

[Manuals.plus](#) /

› [ZHIWHIS](#) /

› ZHIWHIS ZWS-206 Portable Shortwave Radio User Manual

## ZHIWHIS ZWS-206

# ZHIWHIS ZWS-206 Portable Shortwave Radio User Manual

Model: ZWS-206

## 1. PRODUCT OVERVIEW

---

The ZHIWHIS ZWS-206 is a versatile portable radio designed for receiving AM, FM, and Shortwave (SW) broadcasts. It also features Bluetooth connectivity, USB, and Micro SD card playback capabilities, offering multiple options for audio entertainment. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance.



Figure 1: ZHIWHIS ZWS-206 Portable Shortwave Radio (Front View)

## 2. PACKAGE CONTENTS

---

- 1 x ZWS-206 Shortwave Radio
- 1 x Power Cable
- 1 x Owner's Manual (This document)

## 3. PRODUCT FEATURES

---

- **Multiple Power Options:** Operates on 4 AA batteries or via external AC power.
- **High-Quality Audio:** Equipped with a 4-inch, 4Ω, 8W speaker for clear sound.
- **Versatile Media Playback:** Supports AM/FM/SW radio, Bluetooth 5.0, USB drive, and Micro SD card (up to 256GB) playback for MP3, WMA, WAV, APE, FLAC formats.

- **Enhanced Reception:** Features a 24-inch (61 cm) rotatable telescopic antenna and a 3.5mm external antenna port for improved FM/SW reception.
- **User-Friendly Controls:** Large rotary tuning and volume knobs, along with an intuitive button layout.
- **Informative LCD Display:** Large screen shows time, battery status, frequency, track number, playback time, and operating mode.
- **Adjustable Backlight:** LCD backlight with standard and high brightness levels for visibility in various lighting conditions.
- **Convenience Functions:** Digital clock, scheduled power-on, sleep timer (10-120 minutes), keypad lock, and mute function.
- **Memory Presets:** Stores up to 110 radio stations (20 AM, 30 FM, 60 SW).
- **Portable Design:** Compact size (8.6x5x3 inches, 1.7 lb) with a portable handle.

# PORTABLE SHORTWAVE RADIO

Radio, Bluetooth5.0, MicroSD Card, USB Play



Figure 2: Key features and dimensions of the ZHIWHIS ZWS-206 radio.

## 4. SETUP

### 4.1 Power Supply

The ZWS-206 radio can be powered by two methods:

1. **AA Batteries:** Insert 4 AA 1.5V batteries into the battery compartment located on the back of the unit. Ensure correct polarity.
2. **AC Power:** Connect the provided power cable to the AC-IN port on the radio and plug it into a standard wall outlet.

# TWO POWER SUPPLIES

Convenient for use indoors and outdoors

## AC Power Cable (Included)



## 4 AA 1.5V Batteries (Not Included)



Figure 3: Illustration of AC power cable connection and AA battery installation.

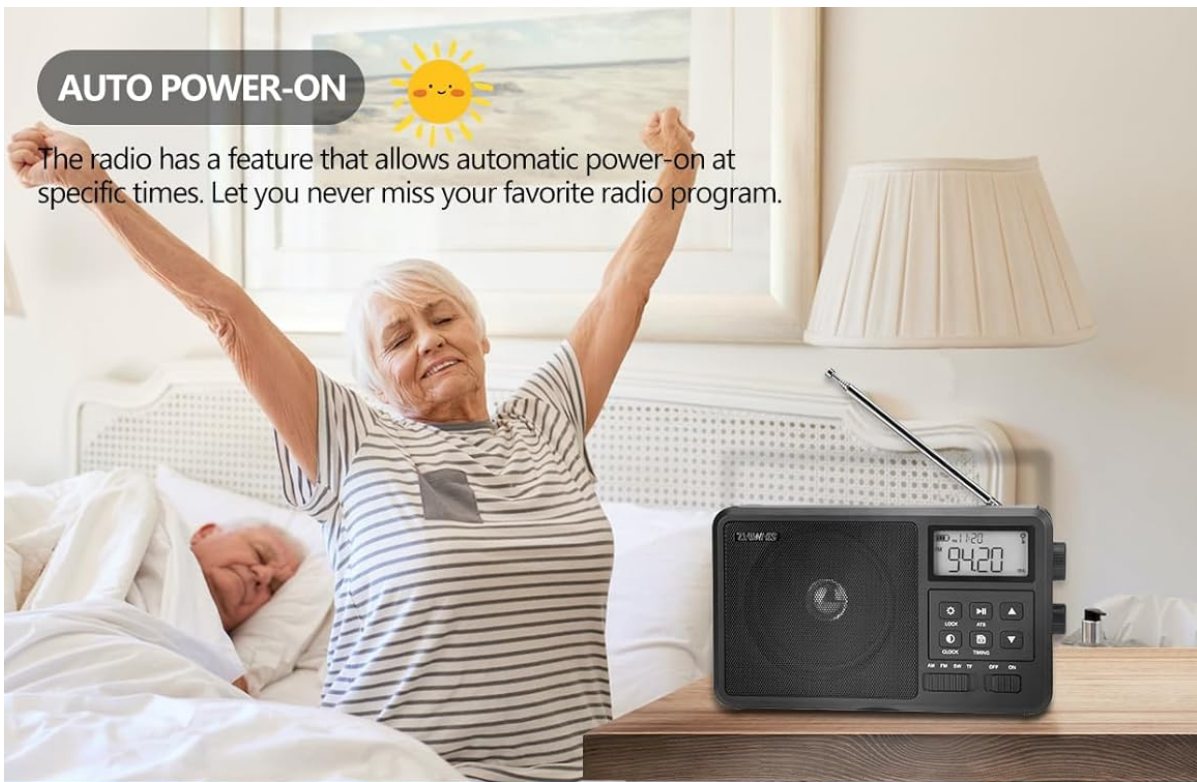
### 4.2 Antenna Setup

For optimal FM and Shortwave (SW) reception, extend the telescopic antenna fully. For enhanced FM/SW sensitivity, an external antenna can be connected to the 3.5mm external antenna port.

## AUTO POWER-ON



The radio has a feature that allows automatic power-on at specific times. Let you never miss your favorite radio program.



## SLEEP TIMER



Set regular shutdown before sleep, let you sleep easily. Sleep timer is up to 120 minutes.



Figure 4: The 3.5mm external antenna port on the back of the radio.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On/Off

Slide the "ON/OFF" switch to the "ON" position to power on the radio. Slide it to "OFF" to power off.

### 5.2 Mode Selection

Use the mode switch (AM/FM/SW/TF/USB/BT) to select your desired operating mode.

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

- **Manual Tuning:** Rotate the large "TUN" knob on the side of the radio to manually tune to a specific frequency.
- **Automatic Tuning System (ATS):** Press the "ATS" button to automatically scan and store available radio stations. The radio can store up to 110 stations (20 AM, 30 FM, 60 SW).
- **Recalling Presets:** Use the up/down arrow buttons to navigate through stored stations.



Figure 5: Close-up of the tuning knob and LCD display showing frequency.

## 5.4 Bluetooth Playback

In Bluetooth mode, the radio will display "bt". Enable Bluetooth on your device and select "ZWS-206" from the list of available devices to pair. Once paired, you can stream audio wirelessly to the radio.



Figure 6: The ZWS-206 radio displaying "bt" for Bluetooth mode, ready for pairing.

### 5.5 USB/Micro SD Card Playback

Insert a USB drive or Micro SD card (up to 256GB) containing MP3, WMA, WAV, APE, or FLAC audio files into the respective port. The radio will automatically switch to the corresponding playback mode. Use the play/pause and skip buttons to control playback.

### 5.6 Clock and Timer Functions

- **Digital Clock:** The LCD displays the current time. Press the "CLOCK" button to set the time.
- **Scheduled Power-On:** Use the "TIMING" button to set a specific time for the radio to automatically turn on.

- **Sleep Timer:** Set the radio to automatically shut off after a period of 10 to 120 minutes using the "TIMING" button.

## COMPACT & PORTABLE DESIGN

Comes with a portable handle and able to stand on its own.



## LCD BACKLIGHT DISPLAY

Adjustable brightness levels: off, standard, high brightness.



Turn off backlight



Standard



High brightness

Figure 7: Visual representation of the auto power-on and sleep timer features.

### 5.7 Display and Backlight

The LCD screen provides clear information. Press the "LIGHT" button (gear icon) to adjust the backlight brightness between off, standard, and high levels.

# EASY TO USE

Intuitive design maximum convenience

**Big Volume & Tuning Knobs**

**LCD Display with Backlight**



Figure 8: Examples of the LCD display with backlight off, standard, and high brightness settings.

## 5.8 Keypad Lock

Press the "LOCK" button to prevent accidental button presses. Press it again to unlock.

## 5.9 Headphone Jack

Connect standard 3.5mm headphones for private listening.

## 6. MAINTENANCE

- **Cleaning:** Wipe the radio with a soft, dry cloth. Do not use abrasive cleaners or solvents.

- **Storage:** If storing for an extended period, remove the AA batteries to prevent leakage. Store in a cool, dry place.
- **Antenna Care:** Handle the telescopic antenna gently to avoid bending or breaking.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Batteries are dead or incorrectly inserted; AC cable not connected.	Replace batteries or ensure correct polarity. Check AC cable connection.
Poor radio reception	Antenna not extended; weak signal; interference.	Extend telescopic antenna. Try repositioning the radio. Connect an external antenna.
No sound from speaker	Volume too low; headphones connected; mute function active.	Increase volume. Disconnect headphones. Deactivate mute.
Bluetooth not pairing	Radio not in Bluetooth mode; device too far; previously paired.	Ensure radio is in BT mode. Move device closer. Forget device on your phone and re-pair.
USB/Micro SD not playing	Unsupported file format; card/drive not inserted correctly; corrupted files.	Ensure files are MP3, WMA, WAV, APE, or FLAC. Reinsert card/drive. Try different files or media.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	ZWS-206
Reception Sensitivity	AM: 84dB; FM: 18dB; SW: 26dB
Signal-to-Noise Ratio	FM: 40dB; AM: 30dB; SW: 32dB
Speaker	4 inches, 4Ω, 8W
Radio Bands Supported	AM (522-1710 kHz), FM (64-108 MHz), SW (2.30-23.00 MHz)
Radio Presets	110 units (AM: 20, FM: 30, SW: 60)
Bluetooth Version	VER 5.0
Bluetooth Reception Distance	≤10 meters
Power Supply	DC 6V (4 x 1.5V AA batteries) or AC Power
Supported Media Formats (TF/USB)	MP3, WMA, WAV, APE, FLAC
Max TF Card Capacity	256GB
Earphone Jack	3.5mm
Dimensions (L x W x H)	8.6 x 5 x 3 inches (22 x 13 x 7 cm)
Weight	1.7 lb (826g)

## 9. WARRANTY AND SUPPORT

---

ZHIWHIS offers a full 12-month guarantee for the ZWS-206 Shortwave Radio. If you encounter any issues with the product, please contact ZHIWHIS customer service. We provide 24/7 customer support to address any questions or concerns you may have.

For support, please refer to the contact information provided on the product packaging or the official ZHIWHIS website.