

Youshiko

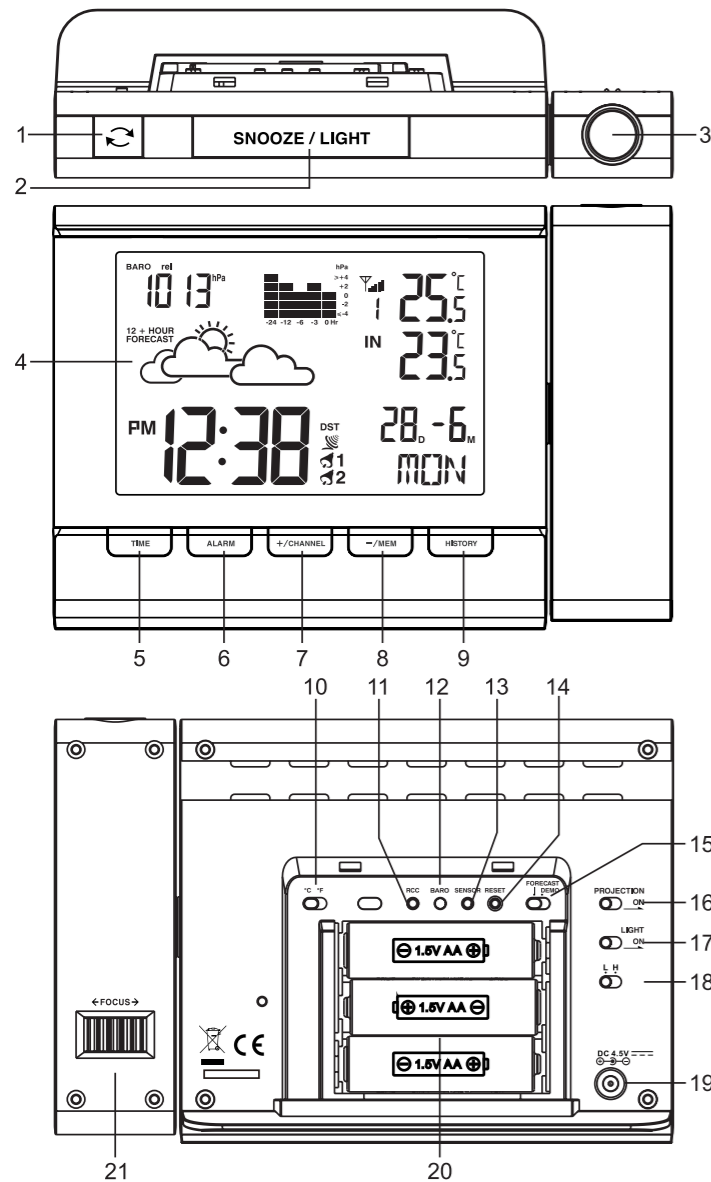
RC PROJECTION CLOCK AND WEATHER STATION
WITH COLOUR CHANGING DISPLAY
Model: YC9370

USER MANUAL

Thank you for purchasing this delicate color changing projection clock. Utmost care has gone into the design and manufacture of the product. Please read the manual carefully and keep it well for future reference.

PRODUCT OVERVIEW

Main Unit

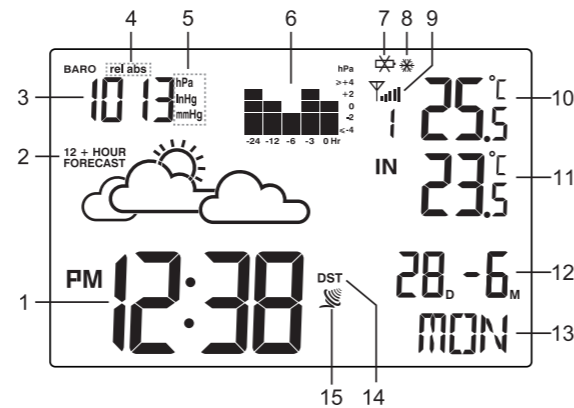


1. [REVERSE] button
2. [SNOOZE / LIGHT] button
3. Projector
4. LCD
5. [TIME] button
6. [ALARM] button
7. [+/CHANNEL] button
8. [-/MEM] button

9. [HISTORY] button
10. [°C / °F] slide switch
11. [RCC] button
12. [BARO] button
13. [SENSOR] button
14. [RESET] button
15. [FORECAST/DEMO] slide switch
16. [PROJECTION ON/OFF] slide switch
17. [LIGHT ON/OFF] slide switch
18. [L / H] slide switch
19. DC jack
20. Battery compartment
21. FOCUS knob

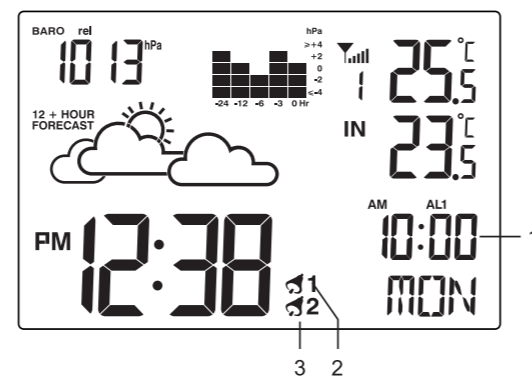
Function Modes

Normal time mode



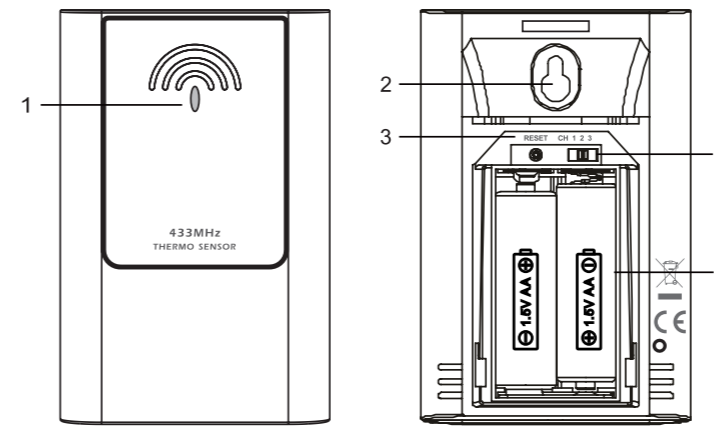
1. Time
2. 12+Hour forecast
3. Barometer reading
4. rel/abs indicator
5. Baro unit (hPa/inHg/mmHg)
6. Histogram of Baro
7. Low battery indicator for sensor
8. Ice alert
9. Sensor signal indicator
10. Outdoor temperature
11. Indoor temperature
12. Date-Month
13. Day of the week
14. Daylight saving time
15. RC signal indicator

Alarm time mode



1. Time of alarm 1
2. Alarm 1 on
3. Alarm 2 on

Outdoor Sensor



1. Red LED indicator
2. Wall Mount Hole
3. [RESET] button
4. [CH 1/2/3] Slide Switch
5. Battery compartment

GETTING STARTED

1. Remove battery door of main unit and sensor.
2. Insert 3 new AA size batteries to the main unit, and 2 new AA size to the sensor, matching the polarities "+ / -". Replace the battery door.
3. For the main unit, user can plug the DC adaptor to power it.
4. The main unit will automatically receive 433 MHz signal in 8 seconds. And after 5-minute sensor signal test, it will turn to RC signal reception.

NOTE:

Powered by batteries, display of main unit without backlight is quite dark, and its backlight lasts for 5 seconds. But powering by DC adaptor enables long lasting backlight for easy viewing.

HOW TO PAIR MAIN UNIT AND SENSOR

1. Press [+ / CHANNEL] button on main unit to select a channel.
2. On sensor, slide channel switch to corresponding channel. (For additional sensors, select a different channel). Press [RESET] button.
3. Press [SENSOR] on main unit to initiate search for 433 MHz reception.

WIRELESS SENSOR RECEPTION

If the main unit receives wireless sensor signal successfully, the signal icon "📶" displays. While if it cannot receive sensor signal or signal is lost, icon "📶" displays.

MSF SIGNAL RECEPTION (AUTOMATICALLY TIME SET)

- The MSF signal is a signal broadcast within 1500 km (932 miles) of Anthorn, England. This RC clock includes a built-in receiver which picks up the signal from the MSF station. Therefore, the clock automatically sets the time, date and weekday.
- The clock automatically carries out four periodic synchronization procedures (at 2:00 AM, 8:00AM, 2:00 PM and 8:00 PM daily) with the MSF signal to correct any deviations to the exact time.
- Once the unit synchronizes successfully to the MSF signal, the signal icon "📶" will show up. Each synchronization process will take between 6 to 16 minutes. When the reception stops, signal icon displays as "📶".

- To manually start or stop the MSF signal reception, press [RCC] button.

NOTE:

1. The strength of radio-controlled time signal from the transmitter tower may be affected by geographical location or building around.
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 plates.
4. Closed areas such as airport, basement, tower block, or factory are not recommended.

SIGNAL STRENGTH INDICATOR

When the wave segment is flashing this means time the signals are being received.

The signal icon could be classified into 3 types:

- 📶 No signal / Reception stopped
- 📶 Signal is being received
- 📶 Signal received successfully

Disable / Enable RCC Signal Reception

1. Press and hold [RCC] button for 8 seconds to disable the reception.
2. Press and hold [RCC] button for 8 seconds to enable automatic RCC reception.



TO MANUALLY SET THE TIME AND CALENDAR

To manually set the time and calendar, first press and hold [RCC] button for 8 seconds to disable RCC reception.

1. In normal time mode, press and hold [TIME] button for 2 seconds, "12 H" or "24 H" digit flashes.
2. Press [+ / CHANNEL] / [- / MEM] button to set 12/24 hour format.
3. Press [TIME] button again to proceed to hour setting. Press [+ / CHANNEL] / [- / MEM] button to set the value.
4. Repeat 3 to complete setting in this sequence: 12/24 Hour format > Hour > Minute > Year > M&D/D&M > Month > Date > Zone (+/-23 Hour offset) > Language
5. Press [TIME] button to confirm and exit setting.

NOTE:

1. The range of Zone is between -23 and +23 hours.
2. The language options are GB(English), FR(French), DE(German), ES(Spanish) and IT(Italian).
3. DST (Daylight Saving Time) feature is set to Auto (factory set). The clock has been programmed to automatically switch when the daylight saving time is in effect.



TO SET ALARM

1. In normal time mode, press [TIME] button to select Alarm 1 or Alarm 2 mode.
2. In alarm 1 or alarm 2 mode, press and hold [ALARM] button for 2 seconds, hour digit flashes. Press [+ / CHANNEL] / [- / MEM] button to set hour.
3. Press [ALARM] button to proceed to minute setting, and press [+ / CHANNEL] / [- / MEM] button to set minute.

- Press [**ALARM**] button to confirm and exit setting. The dual alarm feature of this product is designed to provide more convenience; user can set two alarms if needed.

To Use Alarm and Snooze

How to turn on or turn off alarm:
Method 1:

In normal time mode, press [**TIME**] button to select alarm 1 or alarm 2 mode, and press [**ALARM**] button to turn on the alarm, alarm icon “1” or “2” displays. Press [**ALARM**] button again to turn off alarm.

Method 2:

In normal time mode, press [**ALARM**] button once to turn on alarm 1, press it the second time to turn on alarm 2, press it third time to turn on both Alarm 1 and Alarm 2, with alarm icons displayed on the LCD. Press it again to turn off both Alarm 1 and Alarm 2, alarm icons disappears.

If alarm is turned on, alarm beeps at the alarm time.

Alarm beeping can be stopped by:

- Auto stop if no button is pressed during alarm sound beeping. Alarm beeping lasts for 2 minutes.
- Press [**SNOOZE / LIGHT**] button to stop the current alarm and enter snooze. The alarm will sound again in 5 minutes. Snooze can be operated continuously.
- Press [**ALARM**] button to turn off alarm function.

TEMPERATURE

To Select Temperature Unit

Slide [°C / °F] switch to <°C> or <°F> position.

To Read Outdoor Temperature

The default displayed channel is channel 1.

- In normal time mode, press [+ / **CHANNEL**] button repeatedly to view readings of channel 1, 2 and 3.
- Press and hold [+ / **CHANNEL**] button for 2 seconds to enter channel auto-change, and channels change automatically in every 4 seconds.
- Press [+ / **CHANNEL**] again to return to normal time mode.

NOTE:

- Once the channel is assigned to one sensor, you can only change it by removing the batteries or resetting the unit.
- If no signals are received or the transmission is interfered, “---” will appear on the LCD.
- Relocate the main unit and sensor in other positions and make sure the transmission is within the effective range of 50 meters approx.
- After several trials in vain, please reset the main unit thoroughly. Try out where your multifunctional main unit receives the signals best.

SETTING BARO DISPLAY

- In normal time mode, press [**BARO**] button to change barometric unit (hPa / inHg / mmHg).
- Press and hold [**BARO**] button for 2 seconds to enter barometric unit setting mode, press [+/**CHANNEL**] button and [-/**MEM**] button to switch between relative and absolute mode.
- In rel mode, press [+] / [-] button to set the value.
- Press [**BARO**] button to save and exit setting.

NOTE:

Pressure unit can only be set in relative mode.

VIEWING MAXIMUM AND MINIMUM RECORDS

- Press [- /**MEM**] button to review temperature and barometric records, with the time and date of the record, the sequences: Outdoor Maximum Temperature > Outdoor Minimum Temperature > Indoor Maximum Temperature > Indoor Minimum Temperature > Maximum Baro Reading > Minimum Baro Reading.
- While reviewing the record of outdoor/indoor/baro, press and hold [- /**MEM**] button for 3 seconds to clear the current display record individually.

NOTE:

Record value will be updated by new higher or low record.





VIEWING RECORDS IN PAST 24 HOURS

- In normal time mode, press [**HISTORY**] button to show past 24 hour indoor / outdoor / barometric record and their timestamp.
- If no button is pressed in 5 seconds, the screen goes back to normal time mode.

WEATHER FORECAST

This main unit contains built-in sensitive pressure sensor to predict weather forecast in next 12 to 24 hours. It has 2 different color models of LCD backlight, user can use [**FORECAST/DEMO**] slide switch to select:

- WEATHER FORECAST:** The color changes according to different weather forecast.
- DEMO:** The color gradually changes between the colors (demo mode).

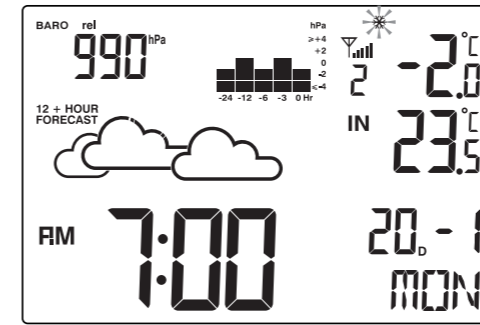
ICON	BACKLIGHT COLOR	DESCRIPTION
	Red	Sunny
	Orange	Partly Cloudy
	Green	Cloudy
	Blue	Rainy

NOTE:

- To access to the above color modes, RC reception must stop. If the main unit is in RC reception period, the backlight color will be GREEN no matter what weather forecast is displaying.
- The accuracy of a general pressure-based weather forecast is about 70% to 75%.
- The weather forecast is meant for the next 12 ~ 24 hours, it may not necessarily reflect the current situation.







ICE ALERT

When the outdoor temperature falls between -2°C to 3°C (28°F to 37°F), the ice alert icon will display on the LCD and flash continuously, and disappear once the temperature is out of this range.



PROJECTION IMAGE

Press [**SNOOZE/LIGHT**] button to turn on projection and project the light beam to a dark background with 1-4 meters.

Projected image	Time	Indoor temp	Outdoor temp
Normal	 P 12:38	 23.5°C	 25.5°C
Reversed	 08:21	 0.5E2	 0.552

Section A: When the main unit is powered by battery:

- Press [**SNOOZE/LIGHT**] button to turn on the projector and backlight for 5 seconds.
- Or press and hold [**SNOOZE/LIGHT**] button for 4 seconds to turn on the projection for 30 minutes. During the projection, press [**SNOOZE/LIGHT**] button can turn off the projection.

Section B: When the main unit is powered by DC adaptor:

- Slide the [**PROJECTION ON/OFF**] switch to <ON> position, the projection will be on all the time. Slide it to <OFF> position; operation in section A applies to it now.
- Slide the [**LIGHT ON/OFF**] switch to <ON> position, the backlight will be on all the time. Slide it to <OFF> position; operation in section A applies to it now.

NOTE:

- During the projection, press [**REVERSE**] button to inverse the projected data, and make sure press it only after pressing [**SNOOZE/LIGHT**] button.
- Rotate angle of the projector is 180°.
- Adjust the quality of the projected data by adjusting the FOCUS knob.


SET BACKLIGHT

In any mode, press [**SNOOZE/LIGHT**] button to turn on backlight. Slide [**H/L**] switch to select brightness of backlight.

HOW TO PLACE MAIN UNIT AND SENSOR

For main unit, it is designed to place on flat surface directly. Please install wireless sensor outside, where direct sunshine and very heavy rain can be avoided for accurate readings.

BATTERY REPLACEMENT

When segments of the LCD becomes dim, replace with 3 new AA size batteries at once; while if the low battery indicator “” displays, the sensor needs changing new batteries.

SPECIFICATIONS

Main Unit

Displayed range	-40.0~70.0°C (-40.0~158.0°F)
Operating range	0.0~45.0°C (32.0~113.0°F)
Temperature resolution	0.1°C / °F
Barometer resolution	1hPa / 0.01inHg / 0.1mmHg
Radio-controlled signal	UK (MSF)
No. of remote sensor	Up to 3 units
Hi display	Indoor temperature >70°C
Lo display	Indoor temperature <-40°C
Dimension	158(W) x 108(H) x 43(D) mm
Power	4.5V, use 3xAA 1.5V battery DC 4.5V, 200mA adaptor

Remote Sensor

Displayed range	-40.0~70.0°C (-40.0~158.0°F)
Operating range	-20.0~60.0°C (-4.0~140.0°F)
Temperature resolution	0.1°C / °F
TR transmission frequency	433MHz
TR transmission range	Maximum 50 meters
Dimension	65(W) x 100(H) x 35(D) mm
Power	3V, use 2xAA 1.5V battery

All enquiries: service@youshiko.co.uk
Made for Youshiko UK in PRC

