



RADDY WF-60C Weather Station with 3 Remote Sensors User Manual

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RADDY WF-60C Weather Station with 3 Remote Sensors



Please read the instruction before using the product and keep it for future reference. Any questions, please feel free to contact support@iraddy.com or visit <https://iraddy.com/>

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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.
- Never immerse the product in water, It will damage the product.
- 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.

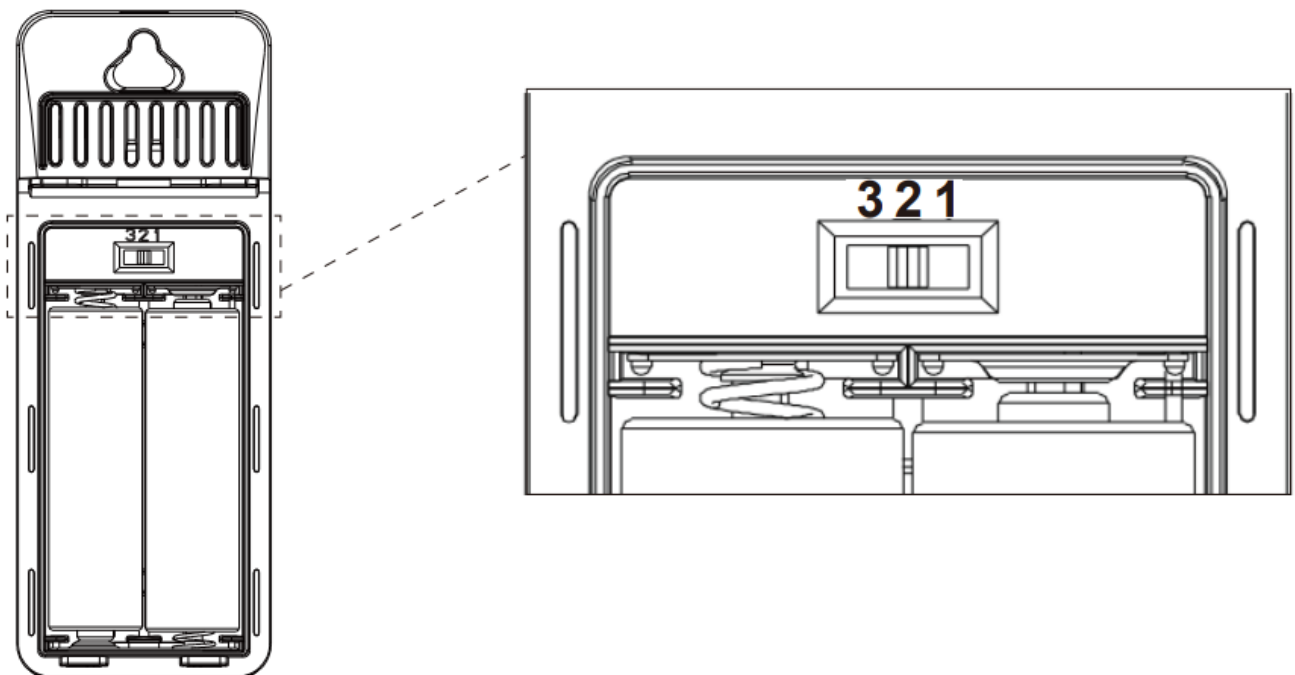
PACKAGE CONTENTS

- 1 x Weather Station
- 3 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 between 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.

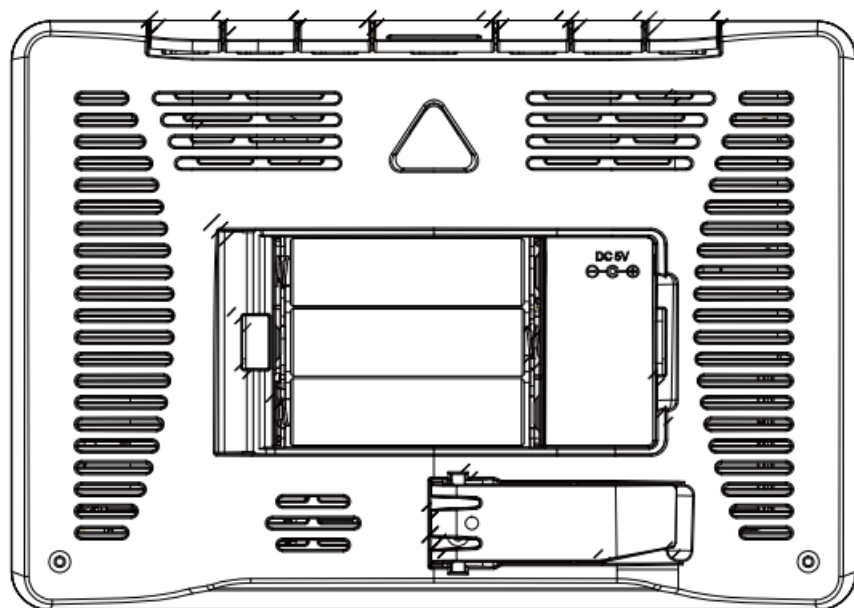


BASE STATION SET UP

1. Remove the protective film that is applied to the LCD screen before using the product.
2. Plugged in with power adapter and the base station will start to work.

Battery power is optional but it helps keep the settings when plugged out. Since previous settings will be reset when plugged out, we recommend installing the batteries for the base station.

3. Base station can stand upright on the table or mount on the wall.

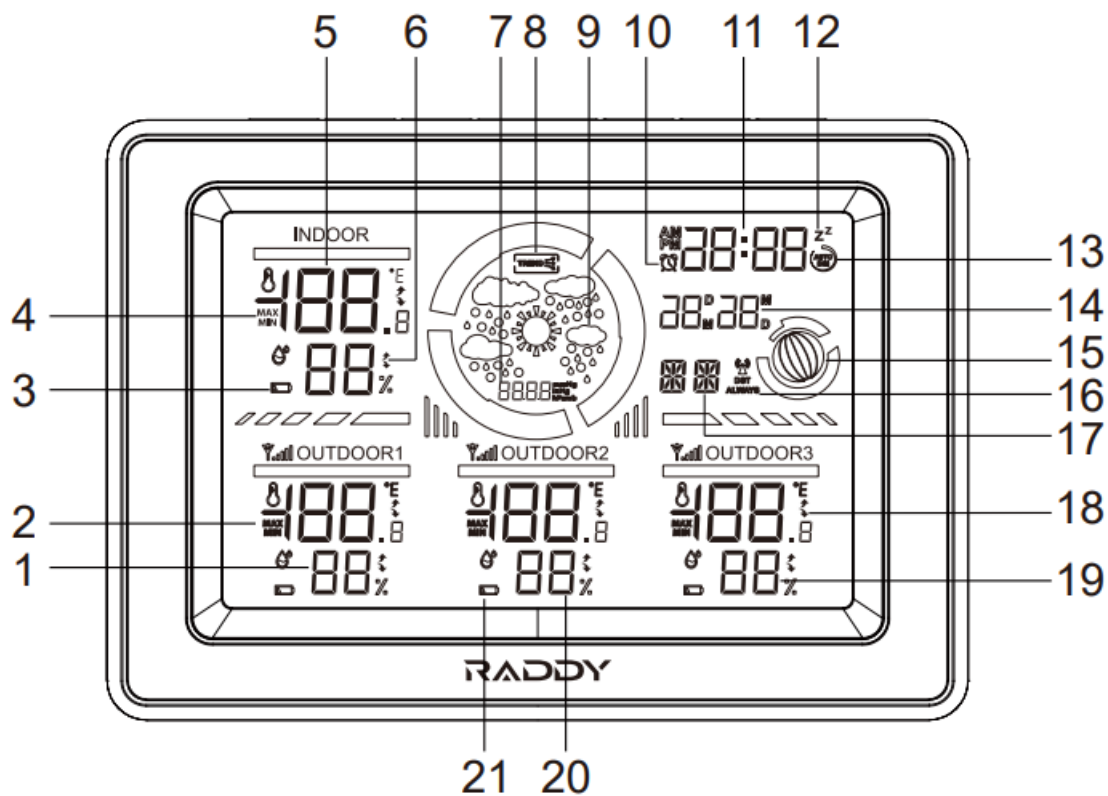


INITIALIZATION

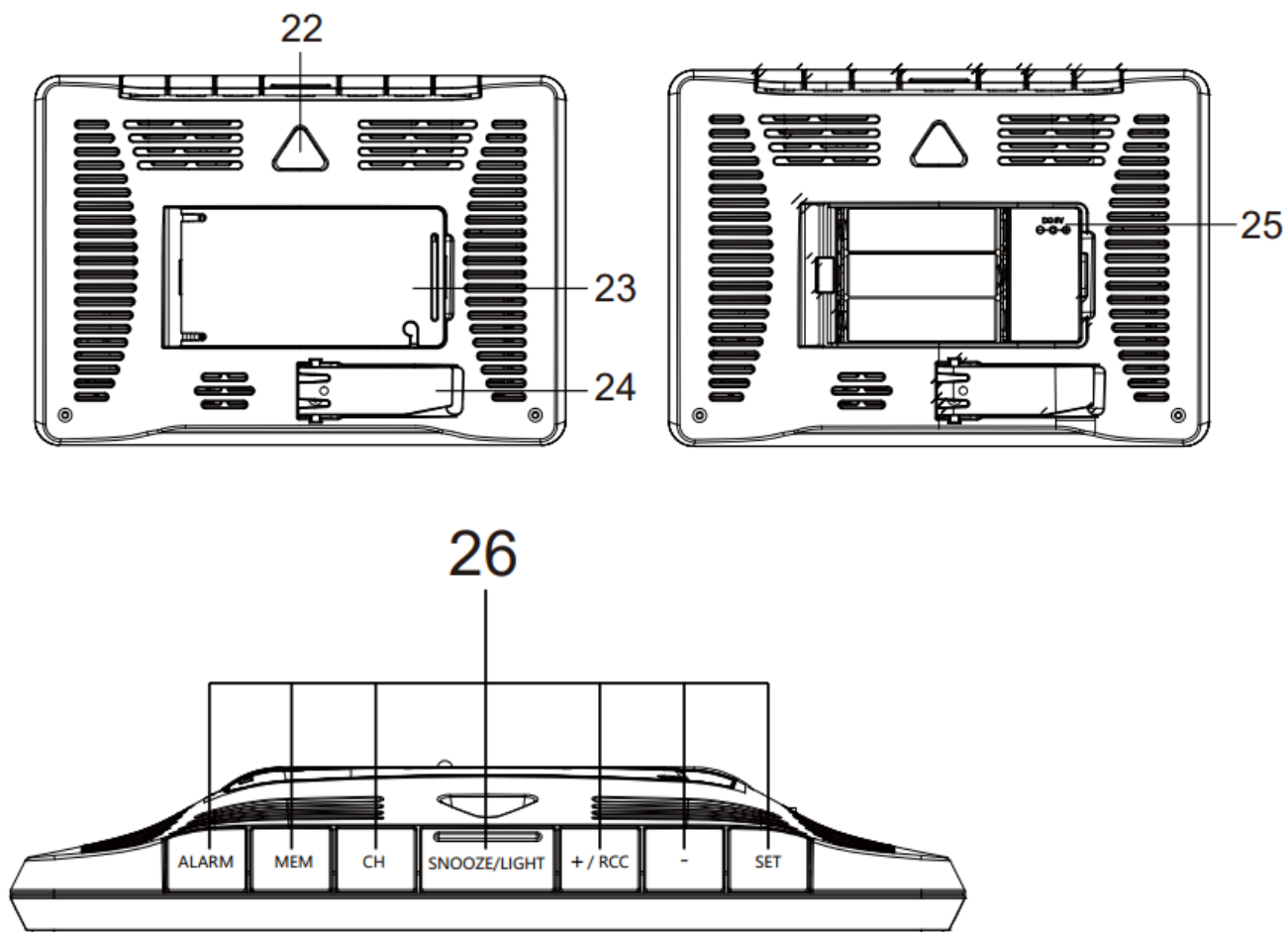
1. Open the battery compartment cover at the back of the base station, insert 3 x AA batteries or plug in the power adapter to power up the base station.
2. After power-on, all icons on the LCD will light up in 3 seconds, and you will hear a beep tone. At the mean time it will start to detect the indoor temperature and humidity.
3. Then it will start to detect the air pressure for 10 seconds, and the pressure reading will keep flashing during this process.
4. Next, it will start to make connections to the remote sensors. Now open the remote sensor battery compartment, set channels of the 3 remote 03 sensors to 1, 2, 3 and install the batteries respectively. The base station will detect the RF signals from the remote sensors for a maximum of 3 minutes, and the signal icons on the outdoor channel dashboard will keep flashing during detection until it connects with the sensor.
5. Finally, it will enter the RCC (Radio Control Clock) reception mode for 7 minutes. Once the signal is received, the LCD will display the received time/month/date/weekday.

OVERVIEW

MAIN UNIT

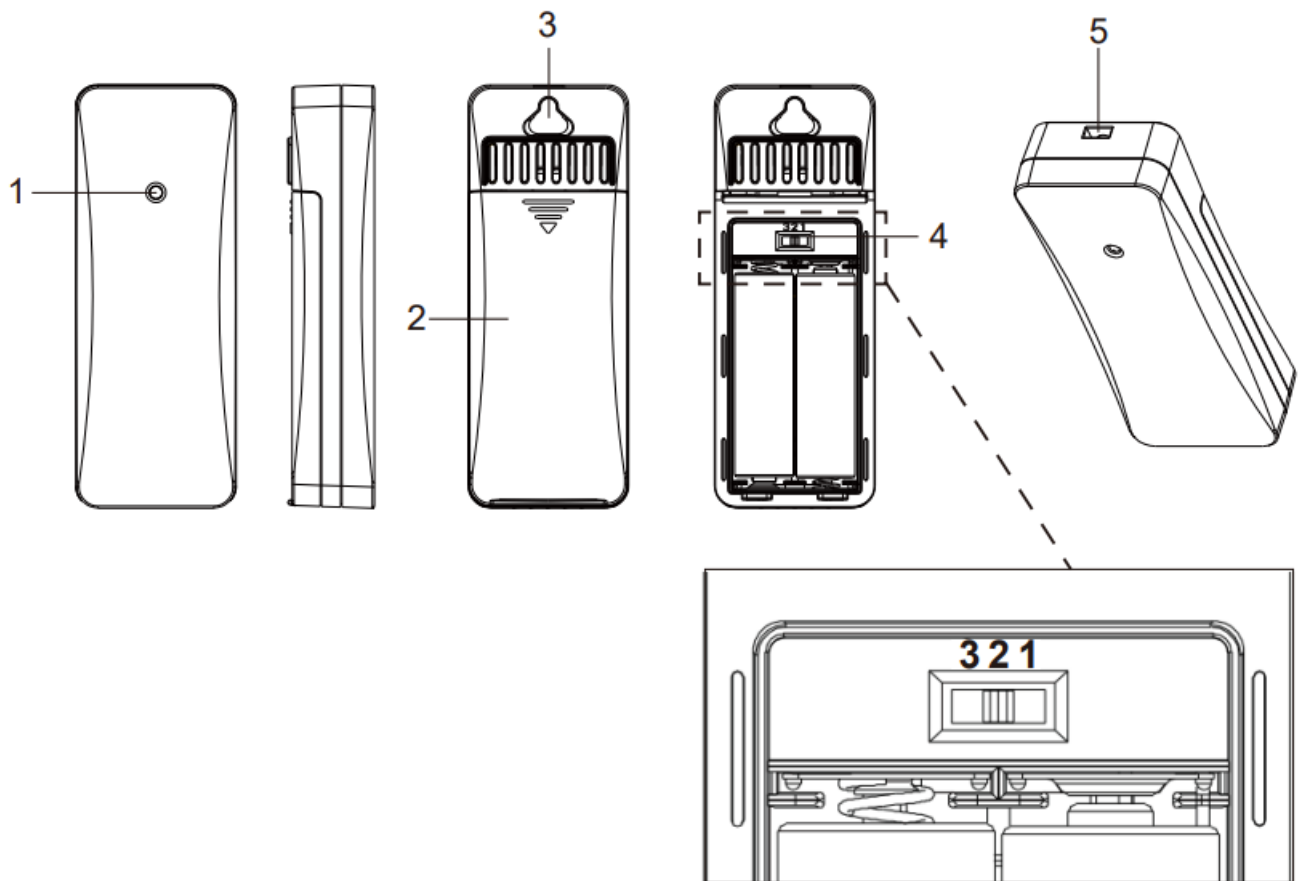


1. Temperature and Humidity of Channel 1
2. Max/Min Record of Outdoor Channels
3. Low Battery Indicator for Base Unit
4. Max/Min Record of Base Unit
5. Indoor Temperature and Humidity
6. Trends Indicator for Indoor Temperature and Humidity
7. Barometer Air Pressure
8. Barometer Air Pressure Trends
9. Weather Forecast
10. Alarm Icon
11. Time in 12/24 Hours Format
12. Snooze Icon
13. Auto Dim
14. Calendar in Date And Month
15. Moon Phase
16. Rcc Icon and Dst
17. Weekday
18. Trends Indicator for 3 Channels' Temperature and Humidity
19. Temperature and Humidity of Channel 3
20. Temperature and Humidity of Channel 2
21. Low Battery Indicator for 3 Sensors



- 22. Hanging Hole
- 23. Battery Compartment Cover
- 24. Stand Bracket
- 25. DC Jack
- 26. 7 Buttons: ALARM, MEM, CH, SNOOZE/LIGHT, +/RCC, -, SET

REMOTE SENSOR



1. LED Indicator
2. Battery Compartment Cover
3. Hang Hole for Wall Mounting
4. Channel Switch
5. Hole for Hanging Strip

FEATURES

- Time and Calendar (Day/Month)
- 12/24 hours format switchable
- Alarm with snooze function
- Weather forecast with 5 variables: sunny, partly cloudy, cloudy, rainy, and snowy

WEATHER ICON					
Description	Sunny	Partly Cloudy	Cloudy	Rainy	Snowy

- Indoor temperature and humidity
- Outdoor temperature and humidity
- Support up to 3 sensors
- Max/Min memory records for all indoor/outdoor temperature and humidity

- Trend index
- C/F(Celsius/Fahrenheit) switchable
- Comfort dashboard
- Low battery indicator
- Key tone on/off
- Transmission range: up to 100 meters/330 feet in open area
- 3-mode brightness: Bright/Dim/Off
- Support desk standing or wall hanging

BAROMETER CALIBRATION

1. After powering on, the pressure reading will be flashing for 10 seconds.
If there is no need for calibration, press SNOOZE/LIGHT button to exit setting. If calibration is required, you can press +/-RCC or - buttons to adjust data. Press and hold +/-RCC and - buttons will quickly change the value by 8 steps.
2. If no operation within 10 seconds, it will automatically save and exit setting.
3. Barometer range: 850-1050hPa/mb (600-832mmHg, 23.62-32.75inHg). Arrow indication for humidity changes:



will display when the reading increase by 2mb, within one hour or compared with last reading.



will display when the reading decrease by 2mb, within one hour or compared with last reading.



will display when the reading changes less than 2mb, within one hour or compared with last reading.

REMOTE SENSOR RECONNECTION

1. Press and hold the CH button to clear all sensors data and re-search for RF signal from the remote sensors again. While the unit is searching for signal, the signal icons on the outdoor channel dashboard will keep flashing.
2. If you want to change the channel of the remote sensor, remove the batteries from the sensor, toggle the channel selection on the sensor, install the batteries, and then repeat step 1 on the main unit.
Note: If the unit is in searching for RCC signal, long press the +/-RCC button to exit the RCC Receiving Mode first. Otherwise, the unit won't respond to the CH button.

RCC SIGNAL RECEPTION

Every day at 1:00 AM, 2:00 AM, 3:00 AM, 4:00 AM, and 5:00 AM, the clock will automatically carries out the synchronization procedure to correct any deviations to the exact time if the Daily RCC Reception is enabled. The signal searching lasts 7 minutes once a time. If the signal is received successfully once, the remaining RCC signals on that day will be ignored. If no signal is received in the scheduled time, the signal searching will be stopped for today.

1. Turn On/Off the Daily Auto RCC Reception:

- ① Press and hold the SET button to enter the Setting Mode, the language display flashes.
- ② Short press the SET button 6 times and use the +/-RCC or - button to select "ON"/"OFF" for the Daily RCC Reception.

③ Short press the SET button to save and go to the next item setting.

If you choose “OFF”, the unit will go to the Calendar Year Setting. If you choose “ON”, the unit will go to the RCC Time Zone Calibration.

④ Use the +/-RCC and - button to select the time zone deviation value. Then short press the SET button to save.

*The RCC (DCF) signal is transmitted from Germany. Germany is in UTC-1 Zone, countries that are in the same time zone as Germany (for example, France, Italy, Spain, Denmark, Netherlands), the time zone selection is 0.

Countries not in UTC-1 time zone need to add or subtract the time zones, for example, Portugal with UTC-0 time zone, the time zone selection is -1.

2. **Manual Receiving:**

① Press and hold the +/-RCC button to enter the Manual RCC Signal Receiving Mode. The RCC icon will flash and the unit will search for the RCC signal. (It won't search for signal automatically every day.)

② Once the signal is received, the LCD will update and display the received time/month/date/weekday. And the unit will display DST on the LCD. If no DST signal is received, DST icon will not display.

③ During the signal searching, press and hold the +/-RCC button again can exit the Manual RCC Signal Receiving Mode.

3. **CC Icon Display:**

① When searching for signal, RCC icon will be flashing.

② When signal is successfully received, LCD will display the complete RCC icon and exit RCC receiving.

③ If no signal is received, the RCC icon will disappear

SETTING MODE

1. Press and hold the SET button to enter the Setting Mode. Once in Setting Mode, the item you are currently setting will flash on the screen.
2. Press +/-RCC and - buttons to select for the currently flashing item. Press and hold the +/-RCC and - buttons will quickly change the number value by 8 steps.
3. Short press the SET button can save the setting and go to the next setting item. The setting will also be automatically saved and exit if there is no valid operation within 10 seconds.

The order of setting items is as follows:

1. LANGUAGE SELECTION
2. KEY TONE ON/OFF
3. AUTO DIM ON/OFF TIME SETTING
4. RCC ON/OFF
5. (RCC-ON → DST-TIME ZONE DEVIATION VALUE SELECTION)
6. CALENDAR YEAR
7. CALENDAR DATE FORMAT (MONTH-DAY or DAY-MONTH)
8. CALENDAR MONTH
9. CALENDAR DATE
10. TIME FORMAT 12/24H
11. CLOCK HOUR

12. CLOCK MINUTE
13. AIR PRESSURE UNIT SELECTION
14. WEATHER PATTERN

Languages Selection

Press and hold the SET button to enter the Setting Mode. Once in Setting Mode, the language display will flash and you can use the +/RCC and - buttons to select the language. Press the SET button to save.

Language selection order: GE→IT→SP→DA→DU→EN→FR

Languages	English	French	German	Italian	Spanish	Danish	Dutch
abbreviation	EN	FR	GE	IT	SP	DA	DU
Sunday	SU	DI	SO	DO	DO	SO	ZO
Monday	MO	LU	MO	LU	LU	MA	MA
Tuesday	TU	MA	DI	MA	MA	TI	DI
Wednesday	WE	ME	MI	ME	MI	ON	WO
Thursday	TH	JE	DO	GI	JU	TO	DO
Friday	FR	VE	FR	VE	VI	FR	VR
Saturday	SA	SA	SA	SA	SA	LO	ZA

KEY TONE

The key tone can be enabled/disabled in the setting.

1. Press and hold the SET button to enter the Setting Mode.
2. Short press the SET button again to go to the key tone setting. The option ON or OFF will flash.
3. Use the +/RCC and - buttons to select.
4. Press the SET button to save. The setting will also be automatically saved and exit if there is no valid operation within 10 seconds.

ADJUST BACKLIGHT

1. When Using Battery Power: Press SNOOZE/LIGHT for once the screen lights up for 20 seconds, and then goes back to Dim.
2. When Using A/C Power: Press SNOOZE/LIGHT to adjust the backlight brightness, BRIGHT-DIM-OFF. It defaults as Bright level.

AUTO DI

In Auto Dim Mode, the auto dim icon will show up and the backlight brightness will be adjusted to 3% automatically. Backlight brightness will be back to bright mode when out of auto dim period.

1. Set Time Period for Auto Dim Mode:

- ① Press and hold the SET button to enter Setting Mode, then short press the SET button twice, the auto dim icon will appear and the Hour starts to flash.
 - ② Use the +/-RCC and - buttons to set the correct hour for the start time. Press and hold the +/-RCC and - buttons will quickly change the value by 8 steps.
 - ③ Press the SET button to save your setting, the Minute starts to flash. Use the +/-RCC and - buttons to set the correct minute for the start time.
 - ④ Press the SET button to save your setting, the Hour starts to flash. Use the +/-RCC and - buttons to set the correct hour for the end time.
 - ⑤ Press the SET button to save your setting, the Minute starts to flash. Use the +/-RCC and - buttons to set the correct minute for the end time.
 - ⑦ Press the SET button again to save your setting and go to the next item setting, or you can leave it alone. The unit will save your setting in 10 seconds and exit the Setting Mode if there's no valid operation.
2. In Auto Dim Mode, short press the SNOOZE/LIGHT button, the backlight will light up for 10 seconds, and then back to dim.
3. Turn On/Off Auto Dim: During the set auto dim time period, press and hold the SNOOZE/LIGHT button to enable/disable the Auto Dim Mode. This operation will be saved and will take effect on the next following days until you turn it off/on next time during the set auto dim time period

ALARM CLOCK SETTING

1. Check the Set Alarm Time: In standard mode, short press the ALARM button to check the set alarm time. It will return to normal time display mode if no operation in 5 seconds.
2. Turn On/Off the Alarm Clock: In standard mode, short press the ALARM button and the LCD will display the set alarm time. If there's an alarm icon beside the alarm time, the alarm is on. If there's no alarm icon, the alarm is off. Press the ALARM button again can turn on/off the alarm. It will save your setting and return to normal time display mode if no operation in 5 seconds.

3. SNOOZE FUNCTION

- ① Press and hold the ALARM button to enter the Alarm Clock Setting Mode. The Hour starts to flash. Use the +/-RCC and - buttons to set the correct hour.
 - ② Short press the ALARM button, the Hour will be saved and the Minute starts to flash. Use the +/-RCC and - buttons to set the correct minute.
 - ③ Short press the ALARM button again, the alarm clock will be saved.
- *Press and hold +/-RCC and - buttons will quickly change the value by 8 steps.
- *If the alarm clock can't be set, check if the base station is in RCC Receiving Mode and exit back to standard mode by long pressing the +/-RCC button.

SNOOZE FUNCTION

1. When the alarm is ringing, press any button except the SNOOZE/ LIGHT button can stop the alarm for the day. And the alarm will restart the next day. The alarm sound will last for 2 minutes if no button is pressed.
2. When alarm is ringing, press the SNOOZE/ LIGHT button to activate the snooze mode. The alarm will ring again after 5 minutes, and the "ZZ" icon will be flashing on screen to indicate the snooze mode. The Snooze mode can be repeated if you press the SNOOZE/ LIGHT button again next time when the alarm rings.

3. The Alarm will make sound as follow:

0-10 seconds: Beep per second

11-20 seconds: Beep x2 per second

21-30 seconds: Beep x4 per second

31-120 seconds: Keep Beeping



MAX AND MIN RECORD

1. In standard mode, press the MEM button to check maximum temperature and humidity record, the value will display for 5 seconds.
2. Press the MEM button a second time to check the minimum temperature and humidity record, the value will display for 5 seconds.
3. Press the MEM button a third time will return to standard mode.
4. Press and hold the MEM button will clear the max and min record and reactivate the memory.
5. Normally, the Max and Min record will update every 24 hours at 00:00 AM.

LOW BATTERY INDICATORS

1. About Remote Sensor: When the battery indicator icon appears next to the outdoor temperature, replace the batteries for the corresponding remote sensor.
2. About Cell Battery in Main Unit: The cell battery is only for memorizing the setting during a sudden power outage. When battery indicator icon appears next to the indoor temperature, replace the batteries for the main unit.

TEMPERATURE

1. After power on, the indoor temperature will display automatically, it will update reading every 30 seconds and the base station will start to receive signals from the remote sensor which lasts for a maximum of 3 minutes.
2. Indoor temperature display range: -10°C~ 50.0°C (14°F~ 122°F)
For temperature lower than -10°C, the reading will be: "LL.L".
For temperature higher than 50.0°C, the reading will be: "HH.H".
3. Outdoor temperature display range :-40°C~ 60°C (-40°F~140°F)
For temperature lower than -40°C, the reading will be: "LL.L".
For temperature higher than 60°C, the reading will be: "HH.H".
4. Arrow indication for temperature changes:
 will display when the reading increase by 1°C (1.8°F) within one hour or compared with last reading.
 will display when the reading decrease by 1°C (1.8°F) within one hour or compared with last reading.
5. Accuracy: ±1°C (±2°F). Temperature resolution is 0.1°F(0.1°C).
6. In standard mode, press the SET button to select °C or °F units.

HUMIDITY

1. After power on ,the indoor humidity will display automatically, it will update the reading every 30 seconds and

the base station will start to receive signals from the remote sensor which lasts for a maximum of 3 minutes.

2. Humidity display range: 1%-99%.

For humidity lower than 1%, the reading will be "1%".

For humidity higher than 99%, the reading will be "99%".

3. Accuracy: when the temperature is between 68°F~78.8°F (20°C~26 °C) and the humidity is between 40-80%, the accuracy is ±5%. The accuracy will be ±8% if out of this range.

4. Arrow indication for humidity changes:



will display when the reading increase by 3% RH within one hour or compared with last reading.








will display when the reading decrease by 3% RH within one hour or compared with last reading.

5. Humidity resolution: 1%.

UNIT	TEMPERATURE RANGE	HUMIDITY RANGE
BASE STATION	-9.9°C 50°C(14°F 122°F)	1%RH 99%RH
REMOTE SENSORS	-40°C 60°C(-40°F 140°F)	1%RH 99%RH
OUT OF RANGE	Show HH.H > 50°C(122°F) for base station or > 60°C(140°F) for remote sensors Show HH.H < -9.9°C(14°F) for base station or < -40°C(-40°F) for remote sensors	Show HH > 99%RH Show LL < 1 %RH

WEATHER FORECAST

WEATHER ICON					
Description	Sunny	Partly Cloudy	Cloudy	Rainy	Snowy

The weather symbol will show after power on. There are 5 kinds of weather modes: Sunny, Partly Cloudy, Cloudy, Rainy, Snowy. The weather symbol displays are based on the hourly calculation of indoor/outdoor temperature & humidity and barometer data. The forecast is for the next 12 hours with 70%-75% accuracy.

Weather Forecast Calibration

- ① Press and hold the SET button to enter the Setting Mode, the language display starts to flash.
- ② Then press the SET button 16 times (15 times if the RCC is off) to enter the Weather Forecast Calibration Mode, the weather symbol begins to flash.
- ③ Use the +/-RCC and - to select the correct weather icon.
- ④ Press the SET button to save. The unit will also save your setting in 10 seconds and exit the Setting Mode if there's no valid operation.

Note: The Snowy symbol is not in the setting options. It will show up automatically when the remote sensor of channel #1 is placed outdoor and the data predicts that it will snow in the next 12 hours.

Place the main unit in a dry dust-free place. To ensure an accurate indoor temperature measurement, be sure to place the main unit away from heat sources or vents.

MOON PHASE

Moon Phase is changed according to Calendar automatically. There are 12 moon phases in loop.



PLACEMENT INSTRUCTION

Main Unit

Place the main unit in a dry dust-free place. To ensure an accurate indoor temperature measurement, be sure to place the main unit away from heat sources or vents

Outdoor Sensor

For a more accurate reading and weather forecast, please place the sensor at a proper place:

1. Avoid exposing to direct rain, sunlight or other heat/cold source.
2. Make sure there is enough air flow around the sensor to reflect the changes of environment (Well-ventilated).
3. Make sure there's not a thick wall or strong interference source using same signal frequency (433.92MHz) between the weather station and the sensor.
4. Place the sensor vertically at the height about 1.5m-3m / 4.9ft-9.8ft.
5. When the sensor is used for the first time or relocated, let it stand for around one hour or more before having accurate measuring of temperature and humidity.
6. You can place the sensor in multiple ways: hang from the back hole using a nail, place on a stable surface, or lift with a rope. No matter which way, make sure at least one side of the air vent (back or bottom) is not blocked.

IF YOU HAVE PROBLEMS, PLEASE TRY AS FOLLOWING

1. Turn off any other existing wireless equipment to check whether this is the cause of the problem.
2. Move any other existing wireless equipment. Shorten the distance between the sending and receiving devices and reduce the number of obstacles(walls, furniture,etc.) between them.
3. Try to remove and reassemble batteries, if the batteries are old, try new ones.
4. If the buttons are not function correctly, make sure the RCC Receiving Mode is turned off.

TIPS

1. The product must not be dismantled or modified in any way. The weather station must not be exposed to rain or moisture.
2. The product is not intended to be used as a reference thermometer and we will not be held liable for any

damage which may result from inaccurate readings.

3. The battery should be removed if the product is not to be used for an extended period, otherwise the battery might leak and damage the product. Never leave discharged batteries in the battery compartment.
4. Changing the battery on the weather station erases the saved min and max readings.
5. Do not expose the product to impacts.

SPECIFICATION

In Auto Dim Mode, the auto dim icon will show up and the backlight brightness will be adjusted to 3% automatically. Backlight brightness will be back to bright mode when out of auto dim period.

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



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RADDY

Documents / Resources

 <p>RADDY (WF-60C) WEATHER STATION USER MANUAL</p> <p><small>Please read this instruction before using the product and keep it for future reference. Any copyright, please feel free to contact us regarding the same or visit www.iraddy.com</small></p>	<p>RADDY WF-60C Weather Station with 3 Remote Sensors [pdf] User Manual WF-60C, WF-60C Weather Station with 3 Remote Sensors, Weather Station with 3 Remote Sensors, 3 Remote Sensors</p>
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References

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