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› [SEMIER](#) /

› [SEMIER Portable AM FM SW Radio with Bluetooth Speaker User Manual](#)

## **SEMIER SM-828**

# **SEMIER Portable AM FM SW Radio with Bluetooth Speaker User Manual**

Model: SM-828 | Brand: SEMIER

## **1. INTRODUCTION**

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Thank you for choosing the SEMIER Portable AM FM SW Radio with Bluetooth Speaker. This versatile device offers multiple listening options, including AM, FM, and Shortwave radio bands, along with Bluetooth connectivity, MP3 playback via USB/TF card, and a built-in microphone for recording. It also features an LCD display, alarm clock, and multiple power supply options for convenience at home or on the go.



Figure 1: SEMIER Portable AM FM SW Radio (Model SM-828)

## 2. KEY FEATURES

- **Multi-band Radio:** Listen to AM (520–1710 KHz), FM (87–108 MHz), and SW (2.3–21.95 MHz) stations with enhanced reception via a 22.8-inch telescopic antenna and DSP chip.
- **Bluetooth 5.0 Connectivity:** Stream audio wirelessly from your smartphone or other Bluetooth-enabled devices.
- **MP3 Player:** Play music directly from USB drives or TF (Micro SD) cards.
- **MIC Recording Function:** Record audio using the built-in microphone.
- **LCD Display:** Large, clear LCD screen for easy viewing of frequency, time, and other information.
- **Multiple Power Options:** Operates via AC 110V plug-in, a replaceable 1200 mAh 18650 rechargeable battery (included), or 3 D batteries (not included).
- **High-Quality Audio:** Features a premium built-in 6W speaker for clear sound and a 3.5mm earphone jack for private listening.
- **Portable Design:** Compact and lightweight (8.6 x 3.8 x 5.5 inches, 2.0 pounds) with an attached swivel handle

for easy transport.

### 3. PACKAGE CONTENTS

Please ensure all items are present in the package:

- SEMIER Portable AM FM SW Radio (SM-828)
- 1200 mAh 18650 Rechargeable Battery
- AC Power Cord
- USB Charging Cable
- Owner's Manual (this document)

### 4. PRODUCT OVERVIEW

Familiarize yourself with the radio's controls and components:



Figure 2: Front Panel Layout

- **LCD Display:** Shows frequency, time, battery status, and mode.
- **Numeric Keypad (0-9):** For direct frequency input and setting time/alarm.
- **Power/Mode Button:** Turns the radio on/off and cycles through modes (Radio, Bluetooth, MP3).
- **Tuning Knob:** Adjusts radio frequency or navigates menus.
- **Volume Knob (VOL):** Adjusts audio output level.
- **REC/File/DEL Buttons:** For recording functions and file management.
- **SW/AM/FM/BT/MP3 Switch:** Selects the desired operating mode.
- **PREV/NEXT Buttons:** For navigating tracks in MP3 mode or presets in radio mode.
- **PAUSE/REPEAT Buttons:** For media playback control.
- **Telescopic Antenna:** Extends for improved radio reception.
- **USB Port:** For USB drive playback.
- **TF Card Slot:** For TF (Micro SD) card playback.
- **3.5mm Earphone Jack:** For connecting headphones.
- **MIC (Microphone):** Built-in microphone for recording.

## 5. SETUP

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### 5.1 Power Supply

The radio offers three power options:

1. **AC Power (110V):** Connect the included AC power cord to the radio's AC input and plug it into a standard wall outlet. This powers the radio and charges the internal rechargeable battery.
2. **D Batteries:** For portable use without a power outlet, insert three (3) D-size batteries (not included) into the battery compartment on the back of the radio. Ensure correct polarity (+/-).
3. **Rechargeable Battery:** The radio comes with a pre-installed 1200 mAh 18650 rechargeable battery. This battery can be charged via the AC power cord or the included USB charging cable connected to a USB power source (e.g., computer, USB wall adapter).

# Large Speak

Provide good and clear sound quality



Figure 3: Power Supply Options

## 5.2 Antenna Setup

For optimal radio reception, especially for FM and SW bands, extend the telescopic antenna fully. For AM reception, the radio has a built-in AM antenna, but adjusting the radio's orientation may improve reception.

# Bluetooth Speak

Fast connection to the phone in less than 2 seconds



Figure 4: Extending the Telescopic Antenna

## 6. OPERATING INSTRUCTIONS

### 6.1 Power On/Off

Press the **POWER-MODE** button to turn the radio on or off. The LCD display will illuminate when powered on.

### 6.2 Radio Tuning (AM/FM/SW)

Slide the band switch to select **SW**, **AM**, or **FM** mode. Use the **TUNING** knob to manually scan for stations. The frequency will be displayed on the LCD. For direct frequency input, use the numeric keypad.

# Strong AM FM SW Reception

High-quality DSP chip provides excellent reception.



Figure 5: Radio Reception and Display

## 6.3 Bluetooth (BT) Mode

Slide the band switch to **BT** mode. The radio will enter pairing mode. On your smartphone or Bluetooth device, search for available devices and select "BT-07" (or similar name) to connect. Once paired, you can stream audio to the radio.

# USB and TF Card Recording MP3 Music Player

Support playback of MP3 music



Figure 6: Bluetooth Connectivity

## 6.4 USB/TF Card Playback

Insert a USB drive or TF (Micro SD) card containing MP3 audio files into the respective slot. Slide the band switch to **MP3** mode. The radio will automatically detect and begin playing the audio files. Use the **PREV**, **NEXT**, **PAUSE**, and **REPEAT** buttons to control playback.



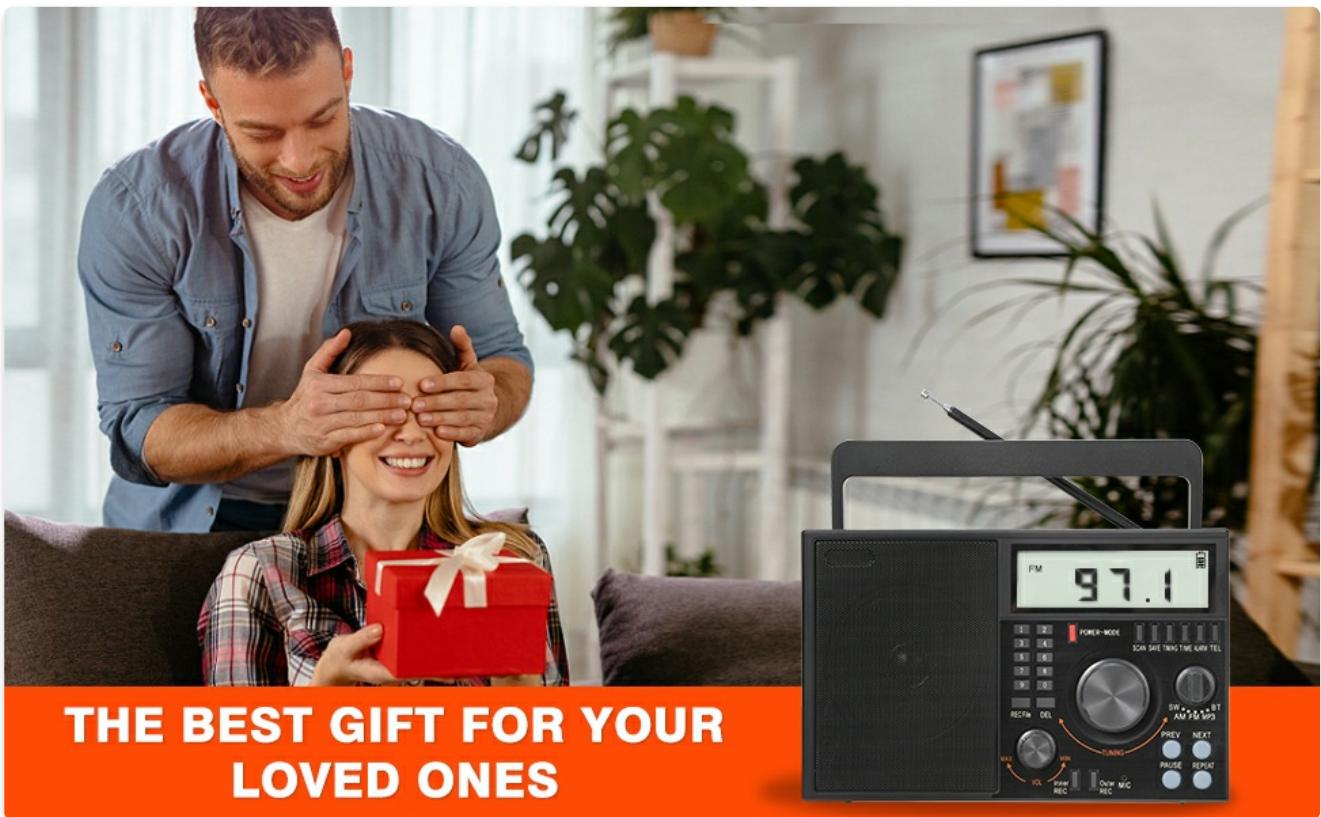
Figure 7: USB and TF Card Playback

## 6.5 MIC Recording

To record audio using the built-in microphone, ensure a USB drive or TF card is inserted. Press the **REC** button to start recording. Press it again to stop. Recorded files can be accessed and played back in MP3 mode.

## 6.6 Alarm Clock Function

The radio features an alarm clock. To set the alarm, refer to the detailed instructions in the full owner's manual. The LCD display will show the current time and can be used to set the alarm time.



**THE BEST GIFT FOR YOUR  
LOVED ONES**

Figure 8: Alarm Clock Display

### 6.7 Earphone Jack

For private listening, plug any standard 3.5mm headphones into the earphone jack located on the side of the radio. The internal speaker will automatically mute when headphones are connected.

# USB and TF Card Recording MP3 Music Player

Support playback of MP3 music

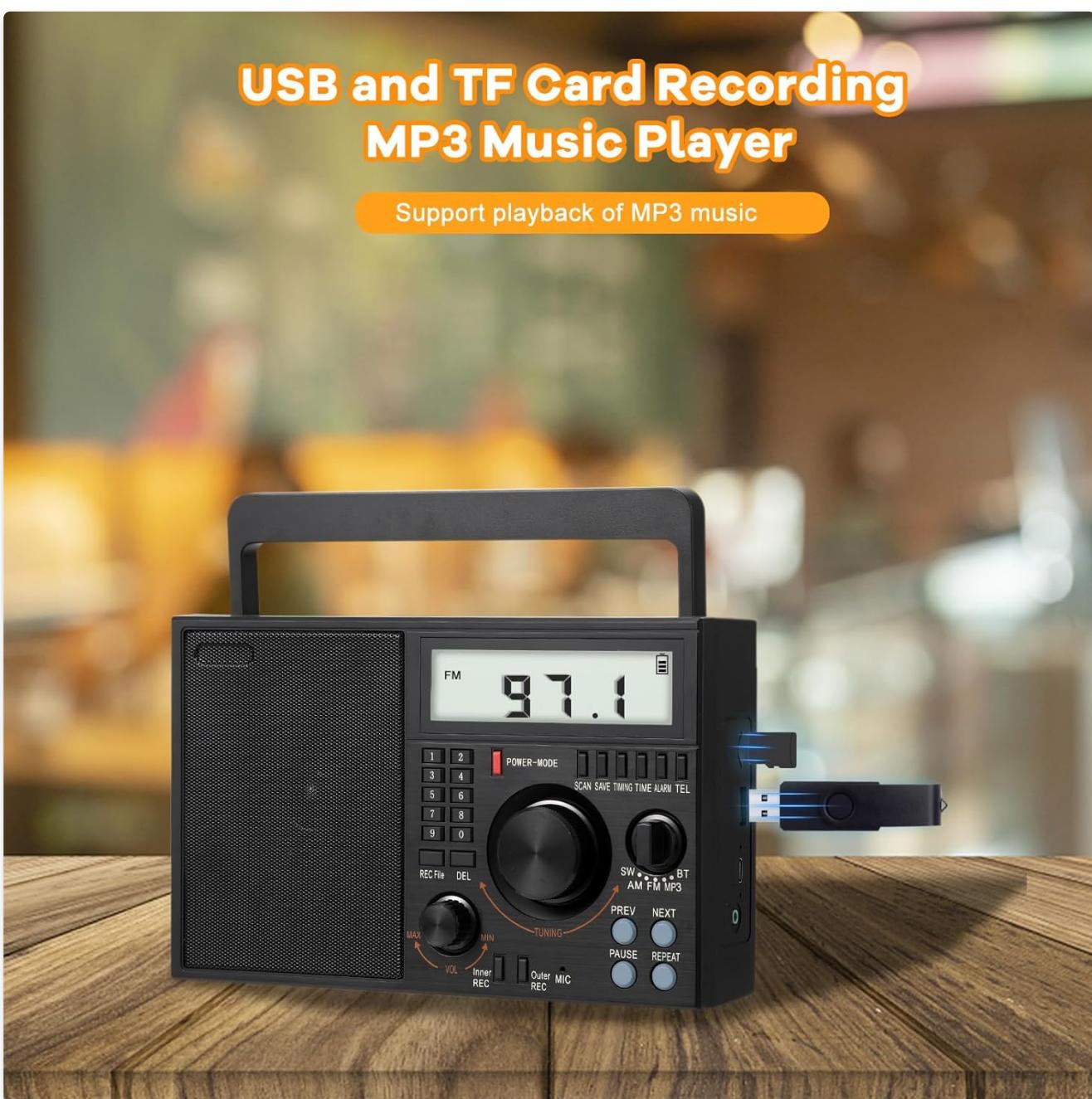


Figure 9: Earphone Jack Usage

## 6.8 Product Video Demonstration

For a visual guide on setup and operation, please watch the official product video below:

Your browser does not support the video tag.

Video 1: Official Product Demonstration of SEMIER SM-828 Radio. This video demonstrates various features including power options, antenna extension, radio tuning (AM/FM/SW), Bluetooth pairing, USB/TF card playback, voice recording, and alarm clock setup.

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your radio:

- Clean the radio with a soft, dry cloth. Do not use liquid cleaners or abrasive chemicals.
- Keep the radio away from extreme temperatures, direct sunlight, and high humidity.
- If not using D batteries for an extended period, remove them to prevent leakage.
- Store the radio in a cool, dry place when not in use.

## 8. TROUBLESHOOTING

| Problem                                       | Possible Cause                                                                                                                               | Solution                                                                                                                             |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Radio does not power on.                      | No power source; batteries drained or incorrectly inserted; AC cord not connected.                                                           | Check AC connection. Ensure rechargeable battery is charged. Insert fresh D batteries with correct polarity.                         |
| Poor radio reception.                         | Antenna not extended; weak signal area; interference.                                                                                        | Fully extend the telescopic antenna. Reposition the radio for better signal. Move away from electronic devices causing interference. |
| LCD display goes blank during radio playback. | This is normal operation to conserve power. The display backlight and frequency information will turn off after a few seconds of inactivity. | Press any button or turn a knob to temporarily reactivate the display.                                                               |
| Radio does not remember last station.         | This model may not retain the last tuned station upon power cycle or band switch.                                                            | Manually tune to your desired station or use preset functions if available (refer to full manual for preset instructions).           |
| Bluetooth connection issues.                  | Radio not in BT mode; device too far; interference; device not discoverable.                                                                 | Ensure radio is in BT mode. Keep devices within 10 meters. Turn off and on Bluetooth on both devices.                                |
| USB/TF card not playing.                      | Card/drive not inserted correctly; unsupported file format; corrupted files.                                                                 | Ensure card/drive is fully inserted. Verify files are in MP3 format. Try a different USB/TF card.                                    |

## 9. SPECIFICATIONS

| Feature                 | Detail                                                           |
|-------------------------|------------------------------------------------------------------|
| Product Dimensions      | 8.6 x 3.8 x 5.5 inches (approx. 7"L x 9"W x 4"H)                 |
| Item Weight             | 2.0 pounds (approx. 1.9 pounds)                                  |
| Brand                   | SEMIER                                                           |
| Color                   | Black                                                            |
| Connectivity Technology | Bluetooth, Auxiliary, USB                                        |
| Tuner Technology        | AM/FM/SW                                                         |
| Power Source            | Battery Powered (Rechargeable 18650, 3x D batteries), AC Plug-in |
| Radio Bands Supported   | 3-Band (AM 520-1710 KHz, FM 87-108 MHz, SW 2.3-21.95 MHz)        |

| Feature             | Detail                                                                                                                             |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Special Features    | Lightweight, Built-In AM Antenna, Built-In Clock, Rechargeable, LCD Display, Bluetooth Speaker, TF Card/USB Playing, MIC Recording |
| Included Components | AC Power Cord, Rechargeable Battery, USB Charging Cable, Owner's Manual                                                            |



Figure 10: Product Dimensions

## 10. WARRANTY AND SUPPORT

SEMIER offers a 90-day money-back guarantee for this product. For any questions, technical assistance, or customer service inquiries, please contact SEMIER customer support. They provide 24/7 customer service to ensure a satisfactory experience.

