Raddy WF-55C
WEATHER STATION
and USER MANUAL

Please read the instruction before using the product and keep it for future reference.
Any questions, please feel free to contact support@radioddity.com or visit www.radioddity.com

READ BEFORE USE

- Do not clean any part of the product with benzene, thinner or other solvent chemicals. If necessary, clean it with a soft cloth.
- Do not dismantle or modify the product in any way.
- Do not immerse the product in water, It will damage the product.
- Do not subject the product to extreme force, shock, or fluctuations in temperature or humidity.
- Do not tamper with the internal components.
- Do not use new and used batteries.
- Do not use different types of batteries alkaline, standard or rechargeable batteries with this product.
- Remove the batteries if storing this product for a long period of time, otherwise the battery might damage the product.
- Do not dispose of this product as unsorted municipal waste, it's necessary to separately collect it for special treatment.
- Do not place the base station in rain or moisture.
- The transmit range depends on the type of obstacles located between the transmitter and the receiver (e.g. a concrete wall will interfere with the signal much more than a plasterboard wall).
- Be sure the sensor is mounted vertically, to allow moisture to drain out properly. Place out of direct sunlight & ensure the sensor is well -ventilated.

IMPORTANT PLACEMENT GUIDELINES

1. The distance between base station and sensors should be at least 5 ~ 6.5 feet (1.5~2 meters) away from any interfering sources such as computer monitors or TV sets.
2. The base station stay away from the metal window frames.
3. Please do not use other electrical products such as headphones or microphone operating on the same signal frequency. (433.92MHz), neighbors using electrical devices operating on the same signal frequency can also cause interference.
4. Place the base station in a dry area, free of dirt and dust. To ensure accurate temperature measurement, place out of direct sunlight and away from heat sources or vents.
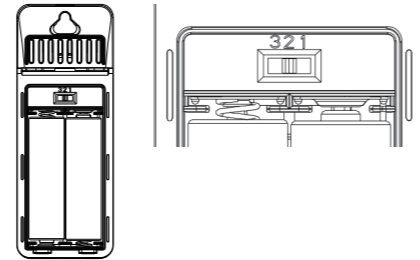
PACKAGE CONTENTS

1 x Weather Station
1 x Remote Sensor
1 x User Manual
1 x DC Adapter
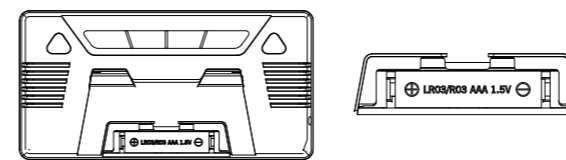*Alkaline batteries are not included

INSTALLATION
SENSOR SET UP

Base station supports up to 3 sensors connection, the sensor switch is located inside the battery compartment, it can be switched 1,2,3, matching the info of Channel 1, Channel 2, Channel 3 that synchronize on the OUTDOOR Dashboard, install 2 alkaline AA batteries to activate the sensor.
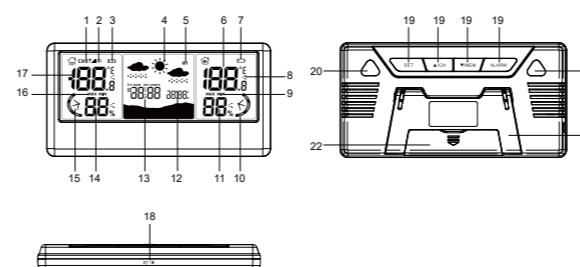
BASE STATION SET UP

Remove the protective film that is applied to the LCD screen prior to using the product.
Plugged in with power adapter and use, battery-power is optional, since previous setting will be reset when plugged out, we recommend install the batteries for the base station.
Base station can stand upright on the table or mount on the wall.
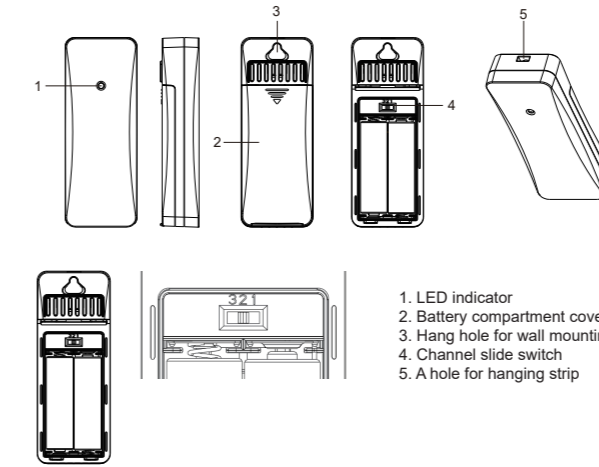
CONNECT THE SENSOR & BASE STATION

1. Install the batteries for the remote sensor, and slide the channel number.
2. Plug the power adapter into the base station, then it will start to receive the sensor signal within 3 minutes.
3. If the red indicator of the sensor flash twice, and you see the detected data displayed located on the left of screen , it means the sensor is connected with the base station.
4. When the red indicator of sensor flash for once per minute, it indicates that it is updating the sensor data to base station.
Example, when you slide to channel 1 for your sensor, you can see the data shown the data on the CH1 dashboard.

OVERVIEW

REMOTE SENSOR

1. Channel
2. 3 outdoor channels display in loop
3. Low battery indicator (Sensor)
4. Weather forecast
5. FREEZE WARNING
6. Indoor temperature
7. Low battery Indicator (base station)
8. Trends for indoors temperature and humidity
9. Max/Min record for indoor temperature and humidity in 24hours
10. Comfort dashboard for indoor
11. Indoor humidity
12. Calendar
13. Time
14. Outdoor humidity
15. Comfort dashboard for outdoor
16. Max/Min record for outdoor temperature and humidity in 24hours
17. Outdoor Temperature
18. Touch button - SNOOZE/LIGHT (☼/zᶻ)
19. Set = function setting button ▲/CH = up or channel switch，▼/MEM = down or MAX/MIN records checking，ALARM = Alarm clock setting)
20. Hang Holes for wall mounting
21. Table stand
22. Battery compartment cover

1. LED indicator
2. Battery compartment cover
3. Hang hole for wall mounting
4. Channel slide switch
5. A hole for hanging strip

FEATURES

1. Time and Calendar (Day/Month)
2. 12/24 hours format switchable
3. Alarm with snooze function
4. Weather forecast with 5 variables: sunny, partly cloudy, cloudy, rainy, and snowy
5. Indoor temperature and humidity
6. Outdoor temperature and humidity
7. Support up to 3 sensors (1 included)
8. Automatically loop temperature and humidity of 3 outdoor sensors
9. Max/ Min memory records for all indoor/outdoor temperature and humidity
10. Trend index
11. C/F(Celsius/Fahrenheit) switchable
12. Comfort dashboard
13. Low battery indicator
14. Key tone on/off
15. Transmission range: up to 100 meters/330 feet in open area
16. 3-mode brightness: Bright/Dim/Off
17. Support desk standing or wall hanging

CHANNEL SETTING

Press 【▲/CH】button to check the outdoor temperature and humidity of channel 1/2/3. When you switch to the ⌂ mode, the display will automatically loop 3 sensor' data.
If you want to reset all the data of sensors , press and hold 【▲/CH】button 3 seconds, and it will reconnect with the sensors.

FUNTIONS SETTING MODE

Press and hold 【SET】button, to enter the SETTING MODE, once in SETTING MODE the preference you are currently setting will blink on the middle of the display.
During setting, only the setting figure will display, other parts will be invisible.

To adjust the currently flashing item, press 【▲/CH】or 【▼/MEM】buttons (press and hold to fast adjust).
To save your adjustments, press and release the 【SET】button to adjust the next preference. (The setting will be automatically save and exit if there is no operation within 20 seconds.)
The preference set order is as follows:
KEY TONE ON/OFF
TIME FORMAT 12/24H
CLOCK HOUR
CLOCK MINUTE
CALENDAR YEAR
CALENDAR DATE FORMAT (MONTH-DAY or DAY-MONTH)
CALENDAR MONTH
CALENDAR DATE
C/F (CELSIUS/FAHRENHEIT)

TOUCH ADJUSTABLE BACKLIGHT

When the base station powered with batteries only, touch【SNOOZE/LIGHT zᶻ/☼】for 1 second at the top, momentarily light up the screen for 20 seconds.
When powered by adapter, touch【SNOOZE/LIGHT】to adjust the brightness BRIGHT-DIM-OFF.

ALARM CLOCK SETTING

Press 【ALARM】 button to turn ON/OFF the alarm. If the alarm is on, the alarm icon will located between hour and minute; If the alarm is off, the alarm icon will disappear. It will return to normal time display mode if no operation in 5 seconds.
Press and hold 【ALARM】 button to enter ALARM CLOCK MODE. Once in ALARM CLOCK MODE the preference you are currently setting will blink on the screen.
To adjust the currently flashing item, press 【▲/CH】or 【▼/MEM】buttons (press and hold to fast adjust).
To save your adjustments, press and release the 【ALARM】button to

adjust the next preference. (The setting will be automatically save and exit if there is no operation within 20 seconds.)

SNOOZE SETTING

The alarm sound will last for 2 minutes then be canceled automatically.
It will make sound as follow:
0-10 seconds: Beep per second
11-20 seconds: Beep x 2 per second
21-30 seconds: Beep x 4 per second
31-120 seconds: Keep BI sound
To snooze the alarm, press 【SNOOZE/LIGHT】button to enter into SNOOZE MODE for 5 minutes, the snooze icon zᶻ will display.
To stop the alarm, press any other button, but sounds again if the alarm condition reoccurs.
To deactivate the alarm, press 【ALARM】button to turn it off.

LOW BATTERY ALERT

1. When battery-powered base station is lower than 3.6V, or when the power for remote sensor is lower than 2.5V, the low battery indicator will display on the screen, it indicate that it's time to change the batteries.
2. When it is powered by DC adapter, the batteries could memory the time and date, even though the base station power off, the memorized setting would not be reset.
3. To avoid the power runs out, the batteries getting rotten and damage the units, please change batteries on time when low battery reminder show up.
4. Please use alkaline dry batteries, do not use rechargeable batteries.

MAX/MIN RECORD

Press 【▼/MEM】button to check the MAX/MIN temperature and humidity record for 3 channel sensor, the preference set order is as follows:
Maximum temperature & humidity
Minimum temperature & humidity

Current temperature & humidity
The records will be cleared automatically at 00:00 everyday,or manually cleared by press and hold 【▼/MEM】button.

WEATHER FORECAST

Press 【▼/MEM】button to check the MAX/MIN temperature and humidity record for 3 channel sensor, the preference set order is as follows:
Maximum temperature & humidity
Minimum temperature & humidity

WEATHER ICON	☀	🌤	☁	🌧	❄
Description	Sunny	Partly Cloudy	Cloudy	Rainy	Snowy

Weather forecast in 12+ Hour: Sunny, Partly Cloudy, Cloudy, Rainy , Snowy
The weather forecast is based on collecting hourly temperature & humidity from the outdoor sensor . The forecast station predict weather conditions for the next 12 hours with 70-75% accuracy.

The default weather icon is partly cloudy, the base station will calibrate the weather report in 1-2 weeks with the outdoor temperature and humidity data .

The remote sensor should be place outside to get accurate outdoor data or it will effect the accurate of weather forecast.

COMFORT INDEX

Comfort Index	Humidity Range
Dry	1-40%
Good	41-75%
Wet	≧ 76%

WEATHER FORECAST

When the temperature drop down to 0~2.9℃ , the snow icon❄will flash; when temperature value is lower than 0℃ , the snow icon❄ will keep display at the top of weather forecast.

TRENDS

The trend icon ➚ will display when the temperature increase 1℃ compared to last data, or increase 1 ℃ in 1 hour;
The trend icon ➚ will display when the humidity value increase 3% compared to last data, or increase 3% in 1 hour.
Vice the verse for decrease trends.
When the increase/decrease is less then 1℃ or 3% in 1 hour, the trend icon will not display.

TROUBLE SHOOTING

Problem	Solution
--.- (No data shown on outdoor dashboard)	1.Make sure the base station is powered on 2.Make sure the sensor installed the batteries 3.If there is no sensor signal received in 3 minutes, the base station will stop receiving the signal. Press and hold 【▲/CH】button for 2 seconds to re-synchronize the sensor. 4.Try to turn off/remove away from other existing wireless equipment. 5.Replace new batteries.
Uninstall the sensor or switch the channel number on the sensor, there is no change.	When you uninstall the sensor or switch to the other channel, the signal of previous sensor will become weaker but won't disappear immediately, it will clear the data and display "--.-" or re-synchronize the new sensor data next hour until the signal gone

SPECIFICATION

UNIT	TEMPERATURE RANGE	HUMIDITY RANGE
BASE STATION	-9.9℃~50℃(14℉~122℉)	1%RH~99%RH
REMOTE SENSORS	-40℃~60℃(-40℉~140℉)	1%RH~99%RH
OUT OF RANGE	● Show HH.H when base station >50℃ (122℉),or remote sensors >60℃ (140℉) ● Show LL.L when base station <-9.9℃ (14℉) or remote sensors < -40℃/ (-40℉)	● Show HH >99%RH ● Show LL<1%RH

BASIC SPECS	
Sensor Transmission Frequency	433.92MHz
Base Station Power	3 x 1.5V type AAA alkaline batteries & 5V 1.2A DC Adapter (Included)
Signal Transmission Distance	300ft (100m) in open area
Waterproof Rating	IP54
Sensor Hanging Hole	Compatible with <0.3cm diameter screw