€ 0598

JUMPER User Manual

Fetal Doppler

Model: SHA20

Manual Version: 3.0 Issuing Date: 2024.4

Thank you for purchasing the Fetal Doppler made by Jumper Medical Before using the product, read this manual carefully and operate the product as specified in this manual.

SECTION 1: INTRODUCTION

1.1 PACKING LIST

Main unit \times 1: Battery AA×2; Coupling agent ×1 (Optional); User manual × 1.

1.2 PRODUCT DESCRIPTION

The product is mainly used to detect the sound of the fetal heartbeat (SFH). Fetal heart rate (FHR) is important basis for checking whether a fetus is healthy. Recording the changes in FHR helps detecting signs of fetal hypoxia, fetal distress, fetal umbilical cord around neck, and so on. Fetal monitoring at home mainly includes listening to fetal heartbeat and checking FHR changes, which help greatly increase fertility safety.

1.3 OPERATING PRINCIPLE

Based on the Doppler's principle, a 3.0MHz ultrasonic probe is used to capture fetal heart signals from the belly of a pregnant woman. After signal processing of the backend circuit, Fetal heart signals are output to speakers to play sound.;audio signals are wirelessly sent by using the built-in Bluetooth module. A smartphone that has connected to the product receives the data and calculates and displays fetal heart rate information by using specified mobile phone software

FCC ID:2ADYL-SHA20

SECTION 2: SAFETY GUIDANCE 2.1 INTENDED USE

The Fetal Doppler SHA20 is a hand-held, battery powered audio Doppler device used for detecting fetal heartbeats. The patient is an intended operator. 2.2 INDICATIONS FOR USE

- The product is normally applied to fetus above 12 weeks growth, difference in pregnant mater.
- · Listen to SFH: Operator can listen to the sound of fetal heartbeat from the speaker.
- · Audio record: The sound of fetal heartbeat can be recorded by APP

CAUTION: It should not be used in life supporting or life sustaining applications.

2.3 CONTRAINDICATIONS FOR USE

The device has no side-effects if administered correctly and residual risk is acceptable

2.4 NOTE FOR HOME USE

This device cannot replace a professional fetal monitor. If the fetal heart rate is abnormal or cannot be located by using this monitor, pregnant woman should immediately go to the hospital to seek the doctor's help. If fetal movement is not felt by the pregnant woman, immediately go to the hospital to seek the doctor's help.

2.5 SAFETY TERMS AND CONDITIONS

The signal words shown below left, identify the potential hazard categories. The definition of each category is as follows:

DANGER: This alert identifies hazards that will cause serious personal injury or death

- Â WARNING: This alert identifies hazards that may cause serious personal injury or death.
- CAUTION: This alert identifies hazards that may cause minor personal injury, product damage, or property damage.

2.6 SAFETY ALERT DESCRIPTIONS

The following is a list of product safety alerts that appear in this section and throughout this manual. You must read, understand, and pay heed to these safety alerts before attempting to operate the product.

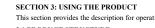
- **DANGER:** Fire and Explosion Hazard
 - Do not operate the product in the presence of flammable gases to avoid possible explosion or fire hazard.
 - WARNING: Strangulation resulting from baby or child
 - entanglement in monitoring cables. entanglement in monitoring cables. WARNING: Do not modify this equipment without authorization of the manufacturer. WARNING: Dust, light may affect the safety and performance of
 - the instrument WARNING: Degraded sensors and electrodes, or loosened
 - electrodes, that can degrade performance or cause other problems.
 - WARNING: The effects caused by pets, pests or children
- WARNING: Use only Approved Equipment
 - Do not use batteries, gel, cables, or optional equipment other than those approved by manufacturer which may cause the product to function improperly during a rescue.
 - WARNING: Adjacent and/or Stacked Equipment
 - The Product should not be used adjacent to or stacked with other equipment. If adjacent or stacked use is necessary, the Product should be observed to verify normal operation in the configuration in which it will be used.
 - **CAUTION:** Check that the equipment does not have visible evidence of damage that may affect personnel's safety or examining capability before use. If damage is detected, replacement is
 - recommended. CAUTION: The surface of the probe in contact with the patient
 - may cause discomfort due to biocompatibility issues. The coupling agent may cause skin allergies in users. If the patient experiences any discomfort or allergic reactions, usage should be immediately discontinued and medical attention sought if necessary.
- CAUTION: Do not wrap the probe wire to avoid suffocation.
 - CAUTION: Don't touch patient, power port ,and probe at the same time
 - CAUTION: This product is not recommended for use on ships and aircraft.
 - CAUTION: Please keep the Fetal Doppler and batteries out of the reach of children to prevent them from playing with them. In the event that a child accidentally swallows a battery, seek immediate medical attention.
 - CAUTION: Temperature/Humidity/Pressure extremes Exposing the Product to extreme environmental conditions outside
 - of its operating parameters may compromise the ability of the Product to function properly.
 - CAUTION: Battery Disposal
 - Recycle or dispose of the battery in accordance with the local laws. To avoid fire and explosion bazard, do not burn or incinerate the
 - battery.
 - CAUTION: Possible Radio Frequency (RF) Susceptibility RF susceptibility from cellular phones, CB radios and FM 2-way radio may cause interference with the product. Do not operate wireless radiotelephones in the vicinity of the Product - turn power OFF to the radiotelephone and other like equipment near
 - the Product.
 - CAUTION: Systems Statement Equipment connected to the product must be certified to the
 - respective IEC Standards (IEC 60601-1 for medical equipment).
 - CAUTION: Case Cleaning Solutions

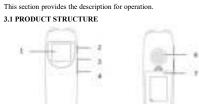
- When disinfecting the case, use a non-oxidizing disinfectant, such as ammonium salts or glutaraldehyde based cleaning solution, to avoid damage to the metal connectors.
- CAUTION: Environment of use
- The product is designed for indoor use. Operator must confirm that the environment of use meets the required operating environmental specifications before using.
- CAUTION: Cold Environments
 - If the product is stored in an environment with a temperature below the operating temperature, the unit should be allowed to warm up to the needed operating temperature before using.
- CAUTION:Do not use the device with HF surgical equipment.

2.7 SYMBOL DESCRIPTIONS

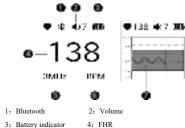
The following symbols may appear in this manual, on the product, or on its accessories. Some of the symbols represent standards and compliances associated with the product and its use.

| associated with the product and its use. | | | |
|--|---|--|--|
| 60 | Consult instructions for use of the product and/or its accessories. | | |
| MD | Medical Device | | |
| | Warning Information. | | |
| EC REP | Authorized Representative in the European Community. | | |
| C € 0590 | This product complies with the Regulation (EU) 2017/745 requirements. | | |
| ~~ | Date of manufacture. | | |
| ليبيد | Manufacturer information. | | |
| ★ | type BF applied part | | |
| SN | Specifies serial number of the Product | | |
| LOT | Batch code | | |
| 6 | The environmental protection use period is 5 years. | | |
| IP22 | Degree of protection against ingress of water and particulate matter. | | |
| E | It indicates that the equipment should be sent to the special agencies according to local regulation for separate collection after its useful life. | | |
| X | Storage Temperature | | |
| S | Humidity | | |
| ø | Atmospheric Pressure | | |





| : | TFT Display | 2: | Power/Mode button | | | |
|----|----------------------|----|--------------------|--|--|--|
| : | Volume up button | 4: | Volume down button | | | |
| : | Ultrasonic probe | 6: | Speaker | | | |
| : | Battery compartments | | | | | |
| .2 | 2 INTERFACE DISPLAY | | | | | |



5: Ultrasonic frequency 6: Beat per minute 7: The curve of FHR

3.2.1 Power on/off

Power on: Press and hold 🛄 button for about 2s and the screen lights up, and the device is powered on. In power on state, short press [] button to switch the display mode.

Power off: In the power-on state, press and hold 1 button for about 2s, the screen goes out, and the device is powered off.

3.2.2 Volume adjustment button While monitoring, the volume increases by press "+" button, and the volume

decreases by press "-" button. There are 7 volume levels. 3.2.3 Icons

T: In curve mode, when a heartbeat is detected, the fetal heartbeat symbol will light up and flash with the heart rate. In value mode, this symbol signifies the quality of the detected fetal heart signal. Three stars represent the best signal quality, while zero stars indicate that no fetal heartbeat signal was detected. It is important to follow the correct method to locate the optimal fetal heart position.

The number next to the volume symbol indicates the volume and can be adjusted from 0-7.

. When the icon displays in red . it means that the battery is about to run out and needs to be replaced in time.

E: The bluetooth icon is green when the bluetooth is connected, and is white when disconnected.

3.3 USING PRODUCT TO DETECT

Locate the position of the fetus by hand touching, firstly to find out the best direction to the fetal heart. Place the faceplate of probe at the best position for detecting fetal heartbeat. Adjust the transducer to obtain an optimum audio signal ideally by angling the transducer around. Generally, the site of heart of fetus is 1/3 below of navel line at its earlier stage, it then moves upward with increasing of gestational period, and the site of heart of fetus will be a little deviation to left or right with different fetuses. Please make sure that the surface of the probe should be fully contacted with the skin. After the sound become clear, it is the proper functioning. If no coupling gel, water can be used.

Note: The normal range of fetal heart rate is 110 bpm-160 bpm. During measurement, values are displayed in white within the normal range and in red when they are out of range.



3.4 CONNECTING THE INSTRUMENT TO THE SMARTPHONE VIA BLUETOOTH

Software Downloading:

1.Download and install the mobile phone APP software "JUMPER Health" by scanning the QR code on the packing box or searching for the APP in application stores such as APP Store/Google Play.

2. This software supports IOS 7.0 and later versions, and Android 4.3 and later versions. In addition, hardware of the smartphone needs to support Bluetooth 40

Bluetooth connection:

Start "JUMPER Health" on the smartphone, turn on the smartphone's Bluetooth function to search for the Bluetooth signal and pair the device. Software Usage:

Detailed see software operation manual of JUMPER Health.

SECTION 4: MAINTENANCE & CLEANING AND DISINFECTION 4.1 MAINTENANCE

4.1.1 The transducer acoustic surface is frangible and must be handle with care .Gel must be wiped off from the transducer after use. These precautions will prolong the life of the unit.

4.1.2 To ensure the product is always functional when required, the following maintenance shall be performed.

Manufacturer will make available on request circuit diagrams, component part

lists, descriptions, calibration instructions ,or other information that will assist

The following cleaning products may be used to clean the exterior surfaces of

• Quaternary ammonium compounds (such as Lysol) (10% solution in water).

WARNING: Do not use abrasive cleaners or strong solvents such as acetone

WARNING: Do not use mixing disinfecting solutions (such as bleach and

WARNING: Do not clean electrical contacts or connectors with bleach.

2.Before cleaning, remove all adherent soil (tissue, fluids, etc.) and wipe

thoroughly with a cloth dampened with water before applying the cleaning

3.When cleaning, do not immerse. Keep the exterior surface of the device

clean and free of dust and dirt, clean exterior surface of the unit with a dry,

soft cloth, if necessary, clean it with a soft cloth soaked in a solution of soap

and wipe dry with a clean cloth immediately. Wipe the transducer body with

CAUTION: To prevent damage to the product, do not clean any part

of the Product or Accessories with phenolic compounds. Do not use

abrasive or flammable cleaning agents. Do not steam, autoclave, or

soft cloth to remove any remaining coupling gel .Clean with soap only.

- Visual Inspection
- · Clean the product and its accessories

· The product requires no calibration.

to service personnel in parts repair.

the product.

solution

· Mild soap and water

or acetone-based cleaners

· Remove the battery if it is not used for a long time.

4.2 CLEANING PRODUCT AND ACCESSORIES

• Isopropyl alcohol (70% solution in water)

ammonia) as hazardous gases may result.

4.3 CLEANING INSTRUCTIONS

1. Before cleaning the product, turn off the product.

gas-sterilize the Product or accessories.

Note: No service and maintenance while the equipment is in use.

Sodium hypochlorite (chlorine bleach) (3% solution in water).

WARNING: Do not use acid, alkaline, or corrosive detergent.

· Check the battery fuel gauge · Test product performance

CAUTION: Cleaning liquids: do not submerge the product in liquids or pour cleaning liquids over, into or onto the product.

44 DISINFECTION

Cleaning the unit surface and the transducer as the above mentioned, then wipe the surface of transducer with 75% ethanol or alcohol, clean the transducer surface with a dry, soft cloth.

WARNING: Don't use low temperature steam sterilization or other way to sterilize After cleaning or disinfection, check if the Doppler function well. If any

WARNING: Don't use high temperature sterilizing process.

problem is detected, please contact the manufacturer for service before reusing them. Visual Check: Check if the Doppler probe and host are damaged;

Function Check:

1. Check if the Doppler can be switched on or off properly;

2. Check if the TFT works normally;

3. Rub the surface of the probe with your hand to check if the Doppler is producing sound properly

SECTION 5: SPECIFICATIONS & TROUBLESHOOTING

This section presents the specifications and safety standards of the Product. 5.1 SPECIFICATIONS

Note: The following specifications are subject to change and are only noted as a point of a only noted as a point of reference.

Technical Specifications

| Acoustic working frequency: 3.0MHz±5% |
|---|
| Overall sensitivity (200 mm off the probe surface): not lower than 90 dB |
| Spatial-peak temporal-peak acoustic pressure: < 0.1 Mpa |
| Ultrasound output power: ≤ 20mW |
| FHR display range: 50 – 210 bpm |
| Resolution: 1 bpm |
| Precision: ± 2 bpm |
| Curve display range: 90 – 190 bpm |
| Battery: AAx2 |
| Work mode: continuous (The device can work continuously for over 4 hours) |
| Dimension: 142.6mm x 40.5mm x 42.5 mm |
| Weight: 130± 5 g |
| Ultrasound coupling agent requirement: density = 1.0 g/cm2; speed ≤ 1.7 m/s; impedance $\leq 1.7 \times 10^{5}$ g/cm2.s; attenuation ≤ 0.02 dB/mm |
| P_< 1MPa; Iob < 20 mW/cm2; Ispta < 100mW/cm2 |
| Manufacturing date: See the label. |
| Device life expectancy: 5 years |
| Waterproofing grade: IP22 |
| Safety type: Internally powered equipment, type BF applied part |
| Software version:1.0 |

| Operation conditions: Temperature: 5°C to 40°C; | |
|---|--|
| Humidity ≤80%RH; non-condensing | |
| Atmospheric pressure:70kpa to 106kpa | |

Transportation & Storage conditions: Temperature: -20°C to 55°C; Humidity:10%RH - 93%RH: non-condensing Atmospheric pressure:50kpa to 106kpa; indoor ventilated place that has no corrosive gas

Equipment heating time

-the time required for the equipment to warm from the minimum storage temperature between uses until it is ready for intended use: 30min. -the time required for the equipment to cool from the maximum storage temperature between uses until it is ready for intended use: 30min.

5.2 Troubleshooting

| Symptom | Possible cause | Troubleshooting |
|------------------|----------------|-----------------------|
| Power-on failure | Low battery | Charge the instrument |

| Symptom | Possible cause | Troubleshooting |
|-----------------------------------|---|--|
| No sound | Low volume Low power | Increase the volume Replace the battery |
| Fetal heart cannot be fou | Low volume The coupling agent is not coated | Increase the volume Coat the coupling agent or water |
| Low sensitivi | ivity I Coat a pro | Adjust the probe location Coat a proper amount of coupling agent |
| Bluetooth connection failed | Bluetooth on phone is not turned on | Manually turn on the Bluetooth function of the mobile phone |

EMC Information

1* WARNING: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally."

2* WARNING: Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation."

3* WARNING: Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the ME equipment, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result."

Table 1

| declaration - electromagnetic emission | | |
|--|----------------|--|
| Emissions test | Compliance | |
| RF emissions CISPR 11 | Group 1 | |
| CISIKII | | |
| RF emissions | Class B | |
| CISPR 11 | | |
| Harmonic emissions | | |
| IEC 61000-3-2 | Not applicable | |
| Voltage fluctuations/ | | |
| flicker emissions | Not applicable | |
| IEC 61000-3-3 | | |

Table 2

| dec | | |
|--|--|-------------------|
| Immunity test | IEC 60601 test level | Compliance |
| | | level |
| Electrostatic | ±8 kV contact | ±8 kV |
| discharge (ESD) | ±2 kV, ±4 kV, ±8 kV, ±15 kV air | contact |
| IEC 61000-4-2 | | ±2 kV, ±4 |
| | | kV, ±8 kV, |
| | | ±15 kV air |
| Electrical fast | $\pm 2 \text{ kV}$ for power supply lines | |
| transient/burst | \pm 1 kV for input/output lines | Not |
| IEC 61000-4-4 | | applicable |
| Surge IEC 61000-4-5 | \pm 0.5kV, \pm 1 kV line(s) to lines \pm 0.5kV, \pm 1 kV, \pm 2 kV line(s) to earth | Not applicable |
| Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11 | 0 % UT; 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0 % UT; 1 cycle and 70 % UT; 25/30 cycles Single phase: at 0° 0 % UT; 250/300 cycles | Not applicable |
| Power frequency (50/60 Hz) | 30 A/m | 30 A/m |

| magnetic field | | |
|------------------------|--|------------|
| IEC 61000-4-8 | | |
| NOTE: UT is the a.c. n | nains voltage prior to application of the to | est level. |

Table 3

| declaration - electromagnetic immunity | | | |
|--|--------------------------------|------------------|--|
| Immunity test | IEC 60601 test level | Compliance level | |
| Conducted RF | 3 V | Not applicable | |
| IEC 61000-4-6 | C 61000-4-6 0.15 MHz to 80 MHz | | |
| | 6 V in ISM bands between 0.15 | | |
| | MHz and 80 MHz | | |
| Radiated RF | 10V/m | 10V/m | |
| IEC 61000-4-3 | 80 MHz to 2.7 GHz | | |
| | | | |

Table 4

| able 4 | | | | | |
|--|-----------|------------------|--------|-------|-------|
| declaration - IMMUNITY to proximity fields from RF wireless | | | | | |
| | con | nmunications equ | ipment | | |
| Immunit | | IEC60601 test | evel | | Com |
| y test | Test | Modulation | Maxi | Immun | plian |
| | frequency | | mum | ity | ce |
| | | | powe | level | level |
| | | | r | | |
| Radiated | 385 MHz | **Pulse | 1.8W | 27 | 27 |
| RF | | Modulation | | V/m | V/m |
| IEC | | : 18Hz | | | |
| 61000-4- | 450 MHz | *FM+ 5Hz | 2 W | 28 | 28 |
| 3 | | deviation: | | V/m | V/m |
| | | 1kHz sine | | | |
| | 710 MHz | **Pulse | 0.2 | 9 V/m | 9 |
| | 745 MHz | Modulation | W | | V/m |
| | 780 MHz | : 217Hz | | | |
| | 810 MHz | **Pulse | 2 W | 28 | 28 |
| | 870 MHz | Modulation | | V/m | V/m |
| | 930 MHz | : 18Hz | | | |
| | 1720 MHz | **Pulse | 2 W | 28 | 28 |
| | 1845 MHz | Modulation | | V/m | V/m |
| | 1970 MHz | : 217Hz | | | |
| | 2450 MHz | **Pulse | 2 W | 28 | 28 |
| | | Modulation | | V/m | V/m |
| | | : 217Hz | | | |
| | 5240 MHz | **Pulse | 0.2 | 9 V/m | 9 |
| | 5500 MHz | Modulation | w | | V/m |
| | 5785 MHz | : 217Hz | | | |
| Note* - As an alternative to FM modulation, 50 % pulse modulation at 18 Hz | | | | | |
| may be used because while it does not represent actual modulation, it would be | | | | | |

may be used because while it does not represent actual modulation, it would be worst case.

Note** - The carrier shall be modulated using a 50 % duty cycle square wave signal

FCC Statement

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 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.

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

* 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. IC STATEMENT

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

SECTION 6: CONTACT INFORMATION 6.1 Ultrasound Intensity and Safety

6.1.1 Ultrasound in Medicine

The use of diagnostic ultrasound has proved to be a valuable tool in medical practice. The ultrasound output of the device is controlled internally and cannot be changed by the user during the inspection process. Although no confirmed bioeffects on patients caused by exposure from present diagnostic ultrasound equipment have ever been reported, the potential exists that such bioeffects may be identified in the future. Therefore, the ultrasound should be used prudently. High levels of acoustic output and long exposure time should be avoided while acquiring necessary clinical information.

6.1.2 Explanation of MI/TI

6.1.2.1 MI (Mechanical Index)

When ultrasound waves penetrate and contact tissues, cavitation effects may occur, causing local instantaneous high temperatures. The occurrence of this effect depends on various factors and has a threshold phenomenon. Currently, there are no reports of harmful mechanical effects from human use of ultrasound diagnostic equipment, and the threshold for cavitation effects is unclear. As the peak sound pressure of ultrasound waves increases, the occurrence rate of mechanical effects increases, but decreases with increasing frequency. The American Institute of Ultrasound in Medicine and the National Electrical Manufacturers Association have established the Mechanical Index (MI) to characterize the probability of ultrasound mechanical effects.

6.1.2.2 TI (Thermal Index)

Heating of tissues is caused by absorption of ultrasound when the ultrasound energy is applied. The temperature rise is determined by the acoustic intensity, exposed area and thermophysical properties of the tissue.

According to different thermophysical properties of the tissue, TI is divided into three kinds: TIS_TIB and TIC TIS (Soft Tissue Thermal Index): It provides an estimate of potential

temperature rise in soft or similar tissues. TIB (Bone Thermal Index): It provides an estimate of potential temperature

rise when the ultrasound beam passes through soft tissue and a focal region is in the immediate vicinity of bone.

TIC (Cranial Bone Thermal Index): It provides an estimate of potential temperature rise in the cranial bones or superficial bones.

6.1.3 Ultrasonic output limitation

The acoustic output parameter meets the provision freedom from publication in IEC 61157 Requirement for the declaration of the acoustic output of medical diagnostic ultrasonic equipment: Pr<1MPa; the output power divided by the 12dB output beam area is not less tan 20mW/cm2; Ispta<100mW/cm2. Note: For all equipment settings, the thermal index and mechanical index are less than 1.0.

6.2 Statement:

The lay operator or lay responsible organization should contact the manufacturer or manufacturer's representative on the following issues: Assistance in setting up, using, or maintaining the equipment or system when needed

Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authorities of your Member State.

6.3 Manufacturer

Manufacturer: Shenzhen Jumper Medical Equipment Co., Ltd Address: D Building, No. 71, Xintian Road, Fuyong Street, Baoan, Shenzhen, Guangdong, China, 518103 Tel: +86-755-26696279 E-mail: info@jumper-medical.com Website: www.jumpermmed.com www.jumper-medical.com

6.4 Authorized European Representative



Mies-van-der-Rohe-Strasse 8, 80807 Munich, Germany

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-- 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 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.

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



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