ALongSong

WEATHER STATION

User Manual

Model: ASOD012

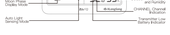
Package Contents

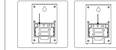
Installation Steps

Note: Batteries are not included in the package.
When installing the batteries, please make sure the length of the Type-C plug > 6.5mm, otherwise there is a risk of poor contact.

Product Interface Introduction

Transmitter





Button Function Introduction

1. SET Button

(1). Under normal mode, short press to switch 12H/24H time format.
(2). Under normal mode, long press to enter the time setting mode (RCC automatically receives the time signal at this time).
(3). Under ALARM time mode, short press SET to set ON/OFF of ALARM.

2. UP/MEM/RCC Button

(1). Under setting mode, short press to increase, long press to quickly increase.
(2). Under normal mode, short press to switch MAX Value, MIN Value and NORMAL Value of temperature and humidity to display.
(3). Under MAX/MIN display state, long press to clear the indoor/outdoor temperature and humidity memory.
(4). Under normal time display state, long press to force RCC receiving, long press again to exit RCC receiving.

3. DOWN/T-ALERT/°C/°F

(1). Under setting mode, short press to decrease, long press to quickly decrease.
(2). Under normal mode, short press to switch to display the temperature value set by the upper limit and lower limit of outdoor temperature.
(3). Under normal mode, long press to switch the outdoor temperature °C/°F display.

(4). When it's powered by batteries, touch the SNOOZE button and the backlight will be on for 10s.

When Powered by DC Power Supply
(1). Default backlight auto adjustment
(2). Long press the SNOOZE button to turn on/off the auto backlight adjustment (AUTO)

Mode Settings

1. Power-on Initial Value

(1). When AAA batteries are inserted or reset, the LCD screen is fully displayed and the backlight is always on. Then it enters the normal display, the backlight continues to be on for 5s, the clock directly runs from 00:00:00, and auto detect the temperature, humidity, and receive the RF signal.
(2). Enter the weather initialization setting state, press ▲ or ▼ to select the initial weather state, and press PRESS&HOLD to confirm and exit, if there isn't any operation for 30s, it will auto exit.
(3). Enter the outdoor temperature and humidity reception for 2mins, ⏳ flashes, and after the 2-minute auto reception, exit the RF reception.
(4). Enter the time reception mode, and the RCC will auto exit after receiving the signal. When there is no signal or no signal received, it will still auto log out after 15mins.
(5). Display normal mode.

2. Time Setting

(1). **Time Format Conversion**: Under normal mode, short press the SET button to switch between 12H/24H time format.
(2). Under normal mode, long press the SET button to enter the time setting adjust the Hour first, the corresponding Hour number flashes, short press ▲ or ▼ to increase/decrease, long press to quickly increase/decrease, press SET to confirm and enter.
(3). Short press the SET button again to adjust the Minute, the corresponding Minute number flashes, Press ▲ or ▼ to increase/decrease, long press to quickly increase/decrease, press SET button to confirm and exit, if there isn't any operation for 30s, it will auto exit the time setting and return to the normal display.
(4). Adjust the Year/Month/Day in turn using the same method the time is auto adjusted according to the date, and the adjustable year is 2000-2099.
(5). Short press the SET button again to confirm and exit.

(6). Under setting mode, if there isn't any operation for 30s, it will auto exit.

3. Setting Sequence

- DST (Daylight Saving) Setting Sequence
  Hour→Minute→Year→Month→Day→12/24hr→Language→Time Zone→Exit
- MSP (UK) Setting Sequence
  Hour→Minute→Year→Month→Day→12/24hr→Language→Exit
- Weather Forecast Display Setting Sequence
  Hour→Minute→Year→Month→Day→12/24hr→Language→Time Zone→DST ON/OFF→Exit

88. Week Display Language Setting Order: ENG-GER-FRE-ITA→SPA-DAN-SWE.

3. Alarm Time Setting

(1). Under normal mode, short press the ALARM button to switch between ALARM ON/OFF.
(2). When switch to ALARM 1 time, short press the SET button to turn ON/OFF the ALARM1 alarm function.
(3). When switch to ALARM 1 time, long press the ALARM button to set ALARM 1 time.
(4). Set the ALARM 1 alarm time, when the Hour number flashes, press ▲ or ▼ to increase/decrease, long press to quickly increase/decrease, press SET to confirm.
(5). Short press the ALARM button again to adjust the alarm Minute, when the Minute number flashes, press ▲ or ▼ to increase/decrease, long press to quickly increase/decrease, press SET to confirm.
(6). Short press the ALARM button again to adjust LCD LED Brightness, press ▲ or ▼ to select.
(7). Short press the ALARM button again to confirm and exit.
(8). Setting Sequence: Hour→Minute→L.D.L.D2 (Brightness).
(9). Under setting mode, if there isn't any operation for 30s, it will auto exit.
(10). The ALARM 2 time can also be set using the above methods.

4. Weather Forecast Display

(1). 5-level weather forecast graphics and dynamic instructions: Sunny, Less Cloudy, Cloudy, Light Rain, Heavy Rain.
(2). The weather initialization setting function is available ONLY when power on using AAA batteries for power supply, and cannot be set again during normal operation.

5. Air Pressure Setting

(1). Short press the PRESS&HOLD button, the air pressure unit flashes, and press ▲ or ▼ to select the unit.
(2). Long press the PRESS&HOLD button, the RELATIVE air pressure value flashes, and press ▲ or ▼ to set the relative air pressure value (the setting range is 600hPa/hPa to 1100hPa).
(3). Short press the PRESS&HOLD button again to select the current weather state.
(4). Short press the PRESS&HOLD button again to confirm and exit.
(5). Under setting mode, if it will auto exit if there isn't any operation for 30s.

6. RCC Radio Wave Setting

(1). After power on, auto RCC reception up to max 7 minutes.
(2). When receiving RCC radio wave, all buttons lose no function except the ▲ button.
(3). Auto reception 3 times a day at 3:00, 4:00 and 5:00, if the clock receives RCC, it will stop receiving on that day.
(4). If the clock does not receive the wave signal from 3:00, 4:00, 5:00 in the morning, then it will automatically receive RCC at the same time the next day (max 7 days).
(5). Under normal mode, long press the ▲ button to manually force receiving, long press again to exit.
(6). After successfully receiving the radio wave, if you enter the setting mode and change the settings such as: Time, Day, Month, Year, the icon ⏳ will disappear from the interface.
(7). Under normal mode, long press the ▲ and ▼ button at the same time to permanently turn off the RCC function, and do that again to turn on.
(8). DST will auto display after receiving successfully.
(9). Several variations of RCC patterns flowers:

RCC radio wave reception failed, no icon displayed
RCC radio wave received successfully, stop receiving, the waveform and triangular tower are always on.
RCC is receiving, the antenna tower flashes and there is no waveform, indicating that the receiving signal is not good.
RCC is receiving, the antenna tower does not flash and the waveform flashes from bottom to top, indicating that the receiving signal is good.
Permanently turn off the RCC reception function, the antenna symbol disappears, and only the waveform is displayed.

7. 5-level Moon Phase Display Mode and Tide Display Mode

Northern Hemisphere, Showing the Phases of the Moon, Blank for the Full Moon.

8. Outdoor Temperature and Humidity Reception

(1). Under normal mode, long press the ▲ button to receive manual DH1+14s; when powered by DC, the RF receiving interval DH1+5s.
(2). After the weather is initialized, the RF is received for 2 minutes, and the CHANNEL is successfully received within 2 minutes.

(3). RF flashes when initializing the receiving mode, 📡 receiving a new ID transmitter signal, and quickly receiving immediately after the current CH is received, and 📡 keeps on flashing if it has not received successfully, continues to flash until the CH is successfully received.
(4). After the normal receiving and auto synchronization is successful, it will flash once 📡, indicating that the update data is successful, if the receiving is not successful, it will still keep the original data and continue to receive.
(5). Long press the CHANNEL button, the current CHANNEL is forced to receive, RF flashes 📡, and the old ID transmitter signal is received at this time. When receiving, if you long press the CHANNEL button again, 📡 and clear the original data and let it receive a new ID.

9. Indoor and Outdoor Temperature and Humidity MAX/MIN Memory Function

(1). Under normal mode, press ▲ button to query the MAX/MIN memory value of indoor temperature and humidity and outdoor temperature and humidity.
(2). Under normal mode, long press the ▲ button for 2s to manually clear the MAX/MIN memory value of indoor temperature and humidity and outdoor temperature.
(3). Under the display mode of MAX/MIN indoor temperature and humidity and outdoor temperature, it will return to normal clock display mode if there isn't any operation for 5s.

10. Indoor and Outdoor Temperature, Humidity, Air Pressure and Change Trend Function

(1). Indoor Temperature Detection Range: -9.9℃ to 50℃; below -9.9℃ displays LLL, and higher than 50℃ displays HHH.
(2). Outdoor Temperature Detection Range: -40℃ to 60℃; below -40℃ displays LLL, and higher than 60℃ displays HHH; within 0 to 40℃ is ±1℃, 0 to -40℃ and 40 to 60℃ is ±2℃.
(3). Indoor and Outdoor Humidity Detection Range: 10% to 99%; lower than 10% display LLL, and higher than 99% display HHH.
(4). When the temperature continually rises and the accumulated value exceeds 1℃ & 1.8℉, the symbol of the temperature trend displays ↗.
(5). When the temperature rises or falls within 1 hour, the cumulative value does not exceed 1℃ & 1.8℉, the symbol of the temperature trend displays ➡.
(6). When the temperature continually falls, the temperature drop exceeds 1℃ & 1.8℉, the symbol of the temperature trend displays ↘.
(7). When the accumulated value of the continuous increase in humidity exceeds 5% RH, the symbol of the humidity trend displays ↗.

(8). When the cumulative value of the humidity rising or falling within 1 hour does not exceed 5% RH, the symbol of the humidity trend displays ➡.
(9). When the accumulated value of the continuous drop of humidity exceeds 5% RH, the symbol of the humidity trend displays ↘.
(10). Air pressure measurement range: 600 to 1100hPa.
(11). When the current air pressure is 10% higher than the last hour's air pressure, ↗ is displayed below the weather pattern.
(12). When the current air pressure does not change by more than 1hPa from the past 1 hour, ➡ is displayed below the weather pattern.
(13). When the current air pressure is less than 10% lower than the past 1 hour's air pressure, ↘ is displayed below the weather pattern.
(14). The air pressure detection cycle is 20mins.

11. Indoor Temperature and Humidity Comfort Level Indicator

Comfort level is detected by indoor temperature and humidity.

Comfort Level	Humidity < 20% OFF	20%≤ Humidity <80% COMFORT	≥80% HUMID
Temperature < 19℃	COLD	COLD	COLD
19℃ ≤ Temperature < 27℃	COLD	COMFORT	HUMID
Temperature ≥ 27℃	HOT	HOT	HUMID

12. Temperature ALERT Function

(1). Under normal mode, short press the ▼ button to switch to display temperature ALERT setting value, the default value: upper limit +30℃, lower limit -20℃.
(2). Under upper limit or lower limit value display status, short press the SET button to turn on/off the temperature alarm function (the upper and lower limits can be turned ON/OFF individually).

(3). Under temperature ALERT upper limit or lower limit value display status, long press ▼ to enter the current Upper/lower temperature ALERT setting.
(4). Long press the SET button to confirm the setting, and the upper and lower temperature limits can be set individually.
(5). During the setting process, press ▲ or ▼ to increase/decrease, and long press to quickly increase/decrease.
(6). When the outdoor temperature exceeds the upper limit or is lower than the lower limit, it will auto alarm, you can press the button to stop, or auto stop when the condition disappears for 5mins.
(7). The set item will flash at 1Hz frequency.

13. Low Battery Indication Function

(1). When the weather station battery is too low, there is a battery symbol indication at the indoor temperature 🔋.
(2). When the transmitter battery is too low, there is a battery symbol indication at the outdoor temperature 🔋, and there is a battery symbol indication on the transmitter LCD screen 🔋.

Note: When the power is too low, please replace the battery as soon as possible, so as not to affect the use.

FAQ

Questions	Solutions
After power on, what do I need to do?	1. When the weather station is powered on, the RF will auto receive the outdoor temperature and humidity, and the clock will auto update the outdoor temperature and humidity. 2. If the weather station does not automatically receive successful reception, it will auto update the weather, time and language. 3. You only need to set the alarm time, screen brightness, and time format according to your needs.
The reception of outdoor temperature and humidity is unsuccessful, and prompts "CH" or "CH Channel Flashing"	1. When the weather station does not match the CH channel of the transmitter, it will display "----" or "CH Channel Flashing", please ensure that the channel of the transmitter is consistent with the weather station signal. For example, the weather station is on CH1 channel, the transmitter is also on CH1 channel, and the weather station needs to be manually adjusted to the transmitter channel.

Questions	Solutions
	2. Replace the batteries of the transmitter and weather station (use standard alkaline batteries, do not use heavy or rechargeable batteries).
How to set the time?	When power on, there is no need to set the time, as RCC will auto receive the time signal after successful reception. If you need to adjust the weather, time, and language (summer time is auto received), if you want to manually set it, long press the SET button to enter time setting.
Inaccurate temperature and humidity	Make sure that neither the weather station nor the transmitter is exposed to direct sunlight, and away from any heat sources or ventilation openings.
Why did the transmitter signal not flash and it still doesn't work after receiving?	1. The signal is interfered, please do not put it in the place that affects the signal, such as metal, TV, radio, computer, etc. 2. The external humidity is too high, causing the transmitting element to be damaged, please replace the transmitter, please do not put it in a place where water/rainwater can reach. 3. The distance between the transmitter and the weather station is too far, it is recommended to shorten or adjust the position of the transmitter.
How to keep the backlight always on?	Under DC power supply mode, long press the SNOOZE button to turn off the automatic light sensing mode and adjust the brightness.
Is it hard to see the screen at the clock?	The device adopts a LCD display, and the display contents can be seen clearly from different angles.
How to change the screen brightness in battery mode?	Under battery mode, press the SNOOZE button, the backlight is always on for 10s and then turns off.
What are the package contents?	Including 1 x Weather Station, 1 x Transmitter, 1 x Type-C Cable, 1 x User Manual

What is the product size?	Weather Station: 0.9 x 5.4 x 1.1inl16.9 x 137.4 x 27.5m; Transmitter: 3.9 x 2.5 x 0.8in(10 x 6.4 x 2cm.
Does the product have a memory function?	Can record the MAX/MIN temperature and humidity in the past 24 hours.

Cautions

1. Do not use chemicals to clean any part of this product, just use a soft cloth if necessary.
2. Do not immerse this product in water, it may cause electric shock and damage the product.
3. Do not place the product in extreme force, shock or temperature and humidity.
4. Do not tamper with the parts inside the device.
5. Do not mix old and new batteries or different types of batteries.
6. Do not dispose of this product as unsorted municipal waste.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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