

GBlife PT3378 Instruction Manual

1. Main Features

1. WWVB radio controlled time
2. Continuous Calendar display up to 2099
3. 12 / 24 hour time display
4. Daily Alarm
5. Snooze function
6. Moon Phase
7. Barometric Pressure (measuring unit in hPa/mb or inHg)

Pressure measuring range: 600 hPa/mb to 1100 hPa/mb or 17.72 inHg to 32.50 inHg, with manual setting option as plus.

8. Humidity measuring range: 20%RH to 95%RH (indoor / outdoor transmitter)
9. Temperature unit: switchable between °C and °F

Indoor measuring range: 0°C(32°F) to 50°C(122°F)

Transmitter measuring range:-20°C(-4°F) to 60°C(140°F)

Frost Alert

10. Air humidity and temperature display with MIN/MAX records
11. Remote wireless transmitter:

Wall hanging or free standing

Include a wireless thermal transmitter

Wireless transmission at 433.92MHz

Transmission range: Up to 60m (open area)

12. Weather Forecast

Power Consumption



Weather Station

2 x LR6 AA battery (exclusive)

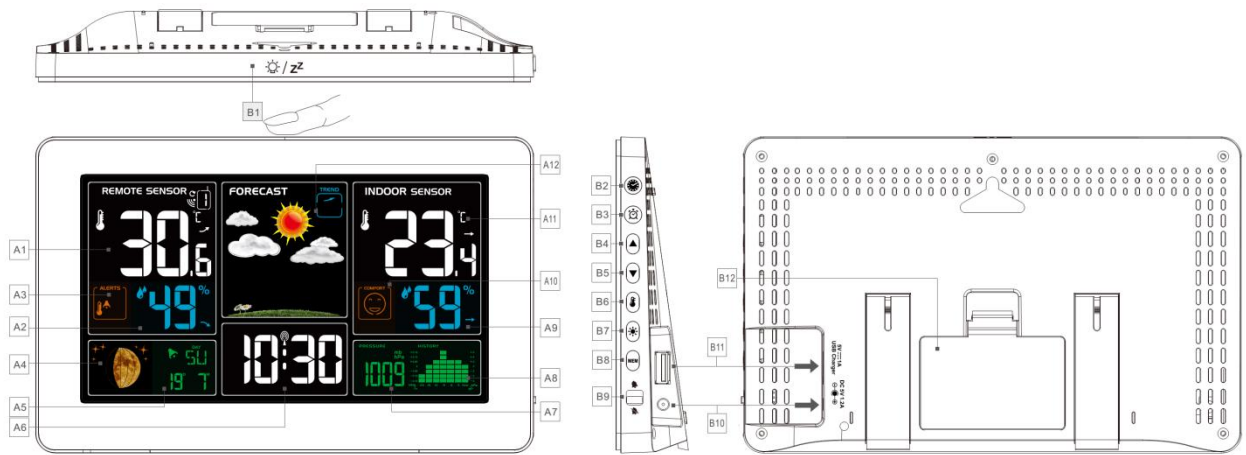
Adapter: DC5V 1.2A

Remote wireless thermal-hygro transmitter:

2×LR6 AA battery (exclusive)

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2. Unit Appearance



Part-A- Dynamic Display in the LCD

- A1: Value of thermal transmitter
- A2: Value of humidity transmitter
- A3: Alarm of thermal. transmitter
- A4: Moon Phase
- A5: Calendar or Alarm Time
- A6: Time Display
- A7: Barometric Pressure Display
- A8: Tendency for the next-24-hr pressure shown in histogram (bar graph)
- A9: Indoor Humidity Display
- A10: Indoor Comfort Indicator
- A11: Indoor Temperature Display
- A12: Weather Forecast

Part-B-Side key and Power

- B1: "☀ / Z" Touch zone
- B2: "🕒" Key
- B3: "🕒" Key
- B4: "▲" Key

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B5: “▼” Key

B6: “☺” Key

B7: “☀” Key

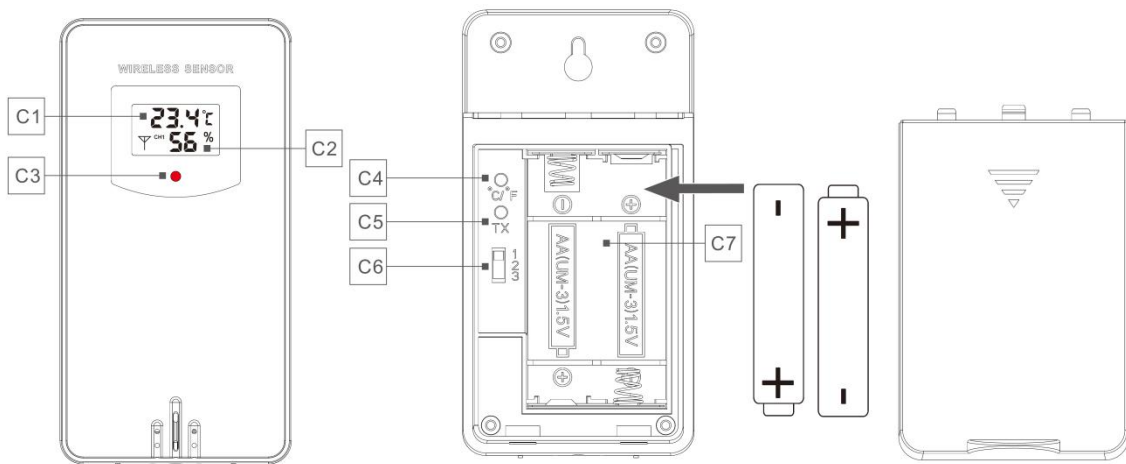
B8: “MEM” Key

B9: Alarm ON/OFF

B10: Power Port

B11: USB Port for charging or output

B12: Battery Compartment



Part C—Outdoor wireless transmitter

C1: LCD Display – Temp.

C2: LCD Display – Humid.

C3: Transmitting Indicator

C4: “°C/°F” key









C5: “TX” key for Transmission

C6: Channel Toggle

C7: Battery Compartment

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5.1 Action Charts

Functions		MODE 	+ 	- 	ALARM 	ALERT 	MEM	HPA INHG 	SNOOZE LIGHT  / 
Operations									
Standard	Press	Toggle the display of week Week display /s	Toggle temperature unit	Toggle channel <i>(Applicable to 3CH only)</i>	Toggle from date to alarm display (time/date)	On/Off OUTDOOR Temperature Alert	Check the record of temperature	In DC mode Adjust lightness of backlight	Turn backlight on and keep it for 8 seconds
	HOLD	Enter time settings	Enter RCC Reception Mode	Enter RF Long reception mode	Enter alarm settings	Enter temperature settings Alarm settings	Clear the record of temperature	Enter weather settings	Turn backlight on and keep it for 8 seconds
Time settings	Press	Confirm with the set key and toggle the item/exit	Increased in consecutive 1-interval or toggling forward the item of settings	Decreased in consecutive 1-interval or toggling backward the item of settings	/	/	/	/	Turn backlight on and keep it for 8 seconds
	HOLD	/	Continuous increment of targeted values or continuous toggling of the item of settings	Continuous decrement of targeted values or continuous toggling of the item of settings	/	/	/	/	Turn backlight on and keep it for 8 seconds
Alarm settings	Press	/	Increment in consecutive 1-interval	Decrement in consecutive 1-interval	Confirm with the set key and toggle the item/exit	/	/	/	Turn backlight on and keep it for 8 seconds
	HOLD	/	Continuous increment of targeted values	Continuous decrement of targeted values	/	/	/	/	Turn backlight on and keep it for 8 seconds
Temperature Alarm Settings	Press	/	Increment in consecutive 1-interval	Decrement in consecutive 1-interval	/	Confirm with the set key and toggle the items/ exit	/	/	Turn backlight on and keep it for 8 seconds
	HOLD	/	Continuous increment of targeted values	Continuous decrement of targeted values	/	/	/	/	Turn backlight on and keep it for 8 seconds

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Weather Settings	Press	/	Toggling forward the item of settings	Toggling backward the item of settings	/	/	/	Confirm with the set key and exit	/
	HOLD	/	/	/	/	/	/	/	/

3. Factory Settings

1. Remove the battery cover of weather station.
2. Insert the batteries, observing the correct polarity (" + " or" - ") (seeing marking)
3. Once the batteries are in places, all the icons in the LCD display will briefly light up for 3 seconds and a short signal tone will sound. Then the unit will take the measurement of indoor temperature and humidity.
4. At this time, the station tends to receive the data signals from transmitters. It will take about 3 minutes until the blinking of RF antenna symbol located on the display area of transmitters
5. Now, it is turn to install batteries for outdoor wireless transmitters. Remove the cover of battery compartment for outdoor transmitter, and insert the 2×AA batteries, observing the correct polarity (" + " or" - ") (seeing marking) .
6. When the receiver gets data from transmitter, it will enter radio controlled time reception mode.

1. Power the main unit first, and then outdoor transmitter. It is due to the fact that the main unit tends to receive the data signal given off by the outdoor transmitter. The successful signal reception should be done indoors prior to the mounting outdoor, preventing from the failure of signal reception..

4. Reception of radio signal

2. For every restart of the Weather Station, it will search for radio signal automatically, lasting for about 7 minutes, and radio icon will start to blink.
3. At 1 , 2, and 3 every night respectively, , the station will attempt to receive the **WWVB** time signal to make time very accurate. If reception attempts have been unsuccessful, (no radio icon shown in the LCD), the system will still attempt reception every an hour. But the total attempts

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will be up to 5 times. Whether successful or not, searching for **WWVB** time signal will be done at 1, 2, and 3 every night respectively. If successful at 3 am, no searching will continue at 4 am / 5 am. Otherwise, it will continue at 4 am, and so on. But anyhow the fifth is the final try.

4. Hold ▲ key for two seconds to start manual reception of **WWVB** time signal. If no reception of signal within 7 minutes, searching for **WWVB** time signal will be terminated, (no radio icon shown in the LCD).

5. Press “▲” key once to terminate searching for signal.

Attentions

- a. The blinking of radio icon indicates the start of **WWVB** time signal reception
- b. Radio icon, always "on" in the LCD, indicates the successful reception of **WWVB** time signal.
- c. The distance of the Weather Station or transmitters, it is suggested, should be at least 2.5 meters away from any interfering sources such as computer or TV sets. (Too much interference will fail signal reception)
- d. Radio signal is relatively weak in the room (such as basement or offices with concrete walls). Under extremely unfavorable conditions, place the main unit at proximity of window to better signal reception.
- e. Display screen will be black out in radio signal reception mode (regardless of power supply by adapter or other source). Press “▲” key for practical function. HOLD “▲” key to exit the reception mode.

5. Manual Time Settings

- Press shortly “🕒” key to toggle display calendar or second
- HOLD “🕒” key for two seconds to enter time setting mode

Setting sequence in this mode: 12/24 time→time zone→hour→minute→month/date or date/month → year→month→date→ end of settings

When figure in responding area starts flashing, which means that system is in the setting mode, please use “▲” and “▼” key to set the correct parameter and press “🕒” key for confirmation.

Attentions

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- Give that no operation occurs within 20 seconds in time setting mode, the Weather Station will toggle from setting mode to display mode.

6. Alarm Settings

① Daily Alarm settings

- Press shortly “🕒” key to toggle the display of calendar or alarm time
- HOLD “🕒” key for 2 seconds to enter alarm setting mode

When Hour Unit starts flashing, please use “▲” and “▼” key to set desired time, and press “🕒” key for confirmation

When Minute Unit starts flashing, please use “▲” and “▼” key to set desired minutes, press “🕒” key for confirmation, and exit the settings

Attentions

- In event of no operation within 20 seconds in alarm setting mode, the Weather Station will toggle from settings mode to display mode.

② Alarm ON/OFF

- Use “🔔” key to turn on/off alarm

LCD display “🔔” icon, indicating alarm ON

LCD “🔕” icon, indicating alarm OFF

Attentions

- Failing that no action is taken to stop the alarm, ring will last for 2 minutes. In such case, alarm will repeat automatically every the next 24 hours.
- Fade-in mode is used for alarm ring with four distinct tone frequencies.

③ Stop alarm

- Once no further alarm is desired, press any other key to stop, except for icon “🕒 / zZ”. The unit may be automatically switched to preset alarm setting









④ Snooze function

- When alarm rings, touch “🕒 / zZ” key to enter snooze function. It will ring again every 5 minutes

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7. Moon Phase

- The Weather Station is integrated with the automatic indicators of current moon phase.

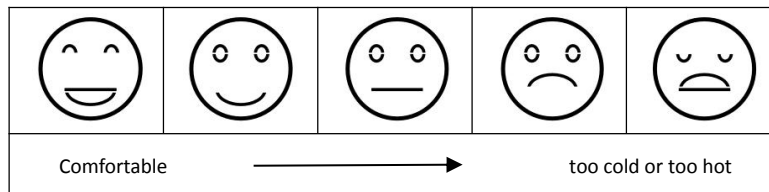
							
New moon	Waxing half-moon	Half-moon	Waxing full moon	Full moon	Waning full moon	Half-moon	Waning half-moon

8. Temperature Display in °C /°F

- Use “▲” key to toggle temperature unit between °C and °F.

9. Comfort Level Indicator

- Indoor comfort is graded in five levels according to indoor temperature and humidity.



10. Temp/Humid/Pressure Display and Trend Display of Temp/Humid

- LCD will display current indoor humidity/ pressure and indoor humidity tendency
- Once the signal of transmitter is successfully received, the Weather Station will display remote temperature and humidity tendency (remote)
- It can be shown as following:

- ↗ Temperature/ humidity up
- Temperature/ humidity unchanged
- ↘ Temperature/ humidity down

11. The Transmission of transmitter

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- Once the Weather Station receives the signal from transmitter, temperature and humidity transmitted by "sensors" will be displayed in the area of "sensors"
- More wireless transmitters, up to 3 can be used for each Weather Station. The different wireless transmitter is not allowed to share common channel. Channel (selectable among 1, 2 and 3) can be selected, by pressing "▼" key to switch among the channel for each outdoor transmitter. When symbol is displayed "↻", the Weather Station will be in mode of auto-toggling, which enable the switchover at random among the (1/2/3) every 5 seconds
- If only one transmitter is available, default channel will be channel 1. In such case, please disable the function of channel auto-switchover (by pressing "▼" key till symbol ↻ disappears, and then use "▼" key to set the same channel as transmitter) to make outdoor readings normal.
- Manual reception of transmitted signal: press "▼" key for 3 seconds to start manual data transmission if the main unit fails to receive the signals transmitted by transmitter ("--" shown in LCD). When remote temperature becomes a symbol of animated RF antenna, the base station will receive wireless signal from remote transmitter.

12. Max/Min Temperature and Relative Humidity

- Press "MEM" key to toggle indoor/ remote Max/Min humidity data,
 - Once to display Max humidity
 - Twice to display Min humidity
 - Third to restore current value
- Press "MEM" key for 2 seconds to reset Max/Min temp. and humidity. It will set current value as pre-set Max/Min.


Warmly Hint:

- Once temperature reading is below preset Min, it will display **LL.L**. Once temperature reading is above preset Max, it will display **HH.H**.

13. Remote Temperature Alarm Settings

- HOLD "🔔" key for 2 seconds till temperature alert icon starts flashing
- When temperature upper limit alert starts flashing, use "▲" and "▼" key to set the desired Max temp, press "🔔" key for confirmation



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- When temperature lower limit alert starts flashing, use “▲” and “▼”key to set the desired Min temp, press “”key for confirmation


Attentions

- Prior to setting, channel for the corresponding transmitter shall be selected and different alarm range can be defined separately.

14. Temp/ Frost Alert

- Press “”key to activate or de-activate temperature alert. And temp alert icon will be displayed in the area of remote transmitter when temp alert is active
- When the value of temperature in the remote channel exceeds the setting figure, alert is activated. The Weather Station will continuously sound alert up to 5 times every minute and the temperature alert icon will start flashing “

Attentions

- When temperature exceeds the upper limit, trigger upper limit alert, and symbol “

15. Low Battery Indicator

- If battery icon is shown “







16. Weather Forecast

- The Weather Station will update the weather forecast for next 12-hr according to tendency of pressure. The unit can, of course, provide the rough indication of current tendency, which is not as precise as that of professional meteorological services supported by satellites and high-performance computers. Weather forecast by the unit shall be considered together

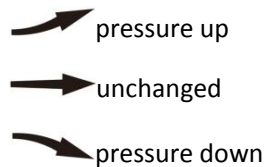
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with the local weather report service. If the information given by the unite differs from the local weather report service, the later will prevail.

- **Manual setting Barometric Pressure Unit/ weather icon**
- HOLD “☀️” key for two seconds to enter setting mode:
- When barometric pressure unit starts flashing, use “▲” and “▼” key to set unit as “hPa/mb” or “inHg”, and press “☀️” key for confirmation;
- When weather icon starts flashing, use “▲” and “▼”key to set weather condition, and press “☀️”key for confirmation.
- Weather icons will be shown in the Weather Station as following

					
sunny	slightly cloudy	cloudy	rainy	Heavy rainy	Snowy

- The Weather Station with tendency indicator of barometric pressure.
- It can be shown as following:



17. Backlight

- Display screen will be black out and enter energy-saving mode in 15 seconds when it is powered by battery. Touch unit top “☀️/ Z” to turn on backlight. Note: in battery mode, the screen cannot stay on, and the brightness adjustment is disabled.
- When the product is powered through adapter, battery will be disconnected automatically and backlight keeps on. (But it will be off in radio reception mode and turn on again when signal reception is successful.) Press “☀️” key to adjust LCD contrast in 5 levels, which are available for user to select the desired brightness or even shut-off

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Q&A

Q: Why is LCD black out even if the Weather Station is powered through adapter ?

A: RCC function is active to synchronize time. During the process of signal reception, the product enter sleep mode to avoid interference from other sources. LCD will light up when signal reception is successful.

Q: No outdoor temperature and humidity shown in the unit ?

A1: Please check if the main unit and outdoor transmitter are in the same channel. No data will be displayed in event of discrepancy;

A2: Considering the failure of signal transmission by outdoor transmitter, update the signal reception as following:

- 1) Hold "▼"key in the main unit for 3s to initial manual reception of signal from transmitter
- 2) Press "TX" key on transmitter to initial signal transmission to the main unit.

Q: Why are data of temperature and humidity inaccurate?

A: Temperature Error: $\pm 1^{\circ}\text{C}$ Humidity Error: $\pm 5\%$.

In event of excessive deviation, you are kindly requested to consult with our customer service for help: gblifebrand@gmail.com