

BLE Pendant

AIRE Mate100 G User Manual

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1 Introduction

AIRE Mate100 G is a BLE Pendant which is designed as accessory for Emergency call equipment. It works on BLE protocol .It will report Beacon broadcast data by custom protocol After the SOS button being long press for 3 seconds. The AIRE100V device which receiver the Beacon broadcast will dial a emergency call.

The G-sensor function will be activated and report Beacon broadcast data by custom protocol once the device is in alerting state. The BLE function will be activated and scan the third-party BLE data or Beacon broadcast by custom setting or protocol.

2 Product Overview

2.1 Appearance



Figure 1-1

2.2 Buttons Interface Description

Button /USB Interface Description	
KEY/interface	Description
SOS Key	long press for 3 seconds then report Beacon broadcast data.
	long press for 10 seconds then reboot the device.

2.3 LED Description





Figure 1-2

There are 3 LED lights in AIRE Mate100 G device, the description as following.

Light	Event	State
RED LED	Normal	Dark
	Power on	Solid for 1 second
	SOS key was long pressed for 3 seconds	Solid for 2 seconds
Green LED	Normal	Dark
	Power on	Solid for 1 second
Blue LED	Normal	Dark
	Power on	Solid for 1 second
	During the progress of OTA	Flash every 5 seconds

3 Getting Started

3.1 Parts List

Name	Picture	Remark
AIRE100V Base Station		The LTE Base Station. will dial a emergency call when receiver the Beacon broadcast.
AIRE Mate100 G Pendant		The Pendant will report Beacon broadcast data by custom protocol .

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 AIRE100V Base station .
- ◆ There is a button battery(CR2450) integrated in device. The Pendant will automaticly power on when the button battery is assembled .

Note: If the AIRE Mate100 G device is firstly used, please make sure the adapter of the device is plugged in the power supply socket.

3.3 AIRE100V Base station

The AIRE100V base station is a LTE/CAT1 emergency call device which could be used to response to the Beacon broadcast data sending from the PD001 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

BLE:2402-2480MHz

5 Trouble shooting and Safety info

5.1 Trouble shooting

Trouble	Possible Reason	Solution
Unable to power on AIRE Mate100 G.	The battery run out or dead.	change the button battery(CR2450)
Beacon broadcast data can not be received	The PD001 is not in the <white number list>	Add the SN of PD001 in the <white number list> of AIRE100V 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 AIRE Mate100 G on the airplane or near medical equipment.

FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

(1) This device may not cause harmful interference, and(2) This device must accept any interference received, including interference that may ause 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.

RF warning for Portable device:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

ISED RSS Warning:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and (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'ISED 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.

ISED RF exposure statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. The device has been evaluated to meet general RF exposure requirement.

Le matériel est conforme aux limites de dose d'exposition aux rayonnements énoncés pour un autre environnement. ce dispositif a été évalué à satisfaire l'exigence générale de l'exposition aux rf.