

USB BLE T&H Recorder



DB01 User Manual

<TEMPERATURE+HUMIDITY+BLE+LED+USB>

Local/BlueTooth Beacon

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Welcome to use our device , please read this manual carefully to install and operate device exactly. This user manual is for reference only. If some contents and operation steps are inconsistent with those for the actual product, the latter will prevail.

DB01 is a Bluetooth beacon data system with temperature & humidity sensor, It can record data locally or transmit data to the host or cellphone through Bluetooth broadcast, and then upload the data to the server by the host or cellphone, It plays a significant role in logistics and cold chain, helping customers to achieve transparent management, reduce costs, ensure safety, and improve efficiency.

I. Product Features

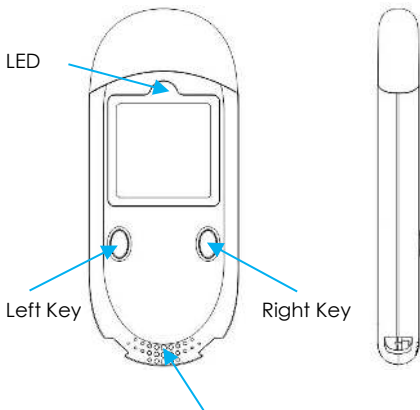
- Built-in temperature/humidity sensor
- Built-in light sensor
- Built-in acceleration sensor
- Support temperature and humidity alarm, light alarm, vibration alarm, tilt alarm, low battery alarm
- Bluetooth 5.0 broadcast, meanwhile data saved locally
- Bluetooth connection to mobile phone, send data to APP in the phone
- Connect to a Bluetooth host and send data to the server
- Export CSV data files locally via USB
- Replaceable button battery
- 120*120px LCD screen, you can view related data
- Waterproof performance grade IP65
- EELINK Beacon Protocol, compatible with Eddystone

Basic Specifications

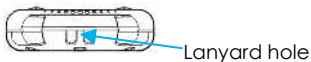
Battery Voltage	3 VDC
Battery Capacity	600mAh
Dimensions (mm)	101(L)X 42(W) X 11.5(H)
LCD size (mm)	24.58 X 24.58
LCD Resolution	120*120px
Bluetooth	BLE5.0
Temperature Arrange	-20°C~60°C
Temperature Accuracy	± 0.2 °C
Humidity Arrange	0%~100% RH
Humidity Accuracy	± 2% RH
Local Storage Capacity	54000 sets of data
Weight	42 g

II. Components and Accessories

■ Components



Temperature & Humidity & light Sensor



■ Accessories

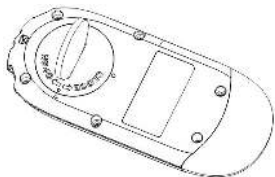
CR2450 Button Battery

Battery cover opener

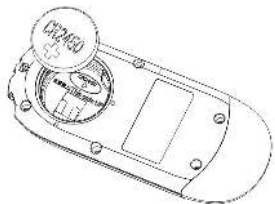
Lanyard

III. Battery Installation

Open the box and check if model is correct and accessories are complete, otherwise contact your dealer.



Twist battery cover towards OPEN with the opener



Put in battery as show, close the battery cover and tighten it

If you don't use device for a long time, please remove the battery.

IV. Button Definition

Left Button: Turn page / Start recording / Mark

Right Button: Return / Stop recording

Left Button+ Right Button: Turn on/off BLE

Operation	Not in Recording		In Recording	
	Short Press	Long Press	Short Press	Long Press
Left Button	Next Page	Start Record	Next Page	Data Mark
Right Button	Return Main Menu	View the QR Code	Return Main Menu	Stop Recording

V. Main Interface



Main page overview

1. Current temperature and humidity In the middle of screen.
2. The remaining battery capacity at the top left.
3. At top left is Open or Close Bluetooth / Bluetooth broadcasting / Bluetooth connection
4. The vertical alarm icon on the left only display when an alarm is generated.
5. Mean is the average Temperature & Humidity.
6. The bottom left icon is the recording status which will only be displayed if it is recording.
7. The Log at the bottom right is the current number of records, which will be stored circularly when it is full.














Maximum and minimum historical data



Upper and lower limit of alarm value

Icon meaning

-  Battery icon
-  Data needs to be formatted
-  Upper limit of temperature and humidity alarm
-  Lower limit of temperature and humidity alarm
-  Light alarm (display when light value exceeds the set alarm value)
-  Humidity alarm (display when humidity value exceeds the set alarm value)
-  Temperature alarm (display when temperature value exceeds the set alarm value)
-  Motion alarm (display when there is collision and tilt alarm)
-  Bluetooth broadcasting
-  Bluetooth host connected
-  Local recording

Note :

- When abnormal data is detected, the data needs to be cleared through APP to keep recording normally. At this time, the data needs to be formatted icon will appear.
- The alarm value of light sensor, humidity and temperature can be set in APP.
- When starting to record data, the local recording icon appears.

VI. LED Indicator

When an alarm is triggered, the red LED indicator flashes every second.

In recording status, when use DATA MARK function(long press left button in recording), the red LED flashes once.

VII. APP & WEB

Device can be connected to mobile phone via Bluetooth. In Keelin-Beacon APP, you can configure various parameters of the device. Historical data can be queried both on web (Beacon Cloud) and APP(Keelin-Beacon).

Parameters Configuration

Basic parameters: Collection Interval; Storage Interval; Bluetooth broadcasting interval.

Alarm setting: collision alarm, tilt alarm, light alarm.

Up and Low limits value of Alarm: temperature, humidity, light, collision and tilt alarms.

Password setting: add/modify/remove password.

Time setting: time synchronization, time zone setting.

Name setting: Bluetooth name (can be numbers, letters, symbols, no more than 8 bytes), it will take effect after modification and restart.

Other settings: Clear records, OTA, URL broadcast settings, turn on/off Bluetooth, whether to allow keys to stop recording, UID, etc.

Historical Data

The historical data is displayed in form of curves, the PDF/CSV historical files can be exported, and the alarm information will be reminded with red words and charts.

VIII. Warranty Rules

Special Statement

- 1) Technology change without notice.
- 2) If the color and appearance are inconsistent with those for the actual product, the latter will prevail.
- 3) Warranty card is only valid for devices with the following IMEI.
- 4) Please take care of the warranty card and show it with the original purchase receipts when enjoying the warranty service.

Warranty Period

Since the date of purchase, passive waste host has one year warranty.

After Sales

Any of the following circumstances not covered by the warranty, but may be

appropriate to pay repair:

- 1) More than the warranty period.
- 2) Unauthorized removal or repair damaged.
- 3) Damage caused by improper installation, use, maintenance, custody.
- 4) IMEI label is torn or Obscure.
- 5) Warranty certificate and product models do not match or warranty certificate be altered.
- 6) Damage caused by force majeure.