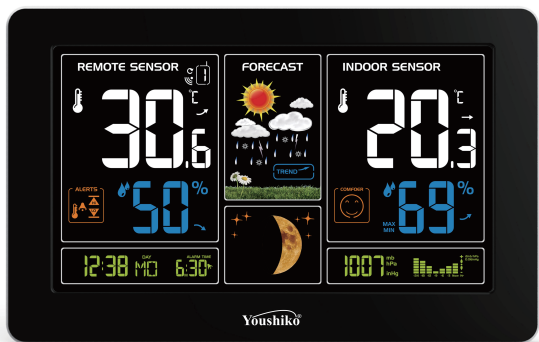# Youshiko YC9444 Radio Control Weather Station

One Step Automatic Set Up:

Connect main colour display indoor unit with power supply and insert required batteries in the sensor and wait for Weather Station to self set automatically by MSF Radio control system.

With in few minutes to few hours or maximum by 05:00 am, depending on the signal or your location .

(After this you never have to do anything, Automatic time change for Spring & Autumn and automatic time checks). In some cases it may take up to 24H to self set everything.

Once fully connected, Then to change the format of Month/Date to Date/Month, Follow the manual time settings.

Keep the weather station display unit well away from TV / Computer / WIFI Hub / Mobile phones etc to avoid any interference .

Please Note:

1. When Weather station is searching for Radio control signal, Colour Display will go dim for few mins, at this stage please don't press any buttons, once weather station receive the radio control signal , Bright colour display will come back on automatically.

2. It may take several attempts before weather station can or pick the radio control signal over the course of 24h from the start.

3. We recommend a minimum distance of 2.5 meters (8.2Feet) to all sources of interference, such as televisions or computer monitors or mobile phones or Wi-Fi Hub etc.

4. This weather station comes with a USB charging socket to charge Mobile phones etc, Please keep the charging devices near the weather station only when charging, otherwise avoid keeping those devices near the weather station as interference may block the radio control or sensor signal.

5. If you use batteries in the main display unit only , the colour display will not be on all the time

6. please use power supply for continuous colour display .

   We recommend to use Duracell or Energizer Alkaline Power Batteries for best results.

<u>Frequently Asked Questions</u>：

1 : Why does the screen turn off after powering on the weather station? And sometimes during the night? What is RCC (MSF)?

A: After powering on the weather station, it will soon activate RCC function (Radio-controlled automatic time-calibration, abbr. RCC or MSF). During the process, the display screen will automatically turn off to reduce other interference. After the process (in 7 minutes), the screen will light up again.

Every night, at 1:00am, 2:00am, 3:00am, it will start RCC. If the reception of RCC signal fails due to signal interference or weak signal, it will start again at 4:00am. If fails again, it will start again at 5:00am. After 5:00am, whether successful or not, it will not automatically start RCC.

During the RCC process (in 7 minutes), if you want to light up the screen, please press "SNOOZE", at the same time RCC will continue. If you want to stop RCC, please press "▲", RCC will stop and the screen will light up.
If you want to activate RCC manually, please hold "▲" for 2-3 seconds, the station will start RCC.

2 : Why does the weather station not display the outdoor temperature? Why is there a horizontal line on the screen? And Why does the temperature and humidity data on the screen show inconsistencies?

A: In order to ensure that the device can receive signals quickly, please follow the steps below:

(1) Power on the weather station first.

(2) Then power on the sensor.

(3) Confirm that the clock and the sensor are in the same channel.

(4) After establishing a connection, the sensor transmits data every 60 seconds to update the temperature and humidity data.

(5) If the connection failed, please hold "▼" for 2-3 seconds to clean up the data and restart to receive the data. And press the button "TX" on the back of the sensor to transmit a signal. The connection will be re-established.

If there is a horizontal line on the screen (not displaying the temperature and the humidity), please ensure your station and the sensor are in the same channel. And if you have only 1 sensor, please deactivate the automatic channel switching by pressing "▼", the "loop" mark will disappear in the channel zone on the screen.]

Please note : that the transmitting distance is within about 60m/196feet. The displayed temperature and humidity will be more accurate after 3 hours. If there is some error, please wait about 3 hours. Indoor and outdoor temperature error within ±1℃, indoor and outdoor humidity error within ±5%.
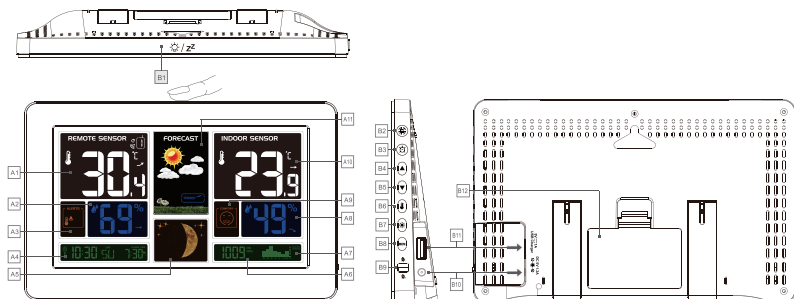
3 : Does it run on batteries during a power outage so that the alarm clock will still wake you up?

A：Yes, the alarm clock will wake you up also when powered by batteries. The weather station can be used with power adapter(in the package) or batteries(not included in the package). If powered by adapter, the screen will be brighter and stay always bright. If powered by batteries, the screen will be darker and it will be off after 8-15 seconds to save battery power.

Features:

▸ MSF Radio control time function

▸ Perpetual Calendar Up to Year 2099

▸ Time in optional 12/24 hour format.

▸ Daily Alarm Function

▸ Automatic snooze function

▸ The moon phase display

▸ Barometric pressure:

    — Barometric pressure measurement ranges: 600 hPa/mb ~ 1100 hPa/mb &

17.72 inHg ~ 32.50 inHg

    — Pressure alternatively in hPa/mb or inHg

▸ Humidity: Indoor & Remote measurable range: 20%RH ~ 95%RH

▸ Temperature:

    — Indoor temperature measurement ranges: 0°C (32°F) ~ 50°C (122°F)

    —Remote temperature measurement ranges: -20°C (-4°F) ~ 60°C (140°F)

    — Temperature alternatively in °C or °F.

    —Remote thermometer and frost alert

▸ Minimum/maximum display for air humidity and temperature

▸ Wireless Remote Sensor:

    — Wall Mount or Table Stand

    — One Wireless Thermo Sensor Included

    — 433.92MHz RF transmitting frequency

    — 60 meter transmission range in an open area

▸ The weather forecasting function

▸ Power Supply:

Weather Station:

Battery: 2 x AA (Not Included)   & / or   Main power supply (Included)

Wireless Remote Sensor:

Battery: 2 x AA (Not Included)

Weather Station Appearance:

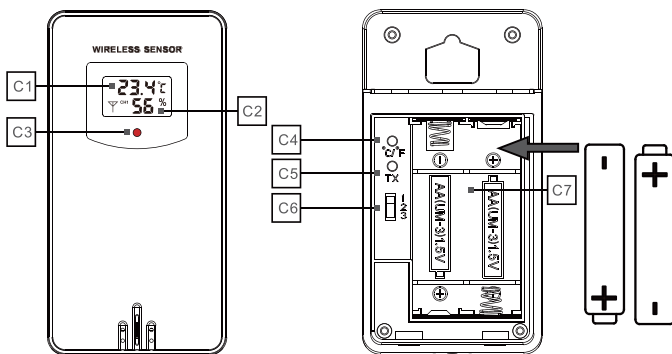**Part A-Positive LCD**

    A1: Remote Temperature

    A2: Remote Humidity

    A3: Remote Temperature Alert

    A4: Time/Calendar or Alarm time/ Weed Indoor Temperature

    A5: Moon Phase

    A6: Barometric pressure

    A7: Histogram shows the trend of 24 hours of atmospheric pressure

    A8: Indoor Humidity

    A9: Indoor comfort

    A10: Indoor Temperature

    A11: Weather Forecasting

Part B – Back button and power

    B1: " ☼ / Z^Z " touch field

    B2: " 🌐 " button

    B3: " ⏰ " button

    B4: " ▲ " button

    B5: " ▼ " button

    B6: " 🌡 " button

    B7: " ☀ " button

    B8: "MEM" button

    B9: Alarm on/off shift switch

    B10: Power supply socket

    B11: USB charger output socket

    B12: Battery compartment

Part C –Wireless Remote Sensor:

C1: LCD display – Temperature

C2: LCD display – Humidity

C3: Transmit signal LED

C4: "°C/°F" button

C5: "TX" button

C6: "CHANNEL 1 or 2 or 3" switch

C7: Battery compartment

Initial operation:

▶ Open Weather Station battery compartment cover

▶ Insert 2 x AA batteries observing polarity ["+" and " −" marks]   and connect with power supply

▶ When you insert the batteries, all the icon on the LCD display will briefly light up for 3 seconds, and you will hear a beep tone, and detect indoor temperature & humidity.

▶ The Weather Station will now start to make a connection to the Remote remote sensor. This operation takes about 3 minutes and is displayed by a flashing reception RF antenna symbol in the "REMOTE SENSOR" display area on the receiver.

▶   Now Open Wireless Remote Sensor battery compartment cover , and insert battries in Sensor , Make sure you have ch1 on sensor   and Insert 2 x AA batteries observing polarity ["+" and "−" marks]

▶ After receiver has created a connection to the remote sensor, it will then be enters the Radio control time receive mode.

Reception of the Radio signal:

▶ The clock automatically starts the **MSF** signal search after 7 minutes of any restart or changing of new fresh batteries. The radio mast icon starts to flash.

During the process, the display screen will automatically turn off to reduce other interference. After the process (in 7 minutes), the screen will light up again.

▶ At 1:00 /2:00 / 3:00 am, the clock automatically carries out the synchronization procedure with the **MSF** signal to correct any deviations to the exact time. If this synchronization attempt is unsuccessful (the radio mast icon disappears from the display), the system will automatically attempt another synchronization at the next full one hour. This procedure is repeated automatically up to total 5 times.

▶ To start manual **MSF** signal reception, press and hold down the " ▲ " button for two seconds. If no signals received within 7 minutes, then the **MSF** signal search stops (the radio mast icon disappears) and start again at the next full one hour.

▶ During RC reception , to stop searching radio signal, press the " ▲ " button once.

F.Y.I.:

▶ A flashing radio mast icon indicates that the **MSF** signal reception has started

▶ A continuously displayed radio mast icon indicates that the **MSF** signal was received successfully

▶ We recommend a minimum distance of 2.5 meters to all sources of interference, such as televisions or computer monitors

▶ Radio reception is weaker in rooms with concrete walls (e.g.: in cellars) and in offices. In such extreme circumstances, place the system close to the window.

▶ During the RC receive mode, only the "▲" button function, other button operation have no function, If you want to carry out other functions of operation, please press "▲" button to exit the RC receiving mode.

Manual time setting:

▶ Press once " 🕰 " button, can switch the display calendar or second

▶ Press and hold down the " 🕰 " button for 2 seconds, the 12/24 hour mode display starts to flash. Now use "▲" and "▼" buttons to set the correct 12/24 hour mode.

▶ Press " 🕰 " to confirm your setting, the Hour display starts to flash. Now use "▲" and "▼" buttons to set the correct hour.

▶ Press " 🕰 " to confirm your setting, the Minute displays starts to flash. Now use "▲" and "▼" buttons to set the correct minute.

▶ Press " 🕰 " button to confirm your setting, the Month and Date icon display starts to flash. Now use "▲" and "▼" buttons to set the date display on Month/Date or Date/Month.

▶ Press " 🕰 " button to confirm your setting, the Year display 2015 starts to flash. Now use "▲" and "▼" buttons to set the correct year.

▶ Press " 🕰 " button to confirm your setting, the Month display starts to flash. Now use "▲" and "▼" buttons to set the correct month.

▶ Press " 🕰 " button to confirm your setting, the Date display starts to flash. Now use "▲" and "▼" buttons to set the correct date.

▶ Press " 🕰 " to confirm your setting and to end the setting procedures, enter the clock mode.

F.Y.I.:

▶ After 20 seconds without pressing any button, the clock switches automatically from Set Mode to Normal Time Mode.

Setting the daily alarms:

▶ Press once " 🕑 " button, can switch the display calendar or alarm time

▶ Press and hold down " 🕑 " button for 2 seconds until Alarm Time hour display of the

Alarm time starts to flash. Use the "▲" and "▼" buttons to set the required hour.

▶ Press " 🕑 " button to confirm your setting, The Minute display of the Alarm time starts to flash. Use the "▲" and "▼" buttons to set the required minute.

▶ Press " 🕑 " button to confirm your setting and to end the setting procedure.

F.Y.I.:

▶ After 20 seconds without pressing any button the clock switches automatically from setting mode to Normal clock mode.

The alarm for opening and closing:

▶ The alarm shift switch is pushed in the " 🔔 " position, LCD display the " 🔔 " icon, the alarm function is open

▶ Product back of the alarm shift switch is pushed in the " 🔕 " position, the " 🔔 " icon disappears, the alarm function is close

F.Y.I.:

▶ The alarm will sound for 2 minutes if you do not deactivate it by pressing any button. In this case the alarm will be repeated automatically after 24 hours.

▶ Rising alarm sound (crescendo, duration: 2 minutes) changes the volume 4 times whilst the alarm signal is heard.

Switching off the alarm signal:

▶ Press any button except the " ☼ / zᶻ " button to stop the alarm signal. It is not necessary to reactivate the alarm. It switches itself automatically to the alarm time which has already been set.

Snooze function:

▶ Touch the " ☼ / zᶻ " field or press the " ☼ / zᶻ " button the alarm signal sounds to get to SNOOZE mode. The alarm signal sounds again after approx. 5 minutes.

Lunar phases and tide indicator:

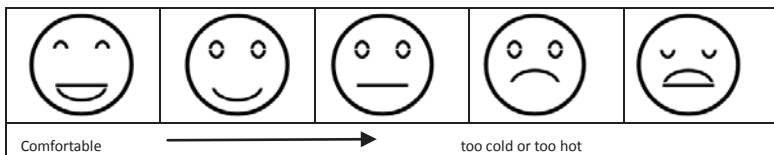▶ The weather station has a display which automatically displays the current lunar phase

New moon	Waxing half-moon	Half-moon	Waxing full moon	Full moon	Waning full moon	Half-moon	Waning half-moon

°C/°F temperature display:

▶ The temperature is displayed either in °C/°F. Briefly pressing the "▲" button allows you to switch between the individual modes.
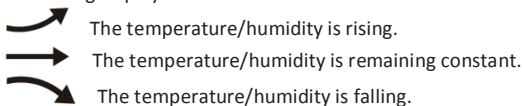
Comfort display:

▶ Indoor comfort level is calculated according to the indoor temperature and humidity, a total of 5 levels.

| Comfortable | → | too cold or too hot |

Displaying temperature/humidity/ barometric pressure and temperature/humidity trend:

▶ The current indoor temperature/humidity/barometric pressure and the temperature/humidity trend (indoors) are shown in the LCD display.

▶ After successfully connecting with the remote sensor, the weather station can display the remote temperature/humidity and the temperature/humidity trend (remote)

▶ You may see the following displays:

The temperature/humidity is rising.

The temperature/humidity is remaining constant.

The temperature/humidity is falling.

Remote sensor transmission:

▶ When the Weather Station successfully receives signals from the wireless sensor, the temperature and humidity of the "REMOTE SENSOR" are displayed on the "REMOTE SENSOR" column of the weather station.

▶ The weather station can connect up to 3 channel wireless sensor registration, the use of multiple wireless sensor, the wireless sensor channel cannot choose the same channel at the same time (a total of 1, 2, 3 channel can choose,)

▶ Press the "▼" key can switch the display of different channels of remote temperature and humidity, when displaying the symbol " ↻ ", will display the channel every 5 seconds automatically switch a channel

▶ If the weather station failed to receive transmission from remote sensor ("- -"display on the LCD), press and hold "▼" button for 3 seconds to receive transmission manually. the remote temperature will show an animation of the RF antenna symbol , the Base Station will re receive the wireless signal of the remote sensor.

F.Y.I.

▶ when the wireless sensor set up different channels, the weather station "REMOTE SENSOR" also want to switch to the same channel. When there is no wireless sensor signal transmission on the channel, "--" will be displayed in the channel of the weather station

▶ When the wireless remote sensor has no channel selection function, the sensor defaults to channel 1.

Maximum/Minimum Temperature/Relative Humidity:

▶ To toggle indoor/ remote maximum, minimum temperature and humidity data, press the "**MEM**" button:

    Once to show the maximum temperature and humidity values.

    Twice to sow the minimum temperature and humidity values

    Three times to return to the current temperature and humidity levels

▶ To reset the maximum and minimum temperature and humidity, press and hold down the "MEM" button about 2 seconds. This will reset all minimum and maximum data recorded to the current displayed values.

F.Y.I.:

▶ If the temperature reading is below ranges, the **LL.L** will be displayed. If the temperature reading is above ranges, the **HH.H** will be displayed.

Remote Temperature alert setting

▶ Press and hold down the " 🌡" button for 2 seconds until the icon for the Temperature "Alert" starts to flash

▶ The icon of Upper limit of the Temperature alarm starts to flash. Use the "▲" and "▼" buttons to set the required maximum temperature. Press " 🌡" to confirm your setting.

▶ The icon of the Lower limit of the Temperature alarm starts to flash. Use the "▲" and "▼" buttons to set the required minimum temperature. Press " 🌡" button to confirm your setting and to end the setting procedure

F.Y.I.:

▸ Before entering the setup, you must select the remote channel, different channels can set different temperature alarm range

Temperature and frost alert:

▸ Press " 🌡️" button to activate or deactivate the remote temperature alert, When the remote temperature alarm is activated, the temperature alarm icon is displayed in the remote sensor bar

▸ When the remote channel temperature value exceeds the set temperature range, will activate the alarm, the weather station will every minute continuous alarm 5 times, at the same time, temperature alarm in alarm icon " 🔔" flashes, If the alarm activates the temperature that is currently displayed on the channel, its temperature value and alarm upper limit icon " 🔺HI"or lower limit icon" 🔻LO" also flashes

▸ When the temperature of REMOTE SENSOR is −1°C to + 3°C or +30°F to + 37°F, the frost alarm will be activated,

symbol " ❄️ICE" flashing.

F.Y.I.:

▸ When the temperature is higher than the upper limit of the alarm temperature setting, the activation of the upper limit alarm, symbol " 🔺HI" flashing,

▸ When the temperature is lower than the lower limit of the alarm temperature, the lower limit alarm is activated, and the symbol " 🔻LO" flashes

Low battery:

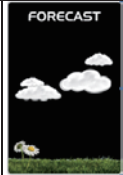If the battery symbol " 🔋" appears the batteries in the remote sensor should be replaced as soon as possible.
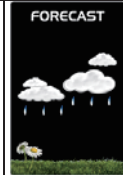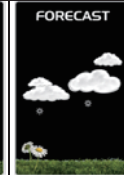
The weather forecast:

▸ The weather station calculates a weather forecast for about the next 12 hours based on the barometric pressure trend. Of course this forecast can't compare to that of professional weather services supported by satellites and high performance computers, but merely provides an approximate indication of current developments. Please take the weather forecast from your local weather forecasting service into account as well as the forecast from your weather station. If there are discrepancies between the information from your device and from the local weather forecasting service, please take the advice of the latter as authoritative.

▸ Press and hold the " ☀️" button for 2 seconds to enter the air pressure unit and

weather settings, the pressure units will be flashing display, Use the "▲" and "▼" button to set the pressure unit to display in the "hPa/mb" or "inHg".
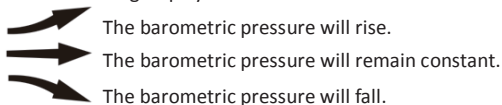
▶ Press the " ☀ " key to confirm the settings and switch to the weather, the weather graphics will be flashing display, Use the "▲" and "▼" button to set the current weather conditions, so that the weather forecast is more accurate.

▶ The weather station displays the following weather symbols:

sunny	slightly cloudy	cloudy	rainy	Heavy rainy	Snowy

▶ The weather station can display the barometric pressure trend.

▶ You may see the following displays:

 The barometric pressure will rise.

 The barometric pressure will remain constant.

 The barometric pressure will fall.

Also please note:

Outdoor sensor collect real-time data and weather station track specific weather-related variables, including changes in temperature, humidity, and barometric pressure to produce a forecast with a personalized accuracy for your pin point location (which may not be same as Sky or BBC news forecast or met office).

Weather icons flashing / blinking is fine, which mean weather station thinks, that weather will be between two icon or will or may change rapidly .

Accuracy of the Weather forecast icon is about 70% , its written in the user manual but as we are UK , weather changes here like no tomorrow.

this   is how it works , analyzing   air pressure   all the time , it will change in due course when weather station   data thinks   and value will go up or down   for your pin point   location (Automatically) , this cannot be changed manually . it will   settle down in due course . as and when   your weather station feel fit to do so ,

Background lighting:

▶ If the product is powered by batteries, touch the " ☼ / Z^Z" field. Backlight lit 15 seconds.

▶ When the power supply of the product is inserted into the power supply adapter, the battery will automatically disconnect the power supply, and the backlight will always be bright.

Press the " ☀ " button to adjust the brightness of the backlight, you can adjust the 5 state: 4 different brightness backlight and close the backlight. Users can choose according to the personal preferences of different brightness backlight or turn off the backlight. Turn off backlight when you can touch the " ☼ / Z^Z" field to light the backlight 15 seconds.

Battery replacement:

Use alkaline batteries only. Observe correct polarity, Low batteries should be changed soon to avoid the damage resulting from a leaking battery. Batteries contain harmful acids. Wear protective glasses and gloves when handling with leaked batteries. Please do not dispose of old electronic devices and empty batteries in household waste. To protect the Environment, take them to your retail store or to appropriate collection sites according to national or local recycling centre.

Troubleshooting:

The weather station obtains the accurate time with wireless technology. As with all wireless devices, the reception can be affected by the following circumstances:
• Long transmitting distance
• Nearby mountains and valleys
• Amidst tall buildings
• Near freeway, railway, airports, high voltage cable etc.

- Near construction site
- Inside concrete buildings
- Near electrical appliances (computers, TVs, etc.)
- Inside moving vehicles
- Near metallic structures

Place the station at a location with optimal signal, i.e. close to a window and away from metal surfaces or electrical appliances. Keep in mind that the outdoor transmitter only has the optimal transmission range in open area with no obstructions. Each obstruction between the transmitter and the station (roofs, walls, floors, ceilings, densely wooded areas, etc.) will effectively cut the transmission range in half. Protection and care of this item

- Do not expose the unit to extreme temperature, water or direct sunlight.
- Avoid contact with any corrosive materials.
- Do not subject the unit to excessive force, dust or humidity.
- Do not open the inner back case or tamper with any components of this unit.

Declaration of Conformity:

Youshiko Ltd hereby declares that the product fully complied to applicable guidelines and corresponding standards   and requirements of UKCA and other relevant provisions of Directive 1999/5/EC.

LIABILITY DISCLAIMER

- Electrical and electronic waste contains hazardous substances. Disposal of electronic waste in open countryside and/or in other unauthorized places greatly damages the environment.
- Please contact your local and/or regional authorities to find the addresses of legal dumping grounds with appropriate facilities.
- All electronic instruments must now be recycled. Users shall take an active part in the re-use, recycling and recovery of electrical and electronic waste.
- The unrestricted disposal of electronic waste may do harm to public health and the quality of environment.
- Reading the "User Manual" is highly recommended for the benefit of the user. This product must not be disposed of in general rubbish collection facilities.
- The manufacturer or supplier cannot accept any responsibility for any incorrect readings and any consequences that occur should an inaccurate reading take

place.

• This product is designed for use in the home only as indication of the temperature I humidity etc.

• This product is not to be used for medical purposes or for public information.

• The specifications of this product may change without prior notice.

• This product is not a toy, keep out of the reach of children.

• No part of this manual may be reproduced without written authorization of the manufacturer.

Supplied in Box:

1 x Youshiko YC9444 Weather station main Unit

3 x outdoor transmitter (Model: YC9312)

1 x Instruction manual

1 x Power supply (Batteries are not included)

All enquiries: service@youshiko.co.uk