Axon Fleet 3 Wireless Microphone Installation and User Manual

Models: AX1034, AX1035
Document Revision: TBC
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Introduction

The Axon Fleet 3 wireless microphone works with the Axon Fleet 3 camera system to provide audio for Axon Fleet 3 camera videos. The wireless microphone is not a stand-alone recording device. Before first use, the wireless microphone must be paired to the vehicle's junction box. On subsequent uses, the wireless microphone will automatically connect to the junction box when both are powered on.

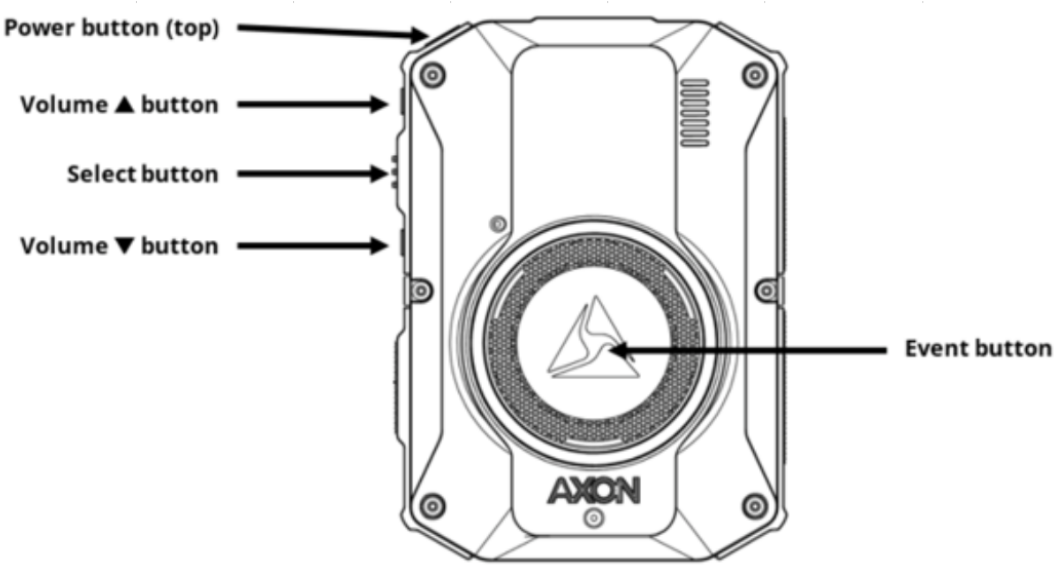
The video recordings will indicate whether audio was sourced from the local front camera microphone or the wireless microphone. If a video recording was started and audio source changed during the recording, the audio source will also be indicated each time it changes.

When multiple wireless microphones are in operation:

- The Hub can be paired to two wireless microphones.

Getting to know the Axon Fleet 3 Wireless Microphone

The following images show the different components on the Axon Fleet 3 wireless microphone, TBD



Axon Fleet 3 wireless microphone front

If the battery status button is pressed, the battery LED displays the battery status for approximately 10 seconds and then resumes displaying the EVENT mode. CHECK TO MAKE SURE THIS IS RIGHT

Charge Status or Function Enabled	Battery LED
40%-100%	Green*
20%-39%	Green*
<20%	Green*
Fully charged	Green**
Charging in progress (≥20%)	Yellow**
Charging in progress (<20%)	Red**
Buffering Mode	Blinking Green***
Event Mode	Blinking Red***

*When Battery status button is pressed

**When charging

***When configured to mirror operation LED

TBD

Axon Fleet 3 wireless microphone top

Connection Socket – Used to recharge wireless microphone battery and for connecting the optional lapel microphone.

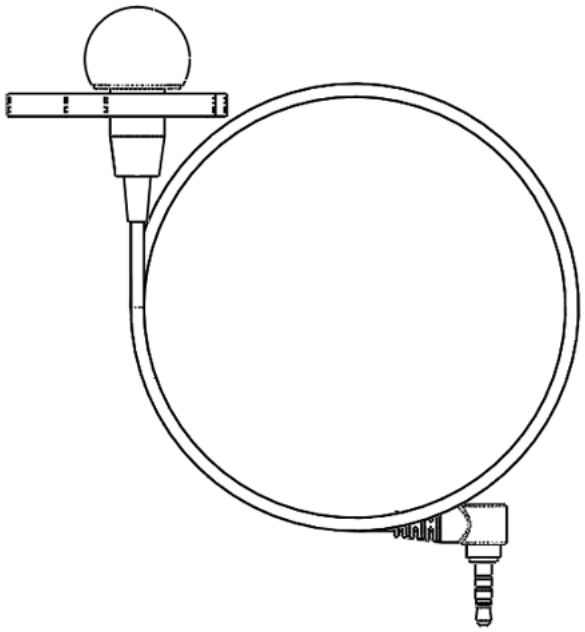
Function LED – Displays when certain functions are enabled.

Function Enabled	Function LED
In Pairing Mode	Blinking yellow
Error	Solid red

Operation LED – Mirrors Axon Fleet 3 front camera operating mode, except for error state. When initially powering on the wireless microphone, the Operation LED will remain solid red until the wireless microphone is placed in pairing mode.

Operating Mode	Operation LED
Recording	Blinking red
Buffering	Blinking green
Booting up/powering down Error state**	Solid red (**When Function LED also is solid red)
RF link is broken (out of range)	Blinking Yellow

Lapel Microphone Accessory



Lapel microphone accessory

The Axon wireless microphone supports the option to use a lapel microphone, which can be located on the uniform remote from the wireless microphone device. When connected, the on-board microphone is disabled and the lapel microphone functions as the sole audio input source. Only Axon supplied lapel microphones will function with the Axon wireless microphone.

To connect the lapel microphone, insert the lapel microphone 2.5mm jack into the connection socket on the top of a compatible wireless microphone.

Connection socket

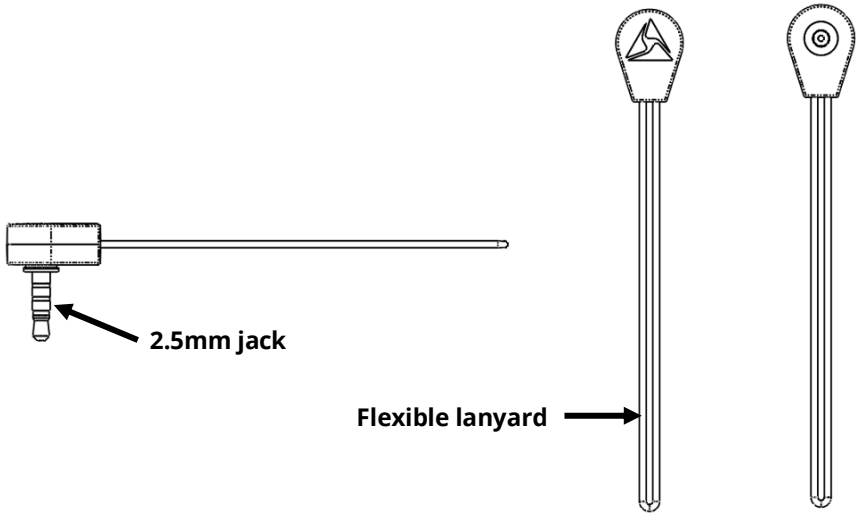
TBD

Axon Fleet 3 wireless microphone top

When the wireless microphone is on, a short (approximately 1-second) beep is emitted when the lapel microphone jack is fully inserted, indicating the connection is made. The same beep is emitted when the jack is removed from the connection socket.

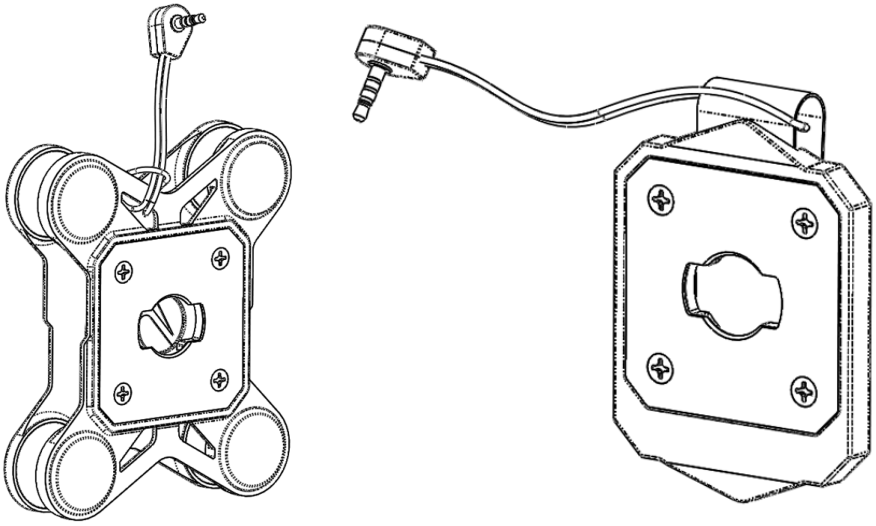
When the wireless microphone detects a short in the cable, a longer beep (approximately 5 seconds) is emitted. The wireless microphone will revert to the on-board microphone when a short is detected. If you hear a 5-second beep when inserting a lapel microphone cable, replace your lapel microphone.

The connection socket is susceptible to water intrusion that could affect audio performance. If the lapel microphone is not connected, it is important to protect the connection socket from water or rain intrusion. Axon supplies a socket plug with a 2.5mm jack that should be inserted into the connection socket whenever the lapel microphone is not connected.



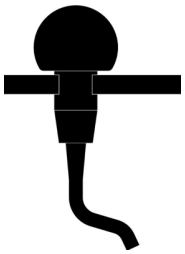
Socket plug

The socket plug can be attached to the Axon RapidLock mounts using the flexible lanyard by simply looping the lanyard through an opening in the mount body or looping the lanyard around the belt clip, as shown in the figures below.



Please note that the socket plug may cause the wireless microphone to emit a long (approximately 5-second) beep when inserted. This is not an indication of failure condition and should be ignored.

IMPORTANT: Previous versions of the Axon wireless microphone are not compatible with the lapel microphone accessory and do not have the same water susceptibility concern regarding the connection socket. To easily identify which version of the wireless microphone you have, look for the following laser-engraved symbol on the top of the wireless microphone adjacent to the connection socket. If the symbol is present, it is lapel microphone capable. If not, it is an earlier version that is not lapel microphone capable.



Axon Wireless Microphone Mounts

The Axon Fleet 3 wireless microphone is designed to work with the Axon RapidLock mounting system. The Axon RapidLock mounting system consists of the attachment piece,

called the key, on the wireless microphone and the various mounting options including the attachment receiver, called the lock.

To engage the Axon RapidLock mount, insert the key of the wireless microphone into the lock of the mount and turn the microphone 90 degrees counterclockwise (when you are looking straight at the mount). To release the wireless microphone from the mount, turn the wireless microphone 90 degrees clockwise.

There are various mounts that use this system and they can be used with a wide variety of uniforms, and hold the wireless microphone to your shirt, patrol vest, jacket, or belt.

The two mounts discussed here are the Clip Mount and the Magnetic Mount.

Mounting Information and Recommendations

The following list provides additional information and recommendations for mounting the wireless microphone.

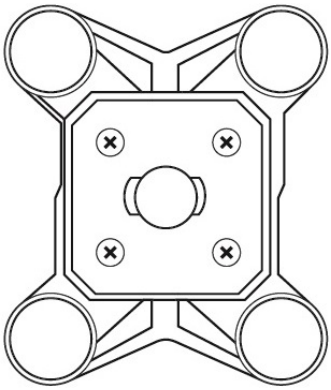
- The Thick Outerwear Magnetic Mount, SKU 74021, should not be used with the wireless microphone. The significant amount of metal present in this mount diminishes wireless microphone range.
- Axon recommends mounting the wireless microphone as high as possible on the chest for best microphone performance.
- If an officer's typical workflow is to approach stopped vehicles on the driver side of the vehicle, Axon recommends mounting the wireless microphone on the right side of the body. Conversely, if the typical workflow is approach to the passenger side, it is recommended to mount the wireless microphone on the left side of the body.
- After a mounting location is selected, officers should test access to other officer-worn equipment to ensure the wireless microphone does not interfere with access or use of the equipment.

Clip Mount

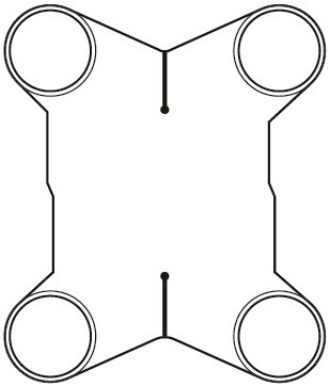
The clip mount provides a quick and easy way to mount the wireless microphone on your patrol vest, jacket, or belt.

1. Insert the key on the back of the wireless microphone into the lock.
2. Twist the wireless microphone 90 degrees counterclockwise.
3. Slide the clip mount on your patrol vest, jacket, or belt.

Magnetic Mount



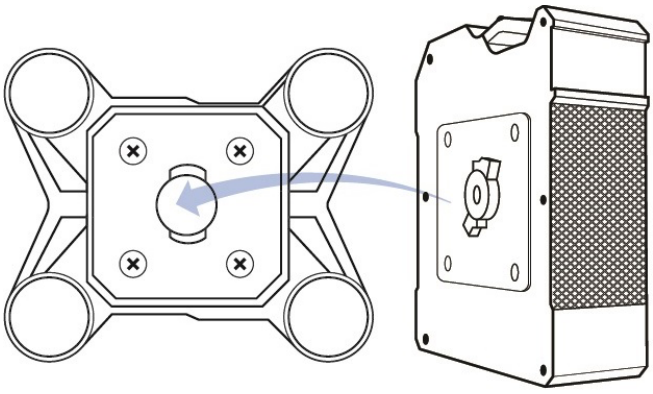
Axon RapidLock attachment receiver (lock)



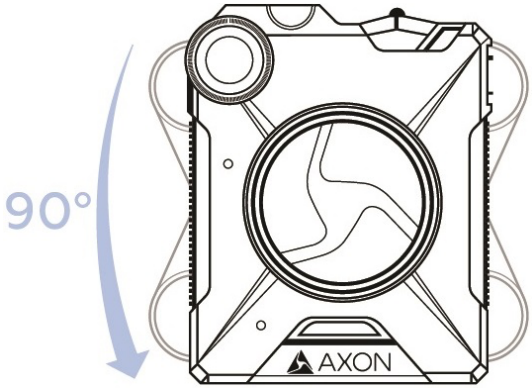
Axon RapidLock magnetic back

Magnetic Mount Assembly and Use

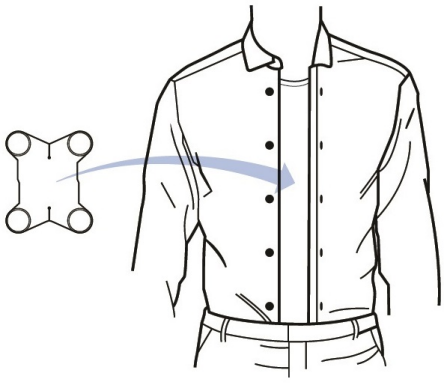
1. Insert the key on the back of the wireless microphone into the lock.



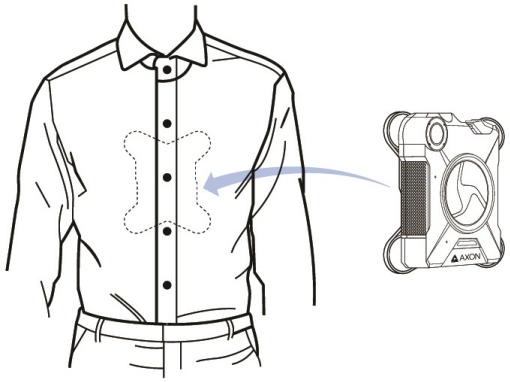
2. Twist the wireless microphone, 90 degrees counter-clockwise.



3. Place the magnetic back underneath the shirt, patrol vest, or whatever you are using.



4. Hold the back in place and place the Axon RapidLock mount over the back. Magnetic attraction will hold the wireless microphone in place.



Wireless Microphone Operation

Before using an Axon Fleet 3 wireless microphone, ensure it is fully charged and configured.

Pairing a Wireless Microphone with the Charging Base

Insert the Wireless Microphone into the Charging Base. This will pair the two until a new Microphone is inserted (except during recording).

Operating Modes

The Axon Fleet 3 wireless microphone has two operating modes:

- BUFFERING (turning on the wireless microphone and starting pre-event buffering)
- EVENT (event recording)

BUFFERING Mode (turning on the wireless microphone)

- Move the Power Switch on the wireless microphone to the ON position.

  The wireless microphone conducts start-up checks and syncs mode indications with the front camera. When the front camera begins BUFFERING, the Operation LED on the wireless microphone will blink green.

EVENT Mode

- When you need to record, quickly double-press the EVENT button on the wireless microphone.

  The moment you double-press the EVENT button, both video and audio will be recorded. This will continue throughout the duration of the recording until you terminate the recording.

  Recording can also be started using Axon View XL, momentarily pressing the EVENT button on Axon Fleet 3 front camera, or when the Axon Signal Vehicle unit sends a signal.

  The wireless microphone provides you with indications that it is recording in EVENT mode:

  - At the start of an event and every 2 minutes during an event, the wireless microphone beeps twice.

- The Operation LED on top of the camera blinks red.

Recordings can only be stopped using Axon View XL or the Axon Fleet 3 Front camera EVENT button.

Muting Audio Recording

If your system administrator has configured your Axon Fleet 3 system to do so, you can use the function button to disable audio recording during an event. This feature may be useful in sensitive situations.

- Press and hold the Function button for 3 seconds to mute the audio capture.

  Press and hold the Function button another 3 seconds to re-enable the audio recording.

  ADD MORE HERE

Charging the Battery

A fully charged Axon Fleet 3 wireless microphone battery should provide enough power for approximately 12 hours of normal operation. Recharging a battery after a 12-hour use can take up to **TBD** hours if you are recharging your wireless microphone from the Charging Base.

ADD MORE

Firmware Updates

Firmware updates for the Axon Fleet 3 Wireless Mic and Charging Base are made through the Fleet 3 Hub.

Notification Reference Tables

This section list all the audio, vibration, and LED indications associated with the Axon Fleet 3 wireless microphone.

Audio Prompts

The Axon Fleet 3 wireless microphone emits beeping sounds called "audio prompts" to notify you of the system status. The audio prompts are accompanied by a vibration that matches the beeps.

MAKE SURE THIS IS ACCURATE

Operating Mode	Audio Notification	Haptic Notification (Vibration)
Powering on or off	One beep	Once
Recording an event	Two beeps (every 2 minutes)	Twice (every 2 minutes)
The device is ending an event and returning to BUFFERING mode	One long beep	Once, long duration
Low battery notifications: • When in BUFFERING mode and battery has power for 20 minutes or less • When in EVENT (recording) mode and battery nearly discharged (the microphone will shut down within a few minutes)	Four quick beeps (every 20 seconds)	Four times, quickly (every 20 seconds)
Front camera memory is full, or the front camera is not powered on (the camera will not record)	Three beeps	Three times
RF link is broken (out of range)	One beep (every 10 seconds)	Once (every 10 seconds)
Front camera internal clock is not set	Five quick beeps (every 20 seconds)	Five times, quickly (every 20 seconds)

LED Status

Operation LED

The operation LED mirrors Axon Fleet 3 front camera operating mode, except for error state. When initially powering on the wireless microphone, the Operation LED will remain solid red until the wireless microphone is placed in pairing mode.

Operating Mode	Operation LED
Recording	Blinking red
Buffering	Blinking green
Booting up/powering down Error**	Solid red (**When Function LED also is solid red)
RF link is broken (out of range)	Blinking Yellow

Function LED

The function LED displays when certain functions are enabled.

Function Enabled	Function LED
Pairing mode/Mute	Blinking blue
Error	Solid red
Connected to junction box	Solid blue

Battery LED

While charging in the in-car dock, the battery LED will display charge status as indicated in the table. Once charge status has reached 100% the LED will shut down after 10 minutes and will not re-illuminate, while in the dock, until the battery status button is pressed, at which point it will remain illuminated for 10 seconds.

Charge Status or Function Enabled	Battery LED
40%-100%	Green*
20%-39%	Yellow*
<20%	Red*
Fully charged	Green**
Charging in progress (≥20%)	Yellow**
Charging in progress (<20%)	Red**
Buffering Mode	Blinking Green***
Event Mode	Blinking Red***

*When Battery status button is pressed **When charging ***When configured to mirror operation LED

Installation

This section provides information on the Axon Fleet 3 wireless microphone system contents, the tools needed for installation, and procedure for installing Axon Fleet 3 wireless microphone hardware.

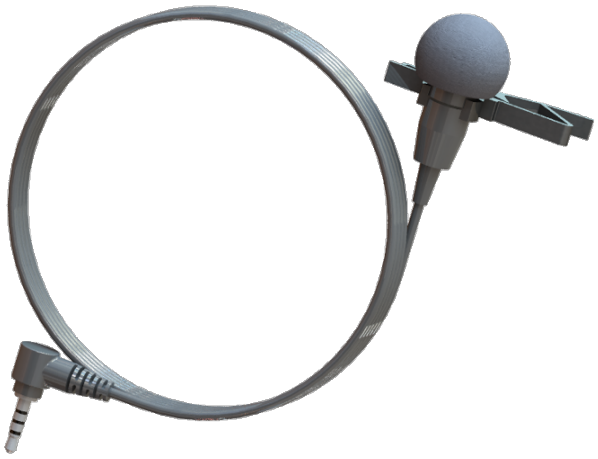
Axon Fleet 3 Wireless Microphone Contents

Every Axon Fleet 3 Wireless Microphone system comes with the following parts required for installation.

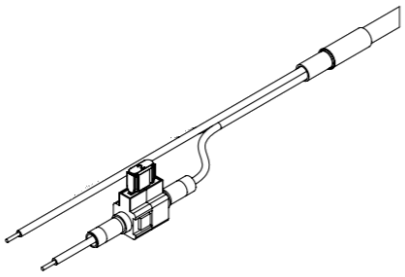
One Axon Fleet 3 Wireless Microphone – AX1035

One charging base – AX1034

One lapel microphone accessory – SKU 72025



The cable exiting the charging dock has two wires: Red for 12VDC power and Black for GND. The wires come with factory-installed butt-splice terminals.



This cable is 18 feet (6 m) in length and contains the following wires:

18 AWG – Black

18 AWG – Red – 12V power, 2 amp fuse

Two Axon RapidLock mounts

Optionally, your agency can also purchase:

- Additional Axon Fleet 3 wireless microphones
- AB2 Sync cables (for charging from USB)
- Axon Dock with bays for Axon Body 3 cameras, for in station charging of the wireless microphones

Installing the Charging Base

Attach the Charging Base to the Fleet 3 Hub.

Troubleshooting and Other Information

Troubleshooting

Any error states encountered with the wireless microphone and/or charging base can typically be cleared by rebooting the devices.

- To reboot the wireless microphone - move the power switch in the off position, wait 12-15 seconds, and then move the power switch to the on position.

Technical Support

Visit www.axon.com and view the Support options or call 1-800-978-2737.

Warranty Policy

Axon Enterprise warranty provisions are applicable on all Axon Fleet system products. See Axon Enterprise's website, www.axon.com, for detailed warranty information.

Warnings

For a full list of the warning associated with this product, see www.axon.com.

Radio Waves

An Axon Fleet 3 Wireless Microphone system transmission is in the frequency ranges of 902.4 – 927.6 MHz for some countries, and 915 – 928 MHz for other markets. Please contact Axon for more details.

Federal Communications Commission (FCC) Statement

Changes or modifications to the equipment not expressly approved by the manufacturer could void the product warranty and the user's authority to operate the equipment

Your wireless device is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general

population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. Before a device model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure.

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 Axon Technical Support 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.

FCC Radiation Exposure Statement

This device must not be co-located or operating in conjunction with any other antenna or transmitter.
For body worn operation, this device has been tested and meets FCC RF exposure guidelines. When used with an accessory that contains metal may not ensure compliance with FCC RF exposure guidelines.

Innovation, Science and Economic Development Canada (ISED) statement

This Class B digital apparatus complies with Canadian ICES-003 and RSS-247.
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, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil numérique de classe B est conforme à la norme NMB-003 et RSS-247. L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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, and
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

Caution: Exposure to Radio Frequency Radiation

To comply with the Canadian RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.
For body worn operation, this device has been tested and meets RF exposure guidelines when used with an accessory that contains no metal. Use of other accessories may not ensure compliance with RF exposure guidelines.

Attention: exposition au rayonnement radiofréquence

Pour se conformer aux exigences de conformité RF canadienne l'exposition, cet appareil et son antenne ne doivent pas être co-localisés ou fonctionnant en conjonction avec une autre antenne ou transmetteur.
Pour une utilisation sur le corps, cet appareil a été testé et respecte les directives sur l'exposition aux RF lorsqu'il est utilisé avec un accessoire sans métal. L'utilisation d'autres accessoires peut ne pas garantir la conformité aux directives d'exposition aux RF.

Compliance Marks