



mackie 2AD4XSHOWBOX ShowBox Battery Powered Performance Rig User Guide

[Home](#) » [Mackie](#) » mackie 2AD4XSHOWBOX ShowBox Battery Powered Performance Rig User Guide 



SHOWBOX

BATTERY POWERED ALL-IN-ONE PERFORMANCE RIG WITH BREAKAWAY MIX CONTROL
QUICK START GUIDE



Contents

- 1 Important Safety Instructions
- 2 Hookup Diagrams
- 3 REAR PANEL & MIXER DESCRIPTIONS
- 4 Getting Started
- 5 Technical Specification
- 6 Documents / Resources
 - 6.1 References

Important Safety Instructions

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 a 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. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.



11. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. The apparatus may also be placed on the ground in wedge position. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. 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.
14. This apparatus shall not be exposed to dripping or splashing, and no object filled with liquids, such as vases or beer glasses, shall be placed on the apparatus.
15. Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
16. **NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which

can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications to this device not expressly approved by LOUD Audio, LLC could void the user's authority to operate the equipment under FCC rules.



RISK OF ELECTRIC SHOCK! DO NOT OPEN!

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE.

REFER SERVICING TO QUALIFIED PERSONNEL.



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 significant magnitude to constitute a risk of electric shock to persons.



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

17. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.
18. For pluggable equipment, the socket-outlet shall be easily accessible.
19. The maximum ambient temperature during use of the appliance must not exceed 45° C.
20. Operation frequency: 2400MHz – 2483.5MHz
21.  This apparatus has been designed with Class-I construction and must be connected to a mains socket outlet with a protective earthing connection (the third grounding prong).
22. This apparatus does not exceed the Class A/Class B (whichever is applicable) limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications.
23. This device complies with Part 15 of the FCC Rules [and contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s)]. 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.
24. Exposure to extremely high noise levels may cause permanent hearing loss. Individuals vary considerably in susceptibility to noise-induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a period of time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the permissible noise level exposures shown in the following chart. According to OSHA, any exposure in excess of these permissible limits could result in some hearing loss. To

ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels use hearing protectors while the equipment is in operation. Ear plugs or protectors in the ear canals or over the ears must be worn when operating the equipment in order to prevent permanent hearing loss if exposure is in excess of the limits set forth here:

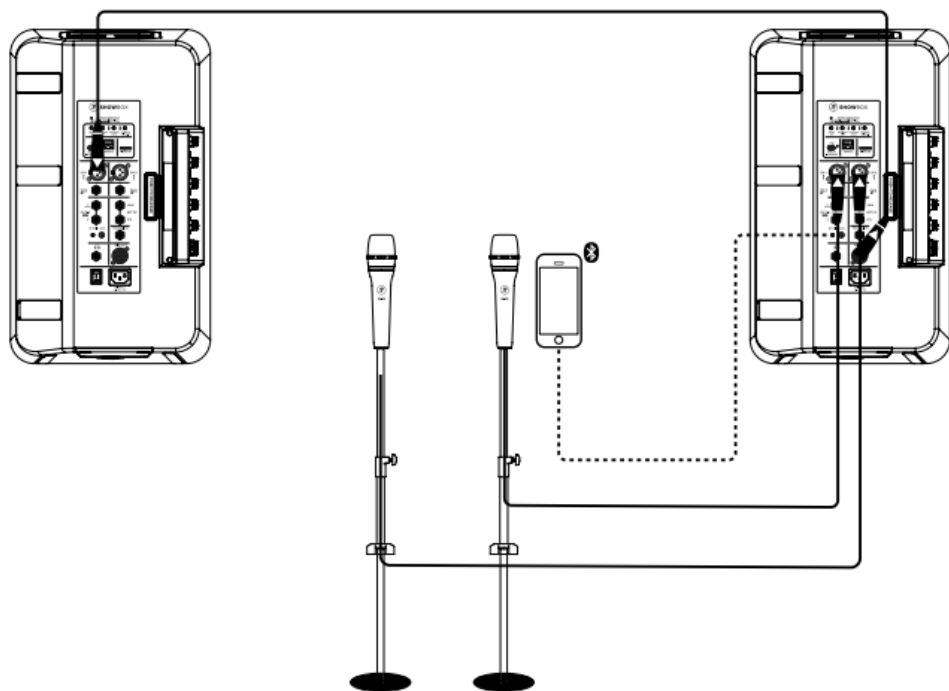
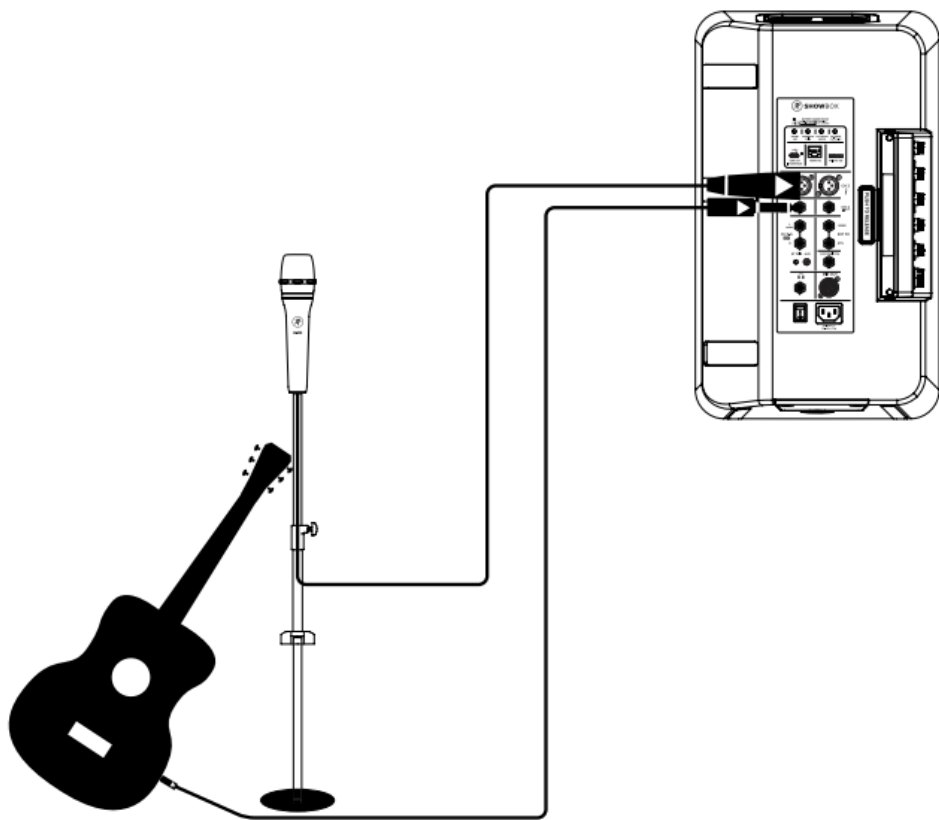
Duration. per day in hours	Sound Level dBA. Slow R esponse	Typical Example
8	90	Duo in small club
6	92	
4	95	Subway Train
3	97	
2	100	Very loud classical music
1.5	102	
1	105	Ty screaming at Troy about deadlines
0.5	110	
0.25 or less	115	Loudest parts at a rock concert

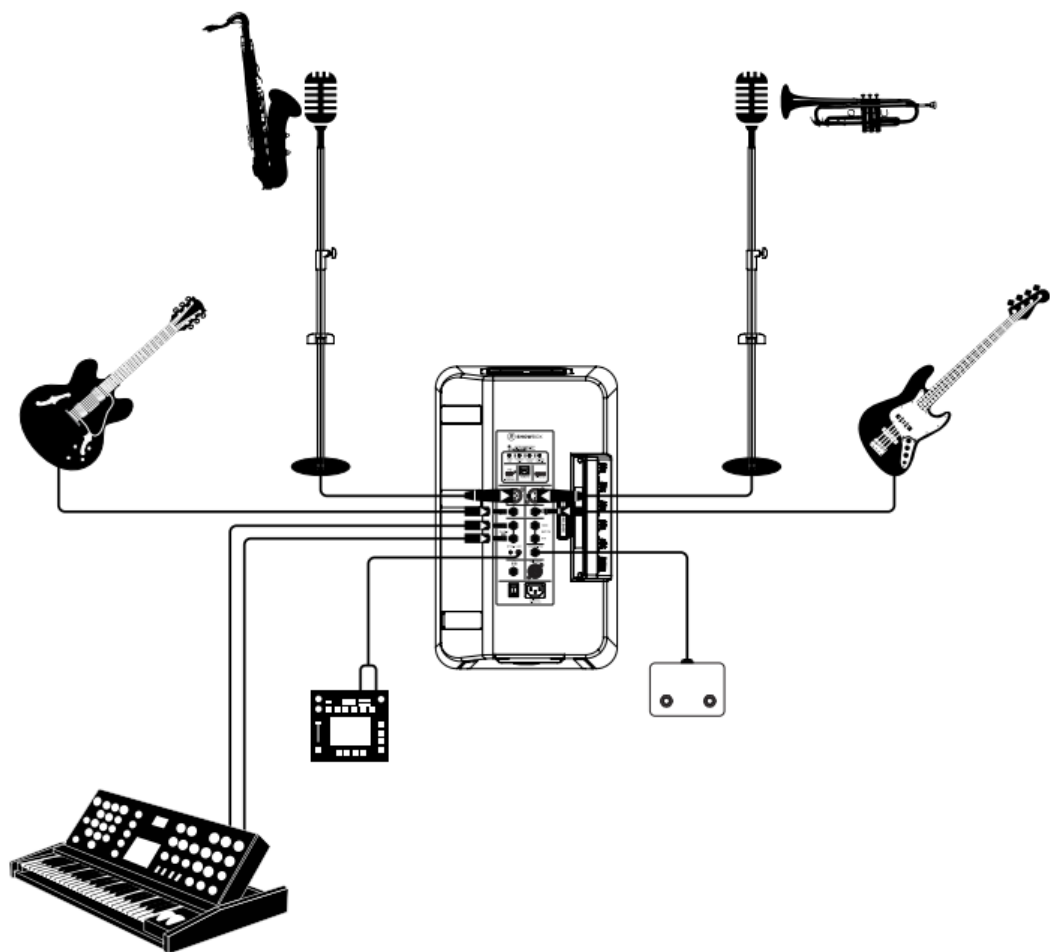
- WARNING** — The battery (battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.
- CAUTION** — Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- WARNING** — To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- CAUTION** — To prevent electric shock hazard, do not connect to mains power supply while grille is removed.



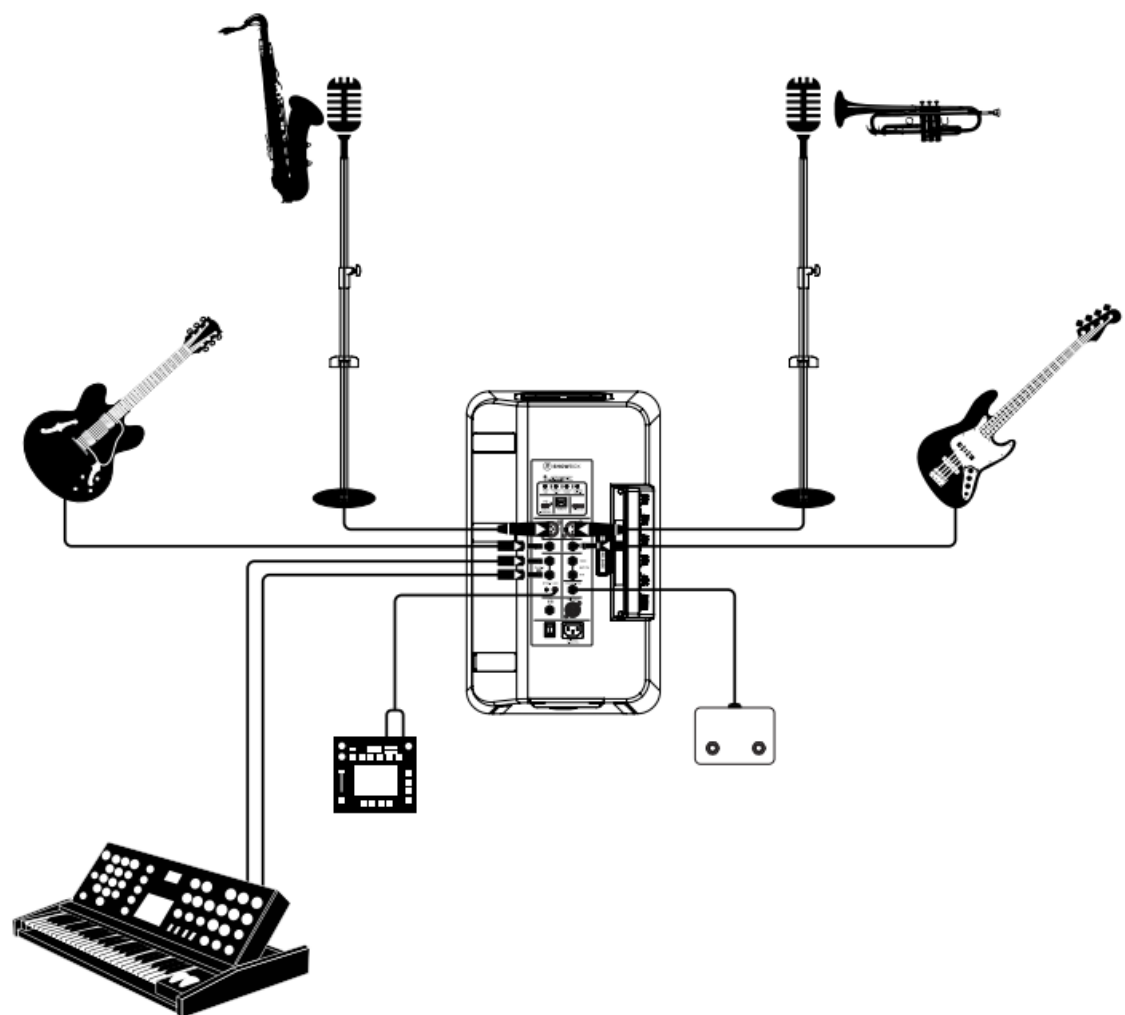
Correct disposal of this product: This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE directive (2012/19/EU) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.

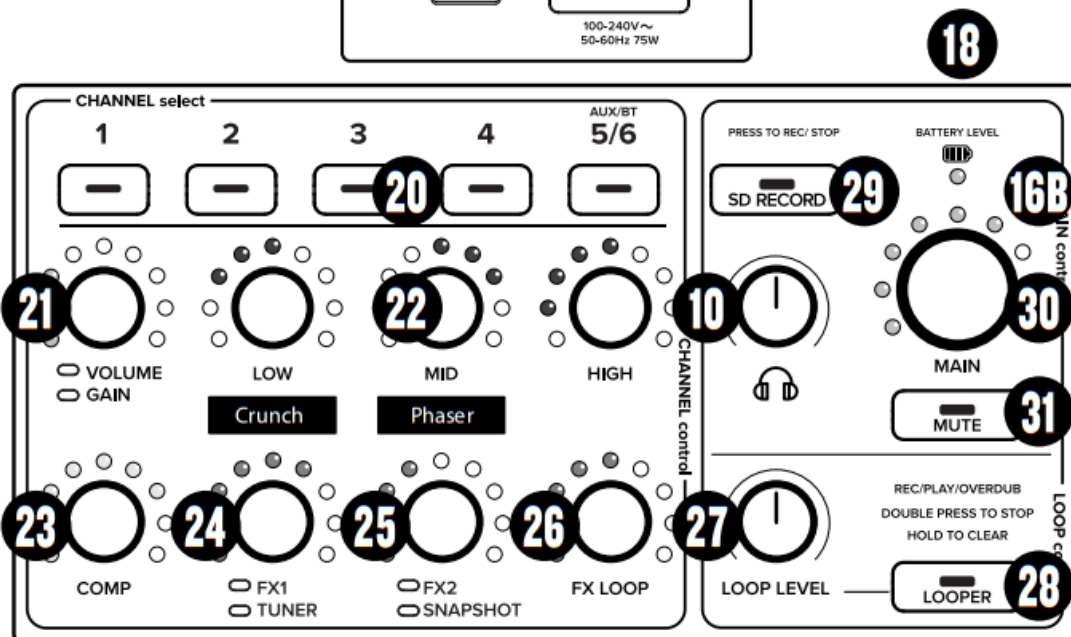
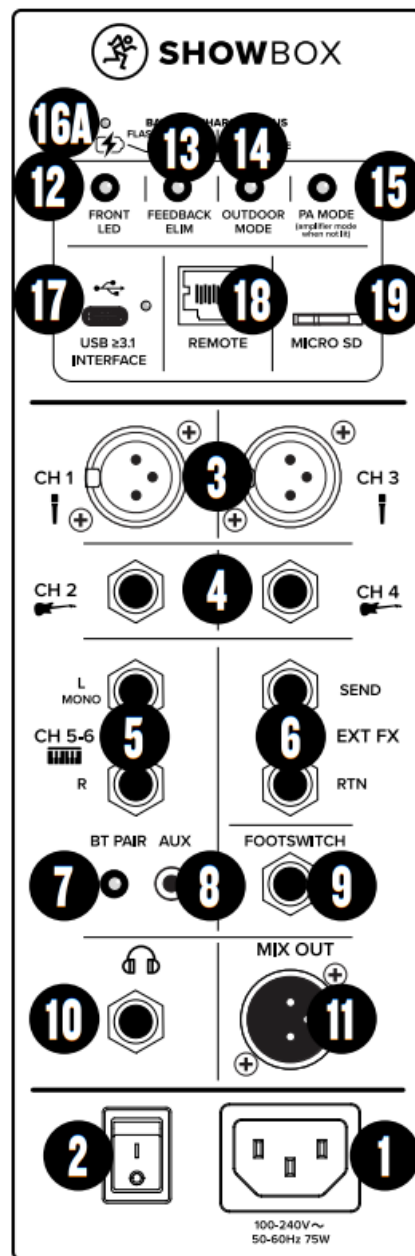
Hookup Diagrams





SHOWBOX BATTERY POWERED ALL-IN-ONE PERFORMANCE RIG WITH BREAKAWAY MIX CONTROL





ShowBox is not a difficult product to master.

However, there is MUCH more to it than may be explained here.

Therefore, we strongly encourage you to review the full owner's manual on the Mackie website should any additional questions arise.

REAR PANEL & MIXER DESCRIPTIONS

1. **Power Connector** Connect the supplied AC power cord to this jack to power the unit and/or charge the battery.
2. **Power Switch** Turns the ShowBox on and off.
3. **XLR Inputs** Connect a balanced mic or line-level signal using an XLR connector.
4. **1/4" Input** Connect a 1/4" instrument-level or line-level signal from a guitar, bass, or other instrument.
5. **Stereo Line Inputs** Connect stereo balanced or unbalanced line-level signals using 1/4" connectors.
6. **EXT FX 1/4" Send and Return Jacks** Connect external FX using 1/4" cables.
7. **Bluetooth** Press and hold to pair with a Bluetooth device.
The Bluetooth connection may disconnect when affected by electrostatic discharge (ESD) or electrical fast transients (EFT). If this occurs, manually reconnect the Bluetooth connection.
8. **1/8" Input** Connect an 1/8" line-level signal from a smartphone, MP3 player, or other signal source.
9. **Footswitch** Connect a footswitch to control the looper and mute/un-mute the FX.
10. **Phones Jack and Knob** Connect stereo headphones here.
The phones knob controls the headphones level.
11. **Mix Out** Connect to another ShowBox, cabinet, or loudspeaker using XLR cable.
12. **Front LED Switch** Turns the front panel LEDs on or off.
13. **Feedback Eliminator LED Switch** Hunts down offending frequencies and destroys feedback to maximize gain.
14. **Indoor/Outdoor Mode LED Switch** Switches between indoor and outdoor voicing modes.
15. **PA Mode LED Switch** Switches between the PA and amplifier voicing modes.
16. **A. Battery LED** This tri-colored LED displays the battery charging status of the internal battery.
16B. Battery LED This tri-colored LED displays the remaining battery life.
17. **USB I/O** An interface allowing you to stream audio to and from the ShowBox via smartphone, tablet, or computer. Connect the USB-C side of a USB 3.1 (or higher) cable to the ShowBox and the other side to the device.
18. **Remote** Connect the included CAT6 cable from the base unit and the breakaway mixer.
19. **SD Card Slot** Insert an SD card to allow recording.
20. **Channel Select** Selects which channel to update parameters on.
21. **Volume/Gain** Adjusts the channel volume and gain.
Press-and-hold to enter auto-gain mode.
A single press switches between volume and gain.
Quickly tap the knob twice to mute it.
22. **Equalization** Boost or cut the level at certain frequencies to enhance the sound. Quickly tap any EQ knob twice to mute the EQ.
23. **Compressor** Reduces the dynamic range of input signals.
Quickly tap the compressor knob twice to mute it.
24. **FX1 / Tuner** Press, rotate, and press again to select an FX.
Rotate to raise/lower the FX drive level.
Press and hold to engage the instrument tuner.
Quickly tap the knob twice to mute it.
25. **FX2 / Snapshot** Press, rotate, and press again to select an FX. Rotate to raise/lower the FX wet/dry level.
Press and hold to engage snapshots mode.
Quickly tap the knob twice to mute it.
26. **FX Loop** Rotate to raise/lower the wet/dry level of the external FX. Quickly tap the FX Loop knob twice to mute

it.

27. Loop Level Adjusts the volume of the loop level.
 28. Looper Button Press this button once to record, play and/or overdub loops. Press this button twice to stop. Press and hold this button to clear.
 29. SD Record Press to start and stop SD recording.
 30. Main Volume Adjusts the overall output level.
 31. Main Volume Mute Switch Mutes the output.
- Battery Compartment The bottom panel contains the ShowBox battery compartment. Rotate the two plastic screws counter-clockwise to release and replace.

Getting Started

1. Read and understand the Important Safety Instructions on page 2.
2. Make all initial connections with the power switches OFF on all equipment.
3. Push the line cord securely into the ShowBox's connector and plug the other end into a grounded AC outlet. The ShowBox may accept the appropriate voltage as indicated near the connector.
4. Plug signal sources into the ShowBox, such as:
 - Microphones plugged into the mic inputs.
 - Line-level sources such as keyboards, drum machines, or media player plugged into the line-level inputs.
 - Smartphone paired and connected via Bluetooth.
5. Turn the ShowBox on.
6. Be sure that the volume of the input is the same as it would be during normal use.
7. Slowly bring up the main knob to a comfortable listening level.
8. Additional features: connect the breakaway mixer to the base unit, add internal and external effects, add EQ and comp, start a loop, and so much more!

Technical Specification

	SHOWBOX
Frequency Range (–10 dB)	48 Hz – 20 kHz
Coverage Pattern	90° horizontal x 60° vertical (vertikal)
Maximum SPL Peak	122 dB
Total System Power	400 watts peak
Low Frequency	8 in / 203 mm woofer, 350 watts peak, Class D power amplifier
High Frequency	1.0" / 25 mm titanium high frequency driver – 50 watts peak Class D power amplifier
Crossover Point	2 kHz
Input Type	Female XLR – 1/4" balanced jacks – 1/8" Aux jack – Bluetooth – USB-C
Output	Male XLR balanced [Mix Out]
Bluetooth	5.1 Audio streaming
USB	2x2, 3.1 ≥Gen1
Power Requirements	100–240V~, 50-60Hz, 75W
Battery Technology	5200mAh, 14.8 V
Working Time	12 hours
Protection Features	Peak and RMS limiting, power supply and amplifier thermal protection
Size (H x W x D)	19.7 x 11.8 x 9.8 in 500 x 300 x 249 mm
Weight	20.9 lb 9.5 kg

All specifications subject to change



WARRANTY AND SUPPORT

Visit WWW.MACKIE.COM to:

- Identify WARRANTY coverage provided in your local market.
Please keep your sales receipt in a safe place.
- Retrieve a full-version, printable OWNER'S MANUAL for your product.
- DOWNLOAD software, firmware and drivers for your product (if applicable).
- REGISTER your product.
- CONTACT Technical Support.



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Hereby, Loud Audio, LLC declares that the radio equipment type [SHOWBOX] is in compliance with Directive 2014/53/EU.



The full text of the EU declaration of conformity and Bluetooth conformity are available at the following internet address:

<https://mackie.com/en/support/drivers-downloads?folderID=27309>

Documents / Resources

	<p>mackie 2AD4XSHOWBOX ShowBox Battery Powered Performance Rig [pdf] User Guide 2AD4XSHOWBOX ShowBox Battery Powered Performance Rig, 2AD4XSHOWBOX, ShowBox Battery Powered Performance Rig, Battery Powered Performance Rig, Powered Performance Rig, Performance Rig</p>
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References

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-  [Drivers/Downloads | MACKIE](#)
- [User Manual](#)

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