

# User Manual

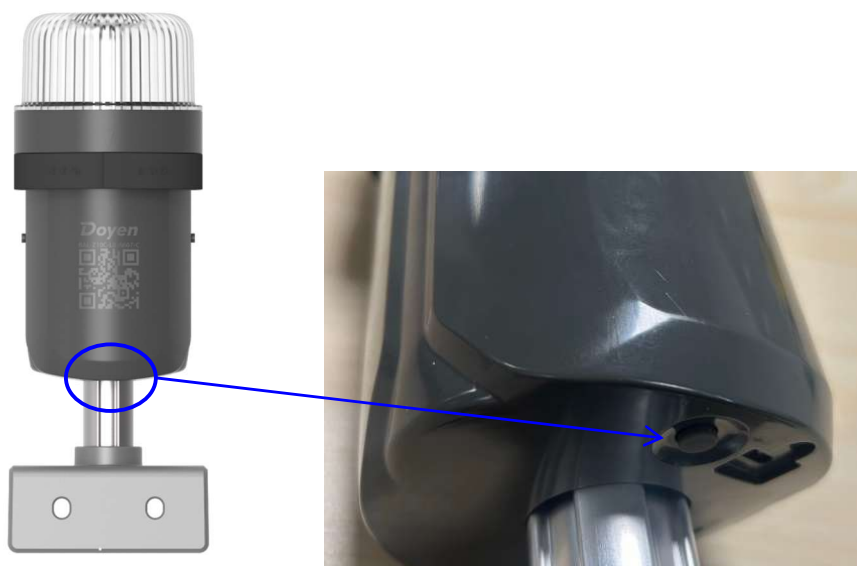
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# 1. RESTART AND RESET Operation

## 1.1 The activation of the Beacon

When used for the first time, the Beacon must be activated first.



| Function | Light Color                                                                                                                                                                            | Operations & Status                                                                                                                                                                                                                                               |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Activate | Red & Green<br>  | <b>Operate:</b> Press and hold the bottom button of beacon for more than 3s.                                                                                                                                                                                      |
|          |                                                                                                                                                                                        | <b>Light Status:</b> The red and green lights flash alternately, with the red light on for 0.2s and the green light on for 0.2s.                                                                                                                                  |
|          |                                                                                                                                                                                        | After releasing the button, the light will stay solid on in the sequence of red, green and blue for 3 seconds each before turning off, then the activation is initiated.<br>After the activation is successful, it automatically enters the network access state. |

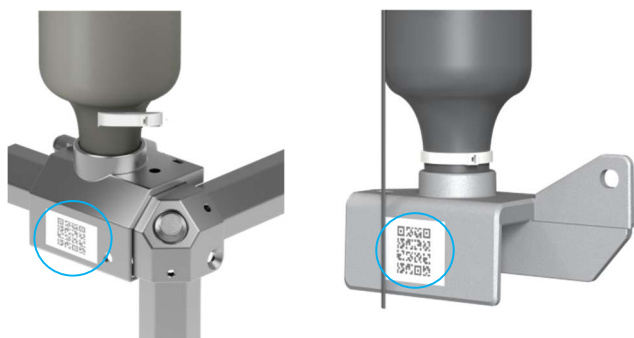
## 1.2 Restart Operation

| Function | Light Color                                                                                                                                                                           | Operations & Status                                                                                                             |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Restart  | Red & Blue<br>  | <b>Operate:</b> Press and hold the bottom button of beacon for more than 3s.                                                    |
|          |                                                                                                                                                                                       | <b>Light Status:</b> The red and blue lights flash alternately, with the red light on for 0.2s and the green light on for 0.2s. |
|          |                                                                                                                                                                                       | After releasing the button, the light turns off, the restart is initiated.                                                      |

### 1.3 Reset Operation

| Function | Light Color                                                                                                   | Operations & Status                                                                                                                                           |
|----------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Activate | <div>Red &amp; Green</div> <div><span style="color: red;">●</span> <span style="color: green;">●</span></div> | <b>Operate:</b> Perform two consecutive 3-second long presses. Complete the second operation within one minute after the first operation restarts the device. |
|          |                                                                                                               | <b>Light Status:</b> The red and green lights flash alternately, with the red light on for 0.2s and the green light on for 0.2s.                              |
|          |                                                                                                               | After the reset is successful, it automatically enters the network access state.                                                                              |

## 2. Scan to Bind



After installing the Beacon, bind the Beacon and the Cart or other locations and targets that require binding by scanning the QR codes on both the Beacon and the targets.

## 3. Instruction for Indicator Light Configuration

The indicator light can be configured via the client software. For detailed instructions, please refer to the API document. Note that white light is not supported.

## 4. Instructions for Charging Indicator Light Status

| Function         |                    | Light Color                                     | Operations & Status                                                               |
|------------------|--------------------|-------------------------------------------------|-----------------------------------------------------------------------------------|
| Battery Charging | Charging Process   | Yellow<br><span style="color: yellow;">●</span> | <b>Operate:</b> When the charging power is connected and the battery is charging. |
|                  |                    |                                                 | <b>Light status:</b> The yellow light blinks with 200ms on and 9.8s off.          |
|                  | Charging Completed | Green<br><span style="color: green;">●</span>   | <b>Trigger condition:</b> Fully Charged.                                          |
|                  |                    |                                                 | <b>Light status:</b> The green light stays on for 3s and then turns off.          |

|  |                      |                                                                                                                                                                                     |                                                                                                                                                                                                                 |
|--|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Charging<br>Abnormal | Red & Yellow<br>  | <b>Trigger condition:</b> When the battery has been abnormally damaged.<br><b>Light status:</b> The red and yellow lights flash alternately, with the red light on for 200ms and the yellow light on for 200ms. |
|--|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 5. Abnormal State

### 5.1 Low Battery Reminder

The low battery reminder is divided into three levels with different alert mechanisms based on battery status. When the low-battery reminder is activated, please charge it soon.

| Function                |              | Light Color                                                                              | Operations & Status                                                    |
|-------------------------|--------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Low Battery<br>Reminder | Below<br>20% | Red<br> | <b>Light Status:</b> The red light blinks with 500ms on and 2s off.    |
|                         | Below<br>10% | Red<br> | <b>Light Status:</b> The red light blinks with 100ms on and 900ms off. |
|                         | Below 5%     | /                                                                                        | <b>Light Status:</b> The red light blinks with 100ms on and 900ms off. |
|                         |              |                                                                                          | The system will not respond to work commands.                          |

### FCC Regulation

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.

### FCC Supplier's Declaration of Conformity

Brand name / model number: LEEDARSON/AB21-1LBN

Responsible Party: Leedarson America, Inc. 300 Technology Court SE Suite 100, Smyrna, GA 30082 1-678-293-8382

Note: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications 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 A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

Pour se conformer aux exigences de conformité CNR 102 RF exposition, une distance de séparation d'au moins 20 cm doit être maintenue entre l'antenne de cet appareil et toutes les personnes.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.