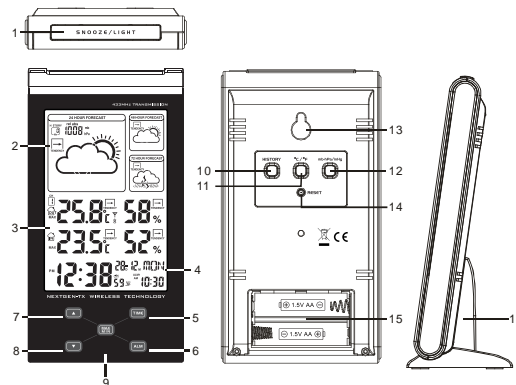


**RADIO CONTROLLED WIRELESS  
WEATHER STATION**User's instructions

The multifunctional weather station is equipped with many functions providing thorough weather information to you. The receiver unit has a clear, easy-to-read display that shows weather forecast, indoor/outdoor temperature, relative humidity, time and date, as well as the temperature and relative humidity measured and transmitted by the sensor. It is able to receive and display readings from up to 3 remote sensors.

The receiver unit retains the minimum and maximum temperatures and relative humidity readings measured at various locations. The 433 MHz technology means no wire installation is required and you can place the sensors anywhere you like.

With radio controlled function, the current time and date are automatically synchronized with the time signal transmitted from Germany (DCF77).

**MAIN FEATURES:****WEATHER STATION:**

1. **SNOOZE/LIGHT** key:
  - Press it once to turn on the backlight for 5 seconds.
  - Press it to stop the current alarm when it is sounding and enter the snooze mode.

2. **Weather forecast window:**
  - Show the weather forecast for coming 12 to 24 hours.

3. **Temperature window:**
  - Show the indoor and outdoor temperature, humidity.

4. **Calendar window:**
  - Displays clock time, month, date, day of the week and alarm time.

5. **TIME** key:
  - Press it to switch between alarm1 and alarm2.
  - Press and hold it for 2 second to enter normal time setting.
  - In normal time setting mode, press it to step the setting.

6. **ALM** key:
  - In normal time mode, press it to turn on/off alarm1 and alarm2.
  - In alarm1/alarm2 mode, press and hold it for 2 seconds to enter alarm time setting.
  - In alarm setting mode, press it to step the setting items.

7. **UP** key:
  - Press it to select the channel 1, 2 or 3.
  - In setting mode, press it to increase the setting value.

8. **DOWN** key:
  - Press it switch between 12 and 24 hour format.
  - In setting mode, press it to decrease the setting value.

9. **MAX/MIN** key:
  - Press it to check the maximum/minimum temperature & humidity records.
  - Press and hold it for 3 seconds to delete the maximum and minimum records.

10. **HISTORY** key:
  - Press it to check the pressure records in the past 24 hours.

11. **°C/°F** key:
  - Press it to switch between Celsius and Fahrenheit.
  - Press and hold it for 3 seconds to receive the RC signal for reception testing.

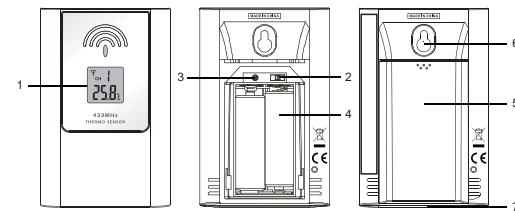
12. **mb-hPa/inHg** key:
  - Press it to switch between **mb-hPa** and **inHg**.
  - Press and hold it for 3 seconds to enter the "rel" and "abs" switch mode.

13. **WALL-MOUNTING HOLDER:**
  - Use it to support the main unit on the wall.

14. **RESET** key:
  - Press it to reset all values to default values.
  - In case of malfunction, the unit may be required to reset.

15. **BATTERY COMPARTMENT:**
  - Accommodates 2 x AA size batteries (alkaline batteries recommended).

16. **TABLE STAND:**
  - Support the main unit on the desktop.

**TRANSMITTER**

1. **LCD:**
  - Display the current temperature and humidity monitored by the remote unit alternatively.

2. **CHANNEL SLIDE SWITCH:**
  - Assign the transmitter to Channel 1, 2 or 3.

3. **RESET** key:
  - Restart the transmitter.

4. **Battery compartment:**
  - Accommodates 2 x AA size batteries.

5. **Battery door**

6. **Wall mounting holder:**
  - Supports the transmitter in wall mounting.

7. **Table stand:**
  - Use it to support the clock on the desktop.

**BEFORE USING THE TRANSMITTER**

1. Remove the transmitter from the stand and open the battery door of the transmitter.
2. Insert 2 x AA size batteries into the battery compartment. Make sure you insert them the right way (see polarity information+/- in the battery compartment).
3. Replace the battery door.

**NOTE:**

Avoid placing the transmitter in direct sunlight, rain or snow.

**WEATHER STATION**

1. Remove the battery door and insert 2 x AA batteries into the battery compartment. Make sure you insert the batteries the right way.
2. Replace the battery door.
3. Press RESET key to re-start the clock and it will synchronize with the transmitter automatically.

**NOTE:**

1. The building material and the position of the receiver and transmitter affect the effective range. So try various locations will help to obtain the best result.
2. Place the units away from metal objects and electrical appliances to minimize the interference. Position the receiver and the transmitter within effective transmission range: 30 meters in usual circumstance.

**RECEPTION OF RADIO CONTROLLED TIME SIGNAL**

The time and date are radio-controlled. The current time and date are automatically synchronized with the time signal transmitted from Germany(DCF77). When used for the first time (after inserting the batteries or pressing the "RESET" key), the clock will start to receive the RC signal in 5 minutes with the signal strength indicator flashing.

**SIGNAL STRENGTH INDICATOR**

The signal indicator displays signal strength in 3 levels. Wave segment flashing means time signals are being received. The signal quality could be classified into three types:

Weak signal quality	Acceptable signal quality	Excellent signal quality

**NOTE:**

1. Everyday the unit will automatically search for the time signal at 2:00, 8:00, 14:00 and 20:00.
2. Always place the unit away from interfering sources such as TV set, computer, etc.
3. Avoid placing the unit on or next to metal plate.
4. Closed area such as airport, basement, tower block or factory is not recommended.
5. Do not start reception on a moving article such as vehicle or train.

**MANUAL TIME SETTING**

If you are out of the reach of the Radio Controlled Transmitter or if the reception is not reachable, the time can be set manually. As soon as the transmitter is received again, the clock will automatically synchronize with received time.

1. In normal time mode, press and hold "TIME" key for 2 seconds until the Time zone map flashes.
2. Press "UP" or "DOWN" key to select the proper time zone.
3. Press "TIME" key again, Year digit flashes, press "UP" or "DOWN" key to change its value.
4. Repeat the above operation to set the time in this order: Year > Month > Date > DST ON/OFF > Hour > Minute > Second > Day Language > +/-23hours time difference.
5. Press "TIME" key to save and exit the setting or let it exit automatically 30seconds later without pressing any key.

**ALARM AND SNOOZE SETTING**

1. In normal time mode, press "TIME" key once to select the alarm1 or alarm2.
2. In alarm1/alarm2 mode, press and hold "ALM" key for 2 seconds until alarm Hour digit flashes.
3. Press "UP" or "DOWN" key to change the value.
4. Repeat the above operations to set time and calendar in this order: Hour > Minute > Temperature pre-alarm ON/OFF.
5. Press "ALM" key to save and exit the setting, or let it exit automatically 30 seconds later without pressing any key.

**NOTE:**

1. The alarm will be automatically turned on when you set the alarm time with the icon "1" or "2" displayed.
2. The dual-alarm (ALM1 & ALM2) design of this unit will provide you with more convenience, and you can set two-alarm time if needed.

**USING ALARM & TEMPERATURE PRE-ALARM****FUNCTIONS**

1. Set the alarm time as described in the previous section.
2. Press "ALM" key once to turn on alarm1, press it twice to turn on alarm2, press it thrice to turn on both alarm1 and alarm2,with the bell icons displays on the LCD. Press it again to turn off both alarm1 and alarm2, with the icons disappear.

NOTE:

1. To turn on temperature pre-alarm, ALARM must be on.
2. The temperature pre-alarm can sound 30 minutes earlier than the alarm only when the outdoor temperature is below -3°C (26°F).
3. If no key is pressed during the alarm period, the alarm will turn off automatically. You can also press "SNOOZE/LIGHT" key to stop the current alarm and enter the snooze mode. With the bell icon keep flashing.
4. Once the snooze function is turned on, the 4-step crescendo alarm will sound 13 times in 5-minute interval. The alarm duration is 120 seconds.

RELATIVE ATMOSPHERE PRESSURE SETTING

The "rel" display on the LCD is the abbreviation of "relative", which refers to the relative atmosphere pressure based on the sea level; while "abs" is the abbreviation of "absolute", which means the absolute atmosphere pressure of your location. You can set the relative atmosphere pressure value according to the following steps:

1. Get the atmosphere pressure data of the sea level (it is also the relative atmosphere pressure data of your home area) through the local weather service, internet and other channels.
2. Press and hold "mb-hPa/inHg" key for 2 seconds until "abs" or "rel" icon flashes.
3. Press "UP"/"DOWN" key to switch to "rel" mode.
4. Press "mb-hPa/inHg" key once again until the "rel" atmosphere pressure digit flashes.
5. Press "UP" or "DOWN" key to change its value.
6. Press "mb-hPa/inHg" key to save and exit the setting mode, or let it exit automatically 30 seconds later without pressing any key.

NOTE:

1. The default relative atmosphere pressure value is 1013 mb/hPa (29.91 inHg), which refers to the average atmosphere pressure.
2. When you change the relative atmosphere pressure value, the weather indicators will change along with it.
3. The built-in barometer can notice the environmental absolute atmosphere pressure changes. Based on the data collected, it can predict the weather conditions in the forthcoming 24-72 hours. Therefore, the weather indicators will change according to the detected absolute atmosphere pressure after you operate the clock for 1 hour.
4. The relative atmosphere pressure is based on the sea level, but it will change with the absolute atmosphere pressure changes after operating the clock for 1 hour.

READING INDOOR/OUTDOOR TEMPERATURE &

HUMIDITY RECORDS

Change the temperature unit to °C for Celsius or °F for Fahrenheit by pressing "°C/°F" key.

NOTE:

1. If no signals are received or the transmission is interfered, "—" will appear on the LCD.
2. Relocated the clock or transmitter in other positions and make sure the transmission is within the effective range of 30m approx.
3. After several trails in vain, please reset the clock thoroughly. Try out where your multifunctional alarm clock receives the signals best.

VIEWING THE CHANNEL

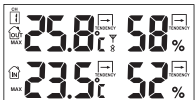
The default channel is Channel 1. In normal time mode, press "UP" key to view the channels from 1 to 3. Besides, the channels can automatically switch by pressing and holding the "UP" key for 3 seconds, with "beep" tone.

CHECKING AND DELETING MAX/MIN TEMPERATURE

& HU MIDITY RECORDS

1. Press "MAX/MIN" key once to check the maximum temperature and humidity records. Press it twice to check the minimum records. Press it again to exit.
2. Press and hold "MAX/MIN" for 3 seconds to delete the maximum and minimum temperature & humidity records, with "beep" tone.

Max. temp. & humidity records



Min. temp. & humidity records



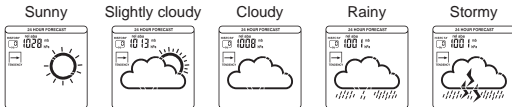
WEATHER TREND

The temperature-trend, humidity-trend and pressure-trend indicator shows the trends of changes in the forthcoming few minutes. Arrows indicate a rising, steady or falling trend.

Arrow indicator			
Pressure trend	Rising	Steady	Falling

WEATHER FORECAST INDICATOR

The built-in barometer can notice atmospheric pressure changes. Based on the data collected, it can predict the weather condition in the forthcoming 24-72 hours.



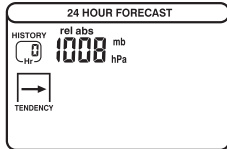
NOTE:

1. The accuracy of a general pressure-based weather forecast is about 70% to 75%.
2. The weather forecast is meant for next 24 to 72 hours, it may not necessarily reflect the current situation.
3. The "Snowy" weather forecast is not based on the atmosphere pressure, but based on the outdoor temperature. When the outdoor temperature is below -3°C (26°F), the "Snowy" weather indicator will be displayed on the LCD.

PRESSURE RECORDS IN THE PAST 24 HOURS

The current and historical atmosphere is shown in the 24 HOUR FORECAST window. The atmosphere can be displayed in mb/hPa or inHg by pressing the "mb-hPa/ inHg" key.

To check the pressure history in a particular hour during the past 24 hours, press the "HISTORY" key. Each press on the key will go back by an hour.



LED BACKLIGHT

This unit is equipped with illuminated touch keys. You can turn on the backlight by pressing any key. The backlight will be on for 5 seconds.

LOW BATTERY INDICATOR

When the LCD becomes dim, replace with 2 new AA size batteries at once; while if the low battery indicator "⌘" displays in the outdoor temperature window, it indicates that the battery power of the transmitter is not enough, and you should replace with 2 x AA size batteries at once.

Transmitter's low battery indicator

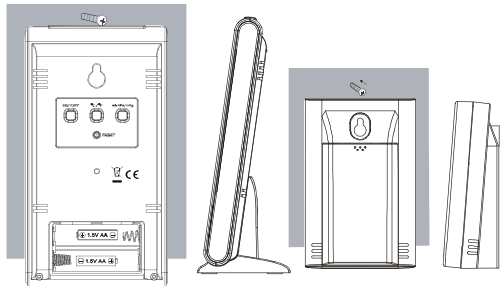


NOTE:

Attention! Please dispose of used unit or batteries in an ecologically safe manner.

USING THE TABLE STAND OR WALL MOUNTING

The receiver has both desktop and wall-mounting structure. Place the screw on the desired wall and hang the clock by the wall mount in the back of it or just simply place it on the desktop by its table stand. For the transmitter, fix the wall-mount holder on the wall or simply place it on the table.



SPECIFICATION

MAIN UNIT

Recommended operating range: 0°C to 45°C  
32°F to 113°F  
Resolution: 0.1°C/°F (above -10°C/14°F)  
1°C/°F (below -10°C/14°F)  
Humidity measuring range: 20%RH to 90%RH

Recommended operating range: 20%RH to 90%RH

Resolution: 1%RH

Pressure measuring range: 950mb to 1030mb  
28.05inHg to 30.41inHg  
Pressure sampling cycle: 15 minutes

Radio controlled signal: DCF77

REMOTE SENSOR

Recommended operating range: -20°C to 55°C  
-4°F to 131°F  
Resolution: 0.1°C/1°F (above -10°C/14°F)  
1°C/1°F (below -10°C/14°F)  
Humidity measuring range: 20%RH to 90%RH

Operating range: 20%RH to 90%RH

Resolution: 1%RH

RF transmission frequency: 433MHz

No. of remote sensor: up to 3 units

RF transmission range: maximum 80 meters

Temperature sensing cycle: around 60-64 seconds

POWER

Main unit: 3V, use 2 x AA 1.5V alkaline battery

Remote sensor: 3V, use 2 x AA 1.5V alkaline battery

DIMENSION

Main unit: 86(W) x 168(H) x 60(D) mm

Remote sensor: 65(W) x 100(H) x 35(D) mm