

mackie CR Series
Creative Reference
Monitor with
Bluetooth



mackie CR Series Creative Reference Monitor with Bluetooth User Guide

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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. Minimum distance (5 cm) around the apparatus for sufficient ventilation.
9. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
10. No naked flame sources, such as lighted candles, should be placed on the apparatus.
11. The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. The equipment should be installed and operated with minimum distance 20cm between the radiator & your body.
12. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
13. Only use attachments/accessories specified by the manufacturer.
14. Use only with a 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.
15. Unplug this apparatus during lightning storms or when unused for long periods of time.
16. 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.
17. 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.
18. Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

CAUTION

RISK OF ELECTRIC SHOCK! DO NOT OPEN!

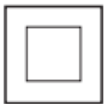
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

- 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, which 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.
- **WARNING** — To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- **CAUTION** – These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

19. This apparatus has been equipped with a rocker-style AC mains power switch. This switch is located on the rear panel and should remain readily accessible to the user.
20. The MAINS plug or an appliance coupler is used as the disconnect device, so the disconnect device shall remain readily operable.
21. Explanation of symbol, marking, signal lamp or similar means indicates that the apparatus is completely disconnected from the mains.
22. **WARNING:** Please refer to the information on exterior bottom enclosure for electrical and safety information before installing or operating the apparatus.
23. The maximum ambient temperature during use of the appliance must not exceed 10–50° C // 50–122° F.
24. **NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, according 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 under 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.

25. This apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications. CAN ICES-003(B)/NMB-003(B)



26. This equipment is a Class II or double-insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.
27. This device complies with Part 15 of the FCC rules and Industry Canada’s license-exempt RSS standard(s). Operation is subjected 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.

28. RF Power: <10dBm

- **Bluetooth Version:** 5.0
- **Bluetooth frequency range:** 2402 – 2480 MHz

29. 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:

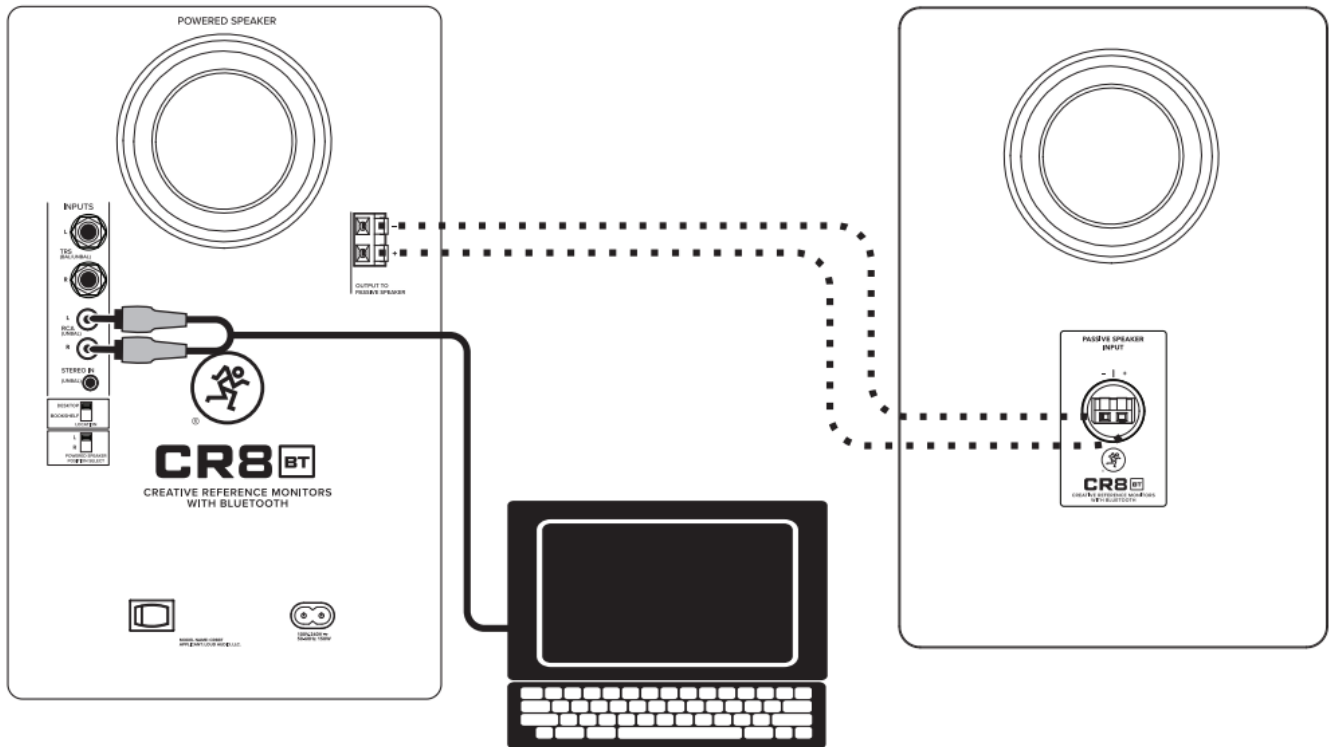
Duration, per day in hours	Sound Level dBA, Slow Response	Typical Example
8	90	Duo in small club
6	92	
4	95	Subway Train
3	97	
2	100	Very loud classical music
1.5	102	
1	105	Ty screaming at Troy about deadlines
0.5	110	
0.25 or less	115	Loudest parts at a rock concert

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

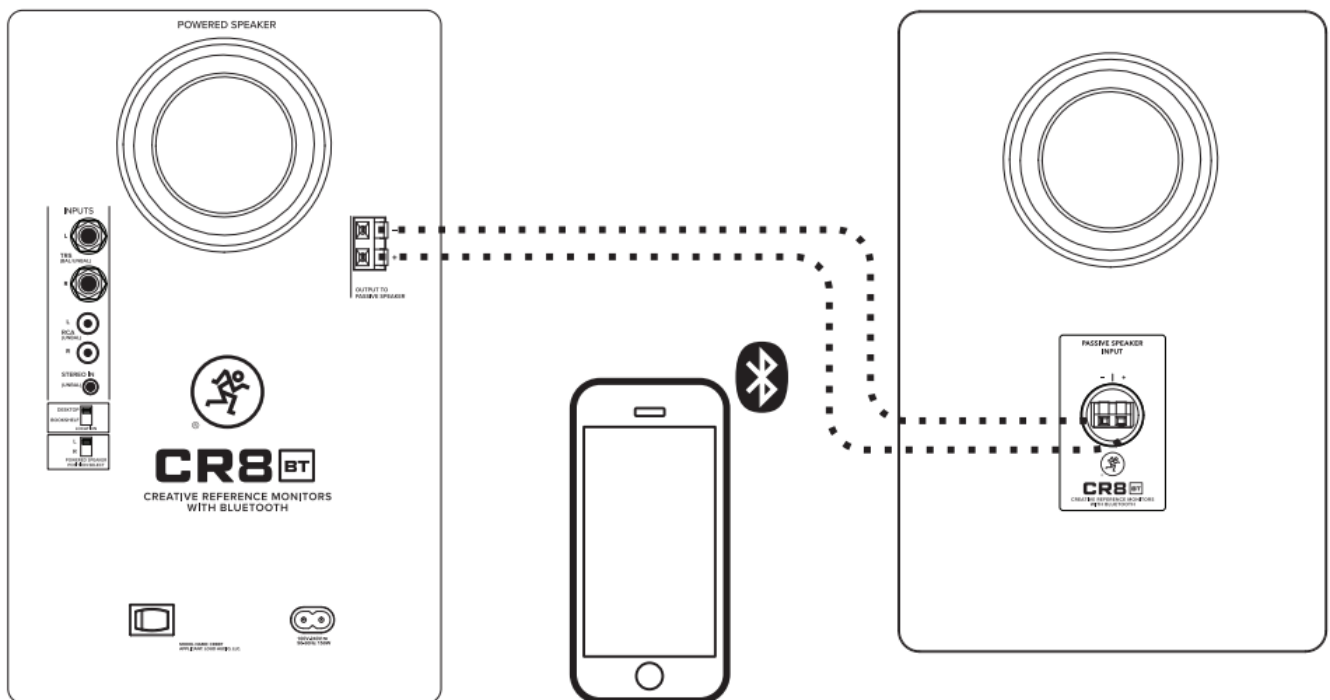
Stereo Speaker Hookup

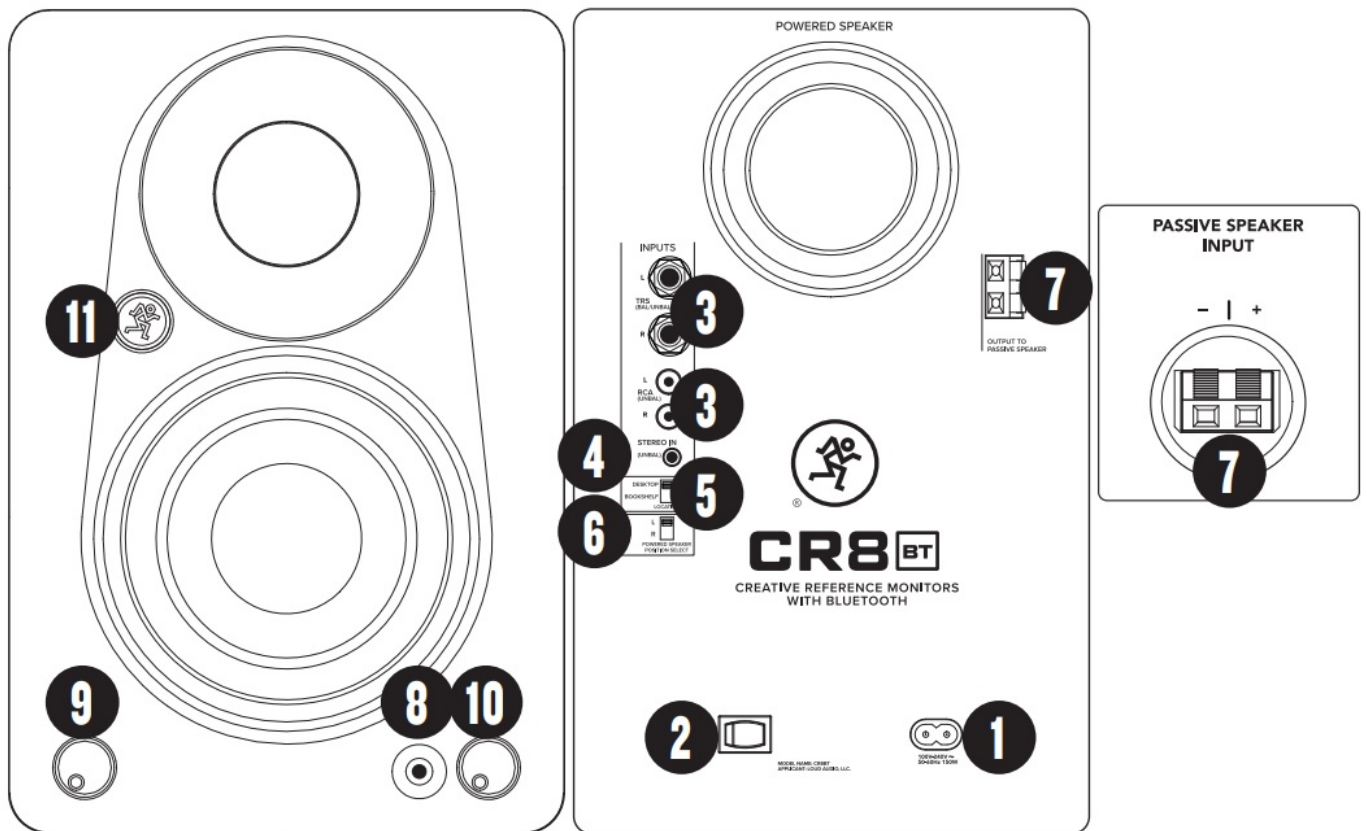
CR3.5BT • CR4.5BT • CR5BT • CR8BT



Bluetooth Stereo Speaker Hookup

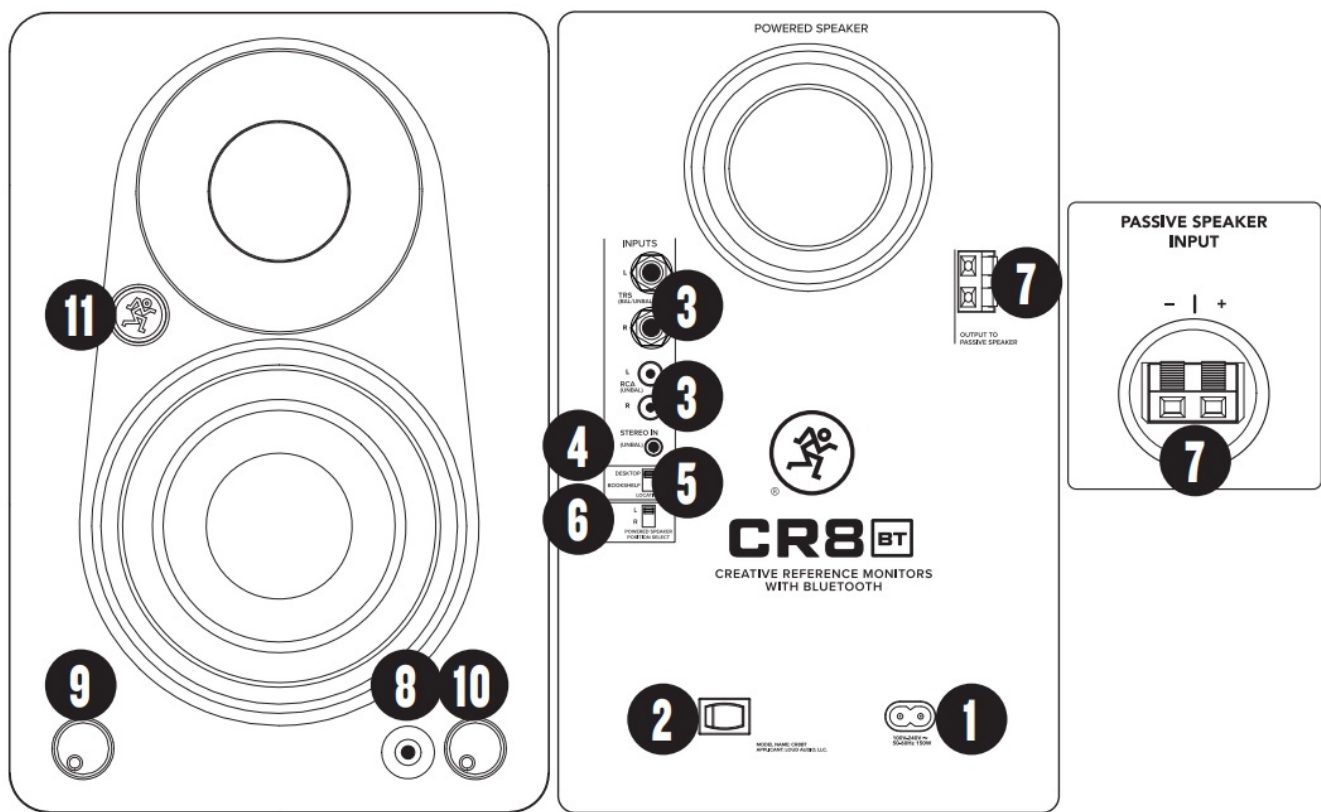
CR3.5BT • CR4.5BT • CR5BT • CR8BT





Front & Rear Panel Descriptions

1. Power Connector Connect the supplied AC power cord to this IEC jack.
2. Power Switch Turns the monitor on and off. The circular ring surrounding the Running Man logo on the front panel will illuminate white when powered.
3. Inputs Connect a line-level signal from a computer, mixer or other signal source.
4. Stereo Input Connect a line-level signal from an MP3 player, smartphone or other signal source.
5. Location Select if the monitors will be positioned close to you (switch up, desktop) or far (switch down, bookshelf).
6. Powered Speaker Position Select Switch Select if the powered monitor is to be positioned on the left side (switch up) or right side (switch down).
7. Wire Terminals (\pm) Connect black ($-$) and red ($+$) speaker wires from the powered monitor's \pm spring clips to the passive monitor's \pm spring clips.
8. Phones Output Connect stereo headphones here.
9. Tone Knob Rotate this knob to change the tone of the playback.
10. Volume Knob Adjusts the overall output level and also turns the monitor on and off.
11. Bluetooth Press and hold to pair with a Bluetooth device, press quickly to connect to the last connected Bluetooth device, or press quickly while connected to Bluetooth device to pause/play audio. The Bluetooth may disconnect when affected by Electrostatic Discharge [ESD]. Manually reconnect the Bluetooth connection.



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. Make sure the monitor's volume control is all the way down.
3. Connect black (–) and red (+) speaker wires from the powered monitor's ± spring clips to the passive monitor's ± spring clips.
4. Plug the affixed line cord into an AC outlet. The monitor may accept the appropriate voltage as indicated on the back panel.
5. Turn the computer on.
6. Turn the CRXBT monitor on. [Rear panel power switch].
7. Press and hold the Bluetooth button to enter pairing mode, then complete the pairing process from your Bluetooth device.
8. Play an audio file, making sure the Bluetooth volume on the phone is up, then slowly turn the front panel volume control to a comfortable listening level.

Technical Specifications

	CR3.5BT	CR4.5BT
Frequency Range	70 Hz – 20 kHz	55 Hz – 20 kHz
Maximum SPL Peak SPL	97 dB	100 dB
Total System Power Potencia total	50 watts peak Class D power amplifier Etapa de potencia clase D y 50 watos en picos Ampli de puissance Classe D 50 watts crête 50 Watt Spitze Class D Endstufe	
Crossover Point	3.0 kHz	
Input Type	Female 1/4" balanced–unbalanced / RCA unbalanced / 1/8" unbalanced 6,3 mm hembra balanceado–no balanceada / RCA no balanceada / 3,5 mm no balanceada 6,3 mm femelle symétrique–asymétrique / RCA asymétrique / 3,5 mm asymétrique 6,3 mm-Buchse symmetrisch–unsymmetrische / RCA unsymmetrische / 3,5 mm unsymmetrische	
Bluetooth	3.0 Audio streaming Streaming audio flux audio Audio-Streaming	
Power Requirements	120 VAC, 60 Hz or / ou / oder 220 – 240 VAC, 50/60 Hz or / ou / oder 100 VAC, 50/60 Hz	
Size (H x W x D)	8.1 x 7.1 x 5.5 in 206 x 180 x 140 mm	8.9 x 8.3 x 6.1 in 225 x 210 x 155 mm
Weight Peso Poids Gewicht	7.8 lb 3.5 kg	10.1 lb 4.6 kg

CR5BT	CR8BT
51 Hz – 20 kHz	44 Hz – 20 kHz
105 dB	108 dB
80 watts peak Class D power amplifier Etapa de potencia clase D y 80 watos en picos Ampli de puissance Classe D 80 watts crête 80 Watt Spitze Class D Endstufe	160 watts peak Class D power amplifier Etapa de potencia clase D y 160 watos en picos Ampli de puissance Classe D 160 watts crête 160 Watt Spitze Class D Endstufe
3.0 kHz	2.0 kHz
Female 1/4" balanced–unbalanced / RCA unbalanced / 1/8" unbalanced 6,3 mm hembra balanceado–no balanceada / RCA no balanceada / 3,5 mm no balanceada 6,3 mm femelle symétrique–asymétrique / RCA asymétrique / 3,5 mm asymétrique 6,3 mm-Buchse symmetrisch–unsymmetrische / RCA unsymmetrische / 3,5 mm unsymmetrische	
3.0 Audio streaming Streaming audio flux audio Audio-Streaming	
120 VAC, 60 Hz or / ou / oder 220 – 240 VAC, 50/60 Hz or / ou / oder 100 VAC, 50/60 Hz	
10.2 x 9.3 x 6.9 in 260 x 235 x 175 mm	14.8 x 13.6 x 9.9 in 376 x 346 x 251 mm
14.9 lb 6.8 kg	35.2 lb 16.0 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.

19820 NORTH CREEK PARKWAY #201 • BOTHELL, WA 98011 • USA Phone: 425.487.4333 • Toll-free: 800.898.3211 • Fax: 425.487.4337 Part No. 2057570 Rev. A 06/24 ©2024 LOUD Audio, LLC. All Rights Reserved. Hereby, Loud Audio, LLC declares that the radio equipment type [CR3.5BT • CR4.5BT • CR5BT • CR8BT] complies 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 CR Series Creative Reference Monitor with Bluetooth [pdf] User Guide 2AD4XCR3BBT, 2AD4XCR3BBT, cr3bbt, CR Series Creative Reference Monitor with Bluetooth, CR Series, CR Series Creative Reference Monitor, Creative Reference Monitor, Reference Monitor, Reference, Monitor, Creative Reference Monitor with Bluetooth</p>
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References

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