

# **SENCOR<sup>®</sup>**

## **SWM 160 R**

**Installation Guide & User Manual**

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## Features:

- Read and Play the MP3/WMA format from the SD/MMC card and USB flash disk
- LCD Displays audio file information and frequency
- LINE-IN function that enables you to enjoy music from the external Audio device such as CD, Media player
- LINE-OUT jack
- Rotary joint design convenient for you to adjust the device's position
- 199 preset channels within 88.1-107.9 MHz.
- Car cigar socket power supply (12V~24V DC power)
- Restore the last frequency, track number and volume when you restart the device
- Many EQ options: Normal, Rock, Pop, Classic, Soft, Jazz, DBB, SRS
- Many circulation mode: All, One, Folder, Random

## Specifications:

Excellent sound quality.

FM transmitting range:

88.1-107.9 MHz

The sound channel separation:

40 dB

Frequency response:

35 Hz-20 KHz

Installation options:

Plug & drive: Easy plug-in into cigarette lighter

Support: SD/MMC, USB

Audio Input the interface:

2.5 mm stereo jack

Audio Output:

2.5 mm stereo jack

Working voltage:

DC 12V~24V

Working temperature:

-15 °C-50 °C

## Keys & Display



## Basic Operations:

**Play/Pause:** press the ►/|| key to play the MP3/WMA file. To pause during playback, press the ►/|| key. To resume, press it again.

**Previous/Next:** Press the ◀◀ key to play the previous track or press the ▶▶ key to play the next track.

**Switch Channel:** Press the “+” or “-” key to switch the open channels. When you switch to a certain channel, the display show the frequency is indicated on the display.

**Note:** There are 199 preset channels: 88.1-107.9 MHz

**Adjust Volume:** Press and hold the “◀◀” decrease volume, or press and hold the “▶▶” key to increase volume.


### Play Music through USB Flash disk

- Plug the USB flash disk that stores MP3 files into the USB port.
- Insert the device into the cigarette lighter socket to draw 12 V~24V Power.
- Press the “+” key or “-” key to select the preset channel without signal interference. You see the selected frequency indicated on the display.
- Tune the car FM radio to the same channel as indicated on the display.
- Now you can enjoy your MP3/WMA music by controlling the keys on the device. For detail information about operation, see “Basic Operation” section.

### Play music on a memory card

This device can read audio files stored on a SD/MMC memory card, and transmit the audio signals to a FM for your listening.

- Plug a memory card that stores audio files into the card slot beside the USB port.
- Insert the device into the cigarette lighter socket to draw 12 V~24V Power.  
Press the “+” key or “-” key to select the preset channel without signal interference. You see the selected frequency indicated on the display.
- Tune the car FM radio to the same channel as indicated on the display.
- Now you can enjoy your MP3/WMA music by controlling the keys on the device. For detail information about playback operation, see “Basic Operation” section.

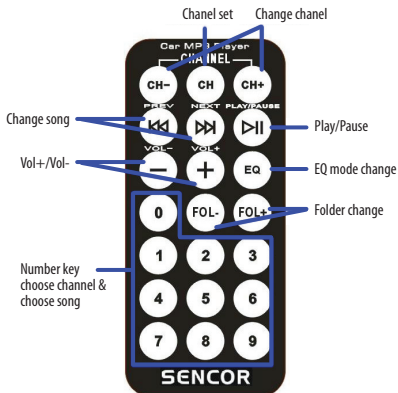
 **Note:** If a removable disk and a memory card are both inserted properly, only the audio files on the removable disk is transmitted and played.

### Play music on an extra audio player

The device supports LINE-IN feature that enables you to enjoy the music from an external audio device such as CD, MD player, etc. The external audio source comes into the device through the line-in jack and is transmitted to the FM tuner by the built-in FM transmitter. You enjoy the music through the FM stereo audio system.

- Connect one end of the LINE-IN cable to the line-in jack of the device and connect the other end to the earphone jack of the external audio device.
- Turn on the external audio player and play the music.
- Press the “+” key or “-” key to select the open channels without signal interference. You see the selected frequency indicated on the display.
- Tune the car FM radio to the same channel as indicated on the display.
- Now you can enjoy music with keys on the audio player.

 **Note:** All keys except channel switch are unavailable when you use the line-in function. You can only use the keys on the extra audio player to control the playback



### Remote Control Function:

1. CH key: Set the frequency after selecting the frequency directly by number key.
2. FL+/FL- key: change the playing folder one by one.
3. CH+/CH- key: Adjusting the frequency with 0.1MHz by short press, with 1 MHz by long press
4. PREV/NEXT key: Select previous or next song.
5. +/- key: Volume Turn up or Turn down
6. PLAY key: Play or Pause by short press; long press to change the circulation mode (All, One, Random, Folder)
7. Number key: Select song by figure under normal playing state, select frequency after entering into the frequency state.
8. Short press EQ key: Change the playing EQ mode (Normal, Rock, Pop, Classic, Soft, Jazz, DBB, SRS)
9. Long press EQ key: Select circulation mode. (ALL, SINGLE, FOLDER, NORMAL, RANDOM)

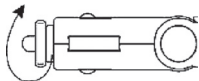
## Notice

- Operation voltage for the device is 12V~24V. Too high or too low voltage could cause the device damaged or failed, please insert the unit with USB or SD card to the car cigarette lighter socket after starting up.
- For the sake of safety, please insert the USB flash disk or memory card before you plug the device into the car cigar socket.
- The device may not support some USB flash disks or memory card.
- If the device cannot read data from USB flash disk or memory card, try to reinsert the USB flash disk/memory card, or reinsert the device into the cigarette lighter socket. If problem persist please use another USB flash disk or another card.
- Frequency of the car FM tuner should be the same as that of the device.
- Do not pull out or insert a USB flash disk or memory card while the device is being powered by the car cigarette lighter. If you want to, remove the device from the socket first and insert or remove the disk or card before you re-power the device.
- The progress may be slow when the USB flash disk or memory card stores too many audio files.

## Safety Fuse Replacement

When the device cannot work properly, it may due to the safety fuse failure. Please replace the safety fuse following these steps if necessary:

- Remove the device from the cigarette lighter socket.
- Twist the tip of the cigar plug.
- Remove the bad safety fuse and insert a new one (Extra in the package)



## Disposal of Used Electrical & Electronic Equipment



The meaning of the symbol on the product, its accessory or packaging indicates that this product shall not be treated as household waste. Please, dispose of this equipment at your applicable collection point for the recycling of electrical & electronic equipments waste. In the European Union and Other European countries which there are separate collection systems for used electrical and electronic product. By ensuring the correct disposal of this product, you will help prevent potentially hazardous to the environment and to human health, which could otherwise be caused by unsuitable waste handling of this product. The recycling of materials will help conserve natural resources. Please do not therefore dispose of your old electrical and electronic equipment with your household waste. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.