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# Thomson WS102TWH Bluetooth Speaker and Digital Weather Station User Manual

Model: WS102TWH

## INTRODUCTION

The Thomson WS102TWH is a versatile device combining a Bluetooth 5.3 speaker with a comprehensive digital weather station. It features an FM radio, a wireless outdoor sensor for temperature and humidity, air quality display, moon phase indication, and a DCF automatic clock. This manual provides detailed instructions for setting up, operating, and maintaining your device.



Image: The Thomson WS102TWH main unit with its wireless outdoor sensor, showcasing the display and speaker grille.

## PACKAGE CONTENTS

Please check that all items are present in the package:

- Thomson WS102TWH Main Unit
- Wireless Outdoor Sensor
- Power Adapter
- Quick Start Guide



Image: The main unit, outdoor sensor, and power adapter laid out, representing the package contents.

## SAFETY INFORMATION

Read all safety instructions before using the device. Keep this manual for future reference.

- Do not expose the device to water, moisture, or extreme temperatures.
- Use only the provided power adapter.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel.
- Keep the device away from direct sunlight and heat sources.
- Ensure proper ventilation around the device.
- Dispose of batteries responsibly according to local regulations.

## PRODUCT OVERVIEW

Familiarize yourself with the main unit's display and control buttons.



Image: Close-up view of the main unit's display, showing time, date, weather forecast, air quality, pressure, indoor and outdoor temperature/humidity, and the control buttons on the top and side.

### Main Display Elements:

- **Time & Date:** Current time (12/24h format) and date.
- **Weather Forecast:** Graphical representation of upcoming weather conditions.
- **Air Quality:** Indication of air quality.
- **Pressure:** Atmospheric pressure reading.
- **Indoor Temperature & Humidity:** Current conditions inside.
- **Outdoor Temperature & Humidity:** Current conditions from the wireless sensor.
- **Moon Phases:** Display of the current lunar phase.
- **FM Frequency:** Current radio station frequency.
- **Bluetooth Indicator:** Shows Bluetooth connection status.

### Control Buttons:

- **SEL (< / >):** Selects options or navigates menus.
- **MODE / CLOCK:** Switches modes (e.g., FM, Bluetooth) or enters clock setting.
- **VOL (- / +):** Adjusts volume or changes settings values.
- **Brightness Button:** Adjusts display backlight intensity.

## SETUP

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### 1. Powering the Main Unit

1. Connect the provided power adapter to the DC IN port on the back of the main unit.
2. Plug the adapter into a standard wall outlet. The display will light up.

### 2. Installing Batteries in the Outdoor Sensor

1. Open the battery compartment on the back of the wireless outdoor sensor.
2. Insert two AAA batteries (not included), ensuring correct polarity (+/-).
3. Close the battery compartment securely.

### 3. Pairing the Outdoor Sensor

The outdoor sensor will automatically attempt to pair with the main unit upon battery installation. Ensure the sensor is within range (typically up to 30 meters in open air) of the main unit. The outdoor temperature and humidity will appear on the main unit's display once paired.



Image: The Thomson WS102TWH main unit placed on a wooden surface next to a potted plant, displaying indoor and outdoor weather information. The outdoor sensor is visible in the background.

#### 4. Initial Clock and Date Setting (DCF)

The device features DCF radio-controlled time synchronization, which automatically sets the time and date. This process may take a few minutes or hours depending on signal strength. Place the unit near a window for better reception.

- If the time does not synchronize automatically, you can set it manually by pressing and holding the **MODE/CLOCK** button. Use the **SEL** and **VOL** buttons to adjust values.

## OPERATING INSTRUCTIONS

### 1. Adjusting Display Brightness

Press the **Brightness Button** (usually indicated by a sun icon) on the top of the unit to cycle through 4 levels of backlight intensity.

### 2. FM Radio Operation

1. Extend the telescopic antenna on the back of the unit for optimal reception.
2. Press the **MODE/CLOCK** button repeatedly until 'FM' is displayed.
3. Press and hold the **SEL** button to initiate an automatic station search. The radio will scan and save available stations.
4. Use the **SEL** buttons to navigate between saved stations.
5. Adjust the volume using the **VOL** buttons.



Image: The Thomson WS102TWH main unit with its telescopic antenna fully extended, displaying an FM radio frequency on its screen.

### 3. Bluetooth Speaker Function

1. Press the **MODE/CLOCK** button repeatedly until 'BT' (Bluetooth) is displayed. The Bluetooth indicator will flash, indicating pairing mode.

2. On your smartphone or tablet, enable Bluetooth and search for available devices.
3. Select 'WS102TWH' from the list of devices. Once connected, the Bluetooth indicator on the unit will stop flashing and remain solid.
4. You can now play audio from your connected device through the speaker.
5. Adjust the volume using the **VOL** buttons on the unit or your connected device.



Image: The Thomson WS102TWH main unit positioned next to a smartphone, illustrating its use as a Bluetooth speaker for playing music.

## 4. Weather Station Display

The main unit continuously displays various weather data:

- **Forecast:** Icons indicate sunny, partly cloudy, cloudy, rainy, etc.
- **Air Quality:** Provides a general indication of air quality.
- **Pressure:** Displays atmospheric pressure in hPa/mb.
- **Indoor/Outdoor Temperature & Humidity:** Shows current readings. The outdoor sensor should be placed in a sheltered location away from direct sunlight and rain for accurate readings.
- **Moon Phases:** The display cycles through different moon phase icons.



Image: The wireless outdoor sensor for the Thomson WS102TWH, mounted on a white brick wall amidst green foliage, demonstrating a typical placement for outdoor readings.

## 5. Alarm Clock Function

To set an alarm:

1. In clock mode, press the **MODE/CLOCK** button once to enter alarm setting mode.

2. Use the **SEL** and **VOL** buttons to set the desired alarm time.
3. Press **MODE/CLOCK** again to confirm and activate the alarm. An alarm icon will appear on the display.
4. To disable the alarm, repeat the steps and turn the alarm off.

## MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement (Outdoor Sensor):** When the battery indicator for the outdoor sensor appears on the main unit's display, replace the AAA batteries in the sensor.
- **Storage:** If storing the device for an extended period, remove batteries from the outdoor sensor.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on main unit	Power adapter not connected or faulty.	Ensure power adapter is securely connected to the unit and a working power outlet.
Outdoor temperature/humidity not displayed	Outdoor sensor batteries low or not installed; sensor out of range; pairing issue.	Replace sensor batteries. Move sensor closer to the main unit. Re-pair the sensor by removing and reinserting its batteries.
Poor FM radio reception	Antenna not extended; weak signal.	Fully extend the telescopic antenna. Try repositioning the unit.
Bluetooth not connecting	Unit not in pairing mode; device already connected; incorrect device selected.	Ensure the unit is in Bluetooth pairing mode (BT flashing). Disconnect from other devices. Select 'WS102TWH' from your device's Bluetooth list.
Time not synchronizing (DCF)	Weak DCF signal.	Move the unit closer to a window or to a different location to improve signal reception. Allow several hours for synchronization.

## SPECIFICATIONS

Feature	Detail
Brand	THOMSON
Model	WS102TWH
Connectivity Technology	Bluetooth 5.3
Power Source	Main Unit: AC Power Adapter (included); Outdoor Sensor: 2x AAA Batteries (not included)
Special Features	Digital Weather Station, FM Radio, DCF Clock, Temperature Display, Humidity Display, Air Quality, Moon Phases, Alarm Clock
Material	Wood and Plastic

Feature	Detail
Main Unit Dimensions	Approximately 15 x 5 x 8 cm (Length x Width x Height)
Outdoor Sensor Dimensions	Approximately 11 x 4.8 x 1.8 cm (Height x Width x Depth)
Weight	300 g (Main Unit)
Temperature Accuracy	0.5 degrees Celsius
FM Frequency Range	88.0 - 108.0 MHz

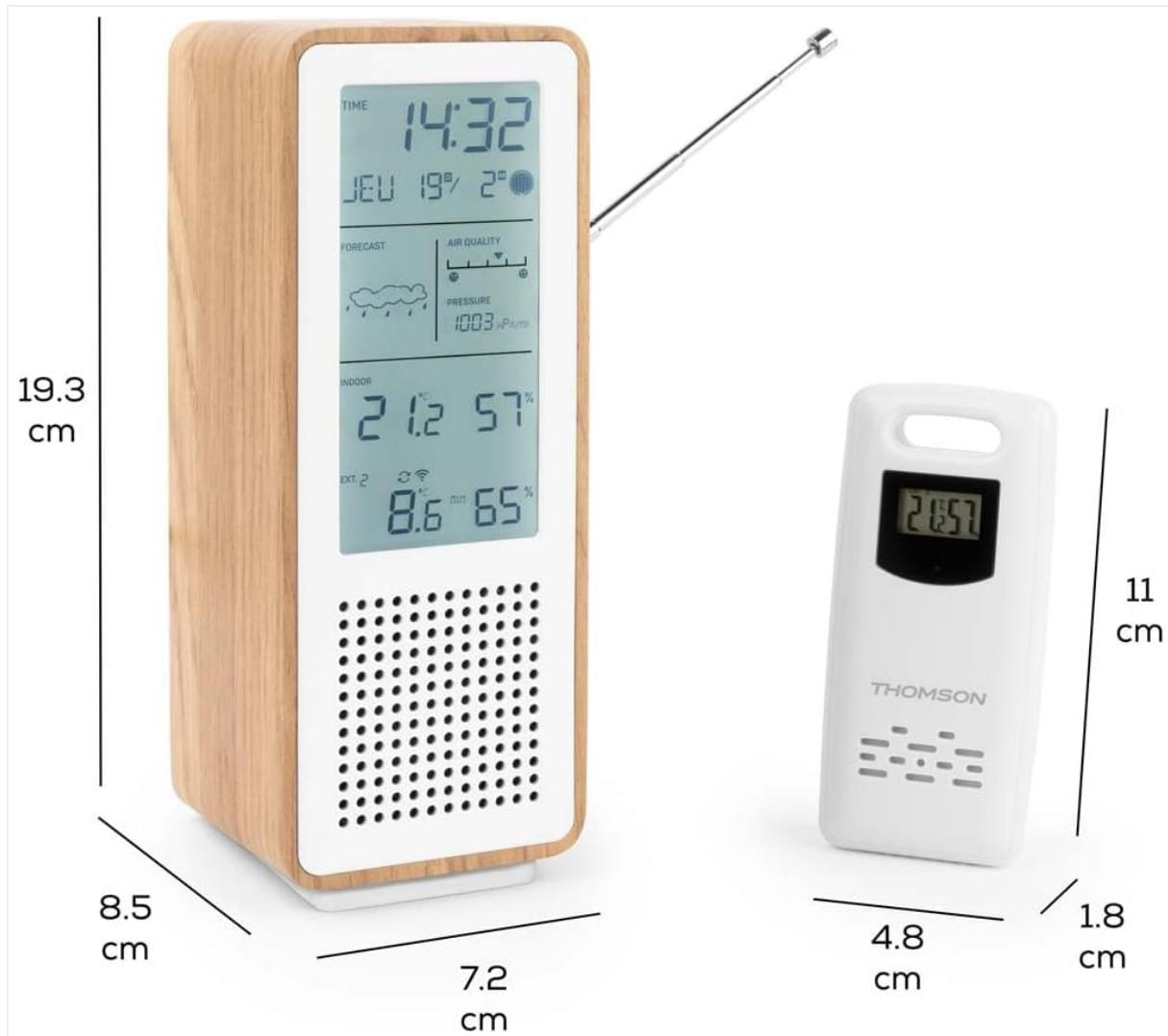


Image: A diagram illustrating the dimensions of the Thomson WS102TWH main unit and its wireless outdoor sensor in centimeters.

## WARRANTY AND SUPPORT

Your Thomson WS102TWH device is covered by a manufacturer's warranty. For detailed warranty information, technical support, or service inquiries, please refer to the official Thomson website or contact their customer service department. Keep your proof of purchase for warranty claims.

