



# Instruction Manual



## **P648BA**

Public Address 100V Line 6 Zone Mixer Amplifier  
with Remote Control

Thank you for buying your Eagle PA Amplifier.  
This is a professional product designed for installation use.



This manual forms part of the product and should be kept with the unit at all times. Should the unit be sold or moved on then the manual must be included.

## **SAFETY AND WARNINGS**

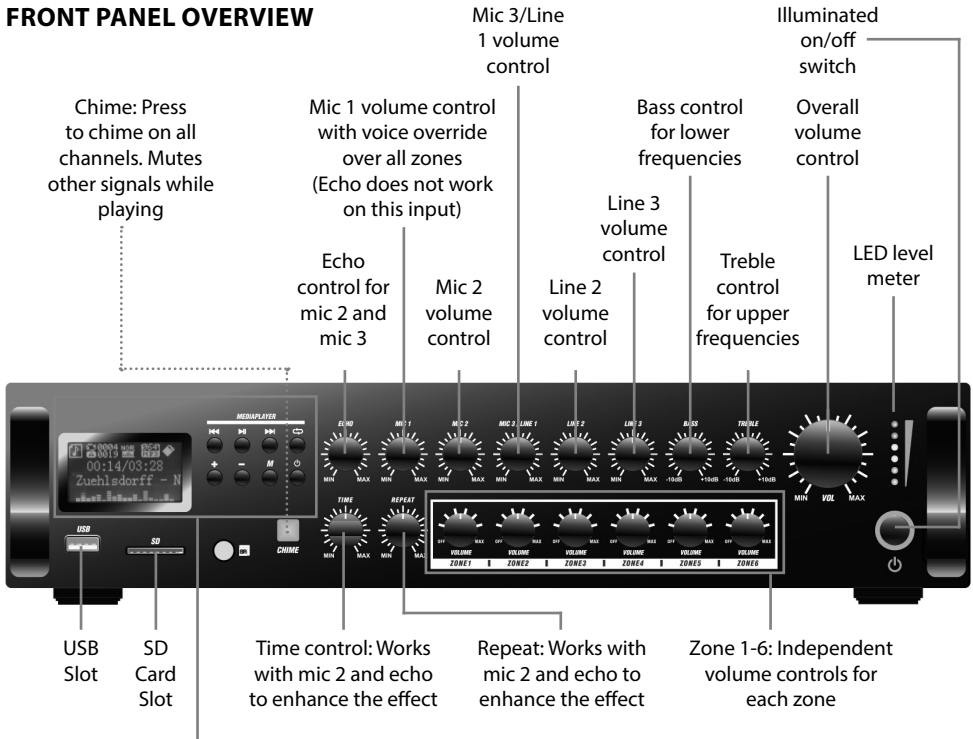
Please read these instructions carefully before use.

**This product and its mains lead must be checked before use for any signs of damage.**

**If any is detected, then do not use and contact your supplier.**

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- For indoor use only.
- Do not use in bathrooms, wet rooms or other damp locations.
- Do not place the mains lead beneath a carpet or rug.
- Do not use this appliance in locations where paint, petrol or other flammable liquids are used or stored.
- Please ensure the appliance is switched off and unplugged when not in use.
- Do not use the appliance for other than its intended use.
- Do not insert any object into the appliance through the grilles. This may damage the product or result in overheating or electric shock.
- Periodically check this product and its mains lead for any signs of damage. If any damage is detected stop using it immediately and consult your supplier.
- Only use this product on a flat, stable surface.
- Do not leave this product unattended when in use.
- There are no user serviceable parts in this product
- Do not move or knock this product while in use.
- Do not obstruct the air intakes or exhaust vents
- This product must only be used in an upright position.
- Do Not Cover
- Do not use in areas with high concentrations of dust or fibre particles.

## FRONT PANEL OVERVIEW



### MEDIA PLAYER

Mode Button (m): Enables selection between Bluetooth, USB, SD card or radio modes

#### Bluetooth:

- Select Bluetooth via the mode button, and accept on your device (Code: BT Amplifier)
- + Increases volume
- - Decreases volume

#### Radio:

- Select radio via the mode button.
- Press >|| to start a scan, scans available FM stations and stores them
- + Increases volume
- - Decreases volume
- >>| Press moves up pre-stored radio stations
- <<| Press moves down pre-stored radio stations

#### USB/SD Card:

- Select USB/SD Card mode and plug in the device
- + Press increases volume
- - Press decreases volume
- <<| Press moves up the track selection
- <<<| Press moves down the track selection
- > || Press pauses
- Repeat: Repeat all, Repeat last track, Random

Please note the unit is supplied with a remote control that mirrors these features

## REAR PANEL OVERVIEW

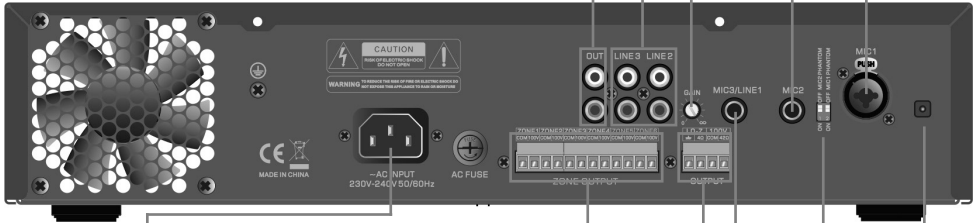
Mic 1 Input: Balanced line XLR and Jack Combo (echo does not work on this input)  
With voice override for all channels

Mic 2 Input:  
Unbalanced input  
via 6.35mm jack

Output: Full output  
for slave amplifiers

Gain Control: Adjust  
the signal strength on  
channel Mic 3/ Line 1

Line 2 and 3: Inputs via  
twin phono sockets



AC Power  
Inlet

Link out: Allows for  
the connection of  
further amplifiers.  
Connection is via  
Euro blocks supplied

Line 1 or Mic  
3 Input via  
6.35mm jack

Aerial  
Input:  
Connection  
point for  
FM ribbon  
aerial  
(supplied)

Zone 1 to 6 speaker  
connection.  
100 Volt line Euro  
block connectors  
(supplied)

Dip: 12V Phantom  
power for microphone  
channels one and two

## CLEANING AND MAINTENANCE

- There are no user servicable parts in this product.
- Before undertaking any cleaning make sure the unit is switched off and disconnected from its power supply.
- Clean with a slightly damp cloth
- Dust and grime can be removed from grills and vents using a soft bristle paint brush or similar

## TECHNICAL SPECIFICATIONS

RMS Output .....	120W
Frequency Response .....	20Hz-20kHz
Signal to Noise Ratio .....	>90 dB
THD+N.....	0.5%
Common mode Rejection .....	<0.5%
Crosstalk .....	>70dB

### Inputs

#### *Mic 1:*

Type.....	Balanced Line
Sensitivity .....	-50dB
Connection .....	1 x XLR/6.3mm Jack Combo
Phantom Power .....	12C DC via dip switch
Priority.....	Yes

#### *Mic 2, Mic 3 and Line:*

Type.....	Unbalanced
Sensitivity .....	-50dB
Connectors .....	6.35mm Jack

#### *Line 2 + 3:*

Type.....	Stereo
Sensitivity .....	-30db
Connectors .....	2 x RCA Phono

### Media Player

USB .....	Type OTG 2.0 full speed controller
Connector .....	USB 2.0 Type A
SD MMC .....	SD card slot
Bluetooth Version.....	Ver2.0 + EDR
Max Range .....	10m
Music Formats .....	MP3/WAV/WMA/FLAC (8/16/24bit) Fat16 or Fat 32
FM Section .....	Range between 87.5Mhz to 107.9Mhz

### Outputs

Low Impedance .....	4 Ohm Via Euroblock connectors: Supplied
100V Line .....	6 Chanel with max tapings of 120W Via Euroblock

### Indicators

LED.....	Power/Zone/Output
LCD .....	Media Player

### Protection

.....	DC- Short Circuit
.....	Over Heating
.....	Over Load
.....	Limiter

Cooling .....	Fan cooled
Amplifier.....	Class A/B
Power supply .....	230Vac @ 50Hz

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