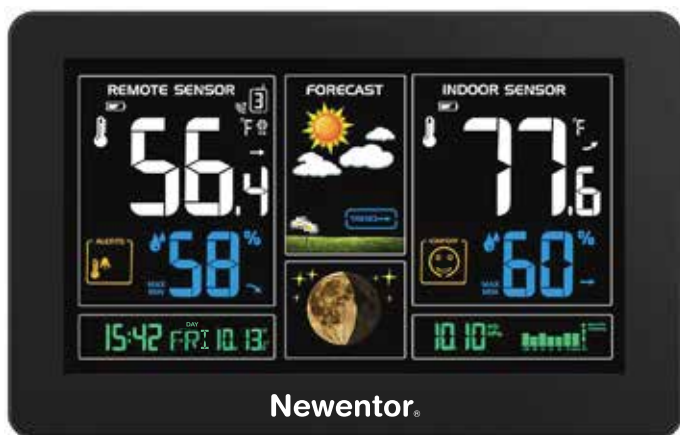


Weather Station

(Save the Instructions for Future Reference)



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Weather station is a functional product, correct setting ensures its normal use. If there are any questions about use, contact us through above ways to get support.

TABLE OF CONTENTS

1. WEATHER STATION FEATURES

1.1 Package List	2
1.2 Weather Station Appearance	3
1.3 Button Functions	6

2. INITIAL OPERATION

7

3. BACKLIGHT SETTING

8

4. TIME, TIME ZONE AND CALENDAR SETTING

4.1 Manual Time Setting	8
4.2 Automatic Time Setting	9

5. DAILY ALARM AND SNOOZE FUNCTION SETTING

5.1 Setting the Daily Alarm	9
5.2 Switching On/Off the Alarm Signal	9
5.3 Snooze Function	9

6. WEATHER FORECAST AND BAROMETRIC

6.1 Weather Forecast	10
6.2 Barometric Pressure Display	10
6.3 Barometric Trend Display	11

7. LUNAR PHASES AND TIDE INDICATOR

11

8. TEMPERATURE, HUMIDITY AND COMFORT DISPLAY

8.1 °C or °F Temperature Display	12
8.2 Current Temperature and Temperature Trend Display	12
8.3 Outdoor Temperature Alert Settings	12
8.4 Activating and Deactivating Temperature & Frost Alert	12
8.5 Comfort Display	13
8.6 Current Humidity and Humidity Trend Display	13
8.7 Maximum/Minimum Temperature and Humidity	13
8.8 Remote Sensor Transmission	14

9. USB CHARGER

14

10. LOW BATTERY

14

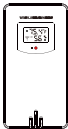
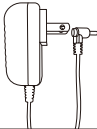
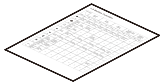
11. PRODUCT SPECIFICATION

15

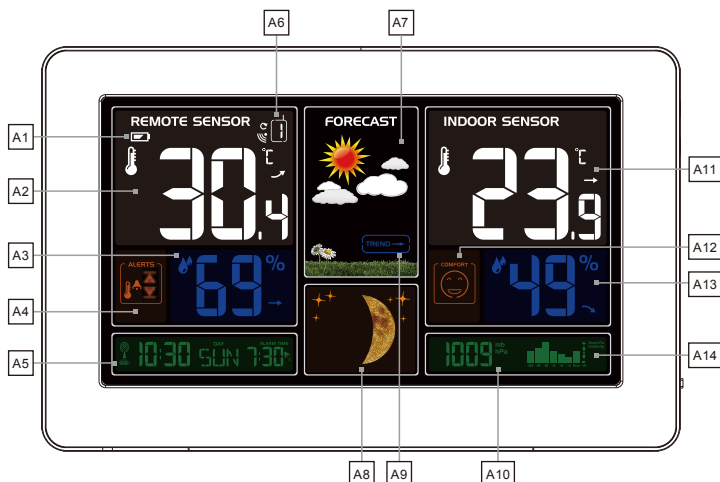
EN – Weather Station

01 WEATHER STATION FEATURES

1.1 Package List

ITEM NO.	PART NAME	FIGURE	QTY
1	Weather Station		1
2	Outside Sensor		1
3	Power Charger		1
4	User Manual		1
5	Button Function Manual		1

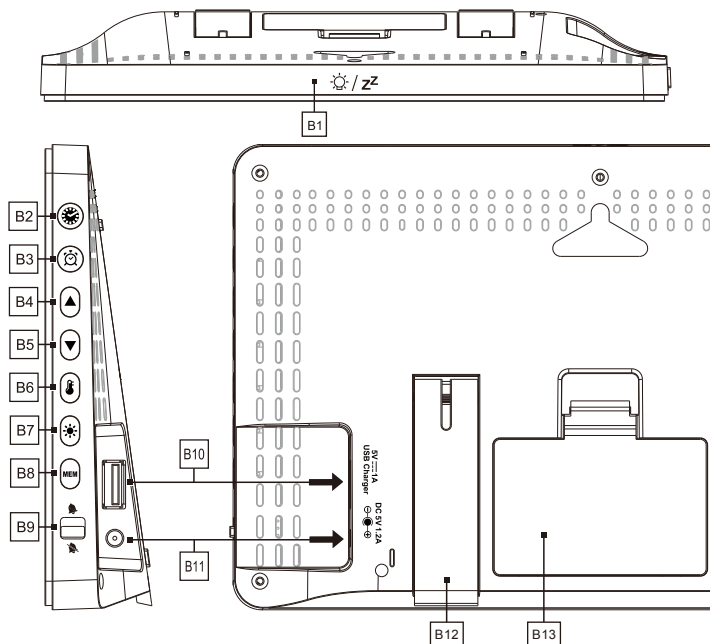
1.2 Weather Station Appearance



Part A — Weather Station Front

- A1: Remote Battery Signal ( 14th page)
- A2: Remote Temperature ( 15th page)
- A3: Remote Humidity ( 15th page)
- A4: Remote Temperature Alert ( 12th page)
- A5: Radio Mast Icon, DST, Time/Calendar or Alarm Time ( 7–9th page)
- A6: Outside Channel ( 14th page)
- A7: Weather Forecast ( 10th page)
- A8: Moon Phase ( 11th page)
- A9: Barometric Trend ( 11th page)
- A10: Barometric Pressure ( 10th page)
- A11: Indoor Temperature ( 15th page)
- A12: Indoor Comfort ( 13th page)
- A13: Indoor Humidity ( 15th page)
- A14: Histogram Shows the Atmospheric Pressure ( 11th page)

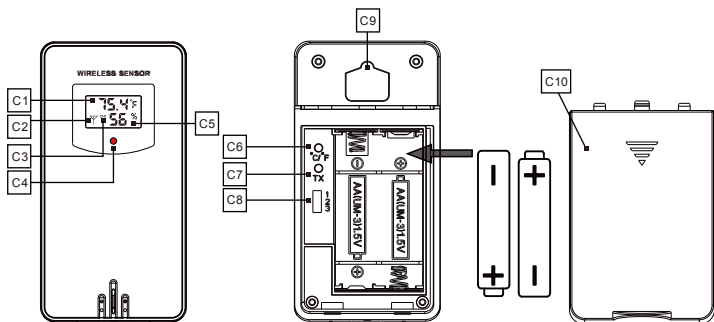
-  There may be $\pm 1^{\circ}\text{C}/1.8^{\circ}\text{F}$ deviation when temperature is $0^{\circ}\text{C}\sim 40^{\circ}\text{C}/32^{\circ}\text{F}\sim 104^{\circ}\text{F}$, while $\pm 2^{\circ}\text{C}/3.6^{\circ}\text{F}$ deviation in other ranges.
-  There may be $\pm 5\%$ deviation when humidity is $40\%\sim 80\%$, while $\pm 8\%$ deviation in other ranges.



Part B — Weather Station Back

- B1: “☀/zZ” Touch Field (➡ 6th page)
- B2: “☀” Button (➡ 8th page)
- B3: “☾” Button (➡ 9th page)
- B4: “▲” Button (➡ 6th page)
- B5: “▼” Button (➡ 6th page)
- B6: “🌡” Button (➡ 12th page)
- B7: “☀” Button (➡ 8th,10th page)
- B8: “MEM” Button (➡ 6th page)
- B9: Alarm On/Off Shift Switch (➡ 9th page)
- B10: USB Charger Output Socket (➡ 14th page)
- B11: Power Supply Socket
- B12: Station Table Stand
- B13: Battery Compartment

- ⚠ When plugged in, press “☀” button to keep the backlight always on or adjust brightness.
- ⚠ When the clock is synchronizing the WWVB signal, only “☀/zZ” and “▲” buttons work. The backlight is only on for 15 seconds by pressing “☀/zZ” button, this process lasts about 7 minutes and the backlight will light up again after synchronization. Press “▲” button to exit from the WWVB signal search mode.



Part C — Wireless Outdoor Sensor

C1: Remote Sensor — Temperature

C2: Remote Transmission Signal

C3: Remote Channel ( 14th page)

C4: Transmit Signal LED

C5: Remote Sensor — Humidity

C6: “ °C/°F ” Switch Button

C7: “TX” Reset Button ( 14th page)

C8: 3 Channels Select ( 14th page)

C9: Remote Wall Mount Hole

C10: Battery Compartment

 To get accurate readings, please keep the main unit clear of any unusual source of heat or cold (such as lamps, heaters and others) and that the sensor is also protected from direct sunlight, rain, or the heat it may experience from being mounted on a warm wall, or from heat rising from a surface below it.

1.3 Button Function

Function Button	Normal Mode		Time Setting		Alarm Setting		Outdoor Temperature Alert Setting		Weather Forecast Setting	
	Press	Hold	Press	Hold	Press	Hold	Press	Hold	Press	Hold
 B1	Backlight On for 15 Seconds	Backlight On for 15 Seconds	Backlight On for 15 Seconds	Backlight On for 15 Seconds	Backlight On for 15 Seconds	Backlight On for 15 Seconds	Backlight On for 15 Seconds	Backlight On for 15 Seconds	/	/
 B2	Switch Display of Calendar or Second	Time Setting	Confirm and Go to the Next Step	/	/	/	/	/	/	/
 B3	Switch Display of Calendar or Alarm	Alarm Setting	/	/	Confirm and Go to the Next Step	/	/	/	/	/
 B4	°C/°F Switch	Automatic Time Setting	Increase	Increase Continually	Increase	Increase Continually	Increase	Increase Continually	Go to the Next Step	/
 B5	3 Channel Switch	Channel Searching	Decrease	Decrease Continually	Decrease	Decrease Continually	Decrease	Decrease Continually	Back to the Last Step	/
 B6	Turn On/Off Temperature Alert	Outdoor Temperature Alert Setting	/	/	/	/	/	/	/	/
 B7	Adjust Brightness of the Backlight in DC Mode	Weather Forecast Setting	/	/	/	/	/	/	Confirm Setting	/
MEM B8	View indoor/outdoor Max/Min Data	Clear Max/Min Data	/	/	/	/	/	/	/	/
 B9	Slide up to switch On alarm, slide down to switch Off alarm.									

02 INITIAL OPERATION

- Plug in the original power cord or insert 2 x AA batteries observing polarity [“+” and “-” marks]. All icons on the screen of main unit will light up for 3 seconds, you will hear a beep, and the main unit will begin to detect the indoor temperature and humidity.
- Open the cover of remote sensor, choose a channel for remote sensor(1, 2 or 3, and press “▼” button to set the channel of the main unit match to the remote sensor’s), insert 2 x AA batteries observing polarity [“+” and “-” marks], then the remote sensor will begin to detect the temperature and humidity. The LED light flashes once indicating that the remote sensor sends a wireless signal once.
- After the indoor temperature and humidity detection is completed, the main unit will begin to establish a connection with the remote sensor (**note: please keep the channel of the main unit and remote sensor consistent**). At this time, the RF icon “” will appear and flash in the “REMOTE SENSOR” display area of the main unit.
- Once the weather station has established a connection to the remote sensor, it 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 turn dark. The default time zone is Pacific Time -8, if you need to select the time zone that matches your location, press “▲” button to exit from WWVB signal search mode, then refer to page 8 to set the time zone and time**). At this time, the radio mast icon “” will flash (the icon is next to the digital display of time) and the screen will turn dark, this process 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.
- In the process of searching for WWVB signal, the radio mast icon “” will appear and the screen will turn dark, at this time, only “/Z²” and “▲” buttons can work. You can press “/Z²” button to light up the screen for 15 seconds and press “▲” button to stop searching WWVB signal.
- When radio mast icon shows as “”, it means WWVB is strong, when radio mast icon shows as “”, it means WWVB signal is weak.
- To get a strong WWVB signal, 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.

03 BACKLIGHT SETTING

- When powered by batteries, to save power, the backlight is only on for 15 seconds by pressing “/Zz”.
- When plugged in the power cord, the backlight brightness button is “” button, right side. Press it to turn on the backlight full brightness. Press it again to begin dimming the light. Keep pressing. When the display gets to full dark, you can turn it back on for 15 seconds using “/Zz” button. To get back to continued full brightness, press “” button again.

04 TIME, TIME ZONE AND CALENDAR SETTING

4.1 Manual Time Setting

- Press and hold “” button for about 2 seconds to enter the time setting operation, press “” and “” buttons to select, press “” button to confirm and go to the next step. The sequence steps are as follows.

- ◇ 12/24 Hour Format
- ◇ Time Zone
- ◇ DST Switch
- ◇ Hour
- ◇ Minute
- ◇ Month/Date Format
- ◇ Year
- ◇ Month
- ◇ Date

For example, press and hold “” button for about 2 seconds, the 12/24 Hour Format display begins to flash, press “” and “” buttons to set the 12/24 hour mode you prefer, press “” button to confirm and the Time Zone begins to flash.

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.
- After the main unit is connected to the remote sensor, the main unit will start to search WWVB signal and the radio mast icon starts to flash. If the signal is weak, the icon will be showed as “”, if the signal is strong, the icon will be showed as “”. 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 one hour. If the reception is successful, this step will not be performed.
- 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 fail, the system will automatically attempt another synchronization at the next full one hour.
- To start searching WWVB signal manually, choose a time zone and return to normal mode first, then press and hold “” button more than 3 seconds.
- During WWVB signal searching, only “/zZ” and “” button work, other buttons do not work and backlight will turn dark. If you want to carry out other operations, press “” button to exit this process.

05

DAILY ALARM AND SNOOZE FUNCTION SETTING

5.1 Setting the Daily Alarm

- Press “” button to switch the display calendar or alarm.
- Press and hold “” button for 2 seconds, the Alarm Time hour display begins to flash, press “” and “” buttons to set the required hour.
- Press “” button to confirm your setting, the Minute display begins to flash, press “” and “” buttons to set the required minute.
- Press “” button to confirm your setting and return to normal mode.

5.2 Switching ON/OFF the Alarm Signal

- When the alarm shift switch is pushed in the “” position, the “” icon will appear next to the date, the alarm function is ON.
- When the alarm shift switch is pushed in the “” position, the “” icon will disappear, the alarm function is OFF.
- 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.

5.3 Snooze Function

- When the alarm goes off, press the “/zZ” button, the alarm clock enters SNOOZE mode, the alarm will go off again in 5 minutes.

6.1 Weather Forecast

- The device calculates a weather forecast for the next 12–24 hours based on the barometric pressure trend, NOT the current weather.
- Of course this forecast can't compare to that of professional weather services supported by satellites and high performance computers, but merely provides an approximate indication of current developments. Please give priority to the weather forecast of the local weather forecast service.
- The weather station displays the following weather symbols:

					
Sunny	Slightly Cloudy	Cloudy	Rainy	Heavy Rainy	Snowy

- It usually takes about 7 to 10 days for barometric calibration as it will ensure an accurate forecast for your location. When using the device for the first time, please wait a few days to correct the weather forecast. To speed up device response and measurement time, you can also **manually calibrate the current weather icon**. Step refer to **6.2 Barometric Pressure Display**.

F.Y.I.

- The flashing clouds indicate that the system is operating normally, not that the product is malfunctioning.
- The snowy weather forecast icon only appears when the outside temperature is -4°C / 24.8°F .

6.2 Barometric Pressure Display

- Press and hold “☀” button for 2 seconds to enter barometric unit and weather settings. Press “▲” and “▼” buttons to set the barometric unit to display in the “hPa/mb” or “inHg”.
- Press “☀” to confirm your setting, the weather symbol begins to flash, press “▲” and “▼” buttons to choose the current weather symbol.
- Press “☀” button to confirm your setting and return to normal mode.
- If the barometric pressure reading is below the minimum range, “LLLL” will be displayed on the screen. If the barometric pressure reading is above the maximum range, “HHHH” will be displayed on the screen.
- Barometric values are related to the temperature and humidity of the environment and cannot be modified manually.

6.3 Barometric Trend Display

-  The barometric pressure continued to rise more than 1 hPa within 1 hour.
-  The cumulative value of the barometric pressure rising or falling continuously does not exceed 1 hPa within 1 hour.
-  The barometric pressure continued to drop more than 1 hPa within 1 hour.

It is normal for the barometric histogram to move continuously from right to left, which means it is working.

07 LUNAR PHASES AND TIDE INDICATOR

- The device displays 12 different moon phases according to the calendar. During the new moon, the moon phase screen won't light up until Waxing Moon.

							
New moon	Waxing half-moon	Half-moon	Waxing full moon	Full moon	Waning full moon	Half-moon	Waning half-moon



TEMPERATURE, HUMIDITY AND COMFORT DISPLAY

8.1 °C or °F Temperature Display

- Press “▲” button to change the temperature unit to °C or °F.

8.2 Current Temperature and Temperature Trend Display



The temperature continued to rise more than 1°C/1.8°F within 1 hour.



The cumulative value of the temperature rising or falling continuously does not exceed 1°C & 1.8°F within 1 hour.



The temperature continued to drop more than 1°C/1.8°F within 1 hour.

8.3 Outdoor Temperature & Frost Alert Settings

- Press and hold the “🌡️” button for 2 seconds, the icon of Upper limit of the Temperature alarm “▲🌡️” begins to flash. Press the “▲” and “▼” buttons to set the required maximum temperature. Press “🌡️” to confirm your setting.
- The icon of the Lower limit of the Temperature alarm “▼🌡️” starts to flash. Press the “▲” and “▼” buttons to set the required minimum temperature. Press “🌡️” button to confirm your setting and return to normal mode.

F.Y.I.:

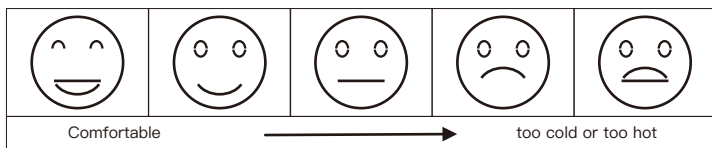
- Before entering the settings, you must select the remote channel, different channels can set different temperature alarm ranges.

8.4 Activating and Deactivating Temperature & Frost Alert

- Press “🌡️” button to activate or deactivate the remote temperature alert. When the remote temperature alarm is activated, the temperature alarm icon will be displayed in the REMOTE SENSOR window.
- When the temperature of the remote sensor exceeds the set temperature range, the alert alarm will be activated and sound for 5 seconds, at the same time, the temperature alert icon “▲🌡️”, temperature value and alarm upper limit icon “▲🌡️” or lower limit icon “▼🌡️” will all flash.
- When the temperature of remote sensor is +30°F to + 37°F or -1°C to + 3°C, the frost alarm will be activated, “❄️” icon will flash.

8.5 Comfort Display

● Indoor comfort level is calculated according to the indoor temperature and humidity, there are 5 levels.



8.6 Current Humidity and Humidity Trend Display

-  The humidity continued to rise more than 5% within 1 hour.
-  The cumulative value of the humidity rising or falling continuously does not exceed 5% within 1 hour.
-  The humidity continues to drop more than 5% within 1 hour.

8.7 Maximum/Minimum Temperature and Humidity

- To view indoor/outdoor maximum/minimum temperature and humidity data in the past 24 hours, press the “MEM” button.
- ◇ Once to show the maximum temperature and humidity values.
- ◇ Twice to show the minimum temperature and humidity values.
- ◇ Three times to return to the current temperature and humidity levels.
- Press and hold “MEM” button for about 2 seconds to clear and re-record the maximum and minimum temperature and humidity.

F.Y.I.:

- If the temperature reading is below range, the “LL.L” will be displayed. If the temperature reading is above range, the “HH.H” will be displayed.

8.8 Remote Sensor Transmission

- When the batteries are installed in the remote sensor, the main unit will automatically connect to it.
- The main unit can connect up to 3 remote sensors at the same time, please make sure that the channels of the remote sensors are different.
- “▼” button is the channel select button, keep pressing “▼” button, the screen displays CH1, CH2, CH3, CYCLE mode (there is a cycle symbol “🔄” displayed next to CH, at this time, the screen will cyclically display the readings of CH1, CH2, and CH3 every 5 seconds), press “▼” button again to back to CH1.
- Press and hold “▼” button for 3 seconds to manually connect the remote sensor, in the meantime, press the “TX” button of remote sensor to speed up connection.

F.Y.I.:

- When a channel is not connected to the remote sensor, the readings of this channel will display “--”.
- There is only 1 remote sensor included, please make the main unit stay in the same channel with remote sensor.

09 USB CHARGER

- When you use USB charger to charge the electronic device, please make sure weather station is powered by original power cord, DO NOT use batteries only.

10 LOW BATTERY

- If the battery icon “” appears, the batteries in the outdoor sensor should be replaced as soon as possible.

PRODUCT SPECIFICATION

- LED screen size: 7.5 inches
- Indoor temperature measurement range: 15°F (-9.9°C) to 122°F (50°C)
- Outdoor temperature measurement range: -4°F (-20°C) to 140°F (60°C)
Temperature unit: °F or °C
- Indoor & Outdoor humidity measurable range: 20%RH ~ 95%RH
- Barometric pressure measurement range: 600 hPa/mb(17.72 inHg) to 1100 hPa/mb (32.48 inHg)
- Remote receiving range
 - 433.92MHz RF transmitting frequency
 - 200 feet transmission range in an open area
- Power supply
 - Main unit : 2 x AA (not included) or Power Adapter (included)
 - Remote sensor: 2 x AA (not included)
- Temperature and humidity detection cycle
 - Main unit: 60S
 - Remote sensor update time: CH1: 68S, CH2: 72S, CH3: 76S
- The default setting of the temperature alert
 - The upper limit: 140°F/60°C
 - The lower limit: -4°F/-20°C

SAFETY

- ◆ This device is not intended for use by persons (including children under 8 years of age) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge unless they have been given supervision or instruction by the person responsible for their safety.
- ◆ The weather station does not include batteries, but is a battery-operated product. If a battery is swallowed accidentally, seek medical assistance immediately.

RISK OF BATTERY LEAKAGE

- ◆ In the event of a battery leak, immediately remove it from the device.
- ◆ If battery acid is accidentally contacted, rinse thoroughly with water immediately and seek medical assistance immediately.
- ◆ Only use the same type of batteries, do not mix used and new batteries.
- ◆ Avoid using the device under extreme environmental conditions and temperatures.
- ◆ Remove the batteries from the device if they have not been used for a long period.

RISK OF EQUIPMENT DAMAGE

- ◆ If necessary, clean the battery and device contacts before inserting the battery.
- ◆ Remove drained batteries from the product as soon as possible .
- ◆ Please do not make any changes to this item. Repairs are only allowed in professional repair shops. Incorrect maintenance will seriously endanger user safety.

GUARANTEE

- ◆ The device has been manufactured in accordance with strict quality guidelines and has been inspected carefully before delivery.
- ◆ Newentor guarantees that the warranty period of this device is 1 year from the date of purchase.

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 it 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.

Technical support email:
service@newentor.com