

Waterproof help button

# AIRE Mate202 User Manual

Revision: 1.00

<b>Document Title</b>	<i>AIRE Mate202 User manual</i>
<b>Version</b>	<i>1.00</i>
<b>Finale Date</b>	<i>2020-12-26</i>
<b>Status</b>	<i>Released</i>
<b>Document Control ID</b>	<i>Pendant AIRE Mate202</i>

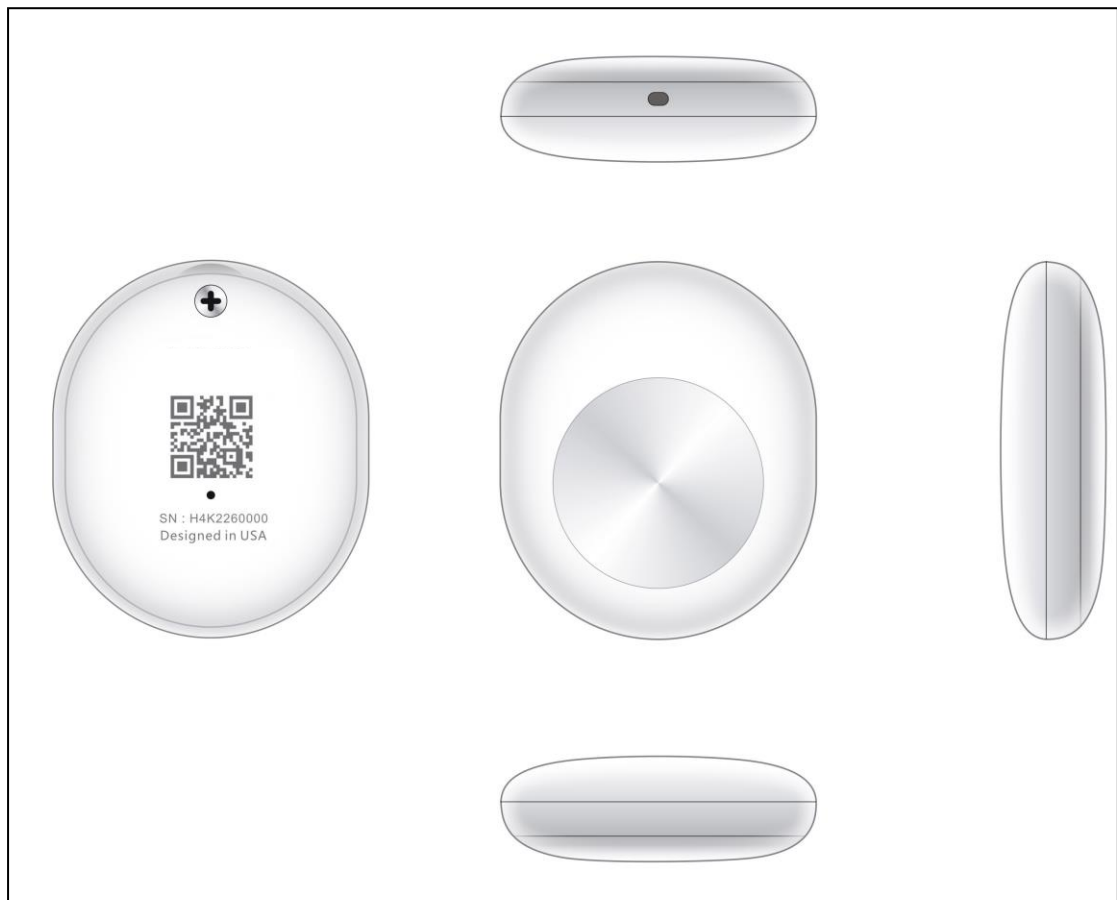
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# 1 Introduction

AIRE Mate202 is a 433 Pendant which is designed as accessory for Emergency call equipment. It works on 433 protocol .It will send 433 signal After the SOS button being press . The LS100 device which receiver the 433 signal will dial a emergency call.

## 2 Product Overview



### 2.1 Appearance

Figure 1-1

## 2.2 Buttons Interface Description

Button /USB Interface Description	
KEY/interface	Description
SOS Key	short press for 1 second then send 433 data.
	long press for 10 seconds then send version number and battery voltage data.

## 2.3 LED Description

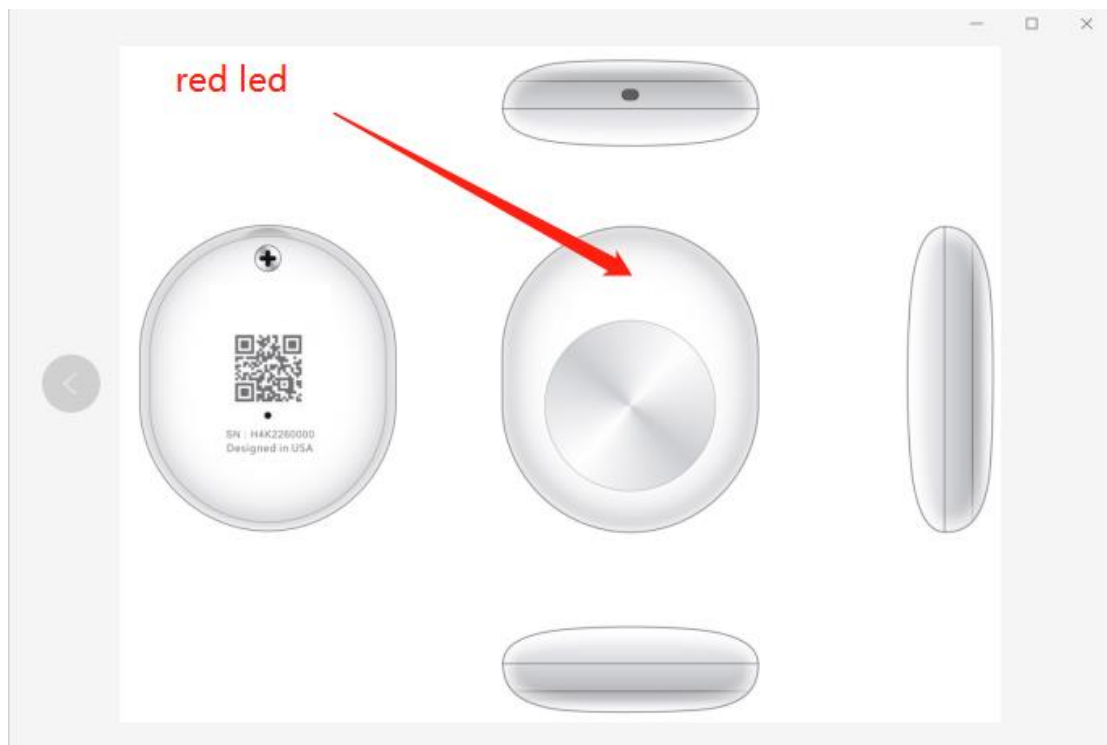


Figure 1-2



There are 1 LED lights in AIRE Mate202 device, the description as following.

Light	Event	State
	Normal	Dark
		Solid for 4 times mean battery voltage more then 3.1v

RED LED	Power on	Solid for 3 times mean battery voltage more then 3v
		Solid for 2 times mean battery voltage more then 2.9v
		Solid for 1 times mean battery voltage less then 2.9v.need to change battery
	SOS key was short pressed for 1 second	Solid for 4 times

### 3 Getting Started

#### 3.1 Parts List

Name	Picture	Remark
LS100 Base Station		The LTE Base Station. will dial a emergency call when receiver the pendant 433 signal.
AIRE Mate202 Pendant		The Pendant will send 433 signal to the base station

## 3.2 Built-in Battery

*The following items are suggestion for built-in battery usage, please pay more attention.*

- ◆ The device is a pendant ,which is designed to be used with LS100 Base station .
- ◆ There is a button battery(CR2430) integrated in device. The Pendant will automatically power on when the button battery is assembled .

## 3.3 LS100 Base station

The LS100 base station is a LTE/CAT1 emergency call device which could be used to response to the 433 data sending from the PD002 Pendant by custom protocol .

The adapter is used for device power on, built-in battery charging , which should be plugged in power supply socket at any time ( by end user).



Figure 2-1

### 3.4 Power on/Power off



Figure 2-2

Power on:

- ◆ The Pendant will automatically power on when the button battery is assembled .

Power off:

- ◆ UnPlugged the button battery.

Note: the user can change the button battery when the battery is dead.

## 4 Frequency

433:433.92MHz

## 5 Trouble shooting and Safety info

### 5.1 Trouble shooting

Trouble	Possible Reason	Solution
Unable to power on AIRE Mate202.	The battery run out or dead.	change the button battery(CR2430)
Beacon broadcast data can not be received	The PD002 is not in the <white number list>	Add the SN of AIRE Mate202 in the <white number list> of LS100 by custom protocol

### 5.2 Safety info

*The following items are suggestion for safety use, please pay more attention.*

- ◆ Please do not disassemble the device by yourself.

- ◆ Please do not put the device on the overheating or too humid place, avoid exposure to direct sunlight. Too high temperature will damage the device or even cause the battery explosion.
- ◆ Please do not use Prime PD002 on the airplane or near medical equipment.

## **FCC Caution.**

### **§ 15.19 Labelling requirements.**

1. 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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

### **§ 15.21 Information to user.**

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

### **§ 15.105 Information to the user.**

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

Specific Absorption Rate (SAR) information:

This mobile phone meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

FCC RF Exposure Information and Statement the SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. This device was tested for typical body-worn



operations with the back of the handset kept 0cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 0.5cm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

#### Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 0cm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.

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### **IC Warning**

This device complies with Industry Canada's licence-exempt RSSs. 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.

Le présent appareil est conforme aux CNR d'Industrie 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, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The information listed above provides the user with information needed to make him or her aware of a RF exposure, and what to do to assure that this radio operates within the FCC exposure limits of this radio.

The device complies with RF specifications when the device used at 0mm from the body. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.

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