

EXMAX EX102ReceiverGray

EXMAX® EXG-108 Wireless Portable Pocket DSP FM Stereo Radio Digital Receiver User Manual

Model: EX102ReceiverGray

1. INTRODUCTION

Thank you for choosing the EXMAX® EXG-108 Wireless Portable Pocket DSP FM Stereo Radio Digital Receiver. This compact and versatile device is designed for various applications, including tour guiding, teaching, meetings, and personal listening. It features advanced Digital Signal Processing (DSP) technology for enhanced reception and clear audio. Please read this manual carefully before operating the device to ensure proper use and optimal performance.

2. PRODUCT OVERVIEW

2.1 Package Contents

- EX102 FM Radio Receiver (Gray)
- In-ear Stereo Earphone
- Lanyard
- English User Manual

2.2 Key Features

- Pocket Portable Design: Compact and lightweight for easy carrying.
- FM Frequency Range: Supports FM broadcast reception (no AM).
- DSP Technology: Utilizes Digital Signal Processing for improved sensitivity and signal analysis.
- 5 Station Presets: Manually store and quickly access five favorite FM stations.
- Mono/Stereo Selectable: Choose between mono and stereo audio output.
- 24-Hour Digital Clock: Integrated clock display.
- 30-Level Volume Control: Precise audio level adjustment.
- Lock Switch: Prevents accidental operation.
- 3.5mm Headphone Jack: For connecting the included earphone or other compatible headphones.
- Detachable Battery Power Supply: Powered by 2 AAA batteries (not included).
- Durable ABS Plastic Material: Sturdy and long-lasting construction.

2.3 Product Diagram

Detachable Batteries Power Supply

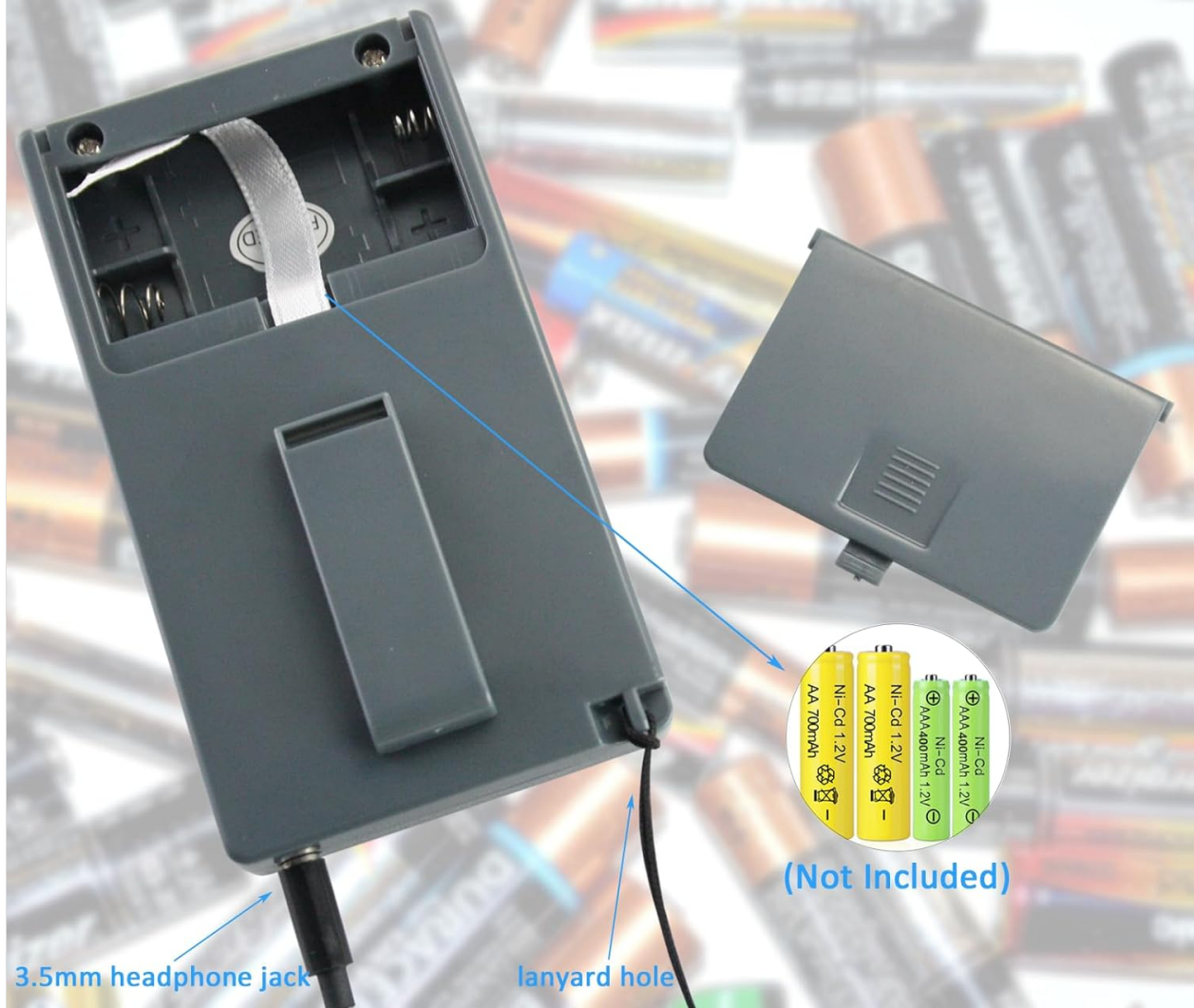


Figure 2.3.1: EXMAX EXG-108 Receiver with labeled components.

1. Station 1 key
2. Station 2 key
3. Station 3 key
4. Station 4 key
5. Station 5 key/time-setting key
6. Channel memory key (MEM)
7. Volume key (reduction) (VOL-)
8. Lock key (LOCK)
9. Frequency/time minus (TUN-)
10. Stereo/mono switch key (S/M)
11. Frequency/time plus (TUN+)
12. Volume key (increase) (VOL+)
13. Power on/off key (Power button)
14. Display screen
15. Belt clip
16. Lanyard hole
17. 3.5mm headphone jack

Portable FM Radio

FM BAND: 88.0-108.0MHZ

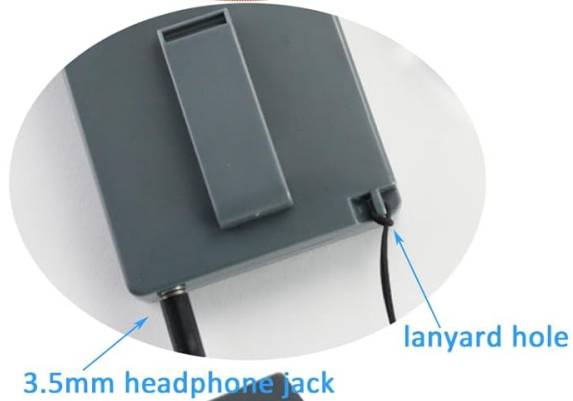
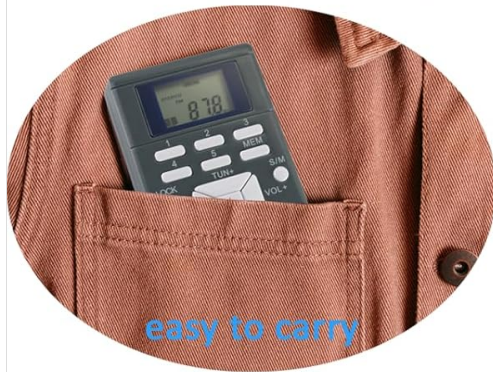


Figure 2.3.2: EXMAX EXG-108 Receiver showing compact size and dimensions (93mm/3.7in height, 52mm/2.1in width, 23mm/0.9in depth).

Large LCD Screen



- Built in dual 16 bit mirror converter.
- Low frequency distortion output.



(No External Function)

Figure 2.3.3: EXMAX EXG-108 Receiver's large LCD screen, measuring 35mm (1.4in) wide and 18mm (0.7in) high.

3. SETUP

3.1 Battery Installation

Simple Operation



Figure 3.1.1: EXMAX EXG-108 Receiver with open battery compartment.

1. Open the battery cover on the back of the receiver.
2. Insert two AAA batteries (not included) into the compartment, ensuring correct polarity (+/-).
3. Close the battery cover securely.

Note: If the screen becomes unstable or the power is low, replace the batteries.

3.2 Connecting Earphones and Lanyard

- Insert the 3.5mm plug of the included earphone into the headphone jack on the side of the receiver.
- Attach the lanyard to the designated lanyard hole for convenient carrying around the neck.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- To turn on the receiver, press the **Power** button (13) located in the center of the control panel.
- To turn off the receiver, press and hold the **Power** button (13) for a few seconds until the display turns off.

4.2 Volume Control

- To increase volume, press the **VOL+** button (12).
- To decrease volume, press the **VOL-** button (7).
- The receiver offers 30 levels of volume adjustment.

4.3 Station Searching

Three Ways For Station Searching

Supports 3.5mm Wired Headphones

Memorize stations: Press the **MEM+**digital key 1-5 to save your favorite stations. Press key 1-5 to locate the station you have saved.



The radio adopts a 24-hour time format. It starts running from 12:00 when you install the batteries.

-Click one/two time (Key 5), the screen digits (Hour/Minutes) is flashing. Click Tun+ Key or Tun- Key to increase or decrease the numbers.

Manual Operation: Click Tun+ for upward channel searching and Tun- for down ward locate your required channel station.

Automatic Operation: Upward channel searching starts by pressing and hold Tun+ for 2 seconds. Press and hold Tun- for 2 seconds for automatic downward channel searching. It will stop searching once it reaches a station.

Figure 4.3.1: EXMAX EXG-108 Receiver illustrating manual, automatic, and preset station searching.

- **Manual Tuning:** Press the **TUN+** button (11) to search for channels upwards or the **TUN-** button (9) to search for channels downwards.
- **Automatic Tuning:** Press and hold the **TUN+** button (11) for 2 seconds to start automatic upward channel searching. Press and hold the **TUN-** button (9) for 2 seconds for automatic downward channel searching. The search will stop automatically once a station is found.

4.4 Preset Stations

The receiver allows you to store up to 5 favorite stations for quick access.

- **To Save a Station:** Tune to the desired FM station. Press the **MEM** button (6). Then, press one of the

number keys **1-5** (1, 2, 3, 4, 5) to save the current station to that preset number.

- **To Recall a Station:** Simply press the corresponding number key **1-5** (1, 2, 3, 4, 5) to quickly select a stored station.

4.5 Mono/Stereo Selection

- Press the **S/M** button (10) to switch between mono and stereo audio output. The display will indicate the current mode.

4.6 Setting the Clock

The radio adopts a 24-hour time format. It starts running from 12:00 when you install the batteries.

- Click the **5** key (5) once or twice. The screen digits (Hour/Minutes) will start flashing.
- Use the **TUN+** button (11) or **TUN-** button (9) to increase or decrease the numbers.
- Press the **5** key (5) again to confirm the setting.

4.7 Lock Switch

- To prevent accidental button presses, slide the **LOCK** switch (8) to the locked position.
- To unlock, slide the **LOCK** switch (8) back to the unlocked position.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surface of the receiver. Do not use abrasive cleaners or solvents.
- **Battery Care:** Remove batteries if the device will not be used for an extended period to prevent leakage.
- **Storage:** Store the receiver in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid dropping the device or exposing it to water or excessive moisture.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/Device does not turn on.	Batteries are dead or incorrectly inserted.	Replace batteries with new ones, ensuring correct polarity.
Poor reception/Static.	Weak signal, interference, or earphone not fully inserted.	Move to an area with better signal. Ensure earphone is fully plugged in as it acts as the antenna. Try automatic tuning.
No sound from earphones.	Volume too low, earphones faulty, or not properly connected.	Increase volume. Check earphone connection. Try different earphones.
Buttons are unresponsive.	Lock switch is engaged.	Disengage the lock switch.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	2.13 x 0.9 x 3.7 inches (5.4 x 2.3 x 9.4 cm)
Item Weight	5.6 ounces (158.7 grams)
Model Number	EX102ReceiverGray
Brand	EXMAX
Color	Gray (2 Receivers pack)
Special Feature	Portable
Connectivity Technology	Auxiliary (3.5mm headphone jack)
Tuner Technology	FM
Style	Compact
Power Source	Battery Powered (2 x AAA, not included)
Radio Bands Supported	FM
Date First Available	July 18, 2017

8. WARRANTY AND SUPPORT

8.1 Warranty Information

EXMAX provides a **24-month warranty** from the date of purchase for this product. This warranty covers manufacturing defects and issues arising from normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact EXMAX customer support. Refer to the contact information provided with your product packaging or visit the official EXMAX website for further details.

Related Documents



Detailed user manual for the EXMAX EX-200E Wireless Tour Guide Voice Transmission System. Learn how to set up, operate, and troubleshoot the EX-200ET transmitter and EX-200ER receivers for clear group communication.