

## EBTOOLS MK-178BT

# EBTOOLS Portable AM FM SW Shortwave Radio

MODEL: MK-178BT

## Introduction

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Thank you for purchasing the EBTOOLS Portable AM FM SW Shortwave Radio. This device offers versatile listening options, including AM, FM, and Shortwave radio bands, Bluetooth connectivity, and playback from USB drives or storage cards. Designed for portability and clear sound, this radio is suitable for home, outdoor, and travel use. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your radio.

## Safety Information

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- Do not expose the radio to rain, moisture, or extreme temperatures.
- Avoid disassembling the unit. Refer all servicing to qualified personnel.
- Keep the radio away from strong magnetic fields.
- Use only the provided charging cable or a compatible Type-C cable for charging.
- Do not block the ventilation openings.

## Package Contents

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Please check the package for the following items:

- 1 x Portable Radio (Model MK-178BT)
- 1 x User Manual
- 1 x Lanyard
- 1 x Charging Cable (Type-C)



Image: The EBTOOLS Portable Radio shown with its included lanyard and Type-C charging cable.

## Product Overview

Familiarize yourself with the various parts and controls of your radio.

## Enhanced FM Reception

Experience crystal clear sound as this full band radio offers enhanced FM reception, allowing you to listen to your favorite FM stations without any interference.



Image: Front view of the radio, highlighting the dual speakers and the frequency display panel.



Image: Top view of the radio, detailing the power switch, volume knob, mode/playback controls, charging port, LED indicator, USB port, and TF card slot.





Image: A close-up view of the tuning knob, USB port, and TF (Micro SD) card slot, located on the top panel of the radio.

### Key Controls:

- **OFF/ON Switch:** Located on the top left, controls power.
- **VOLUME Knob:** Adjusts audio output level.
- **CHARGE (DC 5V) Port:** Type-C port for battery charging.
- **M/\* Button:** Mode selection / Bluetooth pairing.
- **◀◀ / ▶▶ Buttons:** Previous/Next track in media modes, or fine-tuning in radio modes.
- **▶■ Button:** Play/Pause for media playback.
- **LED Indicator:** Shows charging status or mode.
- **TF Slot:** For Micro SD (storage) cards.
- **USB Slot:** For USB drives.
- **TUNING Knob:** Adjusts radio frequency.
- **Antenna:** Extendable for improved radio reception.

## Setup

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### 1. Charging the Battery

1. Connect the provided Type-C charging cable to the **CHARGE (DC 5V)** port on the radio.
2. Connect the other end of the cable to a standard USB power adapter (not included) or a computer USB port.
3. The LED indicator will illuminate during charging. It will change color or turn off once fully charged.
4. A full charge provides up to 18 hours of battery life.

### 2. Powering On/Off

- To power on the radio, slide the **OFF/ON** switch to the 'ON' position.
- To power off, slide the switch back to the 'OFF' position.

## Operating Instructions

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### 1. Selecting a Mode

Press the **M/\*** button repeatedly to cycle through the available modes: FM, AM, SW, Bluetooth, USB, and TF Card (if inserted).

### 2. Radio Operation (FM/AM/SW)

1. Extend the telescopic antenna for optimal reception, especially for FM and SW bands.
2. Select the desired radio band (FM, AM, or SW) using the **M/\*** button.
3. Slowly turn the **TUNING** knob to scan for stations. The frequency will be displayed on the front panel.
4. Adjust the **VOLUME** knob to your preferred listening level.

## Extended Battery Life

With up to 18 hours of battery life, this portable AM FM SW radio ensures you have ample power for most of the day, and the type C charging port makes recharging easy when needed.



Image: The radio with its telescopic antenna fully extended, demonstrating optimal setup for radio reception.

### 3. Bluetooth Operation

1. Press the **M/\*** button until the radio enters Bluetooth mode (an audible prompt or indicator may confirm this).
2. On your Bluetooth-enabled device (e.g., smartphone, tablet), search for available Bluetooth devices.
3. Select "MK-178BT" (or similar name) from the list to pair.
4. Once paired, you can stream audio from your device to the radio. Use the **▶■**, **◀◀**, and **▶▶** buttons to control playback.

### 4. USB/Storage Card Playback

1. Insert a USB drive into the **USB Slot** or a Micro SD (TF) card into the **TF Slot**.
2. The radio should automatically switch to USB or TF card mode. If not, press the **M/\*** button to select the correct mode.
3. The radio will begin playing audio files from the inserted storage device.
4. Use the **▶■** button to play/pause, and the **◀◀** / **▶▶** buttons to skip tracks.

## Maintenance

### 1. Cleaning



- Wipe the exterior of the radio with a soft, dry cloth.
- Do not use abrasive cleaners, solvents, or strong chemicals.

### 2. Battery Care

- Charge the battery fully before first use.
- Avoid completely draining the battery frequently to prolong its lifespan.
- If storing the radio for an extended period, charge it to about 50% every few months.

### 3. Storage

- Store the radio in a cool, dry place, away from direct sunlight and extreme temperatures.
- Keep it away from dust and moisture.

## Troubleshooting

Problem	Possible Cause	Solution
Radio does not power on.	Battery is depleted. Power switch is off.	Charge the battery. Ensure the power switch is in the 'ON' position.
Poor radio reception.	Antenna not extended. Weak signal area. Interference.	Fully extend the telescopic antenna. Try repositioning the radio. Move away from electronic devices causing interference.
Bluetooth not connecting.	Radio not in Bluetooth mode. Device not discoverable. Already paired with another device.	Ensure radio is in Bluetooth mode. Make sure your device's Bluetooth is on and discoverable. Disconnect from other devices.
USB/TF card not playing.	Incorrect mode selected. Incompatible file format. Corrupted storage device.	Press <b>M</b> /* to select USB/TF mode. Ensure audio files are in a compatible format (e.g., MP3). Try a different USB drive or TF card.
No sound or low volume.	Volume too low. Mute activated (if applicable).	Increase the <b>VOLUME</b> knob. Check if the connected Bluetooth device's volume is also up.

## Specifications

- **Model Number:** MK-178BT (Internal SKU: EBTOOLSshukg7o0ny-12)
- **Material:** ABS
- **FM Frequency Range:** 87 to 108 MHz
- **AM Frequency Range:** 522 to 1710 KHz
- **SW Frequency Range:** 5.6 to 22 MHz
- **Storage Card/Small Memory Card Support:** Maximum 32GB (not included)
- **Built-in Battery:** 1200mAh Li-Polymer
- **Power Source:** Battery Powered (Type-C charging)
- **Connectivity Technology:** Bluetooth
- **Product Dimensions:** 7.48 x 4.72 x 3.14 inches (19 x 12 x 8 cm)
- **Item Weight:** 1.35 pounds (0.61 kg)



- **Special Features:** Portable, Bluetooth, Rechargeable

## Warranty and Support

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For warranty information or technical support, please refer to the purchase platform or contact EBTOOLS customer service directly. Keep your purchase receipt as proof of purchase.