ENJOYOR

Dual frequency module Quick Start Guide

Model: E-US400D

01 (2020-03-30)

1 Packing List

Name	Quantity	Unit
·Dual frequency module	1	PCS
·USB cable 1(length 310 mm)	1	PCS
·USB cable 2(length 60 mm)	1	PCS
·Mounting bracket	1	PCS
·M3.9X30 Screw	2	PCS
·M3X4 Screw	1	PCS
·Dual frequency module Quick Start Guide	1	PCS
·Certificate of quality	1	PCS
·Warranty card	1	PCS

2 Safety Guidelines

Observe all safety regulations and precautions

• Before you start the installation procedure, read all safety precautions described in this document and observe any warning labels affixed to the equipment. Safety precautions provided may not cover every eventuality, so remain mindful of safety at all times.

• Follow all the safety precautions and instructions provided by ENJOYOR. The safety precautions outlined in this document are only those that ENJOYOR can predict. ENJOYOR is not liable for any consequence that results from violation of regulations pertaining to safe operations or safety codes pertaining to design, production, and equipment use.
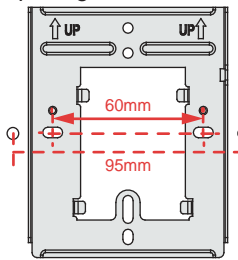
3 Site Environment

• Install the RFID Card in an environment free of high temperature, dust, unstable voltage, vibration, strong noise, and noxious, flammable, or explosive gases or smoke, as well as free of interference sources such as large radar stations, radio stations, and electrical substations.

• Install the RFID Card in a dry environment away from sources of water, and take protective measures to prevent water from flowing into the equipment along the cable.

• Install the RFID Card in a hidden place and ensure that the AP does not disturb daily work or life of residents.

• Make the engineering design by fully considering such factors as hydrology, geology, earthquake, electric power, and traffic. The selected site should comply with the environment design specifications of communications equipment.
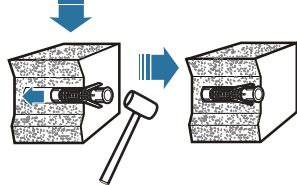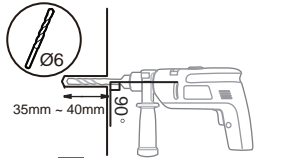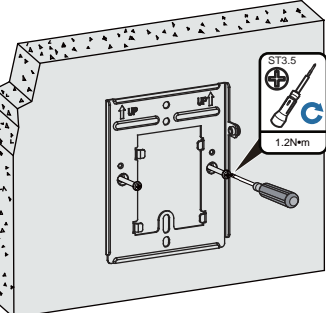
4 Installing Dual frequency module

Wall Mountin

1 Attach the mounting bracket against the wall and adjust its position properly. Mark position of the mounting holes with a marker,as shown in the following figure. Hole spacing: 60mm or 95mm.

2 Use a 6 mm drill bit to drill 35mm 40mm deep holes in the drilling positions. Hammer the expansion tubes into the holes until the expansion tubes are completely embedded into the wall.
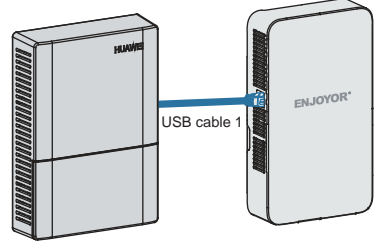

3 Fix the mounting bracket to the wall and use the Phillips screwdriver to fasten two expansion screws into the expansion tubes.
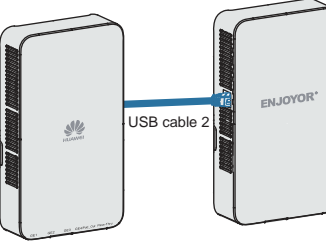

AP7052DN installation method

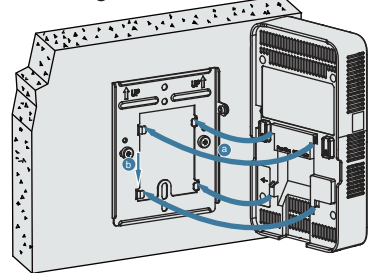4 USB cable connecting.

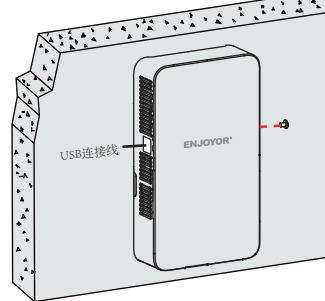R250D-E installation method   R251D-E installation method

📖NOTE

Because USB cable 2 is hard wired, it is necessary to remove r251d-e and connect it with dual frequency module, and then install it on the backplane at the same time.

5 Align the grooves on the bottom cover of the device with the protection gaps on the mounting bracket.Slide the device downwards to hang the the device on the mounting bracket.

6 If torx security screws are used to prevent theft,use a T9 torx security screwdriver to tighten the torx security M3x4 screws into the device.With a tightening torque of 0.15 N•m.

📖NOTE

You need to separately prepare a T9 torx security screwdriver.

5 LED States

Name	Indicator colo	State	Describe
System LED	Green	Always	Powered on
	Green	Slow blink(0.5Hz)	Normal work of the system
	Red	Slow blink(0.5Hz)	Receiving and sending

6 Specification Parameter

Size(H x L x W)	32 mm x 86 mm x 150 mm
Power Consumption	<2.5 W
Communication Type	USB Port
Signal Modulation	GFSK
Frequency	433 MHz
Typical sensitivity	-100 dBm
Communication Distance	0 m to 15 m
125KHz Location Distance	<4 m
Power Port	USB Port
UART Port	USB Port
LED Number	1 pcs
Operating Temperature	-10 °C to +85 °C
Operating Humidity	5 % to 95 %
Storage Temperature Range	-40 °C to +70 °C（with package）

www.enjoyor.net

☎0571-8993 0384

CE Caution:

Use the Product in the environment with the temperature Between -10℃ and 40℃; Otherwise, it may damage your product. Products can only be used below 2000m altitude

For the following equipment:

Product Name: Dual Frequency Module

Brand Name: --

Model No.: E-US400D

Zhejiang Zhier Information Technology Co., Ltd.

E-mail: qiliping@enjoyor.net

This product is intended for sale and application in a business environment.

RED Article 10 2

-This product can be used across EU member states

RED Article 10 10

-The product is class 1 product, No restrictions

Frequency Range: 433.8MHz(Receiver Only)

Frequency Range: 125kHz

Radiated H-Field: 61.69dBuA/m(@3m)

FCC Warning

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.

NOTE 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.