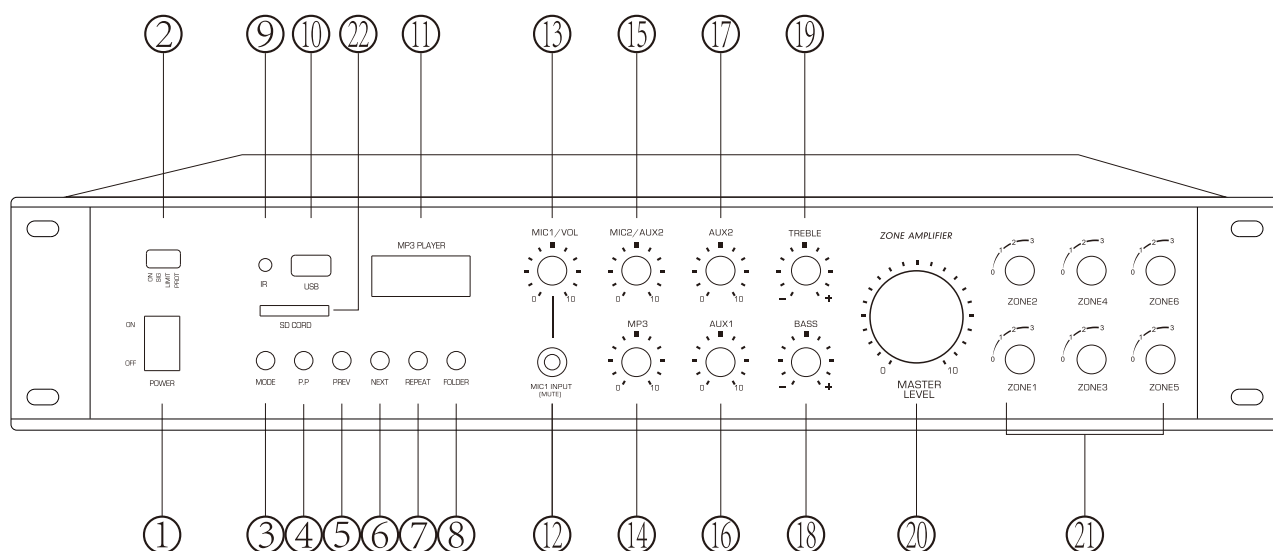
Service Regulations

- 1.Preparation
- A. Check all the input interface and ensure all the interfaces are intact. The Interfaces includes 2 Auxiliary Input, 2 Microphone Input, USB Port, SD Port and FM, Bluetooth etc.
- B. Ensure that the external load is less than the machine rated load, or the amplifier will not work normally.
- C. Check the Grid that will be used, if the Grid seriously fluctuates or is over 240V then you need a AC Stabilization Voltage Power.
- 2.Start
- A. Insert the power plug into an 220-240V 50-60Hz outlet.
- B. Connect the Input Signal.
- C. Connect the Load Speaker.
- D. Turn on the power, and slowly turn up the volume, observe the Output Level LED and ensure the amplifier is not overloaded.

Caution

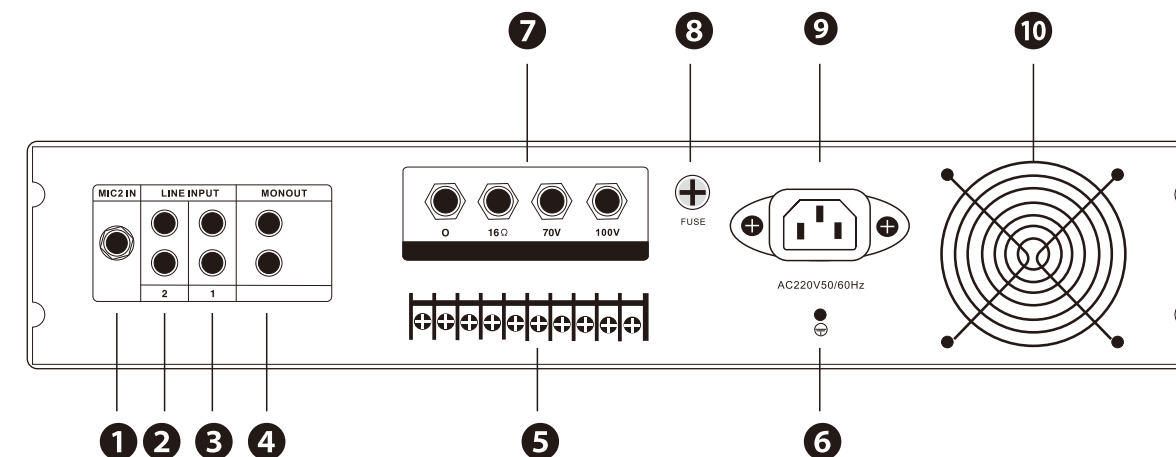
1. Although the machine has reliable short circuit protection, we suggest you to use carefully and avoid short circuit in order to increase the service life.
- 2.The machine should be moisture-proof packaged and make sure prevent vibration during handling.
3. If the amplifier is overloaded, please turn down the volume.

Front Panel



- | | |
|-------------------------------|--------------------------------------|
| 1. Power Switch | 11. True Color LCD Screen |
| 2. Power Indicator LED | 12. MIC-1 Input |
| 3. Mode Select | 13. MIC-1 Volume Control |
| 4. Play/Pause Switch | 14. Mp3 Volume Control |
| 5. Short Press: Previous Song | 15. MIC-2 Volume Control |
| Long Press: Turn Down Volume | 16. AUX-1 Volume Control |
| 6. Short Press: Next Song | 17. AUX-2 Volume Control |
| Long Press: Turn Up Volume | 18. Bass Volume Control |
| 7. Repeat Mode Select | 19. Treble Volume Control |
| 8. Repeat Folder Select | 20. Main Volume Control |
| 9. IR Receiver | 21. 1-6 Zone Volume Control(3 Level) |
| 10.USB Port | |

Back Panel



- | | |
|--------------------------------|-----------------------------------|
| 1. MIC-2 Input | 6. Ground Screw |
| 2. AUX-2 Input | 7. 70V/100V/4-16Ω Main SPK Output |
| 3. AUX-1 Input | 8. Fuse |
| 4. Line Output | 9. AC Power Socket |
| 5. 100V SPK Output for 6 Zones | 10. Radiator Fan |

Connect and Operate

- * Please confirm the power supply voltage is in conformity with the machine.
- * Please turn off the power when connect input and output.
- * Please confirm the speaker load is in conformity with the machine.
- * Turn down the main volume when turn on the power.