# Wireless Thermometer
## Instruction Manual
### XT200

**Introduction**

Congratulations on purchasing this compact 433MHz temperature station which displays time，indoor temperature and outdoor temperature readings。With four easy to use keys，this product is ideal for use in the home，office，hospital or entertainment etc.

## Inventory of contents:

1. one indoor station
2. one remote sensor
3. Instruction Manual

## Function:

1. Indoor temperature
2. Outdoor temperature
3. Min/Max record of temperature
4. Switch from ˚C to ˚F for temperature unit
5. Quartz time, calendar date.
6. Flip out desk stand or wall mount.

## Quick Setup

Hint：Use good quality Alkaline batteries and avoid using rechargeable。

1. Have the indoor temperature station and remote temperature sensor 3 to 5 feet apart.
2. Place the batteries into the indoor temperature station first. All LCD segment will be turned on for 4 seconds, then the Outdoor Reception Signal Icon displayed, indicating that receiver is trying to find the remote sensor. Then place the batteries into the remote temperature sensor, transmitter will send out a temperature reading value first, after this the red signal light will be turned on for 8 seconds. Within one minute, outdoor temperature data will be displayed indicating that receiver has synchronized with the transmitter. After both indoor and outdoor temperatures are displayed for 15 minutes you can place your remote sensor outdoors and set your time.
3. If a key is pressed before the weather station receives the temperature signal, it will take 10 minutes before the receiver re-synchronizes with the outdoor sensor again. If a reset is needed for receiver or transmitter, pull out the batteries and wait 10 seconds before re-insert the battery to make a proper reset.

## Key Operation

There are four different function keys available: Mode, CH/+, ˚C/˚F and Min/Max /-.

**Mode key (setting):**

1. During the normal working mode, press and hold for the MODE key about 3 seconds to enter the Manual setting mode. It will show 12/24 hour time display, temperature unit (˚C/˚F) display, and manual time settings.
2. During the normal working mode, short press MODE key to toggle display different time display format: hh:mm:ss, hh:mm:weekdate. yy:mm:dd.

**CH + key (Channel, plus):**

During the normal working mode, press shortly to toggle between different channel readings if there is more than one channel of remote temperature sensor learned before.

During manual time setting mode, short press to toggle the selection or increment the setting value.

**˚C/˚F key (temperature unit):**

During the normal working mode, press ˚C/˚F key once, the display unit will switch from ˚C to ˚F for temperature unit. Press same key again, will switch back to ˚C.

**Min/Max key - (Min/Max temperature, minus):**

1. During the normal working mode, press shortly to display the minimum temperature recorded for indoor and outdoor temperature. Press again to show maximum recorded temperature. Press third time, it will switch back to current temperature.
2. When Min or Max recorded temperature displayed, press and hold this key 3 seconds, the recorded Min and Max temperature data will be replaced by current indoor and outdoor temperature.

**Manual setting:**

1. In normal display mode, press and hold the **MODE** key for about 3 seconds. The "12h" or "24h" digit will be flashing. Press +(CH) or –(MIN/MAX) key to set the desired hour display mode.
2. Press MODE key again to confirm and go to the **TEMPERATURE UNIT (˚C/˚F) SETTING**. The temperature unit digit of the time display will be flashing. Press +(CH) or –(MIN/MAX) key to set the desired temperature unit ˚C/˚F display mode.
3. Press MODE key again to confirm and go to the **DD/MM SETTING**.

The DD/MM digit of the time display will be flashing. Press +(CH) or –(MIN/MAX) key  to set the desired day-month or month-day display mode.

4.　Press MODE key again to confirm and go to the **HOUR SETTING**: The hour digit of the time display will be flashing. Press +(CH) or –(MIN/MAX) key to adjust the hour (Press and hold to allow fast advancing). Press MODE key to confirm and go to the MINUTE setting.

5. Press MODE key again to confirm and go to the **MINUTE SETTING**. The minute digit of the time display will be flashing. Press +(CH) or –(MIN/MAX) key to adjust the minute (Press and hold to allow fast advancing). Press MODE key to confirm and go to the WEEK DATE setting.

6. Press MODE key again to confirm and go to the **WEEK DATE SETTING**. The week date digit of the time display will be flashing. Press +(CH) or –(MIN/MAX) key to adjust the day. (Press and hold to allow fast advancing). Press MODE key to confirm and go to the YEAR setting.

7. Press MODE key again to confirm and go to the **YEAR SETTING**. The year digit of the time display will be flashing. Press +(CH) or –(MIN/MAX) key to adjust the year.(Press and hold to allow fast advancing). Press MODE key to confirm and go to the MONTH setting.

8. Press MODE key again to confirm and go to the **MONTH SETTING**. The month digit of the time display will be flashing. Press +(CH) or –(MIN/MAX) key to adjust the month. (Press and hold to allow fast advancing). Press MODE key to confirm and go to the DAY setting.

9. Press MODE key again to confirm and go to the **DAY SETTING**. The day digit of the time display will be flashing. Press +(CH) or –(MIN/MAX) key to adjust the date. (Press and hold to allow fast advancing) Press MODE key once more to return to normal display.

**To wall mount:**

1. Fix a screw (not supplied) into the desired wall, leaving the head extended out by about 5mm.

2. Hang the Temperatures Station onto the screw. Remember to ensure that it locks into place before releasing.

**How to fix outdoor sensor**

Note: To achieve a true temperature reading, avoid mounting in direct sunlight. We recommend that you mount the remote sensor on an outside North-facing wall; obstacles such as walls, concrete, and large metal objects will reduce the range.

**Maintenance and Care**

1. Extreme temperatures, vibration, and shock should be avoided to prevent damage to the units.

2. Clean displays and units with a soft, damp cloth. Do not use solvents or scouring agents; they may mark the displays and casing.

3. Do not submerge in water.

4. Do not subject the units to unnecessary heat or cold by placing them in the oven or freezer.

5. Opening the casings invalidates the warranty. Do not try to repair the unit..

The remote temperature sensor should be placed in a dry, shaded area. The thermometer sensor has a range of 150 feet. Keep in mind that the 150 feet is in free open air with no obstructions and that radio waves **DO NOT** curve around objects. Actual transmission range will vary depending on what is in the path of the signal. Each obstruction (roof, walls, ceilings, thick trees, etc.) will effectively cut signal range in half.

**Specification**

1. Indoor temperature range: -10°C ~ +60°C

2. Remote temperature range: -40°C ~ +65°C

3. Temperature accuracy: +/-1.0°C

4. Power requirements (receiver): 2 x "AA"，（remote): 2 x "AAA" alkaline batteries

5. Transmission frequency: 433.92MHz

6. Transmission range: up to 50 meters (150 feet) in free open air

7. 1 years battery life for both outdoor and remote sensor (alkaline battery used)

8. RoHS Compliance

9. Time accuracy for quartz:+/-1.5s per day

**FCC STATEMENT**

1. This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference。

(2) This device must accept any interference received, including interference that may cause undesired operation.

2． Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.