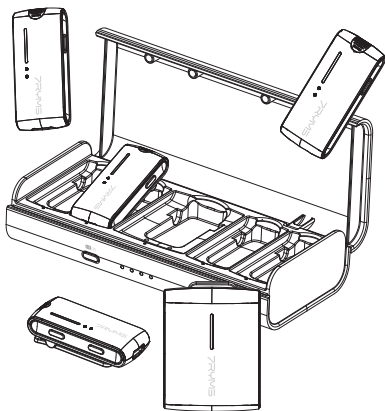


7RIMS



iRay DW40

Four-channel Mini Wireless Microphone

User Manual



Foreword

Thanks for purchasing iRay DW40

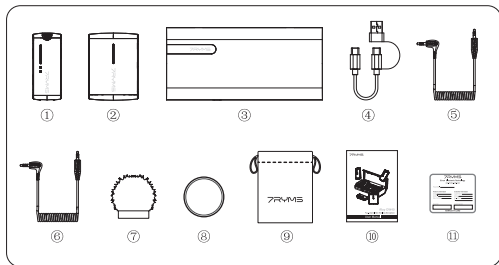
Features

- Four-channel Wireless Microphone, Support Multi-person Recording
- 48kHz/24bit Recording, Broadcasting-level Sound Quality
- Digital/Analog Output Modes, Universal for Camera/Phone/PC
- Support Real-time Monitoring and One-key Denoise
- Support One-key Muting, Volume Control, and M/S Switch
- USB-C Charging Port, Support Charging While Using
- Charging & Storing Case, Operating Time Up to 10 Hours
- Low Latency < 20ms, Working Range Up to 200 Meters(Open Area)

Notice

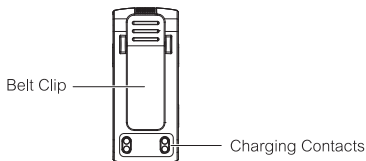
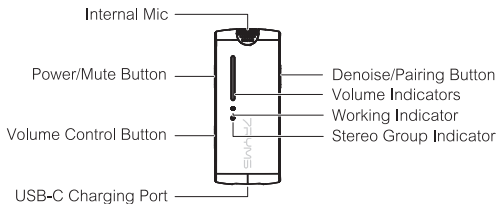
- ⚠ It is better to keep face to face when using it and not turn your back to the receiver. Otherwise, it is easy to generate breakpoints, which is a normal phenomenon
- ⚠ Please notice that the STEREO function can not be realized when recording in single-channel
- ⚠ The product is a high-precision equipment, please prevent it from falling, collision, or pounding
- ⚠ Do not use this device near sources of heat or interference, such as radiators, ovens, refrigerators, air conditioners, etc
- ⚠ If the sound pickup distance is close or record outdoors, please put the wind muff on the transmitter to prevent sound bursting or reduce wind noise
- ⚠ Please keep the product in a dry environment; do not use the equipment in rainy or damp environments to avoid short-circuit danger

Packing List



- | | |
|---------------------------------------|-------------------------------|
| 1. Transmitter(TX) *4 | 6. 3.5mm TRS-TRRS Audio Cable |
| 2. Receiver(RX) | 7. Wind Muff *4 |
| 3. Charging Case | 8. Magnetic Plate *4 |
| 4. 2-in-1 Charging/Audio Output Cable | 9. Carrying Pouch |
| 5. 3.5mm TRS-TRS Audio Cable | 10. User Manual |
| | 11. Warranty Card |

Transmitter(TX):



1.Internal Mic

2.Power/Mute Button

Long press to turn on/off the transmitter. Short press to mute

3.Volume Control Button

Short press to cycle through the volume levels

4.Denoise/Pairing Button

Short press to turn on/off denoise; long press to pair

5.Volume Indicators

Show microphone volume. There are four levels of volume and four indicators. Each indicator represents one volume level

6.Working Indicator

Status	Indicator
Unpaired	Blinks blue slowly
Pairing	Blinks blue rapidly
Paired	Shows blue/green
Mute on	Shows red
Mute off	Shows blue/green
Denoise on	Shows green
Denoise off	Shows blue/green

7.Stereo Group Indicator

In stereo mode, A/C channel is the left channel and the blue light on; B/D channel is the right channel and the green light on. In mono mode, the blue light on

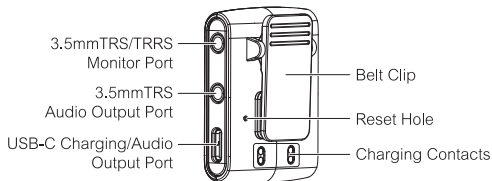
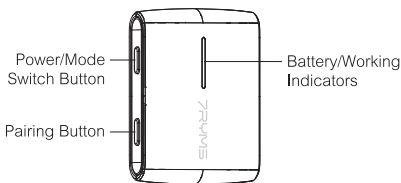
8.USB-C Charging Port

Connect to power bank/DC power supply through the 2-in-1 charging cable to charge

9.Belt Clip

10.Charging Contacts

Receiver(RX):



1.Power/Mode Switch Button

Long press to turn on/off the receiver. Short press to switch mono /stereo mode

2.Pairing Button

Long press to pair

3.Battery/Working Indicators

3.1.Show the receiver's battery life

Indicator Status	Four indicators on	Three indicators on	Two indicators on	One indicator blinks red slowly
Receiver's Battery	80%-100%	60%-80%	40%-60%	<20%

3.2.Show the receiver's charging status

Show red when charging; blue when fully charged

3.3.Show mode

Show blue in mono mode, green in stereo mode

4.3.5mmTRS/TRRS Monitor Port

Insert a 3.5mmTRS/TRRS headphone to monitor

5.3.5mmTRS Audio Output Port

Connect with devices to output audio

In mono mode, output mixed audio from A/B/C/D four channels;

In stereo mode, output two individual audio. A/C channel is the left channel; B/D channel is the right channel

6.USB-C Charging/Audio Output Port

Connect with power bank/DC power through the 2-in-1 cable to charge; or connect with devices to output digital audio

7.Reset Hole

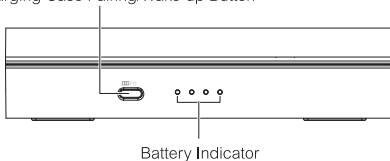
Insert reset pin to reset when there are abnormal phenomena such as charging disability

8.Belt Clip

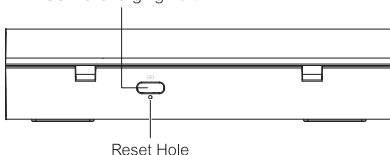
9.Charging Contacts

Charging Case:

Charging Case Pairing/Wake-up Button



USB-C Charging Port



1.Charging Case Pairing/Wake-up Button

Short press to show charging case battery; long press for the microphone to pair

2.Battery Indicator

Four indicators, each represents 25% battery of the charging case

3.USB-C Charging Port

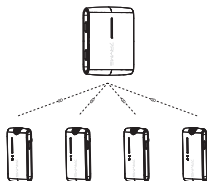
Connect to power bank/DC power supply through the 2-in-1 charging cable to charge

4.Reset Hole

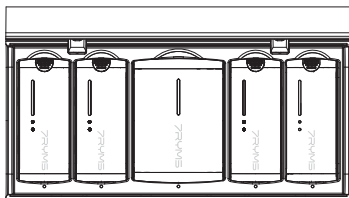
Insert reset pin to reset when there are abnormal phenomena such as charging disability

Pairing(All have been paired by default, if you need to re-pair, please follow the instructions below.)

Method I: Place the transmitter and the receiver within one meter. Long press power buttons to turn them on and long press the pairing buttons to enter the pairing state. During the pairing state, the working indicator of the transmitter alternately blinks red, blue and green and which of the receiver blinks blue/green rapidly. The working indicator of TX/RX show blue/green when paired



Method II: Place the receiver and transmitter in the charging case. Long press the pairing button on the charging case, the TX and RX will enter the pairing state. During the state, the working indicator of the transmitter alternately blinks red, blue and green and which of the receiver blinks blue/green rapidly. The working indicator of TX/RX show blue/green when paired



Installation Method:

Transmitter(TX):

Install the transmitter on the collar and make the internal microphone point to the sound source



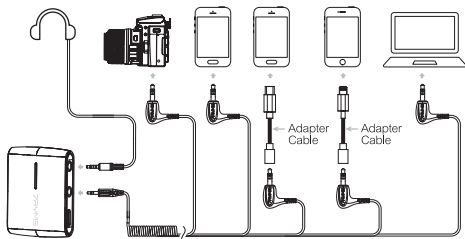
It is recommended to fix the belt clip outwards for better concealment

Receiver(RX):

Analog Output

Connect the receiver with camera through the 3.5mm TRS-TRS audio cable; Connect the receiver with smartphone/computer through the TRS-TRRS audio cable and relevant OTG adapter/adapter cable.

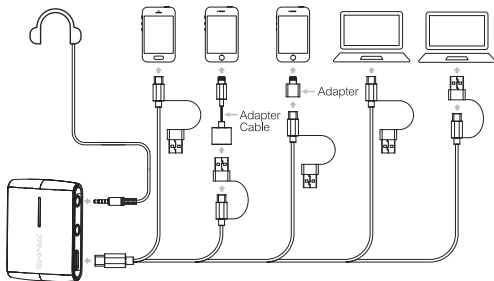
Monitor or not according to your needs(Please purchase the relevant adapter/adapter cable by yourself.)



In stereo mode, A/C channel is the left channel; B/D channel is the right channel

Digital Output

Connect receiver with smartphone/computer through 2-in-1 audio cable and relevant OTG audio adapter cable/adapter. Monitor or not according to your needs(Please purchase the relevant adapter /adapter cable by yourself.)



Specifications

Antenna	Ceramic Antenna
Transmitting Power	10dBm
Receiving Sensitivity	-97dBm
Microphone Sensitivity	-32dB±2dB
Polar Pattern	Omnidirectional
Frequency Response	80Hz ~ 20kHz
S/N	70dB SPL(A-weighted,as per IEC651)
Equivalent Noise	24dB SPL(A-weighted,as per IEC651)
Maximum SPL	110dB SPL(@ 1% THD)
Dynamic Range	86dB SPL(A-weighted,as per IEC651)
Sound Delay	<20ms
USB Specification	48kHz/24bit
Battery	TX:Li-ion Battery 95mAh 3.8V RX:Li-ion Battery 230mAh 3.7V Charging Case:Li-ion Battery 1400mAh 3.7V
Charging Time	TX: 2 Hours RX: 2 Hours Charging Case: 2 Hours
Standby Time	TX: 5 Hours RX: 5 Hours Charging Case: 1 Time
Net Weight	TX: 12g RX: 22g Charging Case(with accessories): 129g
Dimension	TX: 20.5X48.6X16mm RX: 36.1X49X17.3mm Charging Case: 136.5X63.2X31.8mm
Working Temperature	0℃ ~ 50℃
Storage Temperature	-20℃ ~ 60℃



Website: 7ryms.com

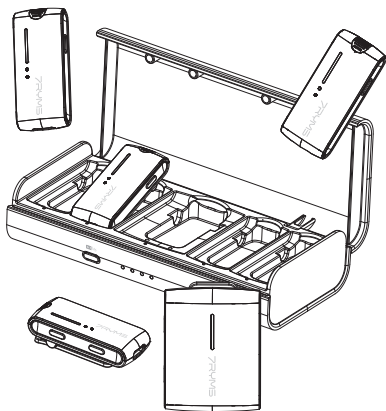
Facebook: 7RYMS

Instagram: 7ryms_official

YouTube: 7RYMS

The 7RYMS LOGO is a trademark which is registered and owned by
Errun Electronic Technology Co., Ltd

7RIMS 七语



iRay DW40

四通道迷你无线麦克风

使用说明书

前言

感谢您购买iRay DW40无线麦克风

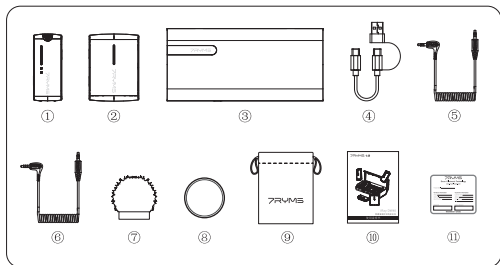
主要功能

- 四通道无线麦克风，支持多人录制
- 48kHz/24bit录音，支持一键降噪
- 数字&模拟双模式输出，通用于相机，手机，电脑
- 支持实时监听、一键静音、音量调节、M/S切换
- USB-C充电接口，支持边充边用
- 多功能充电收纳盒，总续航高达10小时
- 低音频延迟<20ms，传输距离高达200米(空旷环境下)

注意事项

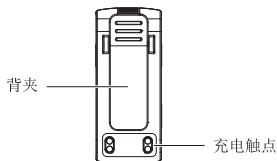
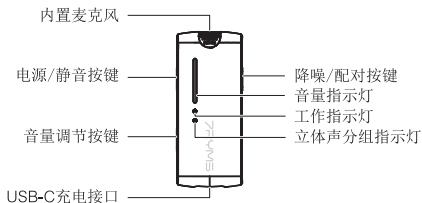
- △使用时尽量保持面对面，避免背对的情况，否则容易产生断点，属正常现象
- △单通道模式下，立体声(STEREO)功能不可实现
- △本产品属于高精密仪器类产品，请避免使用时掉落、碰撞或重击
- △请勿将本设备放置在热源或干扰源附近使用，如散热器、烤箱、冰箱、空调等
- △如拾音距离较近或于户外使用时，请套上麦克风防风毛，防止声音爆裂或降低风噪
- △请在干燥环境中对该产品进行保存，不要在雨中或潮湿的环境中使用该设备，否则会有短路的危险

包装清单



- | | |
|------------------------|-----------|
| 1. 发射器(TX)*4 | 7. 防风毛*4 |
| 2. 接收器(RX) | 8. 背夹磁铁*4 |
| 3. 充电盒 | 9. 便携袋 |
| 4. 二合一充电/输出连接线 | 10. 说明书 |
| 5. 3.5mm TRS-TRS音频连接线 | 11. 保修卡 |
| 6. 3.5mm TRS-TRRS音频连接线 | |

发射器(TX):



1. 内置麦克风

2. 电源/静音按键

长按开/关机，短按静音

3. 音量调节按键

短按循环调节音量

4. 降噪/配对按键

短按开启/关闭降噪，长按进入配对模式

5. 音量指示灯

指示麦克风音量，共有四级音量可调。共有四颗指示灯，每颗代表一级音量

6. 工作指示灯

未配对时蓝灯慢闪，配对中蓝灯快闪，配对成功蓝灯/绿灯长亮；静音时亮红灯；降噪时亮绿灯；低电时红灯慢闪

7. 立体声分组指示灯

立体声模式下A/C通道为左声道，亮蓝灯，B/D通道为右声道，亮绿灯
单声道模式下亮蓝灯

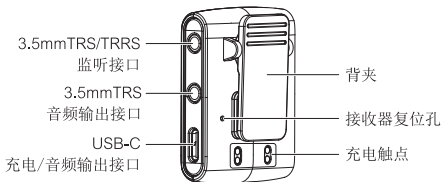
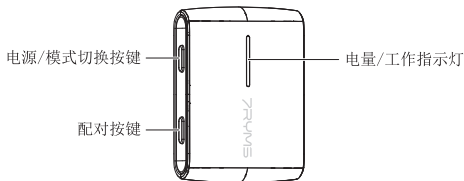
8. USB-C充电接口

通过二合一充电线连接充电宝/DC电源进行充电

9. 背夹

10. 充电触点

接收器(RX):



1. 电源/模式切换按键

长按开/关机，短按切换单声道/立体声

2. 配对按键

长按进入配对状态

3. 电量/工作指示灯

3.1. 指示接收器电量

指示灯状态	四颗灯亮	三颗灯亮	两颗灯亮	红灯慢闪
接收器电量	80%-100%	60%-80%	40%-60%	<20%

3.2. 指示接收器充电状态

充电时第一颗灯亮红灯，充满电亮蓝灯

3.3. 指示模式

单声道亮蓝灯，立体声亮绿灯

4. 3.5mmTRS/TRRS监听接口

插入3.5mmTRS/TRRS耳机进行监听

5. 3.5mmTRS音频输出接口

连接设备进行音频输出

单声道模式下，输出A/B/C/D四路通道合并音频；

立体声模式下，输出两路独立音频，A/C通道为左声道，B/D通道为右声道

6. USB-C充电/音频输出接口

通过二合一充电/音频输出线连接充电宝/DC电源进行充电；或连接设备输出数字音频

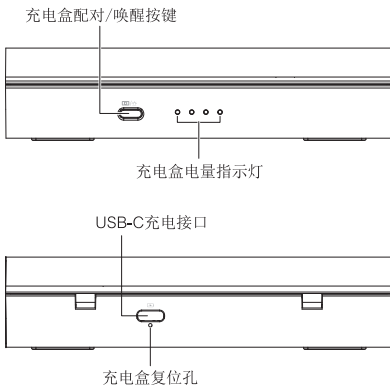
7. 接收器复位孔

如出现无法充电等异常现象，使用复位针插入复位孔即可复位

8. 背夹

9. 充电触点

充电盒：



1. 充电盒配对/唤醒按键

短按显示充电盒电量；长按麦克风进入配对状态

2. 充电盒电量指示灯

共有四颗指示灯，每颗代表25%电量

3. USB-C充电接口

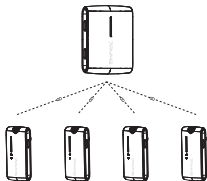
通过二合一充电线连接充电宝/DC电源进行充电

4. 充电盒复位孔

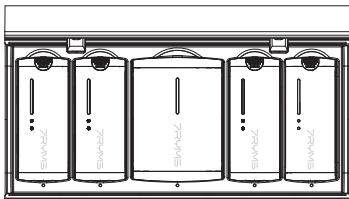
如出现无法充电等异常现象，使用复位针插入复位孔即可复位

配对(出厂已默认配对, 如遇特殊情况需重新配对请参照以下配对方法)

方法一: 将发射器和接收器放置在一米范围内, 分别长按电源键开机, 再长按配对按键进入配对状态。此时发射器工作指示灯快速闪烁红蓝绿光, 接收器工作指示灯快速闪烁蓝光/绿光。配对成功后, 发射器和接收器工作指示灯长亮蓝灯/绿灯。



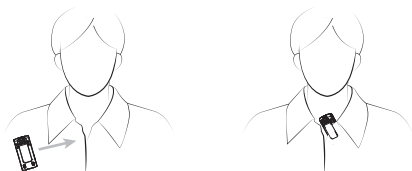
方法二: 将发射器和接收器放置在充电盒中, 长按充电盒配对按键, 发射器和接收器同时进入配对状态。此时发射器工作指示灯快速交替闪烁红蓝绿光, 接收器工作指示灯快速闪烁蓝光/绿光。配对成功后, 发射器和接收器工作指示灯长亮蓝灯/绿灯。



安装方法:

发射器(TX):

将发射器安装到衣领上, 使内置麦克风指向音源方向

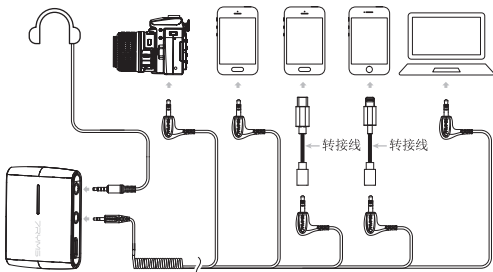


👉 为了更好的隐蔽性, 建议将背夹朝外固定使用

接收器(RX):

模拟输出

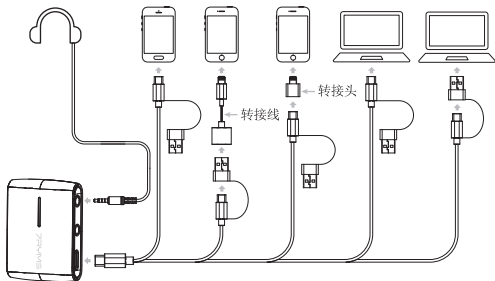
通过3.5mm TRS-TRS音频连接线连接接收器和相机; 通过3.5mm TRS-TRRS音频连接线搭配相关转接线连接接收器和手机/电脑, 根据个人需求选择是否监听(转接线需自行购买)



👉 在立体声模式下, A/C通道为左声道, B/D通道为右声道

数字输出

通过二合一音频连接线和相关OTG音频转接线/转接头连接接收器和手机/电脑，可根据个人需求选择是否进行监听（请自行购买相关音频转接线/转接头）



规格参数

天线类型	陶瓷天线
无线发射功率	10dBm
无线接收灵敏度	-97dBm
麦克风灵敏度	-32dB±2dB
麦克风指向性	全指向
频率响应	80Hz ~ 20kHz
系统信噪比	70dB SPL(A-weighted,as per IEC651)
系统等效噪声	24dB SPL(A-weighted,as per IEC651)
最大声压级	110dB SPL(@ 1% THD)
动态范围	86dB SPL(A-weighted,as per IEC651)
声音延迟	<20ms
USB音频规格	48kHz/24bit
电池类型	TX: 锂聚合物 95mAh 3.8V RX: 锂聚合物 230mAh 3.7V 充电收纳盒: 锂聚合物 1400mAh 3.7V
充电时间	TX: 2小时 RX: 2小时 充电收纳盒: 2小时
续航时间	TX: 5小时 RX: 5小时 充电收纳盒: 1次
净重	TX: 12g RX: 22g 充电收纳盒(加配件): 129g
尺寸	TX: 20.5X48.6X16mm RX: 36.1X49X17.3mm 充电收纳盒: 136.5X63.2X31.8mm
工作温度	0℃ ~ 50℃
存储温度	-20℃ ~ 60℃



扫二维码关注
七语官方公众号



7RYMS七语麦克风



7RYMS七语



七语影音旗舰店



7RYMS七语

邮箱: support@7ryms.com

电话: 400-8303-981

网址: www.7ryms.com

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FCC Statement

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.

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.

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

ISED Statement

- English: This device complies with Industry Canada license - 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.

The digital apparatus complies with Canadian CAN ICES - 3 (B)/NMB - 3(B).

- French: 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.

l'appareil numérique du CIEM conforme canadien peut - 3 (b) / NMB - 3 (b).

For Receiver:

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du CNR - 102 et conformité avec RSS 102 de l'exposition aux RF, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs RF et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. The device is installed and operated without restriction.

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé. Die Installation und der Betrieb der Ausrüstung sind uneingeschränkt.

For Transmitter:

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du CNR - 102 et conformité avec RSS 102 de l'exposition aux RF, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs RF et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. The device is installed and operated without restriction.

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé. Die Installation und der Betrieb der Ausrüstung sind uneingeschränkt.