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Newentor Life

Weather Station

(Save the Instructions for Future Reference)

Email
Newentor_Life.us@outlook.com

Facebook
Search: Newentor

Newentor Life weather station is a functional product and with the correct settings will accurately show your local weather. If there are any questions about the use or functions, contact us through any of the above methods to get support.

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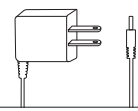
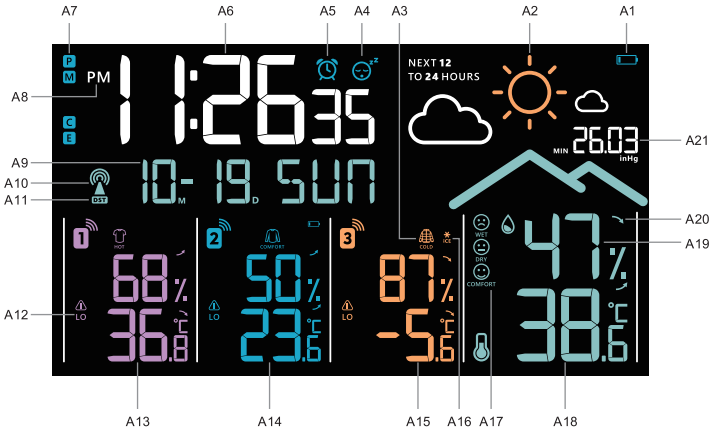
01 WEATHER STATION FEATURES

1.1 Package List

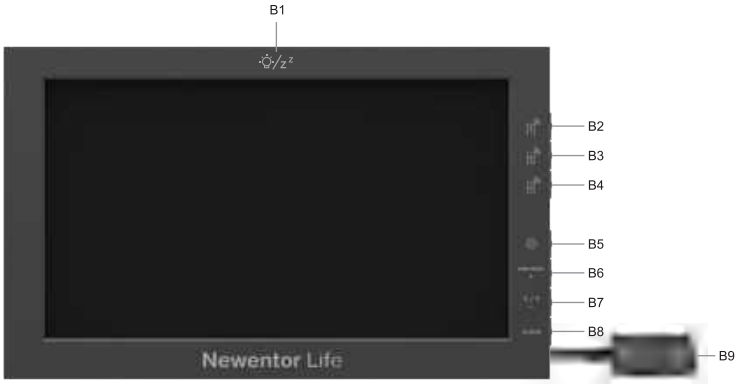
ITEM NO.	PART NAME	FIGURE	QTY
1	Main Unit		1
2	Remote Sensor		3
3	Power Charger		1
4	User Manual		1

02 WEATHER STATION APPEARANCE



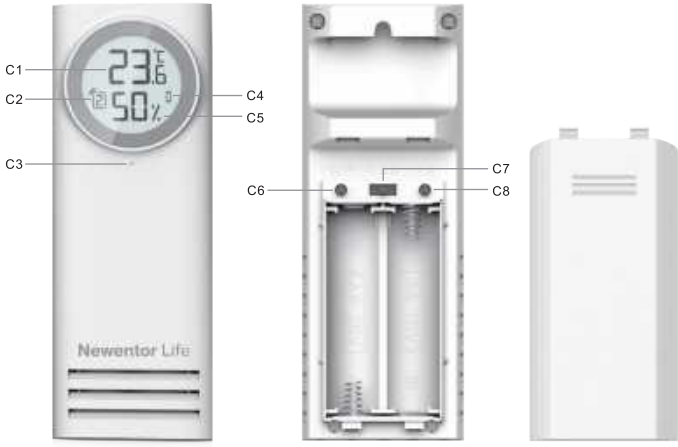
2.1 Weather Station Front

A1: Low battery symbol
A2: Weather forecast
A3: Dressing index
A4: Snooze symbol
A5: Alarm symbol
A6: Time
A7: Time zone
A8: AM/PM
A9: Calendar
A10: Radio mast icon
A11: Daylight savings time (DST)
A12: High/Low alert
A13: Remote sensor 1 data
A14: Remote sensor 2 data
A15: Remote sensor 3 data
A16: Ice alert
A17: Comfort level
A18: Indoor temperature
A19: indoor humidity
A20: Temperature/humidity trend
A21: Barometric pressure



2.2 Weather Station Back

B1: SNOOZE button
B2: Channel 1 button
B3: Channel 2 button
B4: Channel 3 button
B5: Manual setting time/backlight brightness button
B6: Max/Min and + button
B7: °C /°F and – button
B8: Alarm button
B9: DC in interface(DC 5V 0.6A)



2.3 Wireless Outdoor Sensor

C1: Remote sensor temperature
C2: Channel number
C3: Emission symbol
C4: Remote sensor low battery symbol
C5: Remote sensor humidity
C6: °C /°F unit transfer button
C7: Channel switch
C8: Manual transmitter button

2.4 Button Function

Function / Button	Normal Mode		Time Setting		Alarm Setting		Outdoor Alert Setting	
	Press	Hold	Press	Hold	Press	Hold	Press	Hold
1	view Hi/ Lo value	reset and search for CH1 sensor	/	/	/	/	confirm and go to the next step	confirm and go to the next step
2	view Hi/ Lo value	reset and search for CH2 sensor	/	/	/	/	confirm and go to the next step	confirm and go to the next step
3	view Hi/ Lo value	reset and search for CH3 sensor	/	/	/	/	confirm and go to the next step	confirm and go to the next step
⚙	adjust brightness	time setting	confirm and go to the next step	confirm and go to the next step	confirm and go to the normal mode	confirm and go to the normal mode	/	/
MIN/MAX +	view max/ min data	clear max/ min data	increase	decrease continually	increase	decrease continually	increase	decrease continually
℃/℉ −	℃/℉ Switch	WWVB signal(RCC) searching	decrease	decrease continually	decrease	decrease continually	decrease	decrease continually
ALARM	turn on/off the alarm	alarm setting	/	/	confirm and go to the next step	/	/	/
☼/zz	light up the backlight for 8S	light up the backlight for 8S	confirm and go to the normal mode	confirm and go to the normal mode	confirm and go to the normal mode	confirm and go to the normal mode	confirm and go to the normal mode	confirm and go to the normal mode

03 INITIAL OPERATION

(**1**) Open the cover of the remote sensor, and set the 3 sensors to different channels #1, #2, and #3 respectively, insert 2xAA batteries observing polarity [“+” and “−” marks]
(**2**) Plug in the original power adapter(insert 3xAA batteries into the main unit, when the power adapter is unexpectedly powered off, the settings will not be lost), all icons will light up for 3S, you will hear a beep, and the main unit will begin to detect the indoor temperature and humidity. The main unit will now start to make a connection to the outdoor remetor sensor. This operation takes about 3 minutes and is displayed by a flashing reception RF antenna symbol in the 3 Channels display area.
(**3**) 3 minutes later, the weather station will automatically begin to search for WWVB signals to set the time and date(at this time, to prevent the radio clock signal from being interfered with, the backlight will go low brightness). This operation takes about 7 minutes.

F.Y.I.
• The main unit can be connected to 3 remote sensors at the same time, please make sure that the channels of the remote sensors are different. The following actions can be taken:
• If the main unit failed to receive transmission from the remote sensor (“– –.–” and “– –” appears at the remote sensor temperature and humidity display position)
(1) Connect Sensor#1: in normal mode, hold the “ 1 ” button for 3S to search RF signal, press the “TX” button of remote sensor#1 to transmit the RF signal and connect to the main unit.
(2) Connect Sensor#2: in normal mode, hold the “ 2 ” button for 3S to search RF signal, press the “TX” button of remote sensor#2 to transmit the RF signal and connect to the main unit.
(3) Connect Sensor#3: in normal mode, hold the “ 3 ” button for 3S to search RF signal, press the “TX” button of remote sensor#3 to transmit the RF signal and connect to the main unit.
• When the radio mast icon shows as “ ”, it means the WWVB signal has been successfully received, we suggest that:
––A minimum distance of 8 feet 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 circumstances, place the device close to the window.

04 TIME SETTING

4.1 Set Time Manually

• Hold the “ ⚙ ” button for 3S to enter the time setting operation, press the “+” and “−” buttons to select, press the “ ⚙ ” button to confirm and go to the next step. The sequence steps are as follows.

◇ RCC ON/OFF (WWVB)
◇ Standard Time Zone(to match your city)
◇ DST ON/OFF(if your city use DST, turn it ON)
◇ Year
◇ Month/Date Format
◇ Month
◇ Date
◇ 12/24 Hour Format
◇ Hour
◇ Minute
◇ Language
◇ Weather Forecast
◇ Air Pressure Unit
◇ Air Pressure Value

F.Y.I.

• During operation, if no operation is performed within 20 seconds, the device will return to normal mode automatically.
• The time zone must be selected correctly according to your location, or the time/date will be synced incorrectly after searching WWVB signal.

4.2 Automatic Time Setting

• Before searching Radio signal (WWVB signal), choose a right Time Zone according to your location.
(**1**) After the main unit is connected to the remote sensor, the main unit will start to search WWVB signal and the radio mast icon will start to flash. This process lasts up to 7 minutes. If the signal is not received successfully, the system will automatically attempt another synchronization at the next full hour. If the reception is successful, this step will not be performed.
(**2**) At every 1:00/2:00/3:00 am, the clock will carry out the synchronization procedure with the WWVB signal to correct any deviations to the exact time automatically. If fails, the system will automatically attempt another synchronization at the next full hour.
(**3**) To start searching the WWVB signal manually, choose a time zone and return to normal mode first, then press and hold the "**–**" button about 3 seconds. During WWVB signal reception, to stop searching the radio signal, press the "**–**" button once.
: Received successfully

F.Y.I.

• During WWVB signal searching, only the "☼/zᶻ" and "**–**" buttons work, other buttons do not work and backlight will go blank. If you want to carry out other operations, press the "**–**" button to exit this process.
• More information related to the WWVB signal, please refer to: www.nist.gov/pml/div688/grp40/wwvb.cfm.
• Signal reception is normally better at night and when the weather is clear. The atomic signal generally takes 2 ~ 5 days to synchronize, so it is important to manually set the time and date after powering on the display.

05 DAILY ALARM AND SNOOZE FUNCTION SETTING

5.1 Setting the Daily Alarm

• Hold the “ALARM” button for 3S to enter alarm time settings, press the “+” and “–” buttons to adjust value, press the “ALARM” button to confirm and go to the next steps. The order of setting is as follows:

◇ Alarm Hour
◇ Alarm Minute
◇ Alarm Day(MF/FS/MS)
◇ Alarm On/Off

Done and return to the normal mode

F.Y.I

M–F (MON-FRI): From Monday to Friday
S–S (SAT-SUN): From Saturday to Sunday
M–S (MON-SUN): From Monday to Sunday

5.2 Activate/Deactivate the Alarm Signal

• Press the “ALARM” button to activate/deactivate the alarm. Touch the “☼/zᶻ” button to confirm and return to the normal mode
• When the alarm goes off, press any button except the “☼/zᶻ” button to stop the alarm signal. It is not necessary to reactivate the alarm, the alarm clock will ring again at this time next day.

F.Y.I.

• When the alarm clock function is turned on, the alarm clock icon “⏰” is displayed on the screen.

5.3 Snooze Function

• When the alarm goes off, press the “☼/zᶻ” button to enter SNOOZE mode, the alarm will go off again in 5 minutes.

06 MAXIMUM/MINIMUM

• To view indoor/outdoor maximum/minimum temperature、humidity and pressure data in (the past 24 hours), press the “Max/Min” button.
◇ Once to show the maximum temperature、humidity and pressure values.
◇ Twice to show the minimum temperature、humidity and pressure values.
◇ Three times to return to the current temperature、humidity and pressure levels.
• Hold the “Max/Min” button about 3 seconds to clear and re-record the maximum and minimum temperature、humidity and pressure.

07 TEMPERATURE, HUMIDITY AND COMFORT DISPLAY

7.1 ˚C or ˚F Temperature Display

• Press the “-” button to change the temperature unit to ˚C or ˚F.

7.2 Current Temperature and Humidity Trend Display

↗ The temperature continued to rise more than 1℃/1.8˚F within 1 hour.
↘ The temperature continued to drop more than 1℃/1.8˚F within 1 hour.
↗ The humidity continued to rise more than 5% within 1 hour.
↘ The humidity continues to drop more than 5% within 1 hour.

7.3 Outdoor Temperature & Humidity Alert Settings

• Press the " 1 "/ " 2 "/ " 3 " button to enter the Hi/Lo view mode, then hold the " 1 "/ " 2 "/ " 3 " button for 3S to enter the Hi/Lo Alert settings, press the "+" and "−" buttons to adjust value, press the " 1 "/ " 2 "/ " 3 " button to confirm and go to the next steps. The order of setting is as follows:

• High humidity alert value
◇ Alert on or off
◇ Low humidity alert value
◇ Alert on or off
◇ High Temperature alert value
◇ Alert on or off
◇ Low Temperature alert value
◇ Alert on or off
◇ Done and return to the normal mode

F.Y.I.

• Before entering the settings, you must select the remote channel, (different channels can set different temperature alarm ranges.)

• When the temperature of the remote sensor exceeds the set range, the alert alarm will be activated and sound for 5 seconds, at the same time, the alert icon " ⚠ " , value and alarm upper limit icon " **HI** " or lower limit icon " **LO** " will all flash.

7.4 Comfort Level

DRY The temperature and humidity is dry (humidity＜40%)
COMFORT The temperature and humidity is comfort (when the temperature is in 20~28℃/68~82℉ and the humidity is 40~70%)
WET The temperature and humidity is wet (humidity >70%)

7.5 Clothing Index

HOT The sensor temperature is hot (sensor temperature＞28℃/82℉)
COMFORT The sensor temperature is comfort (64℉≤sensor temperature≤82℉)
COLD The sensor temperature is cold (sensor temperature＜64℉)

08 BAROMETRIC AND WEATHER FORECAST

8.1 Barometric pressure

• Forecast the weather in the next 12 hours based on the (air pressure change).
• Absolute pressure is the measured atmospheric pressure, and is a function of altitude, and to a lesser extent, changes in weather conditions. Absolute pressure is not corrected to sea–level conditions. Relative pressure is corrected to sea–level conditions.

8.2 Weather Forecast

• The weather is divided into 5 levels: completely clear, partly clear, cloudy, raining, snowing

Completely Clear	Partly Clear	Cloudy	Raining	Snowing
				

• Snowy weather pattern changes: when the weather pattern is rainy or heavy rain, if the outdoor temperature is lower than –1℃/30.2˚F, the weather pattern automatically changes to a snowy pattern; if the outdoor temperature is higher than –1℃/30.2˚F, the weather pattern is raining.
• Snow judgment sequence: CH1--CH2--CH3--Indoor
• The forecast icon is based on the rate of change of barometric pressure. Please allow at least one month for the weather station to learn the barometric pressure over time.
• In general, if the rate of change of pressure increases, the weather is generally improving (sunny to partly cloudy). If the rate of change of pressure decreases, the weather is generally degrading (cloudy, rainy, or stormy). If the rate of change is relatively steady, it will read partly cloudy. The reason the current conditions do not match the forecast icon is because the forecast is a prediction 24–48 hours in advance. In most locations, this prediction is only 70% accurate and it is a good idea to consult the National Weather Service for more accurate weather forecasts. In some locations, this prediction may be less or more accurate.

09 BACKLIGHT FUNCTION

1. When plugged in the adapter, press the " ⚙ " button to switch to three levels of brightness: high → low → off.
• Press any other button except " ⚙ " to light up the screen for 8 seconds, and then return to the previous state.
• When the alarm clock goes off, the screen will light up for 8 seconds, and then return to the previous state.

2. When using battery power only, press "☼/zᶻ" to light up the screen for 8 seconds and then goes off (to save power).
• Press any other button except "☼/zᶻ" to light up the screen for 8 seconds, and then go off.
• When the alarm clock goes off, the screen will light up for 8 seconds and then turn off.

Besides, when it's searching WWVB signal to calibrate time and date, to prevent the interference of the radio wave, the screen will go blank, this process lasts about 3–7 minutes, then it will light up again automatically.

10 LOW BATTERY INDICATOR

When the battery icon " ▭ " is displayed on the screen, you need to replace the batteries of the main unit or remote sensor as soon as possible.

11 WARRANTY

• The device has been manufactured in accordance with strict quality guidelines and has been inspected carefully before delivery.
• Newentor Life guarantees that the warranty period of the device is 1 year from the date of purchase. Excludes damage caused by improper use or intentional use.

12 PRODUCT PARAMETERS

• Indoor temperature detection range: from -10°C to 60.0°C (from 14°F to 140.0°F). If it exceeds this range, it will display LL.L(<-10°C/14°F) or HH.H(>60°C/140°F).
• Outdoor temperature range: from -50 ℃ - 70 ℃ (-58 ℉ - 158℉). If it exceeds this range, it will display LL.L(<-50°C/-58°F) or HH.H(>70°C/158°F).
• Humidity detection range: from 1% to 99%. If it exceeds this range, it will display LL.L(<1%) or HH.H(>99%).
• Indoor detection period: 30 seconds
• Sensor synchronization period: CH1=31S, CH2=33S, CH3=35S
• When RCC reception is in progress, temperature detection is suspended.
• Default time zone: 00 (DCF), EST-05 (WWVB)
• Default temperature unit: ℃ (DCF), ℉ (WWVB)
• Default air pressure units: hPa (DCF, MSF), inHg (WWVB)

SAFETY

Read the following advice carefully and store these operating instructions in case you want to reread something later. If you give the item to someone else, give them these operating instructions as well.

- This device can be used by people over 8 years old. People with weak physical, sensory or mental abilities, and lack of experience or knowledge need to be supervised or guided to use it.
- Cleaning and user maintenance may not be carried out by children unless they are supervised.
- Children must be supervised to make sure that they do not play with the device.
- The device must not be immersed in water or other liquids. Electric shock hazard!
- Do not use the device in areas where it may be wet, such as a sink.

Danger

- When installing the device on a wall, there must be no electrical cables, gas or water pipes in the wall at the installation site. Otherwise there is a risk of electric shock.
- You can stand the main unit up or hang it up. For this the main unit has a fold–out stand as well as a loop for hanging.
- Unfold the stand until it clicks into place to set up the main unit.
- Place or hang the main unit as close to a window as possible. The reception is generally best there.

Cleaning

- When operating using the power cord: Remove the switching adapter plug from the base unit.
- Wipe the main unit with a slightly damp cloth when required.
- Dry off the device completely before connecting it with the switching adapter again.

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

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

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.

DISCLAIMERS

Manufacturer reserves the right to change specifications of the product. Manufacturer and supplier are not responsible for malfunction where interference occurs.

RF warning statement:
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

DECLARATION OF CONFORMITY

◆This product was manufactured in accordance with the harmonized European standards, you will find the declaration of conformity below:

◇2014/30/EU EMC Directive
◇2014/53/EU RED Directive
◇2011/65/EU RoHS Directive

DISPOSAL

The packaging is made of environmentally friendly materials, which may be disposed through your local recycling facilities.

When your device has come to the end of its life, in the interest of environmental protection please do not throw it out with your household refuse, but take it to a suitable center where is can be disposed of properly.

All batteries must be handed in at a collection point in your community, suburb, or at the retailer. Such batteries can thus be disposed of in an environmentally friendly way.