

EZ-6A & EZ-8A

Battery-powered PA System

USER MANUAL



wharfedalepro.com

IMPORTANT SAFETY INSTRUCTIONS

Watch for these symbols:



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure, that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
-  12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Warning: to reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Do not expose this equipment to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the equipment.

15. To completely disconnect this apparatus from the ac mains, disconnect the power supply cord plug from the ac receptacle.
16. The mains plug of the power supply cord shall remain readily operable.
17. This apparatus contains potentially lethal voltages. To prevent electric shock or hazard, do not remove the chassis, input module or ac input covers. No user serviceable parts inside. Refer servicing to qualified service personnel.
18. The loudspeakers covered by this manual are not intended for high moisture outdoor environments. Moisture can damage the speaker cone and surround and cause corrosion of electrical contacts and metal parts. Avoid exposing the speakers to direct moisture.
19. Keep loudspeakers out of extended or intense direct sunlight. The driver suspension will prematurely dry out and finished surfaces may be degraded by long-term exposure to intense ultra-violet (UV) light.
20. The loudspeakers can generate considerable energy. When placed on a slippery surface such as polished wood or linoleum, the speaker may move due to its acoustical energy output.
21. Precautions should be taken to assure that the speaker does not fall off a stage or table on which it is placed.
22. The loudspeakers are easily capable of generating sound pressure levels (SPL) sufficient to cause permanent hearing damage to performers, production crew and audience members.
23. Caution should be taken to avoid prolonged exposure to SPL in excess of 90 dB.



This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

CAUTION, this product contains rechargeable Li-ion battery special precautions must be taken:



Li-ion



Li-ion

- Do not disassemble, short circuit or expose it to heat and fire.

- Do not use it if the tight casing is damaged or inflated.

- Separate this from other types of wastes and recycle it.

■ FEDERAL COMMUNICATIONS COMMISSION (FCC) STATEMENT

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

■ DECLARATION OF CONFORMITY

The product is in compliance with the following European Directives:

EMC 2014/30/EU, RED 2014/53/EU, LVD 2014/35/EU, RoHS 2011/65/EU and WEEE 2012/19/EU.

WARNING (EN 55032 CISPR 32)

This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference. Under the EM disturbance, the ratio of signal-noise will be changed above 10 dB.

■ LIMITED WARRANTY

Wharfedale Pro warrants all materials, workmanship and proper operation of this product for a period of three years from the original date of purchase. If any defects are found in the materials or workmanship or if the product fails to function properly during the applicable warranty period, the owner should inform about these defects the dealer or the distributor, providing receipt or invoice of date of purchase and defect detailed description. This warranty does not extend to damage resulting from improper installation, misuse, neglect or abuse. Wharfedale Pro will verify damage on returned units, and when the unit has been properly used and warranty is still valid, then the unit will be replaced or repaired. Wharfedale Pro is not responsible for any "direct damage" or "indirect damage" caused by product defectiveness.

- This unit package has been submitted to ISTA 1A integrity tests. We suggest you control the unit conditions immediately after unpacking it.
- If any damage is found, immediately advise the dealer. Keep all unit packaging parts to allow inspection.
- Wharfedale Pro is not responsible for any damage that occurs during shipment.
- Products are sold "delivered ex warehouse" and shipment is at charge and risk of the buyer.
- Possible damages to unit should be immediately notified to forwarder. Each complaint for package tampered with should be done within eight days from product receipt.

■ CONDITIONS OF USE

Wharfedale Pro does not accept any liability for damage caused to third parties due to improper installation, use of non-original spare parts, lack of maintenance, tampering or improper use of this product, including disregard of acceptable and applicable safety standards. Wharfedale Pro strongly recommends that this loudspeaker cabinet be suspended taking into consideration all current National, Federal, State and Local regulations. The product must be installed by qualified personal.

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. INTRODUCTION

Thank you for choosing the Wharfedale Pro EZ series. Please take the time to read this manual to understand all the features of your system and take full advantage of its performance capabilities. All Wharfedale Pro Audio products are CE approved and designed for continuous use in professional applications.

. DESCRIPTION

EZ-6A and EZ-8A are battery-powered loudspeakers designed for professionals who need genuine sound quality without mains power. Both models feature a coaxial driver design for consistent coverage and clear, focused sound in any placement.

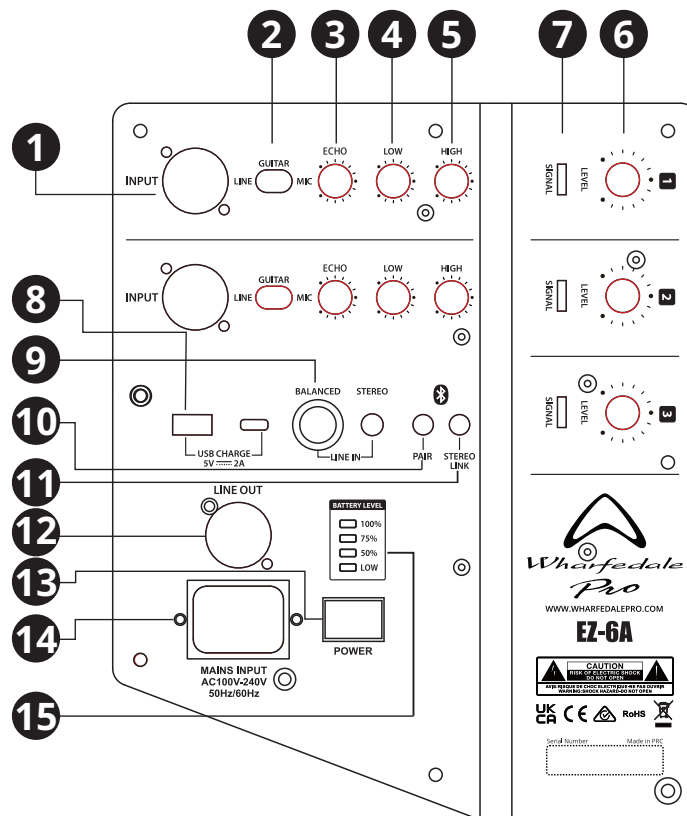
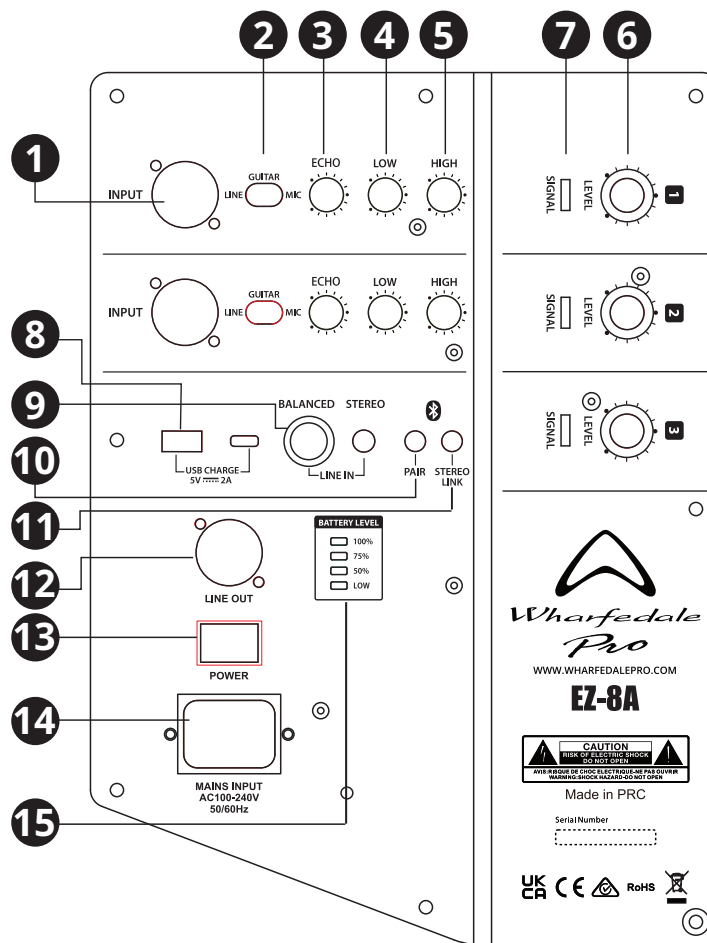
The EZ-6A combines a 6.5-inch coaxial driver with Class-D amplification, delivering up to 110 dB SPL from an ultra-portable enclosure weighing just 6.5 kg.

The larger EZ-8A steps up to an 8-inch coaxial system, producing up to 115 dB SPL for increased headroom and low-frequency impact. Both models offer up to six hours of operation from a high-capacity lithium battery and support USB-C charging.

Connectivity includes balanced mic and line inputs with dedicated level controls, TWS Bluetooth plus integrated DSP. Infact, this isn't just regular 'DSP'. EZ-A's feature FIR filters for the ultimate in portable sonic detail.

Clear, intuitive rear-panel controls allow users to shape their sound quickly and confidently. With multiple placement options including floor monitor, 35 mm pole and tilt-back use, the EZ-Series is ideal for musicians, DJs, presenters and mobile performers seeking reliable, professional performance anywhere. And YES!.....padded tour bag is INCLUDED!

MAIN PANEL INSTRUCTIONS



1. CH1/CH2 INPUT: These are a COMBO connectors that accept XLR plugs or JACK plugs.

The balanced XLR input is wired as follows:

Pin 1 = shield or ground, Pin 2 = + positive or "hot", Pin 3 = - negative or "cold".

It accepts any MIC level signal from a dynamic microphone connected using an XLR cable. The unbalanced JACK input is wired as follows: Tip = + positive or "hot", Sleeve = shield or ground.

This is a high impedance input that accepts a JACK plug from any instrument or line level instrument like acoustic guitar, fiddle pickup, electric guitar and so on.

2. CH1/CH2 LINE/GUITAR/MIC: These switches set the optimal sensitivity and impedance of channel inputs between LINE, GUITAR or MICROPHONE.

3. CH1/CH2 ECHO: These controls set the level of CH1 / CH2 channels ECHO effect.

4. CH1/CH2 LOW: These controls set the CH1 / CH2 channels low EQ.

5. CH1/CH2 HIGH: These controls set the CH1 / CH2 channels high EQ.

6. CH1 / CH2 / CH3 LEVEL: These controls set the level of CH1 / CH2 / CH3 channels.

7. CH1 / CH2 / CH3 SIGNAL: These GREEN LEDs illuminates when a signal is present at the inputs.

8. USB PORT: This USB port can be used to supply or recharge the user tablet/smartphone, or for service operation.

9. STEREO IN (MINI JACK): This is a MINI JACK (3.5mm) connector that accepts a STEREO MINI JACK plug from Computer / CD / DVD / MP3 players. The MINI JACK is wired as follows:

Tip = positive signal of left channel, Ring = positive signal of right channel.

 **10. PAIR button:** Use this button to link the BLUETOOTH device (tablet, smartphone and others).

To connect a BLUETOOTH device:

If a device has been already previously associated, it is relinked automatically when the EZ-6A & EZ-8A is turned on (if the BLUETOOTH is activated in the device): the BLUE LED remains lit steadily.

If the BLUE LED flashes, the EZ-6A & EZ-8A is ready to be associated with the device: select EZ-6A & EZ-8A in the BLUETOOTH menu of your device. Once the device is connected, the BLUE LED remains lit steadily.

If you want to reconnect a BLUETOOTH device, press and hold the PAIR button until the correspondent BLUE LED flashes, then select EZ-6A & EZ-8A in the BLUETOOTH menu of your device.

NOTE: the audio file types and quality playable with Bluetooth connection depends on the Bluetooth device used. The Bluetooth connection range is about 10 m (33 feet).

11. TWS function: Two products of the same model can be turned on simultaneously.

12. LINE OUT (JACK): This JACK connector provides an unbalanced line-level signal with the mix of all the inputs. Connect it to the input of another audio system or powered speaker.

13. BATTERY LEVEL: This LED indicator light will display the battery level when the audio system is turned on.

Low battery : This red LED indicates that the remaining battery capacity is less than 25% of its total capacity (all other indicators go out). When this indicator light flashes, the system should be connected to the power line.

LOW : This red indicator light indicates that the battery remaining capacity is between 10% and 25%.

50% : This green indicator light indicates that the battery remaining capacity is between 25% and 50%.

75% : This green indicator light indicates that the battery remaining capacity is between 50% and 75%.

100% : This green indicator light indicates that the battery remaining capacity is between 75% and 100%.

14. AC~ SOCKET: Here's where you plug in your mains supply cord. You should always use the mains cord supplied with the device.

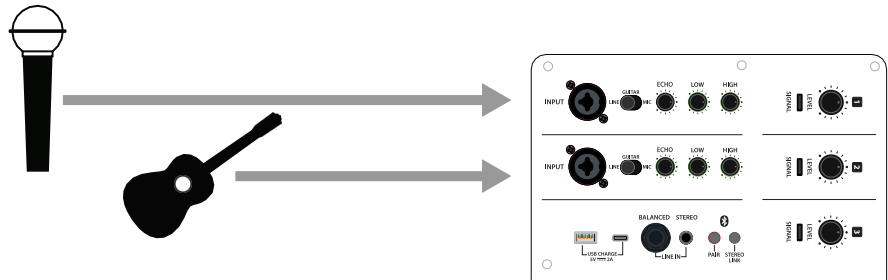
POWER Switch: Use this switch to power ON or OFF the loudspeaker. It is "ON" when the switch is in the "I" position.

Note: if the unit is connected to the mains line, the internal supply circuit charges the battery also if the unit is switched off. In order to extend the battery life, the charging starts when the battery level is below 75% of the capacity, whether the system is on or off.

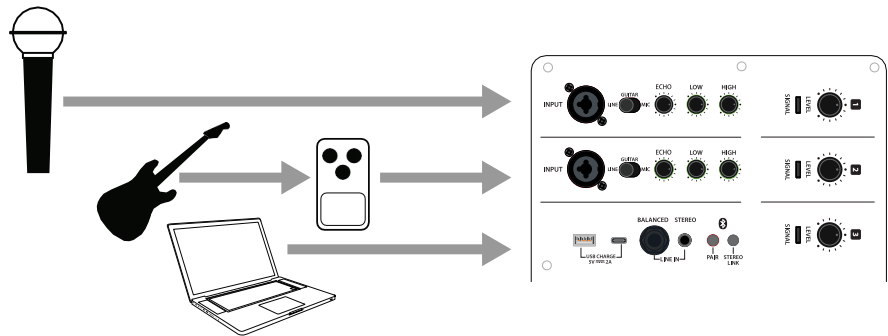
CONNECTION EXAMPLES

The following images show some connection possibilities.

Vocal mic, acoustic guitar and tablet or smartphone via Bluetooth.



Vocal mic, electric guitar with pedals and personal computer with minijack connection.



POSITIONING EXAMPLES

The EZ-6A & EZ-8A cabinet is designed to be used in several positions to obtain the best result for your application.



On the ground tilted backwards

For performances where your audience is close to you, tilt the EZ-6A & EZ-8A onto its back edge and stand or sit to oneside of the loudspeaker to avoid blocking the sound.



On the ground as a stage monitor

To use the EZ-6A & EZ-8A as a personal stage monitor, place it on the ground horizontally, tilted onto its side edge and pointing toward the performer.



On speaker stand

For general-purpose sound reinforcement you can place the EZ-6A & EZ-8A system on a speaker stand (sold separately) at the level of the audience's ears.

SPECIFICATIONS

Specifications	EZ-6A	EZ-8A
System type	2-way coaxial	
HF Driver	1 x 1.35"	
LF Driver	1 x 6.5"	1 x 8"
Frequency response (-3 dB)	60 Hz - 18 kHz	50 Hz - 18 kHz
Max. SPL	115 dB	118 dB
Coverage angle (H x V)	90° x 90°	
Total peak power	200 W	
HF continuous power	40 W	
LF continuous power	60 W	
Input Connectors	2 x XLR/TRS Combo (balanced) & 1 x 3.5mm Jack & 1 x 6.35mm Jack (balanced)	
Output Connectors	1 x XLR LINE OUT (balanced) 1 x USB type A Charge port & 1 x type C Charge port	
DSP Processing	YES	
Mic/Line Controls	ECHO, Low, High, Level	
Stereo in/Bluetooth Controls	Pair, Level	
Processing	24bit AD/DA	
Bluetooth	5.3, Audio Streaming	
Enclosure material	Polypropylene	
Finish	Black Textured	
Grille material	Powder coated steel	
Handles	1 x top	
Mounting Pole	1 x bottom	
USB charging	2 A max	
Power Supply	100 - 240 V~, 50 / 60 Hz	
Consumption	150 W	
Battery type	Rechargeable Lithium-ion 6000 mAh	Rechargeable Lithium-ion 8000 mAh
Battery play time (at medium level)	up to 10 hours	
Recharging time	less than 4 hours	
Unpacked Dimension	238 × 287 × 335 mm	260 × 305 × 403 mm
Packed Dimension	320 × 330 × 390 mm	347 × 357 × 464 mm
Nett Weight	6.5 kg	7.9 kg
Gross Weight	8.3 kg	9.6 kg

WHARFEDALE PRO LIMITED WARRANTY

Wharfedale Pro products are warranted of manufacturing or material defects for a period of three years from the original date of purchase. In the event of malfunction, contact your authorised Wharfedale Pro dealer or distributor for information.

Please be aware that the warranty details may differ from country to country. Contact your dealer or distributor for information (available at wharfedalepro.com). These terms do not infringe your statutory rights.



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