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## EXMAX EXD-737

# EXMAX EXD-737 Full Band Radio Receiver User Manual

Model: EXD-737 | Brand: EXMAX

## 1. INTRODUCTION

The EXMAX EXD-737 is a versatile full-band portable radio receiver designed for a wide range of listening experiences, whether at home or on the go. It offers exceptional reception capabilities across multiple frequency bands, including FM, AM, Shortwave (SW), Aviation (AIR), Citizens Band (CB), and VHF. Its compact design, intuitive controls, and robust features make it suitable for various indoor and outdoor activities.

Key features include a clear LCD display with backlight, multiple search modes, alarm clock functionality, and a programmable automatic power-off timer. The built-in rechargeable lithium battery ensures long-lasting enjoyment, and the included extended antenna enhances receiving sensitivity for optimal performance.

## 2. PACKAGE CONTENTS

Upon opening the package, please ensure all the following items are present:

- 1x EXD-737 Radio Receiver
- 1x Headphone
- 1x Micro USB Charging Wire
- 1x User Manual
- 1x Lanyard
- 1x Extended Antenna
- 1x Ear Cap



Figure 2.1: EXMAX EXD-737 radio receiver and its complete set of accessories.

### 3. PRODUCT FEATURES

The EXD-737 radio receiver is equipped with a comprehensive set of features designed for optimal performance and user convenience:

- **Full Band Reception:** Supports FM (87.5-108MHz), AM (520-1720KHz), Shortwave (2.3-30MHz), AIR Aviation (118-138MHz), CB City Band (25-28MHz), and VHF Civil (30-223MHz) bands.
- **Multiple Tuning Methods:** Manual search, automatic search, and full automatic search with storage capabilities.
- **Memory Storage:** Can store up to 50 frequencies per band, totaling up to 300 channels.
- **LCD Display:** One-inch LCD with orange backlight accurately displays frequency, battery status, and sensitivity.
- **Audio Output:** Features a built-in 40mm, 8<sup>Ω</sup>, 1W speaker for clear sound and a 3.5mm earphone jack for private listening.
- **Power Supply:** Integrated 700mAh 3.7V lithium rechargeable battery, with support for DC 5V external power supply via Micro USB.
- **Alarm Clock Function:** Set the radio to automatically power on or sound an alarm at a specified time.
- **Sleep Timer:** Programmable auto power-off timer with settings from 10 to 90 minutes.

- **Enhanced Reception:** Includes a retractable 7-section antenna and an additional 3-meter external cable antenna for improved signal sensitivity.
- **Lock Key:** Prevents accidental operation when carried in a pocket or bag.



Figure 3.1: Overview of key features including sleep timer, battery, and memory.



Figure 3.2: The retractable antenna and diverse applications of the radio.

#### 4. CONTROLS AND DISPLAY

Familiarize yourself with the buttons and ports on your EXD-737 radio for effective operation:

## Simple to operate-----Compact design with full function



Figure 4.1: Front, top, and side views of the EXD-737 radio with labeled components.

- **LCD Display:** Shows frequency, time, battery level, and other operational indicators.
- **BAND Button:** Cycles through available frequency bands (FM, AM, SW, AIR, CB, VHF).
- **SET Button:** Used for setting time, alarm, and squelch (SQ) function.
- **MODE Button:** Converts between different modes within a band (e.g., FM-N/FM-W for VHF).
- **MEMO Button:** For storing and recalling preset radio stations.
- **VOL+ / VOL- Buttons:** Adjusts the volume level.
- **TUN+ / TUN- Buttons:** Used for tuning frequencies, selecting stations, or adjusting time/function settings.
- **Power/Sleep Button:** Turns the radio on/off and activates the sleep timer.
- **LOCK Button:** Locks all buttons to prevent accidental presses.
- **Earphone Jack (3.5mm):** For connecting headphones.
- **Micro USB Jack (DC 5V):** For charging the internal battery.
- **Lanyard Hole:** For attaching the included lanyard.
- **Loudspeaker:** Integrated speaker for audio output.

## 5. SETUP

Before using your EXD-737 radio, follow these initial setup steps:

## 5.1 Charging the Battery

The EXD-737 has a built-in 700mAh lithium rechargeable battery. For first use, or if the battery is low, charge the device:

1. Connect the supplied Micro USB charging wire to the Micro USB jack (DC 5V) on the top of the radio.
2. Connect the other end of the charging wire to a DC 5V power source (e.g., a USB wall adapter, computer USB port, or power bank).
3. The battery indicator on the LCD will show charging status. A full charge typically takes about 4-5 hours.

## 5.2 Extending the Antenna

For optimal reception, especially for FM, SW, and VHF bands, extend the telescopic antenna fully. For AM reception, the internal ferrite bar antenna is used, and antenna extension is not typically required.

The radio also comes with an extended external antenna. To use it, plug its 3.5mm connector into the antenna jack on the top of the radio (next to the telescopic antenna base). This can further enhance receiving sensitivity, particularly for shortwave bands.



Figure 5.1: Connecting the extended external antenna for enhanced reception.

## 5.3 Initial Power On

Press and hold the **Power/Sleep** button to turn on the radio. The LCD display will illuminate, and the radio will typically resume the last listened-to frequency and band.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Power On/Off and Volume Control

- **Power On/Off:** Press and hold the **Power/Sleep** button.
- **Volume Adjustment:** Press **VOL+** to increase volume and **VOL-** to decrease volume.

### 6.2 Band Selection

Press the **BAND** button repeatedly to cycle through the available frequency bands: FM, AM, SW, AIR, CB, VHF.

### 6.3 Tuning and Searching for Stations

The EXD-737 offers several methods for finding stations:

- **Manual Tuning:** In any band, press **TUN+** or **TUN-** to manually adjust the frequency step by step.
- **Automatic Search:** Press and hold **TUN+** or **TUN-**. The radio will automatically scan and stop at the next strong signal.
- **Full Automatic Search and Store:** This function scans the entire selected band and automatically stores all found stations into memory presets. Refer to the specific steps in the included user manual for this advanced feature.

### 6.4 Memory Functions (Storing and Recalling)

The radio can store up to 50 frequencies per band.

- **To Store a Frequency:** Tune to the desired frequency. Press and hold the **MEMO** button until the display indicates it's ready to save. Use **TUN+** or **TUN-** to select a memory slot, then press **MEMO** again to confirm.
- **To Recall a Stored Frequency:** Briefly press the **MEMO** button. Use **TUN+** or **TUN-** to cycle through the stored stations.

### 6.5 Setting the Alarm Clock

The radio can be set to turn on automatically at a specific time or sound an alarm tone.

1. With the radio off, press and hold the **SET** button to enter time setting mode. Use **TUN+ / TUN-** to adjust hours and minutes, and **SET** to confirm.
2. After setting the time, press **SET** again to enter alarm setting mode. Adjust the alarm time using **TUN+ / TUN-**.
3. Press **SET** to choose between alarm ringing sound or radio automatic power on. Confirm your selection.

### 6.6 Setting the Sleep Timer

The sleep timer allows the radio to automatically turn off after a set period.

- While the radio is on, briefly press the **Power/Sleep** button.
- Each press will cycle through the available sleep timer durations: 90, 80, 70, 60, 50, 40, 30, 20, 10 minutes, and OFF.
- Select your desired duration, and the radio will automatically power off after that time.

### 6.7 Lock Function

To prevent accidental button presses, use the lock function:

- **To Lock:** Slide the **LOCK** switch (located on the top side of the radio) to the locked position. A lock icon may appear on the display.
- **To Unlock:** Slide the **LOCK** switch back to the unlocked position.

## 7. FREQUENCY BANDS OVERVIEW

The EXD-737 supports a wide range of frequency bands, each with specific applications:

- **AIR (Aviation Band):** 118-138 MHz (5K/50K STEP SEL) - Listen to air traffic control communications. Sensitivity: 2UV (10DB SNR).
- **FM (Frequency Modulation):** 87.5-108 MHz (0.1MHZ STEP) - For local and international FM broadcast stations. Sensitivity: 2UV (30DB SNR).
- **AM (Amplitude Modulation):** 520-1720 KHz (9K/10K STEP SEL) - For local and international AM broadcast stations. Sensitivity: 3MV/M (20DB SNR).
- **CB (Citizens Band):** 25-28 MHz (5KHZ STEP) - For Citizens Band radio communications. Sensitivity: 1UV (10DB SNR).
- **SW (Shortwave):** 2-30 MHz (5KHZ STEP) - For long-distance international broadcasts and amateur radio. Sensitivity: 30DBUV (26DB SNR).
- **VHF (Very High Frequency):** 30-223 MHz (FM-N/FM-W) - Includes various civil bands. VHF-N can receive coast/train/racing/weather channels; VHF-W can receive campus radio and TV sound. Supports civilian VHF intercom band and US NOAA weather band frequency reception. Sensitivity: -5DBUV (20DB SNR).



Figure 7.1: Visual representation of the radio's supported frequency bands.

## EXD-737 BAND OVERVIEW:

<b>AM &amp; FM</b>	<b>SW-Shortwave</b>	<b>CB</b>
Tune in to Local Radio with Crystal Clear Reception	Listen to Broadcasts from Around the World	Road Usage / Emergency
<b>AIRcraft Band</b>	<b>VHF - Marine</b>	<b>VHF - NOAA</b>
Monitor Line of Site Air Traffic	Monitor Marine Radio /Emergency Frequency	Weather Radio

Figure 7.2: Diverse applications across the EXD-737's supported bands.

## 8. MAINTENANCE

To ensure the longevity and optimal performance of your EXMAX EXD-737 radio, follow these maintenance guidelines:

- Cleaning:** Use a soft, dry cloth to clean the radio's exterior. Do not use abrasive cleaners, solvents, or strong chemicals, as they may damage the surface.
- Storage:** When not in use for extended periods, store the radio in a cool, dry place away from direct sunlight and extreme temperatures.
- Battery Care:** Although the battery is built-in, avoid fully discharging it frequently. If storing for a long time, charge it to about 50% every few months to maintain battery health.
- Antenna Care:** Handle the telescopic antenna gently to prevent bending or breaking. Retract it when not in use or when transporting the radio.
- Avoid Moisture:** The radio is not waterproof. Keep it away from water, rain, and high humidity to prevent internal damage.

## 9. TROUBLESHOOTING

If you encounter issues with your EXMAX EXD-737 radio, refer to the following common problems and solutions:

- **No Power / Radio Does Not Turn On:**

- Ensure the battery is charged. Connect the radio to a DC 5V power source using the Micro USB cable and allow it to charge for a few hours.
- Check if the LOCK switch is engaged. Slide it to the unlocked position.

- **Poor Reception / Static:**

- Fully extend the telescopic antenna. For SW and VHF bands, consider using the included external antenna.
- Try repositioning the radio, especially near a window or outdoors, to improve signal strength.
- Interference from other electronic devices (computers, TVs, LED lights) can affect reception. Move the radio away from such devices.
- For AM, try rotating the radio to optimize the internal ferrite antenna's orientation.

- **No Sound from Speaker / Headphones:**

- Increase the volume using the VOL+ button.
- If using headphones, ensure they are fully plugged into the 3.5mm earphone jack. Test with another pair of headphones if possible.
- Ensure the radio is tuned to an active station and not just static.

- **Buttons Not Responding:**

- Check if the LOCK switch is engaged.
- Try turning the radio off and on again (a soft reset).

If the problem persists after attempting these troubleshooting steps, please refer to the warranty and support information.

## 10. SPECIFICATIONS

Detailed technical specifications for the EXMAX EXD-737 radio receiver:

<b>Brand</b>	EXMAX
<b>Model</b>	EXD-737
<b>Dimensions</b>	5.99 x 1.5 x 10.49 cm (2.36 x 0.59 x 4.13 inches)
<b>Weight</b>	213.19 g (0.47 lbs)
<b>Display Type</b>	LCD with Orange Backlight
<b>Speaker</b>	40mm, 8 <sup>Ω</sup> , 1W
<b>Earphone Jack</b>	3.5mm Audio
<b>Power Source</b>	Built-in 3.7V 700mAh Lithium Polymer Battery
<b>Charging Input</b>	DC 5V via Micro USB
<b>Supported Bands</b>	FM, AM, SW, AIR, CB, VHF
<b>FM Frequency Range</b>	87.5-108 MHz (0.1MHz Step)
<b>AM Frequency Range</b>	520-1720 KHz (9K/10K Step Sel)

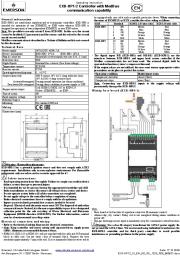
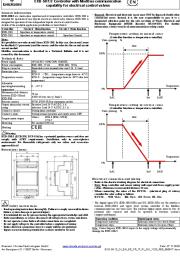
<b>SW Frequency Range</b>	2-30 MHz (5KHZ Step)
<b>AIR Frequency Range</b>	118-138 MHz (5K/50K Step Sel)
<b>CB Frequency Range</b>	25-28 MHz (5KHZ Step)
<b>VHF Frequency Range</b>	30-223 MHz (FM-N/FM-W)
<b>Memory Channels</b>	Up to 50 per band (max 300 total)

## 11. WARRANTY AND SUPPORT

EXMAX provides a **3-year quality warranty** for the EXD-737 Full Band Radio Receiver. This warranty covers manufacturing defects and ensures the product meets its specified performance standards under normal use. For any questions, technical assistance, or warranty claims, please contact EXMAX customer support through the retailer where the product was purchased or refer to the contact information provided in the original product packaging. Please have your product model number (EXD-737) and purchase details ready when contacting support.

### Related Documents - EXD-737

	<p><a href="#"><b>EXMAX EX-938T Wireless Acoustic Transmission System User Manual</b></a></p> <p>User manual for the EXMAX EX-938T Wireless Acoustic Transmission System, detailing setup, operation, troubleshooting, and technical specifications for UHF wireless audio transmission.</p>
	<p><a href="#"><b>EXMAX EX-200E Wireless Tour Guide System User Manual   Operation &amp; Setup Guide</b></a></p> <p>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.</p>
	<p><a href="#"><b>Raddy RF31 Wide Frequency Receiver User Manual   Radioddity</b></a></p> <p>Comprehensive user manual for the Raddy RF31 digital wide frequency receiver, covering features, specifications, and operation for FM, MW, SW, AIR, CB, and VHF bands.</p>
	<p><a href="#"><b>West Durable Lighting EXDURA C1D2 Hazardous Location LED Lights   Spec Sheet</b></a></p> <p>Comprehensive specifications for West Durable Lighting's EXDURA C1D2 series hazardous location LED lights, featuring high efficacy, robust construction, and various compliance certifications. Includes electrical, mechanical, and mounting details.</p>

	<p><a href="#"><u>Emerson EXD-HP1/2 Controller with ModBus Communication Capability - Operating Instructions</u></a></p> <p>Operating instructions for the Emerson EXD-HP1/2 controller, detailing its features, technical specifications, electrical connections, parameter setup, and alarm handling for superheat and economizer control with ModBus communication capability.</p>
	<p><a href="#"><u>Emerson EXD-SH1/2 Controller with ModBus Communication for Electrical Control Valves - Operating Instructions</u></a></p> <p>Comprehensive operating instructions for the Emerson EXD-SH1/2 controller, detailing its capabilities for electrical control valves with ModBus communication. Covers general information, technical data, wiring diagrams, parameter configuration, manual valve operation, and troubleshooting.</p>