

Cardiac radar Handheld Module User Manual

The cardiac radar can collect the patient's cardiac signals in real-time, analyze the acquired waveform data, generate gating trigger signals based on set thresholds, and then transmit the waveform data and trigger signals via the Bluetooth module. Inside the scanning room, users can view ECG information on the data display panel. In the control room, users can check ECG information in the Physiological Signal Display area of the examination interface.

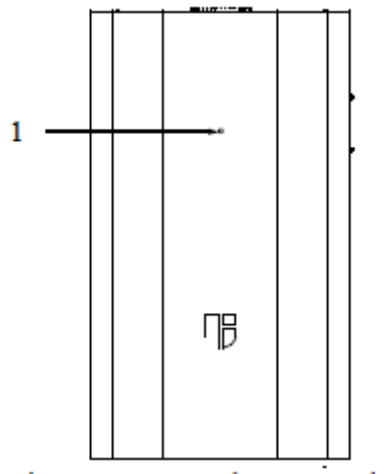


Figure 1 Work Status Indicator

1. Work status indicator

Category	Indicator Status	Description
Work status indicator	Red steady	Battery level below 20% and wireless connected
	Red flashing	Battery level below 20% and wireless not connected
	Green steady	Battery level above 20% and wireless connected
	Green flashing	Battery level above 20% and wireless not connected

Using the Cardiac Radar

1. Place the Cardiac Radar antenna blanket over the patient's chest. If used with a coil, the coil can be placed on top of the Cardiac Radar antenna blanket.

2. Press and hold the power key to turn on the system, wait for the work status

indicator to light up steadily.

3. Briefly press the power key, the Cardiac Radar will automatically select the optimal cardiac channel. The cardiac signal will be displayed in the Physiological Signal Display area of the data display panel or examination interface.

Next step:

After the scan is completed, press and hold the power key to turn off the system.

Parameters of wireless communication

Parameter	Value
Model	uCORDM
Operating frequency range(s)	2410MHz~2475MHz
Transmit power	≤10mW (e.i.r.p)
Type of modulation	GFSK
RF channel spacing (kHz)	5MHz
Operation Voltage	DC 3.7V
Number of channels	14
Operating Temperature Range	15℃~30℃
Data Rate	2Mbps
Antenna Type	Antenna PCB
Antenna Gain	2.0dBi

Contact information

Manufacturer: Shanghai United Imaging Healthcare Co., Ltd.

Address: 2258 Chengbei Rd., Jiading District, Shanghai, 201807 China

European Representative: Obelis S.A

Address: Boulevard Général Wahis 53, B-1030 Brussels, BELGIUM.

In case of any problem, please contact UIH Service Center.

Shanghai United Imaging Healthcare Co., Ltd.

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E-mail: services@united-imaging.com

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EU Declaration of Conformity

for

RED Directive 2014/53/EU

We, Shanghai United Imaging Healthcare Co., Ltd.

hereby, declare that the essential requirements set out in the **RED Directive 2014/53/EU** have been fully fulfilled on our product with indication below:

Product Name: Wireless CR_Module

Brand Name: 

Model No.: uCORDM

The following standards have been applied for the investigation of compliance:

Health& Safety:

EN 62479: 2010

EN 50663: 2017

IEC 62368-1:2018

EN IEC 62368-1:2020+A11:2020

CSA/UL 62368-1:2019

Radio:

ETSI EN 300 328 V2.2.2 (2019-07)

EMC:

ETSI EN 301 489-1 V2.2.3 (2019-11)

ETSI EN 301 489-3 V2.3.2 (2023-01)

ETSI EN 301 489-17 V3.3.1 (2024-09)

And apply notified body assessment:

Notified Body number 1177

IIA Lab Services, LLC

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USA

Software Version:	V01R00P00B05_20250925
Hardware Version:	V01
System Components	
Component 1	N/A
Optional Components	
Optional 1	N/A

Furthermore, the ISO requirement for the in-process quality control procedure as well as the manufacturing process has been reached. The technical document as well as the test reports will be kept for a period at least 10 years after the last product has been manufactured at the disposal of the relevant national authorities of any Member State for inspection.

Detail contact information for this declaration has been listed below as the window of any issues relevant for this declaration.

Manufacturer Contact

Company: Shanghai United Imaging Healthcare Co., Ltd.

Address: No.2258 Chengbei Road, Jiading District, Shanghai, 201807

P.R.China Name/Title: Xin GAO / Regulatory Affair Manager

E-Mail: xin.gao@united-imaging.com



Signature

Date

FCC Compliance Statements

§ 15.19 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.

§ 15.21 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 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 Exposure Compliance

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