MOTOROLA

MISSION CRITICAL
WIRELESS

MISSION CRITICAL WIRELESS

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FOREWORD

Product Safety and RF Exposure Compliance

⚠️ **Caution**	**Before using this product, read the operating instructions for safe usage contained in the Product Safety and RF Exposure booklet enclosed with your radio.**

ATTENTION!

The radio is restricted to occupational use only to satisfy FCC RF energy exposure requirements. Before using this product, read the RF energy awareness information and operating instructions in the Product Safety and RF Exposure booklet enclosed with your radio (Motorola Publication part number 6881095C98) to ensure compliance with RF energy exposure limits.

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. **Any changes or modifications not expressly approved by Motorola may void the user's authority to operate this device.**

Battery is shipped with a nominal charge between 30 and 50%. Battery should be stored between -10°C (14°F) and 30°C (86°F) to minimize permanent capacity loss. Caution: Storing your fully charged accessory in high-temperature conditions may permanently reduce the life of the internal battery.

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Important information:

- Do not recharge your accessory in temperatures below 0°C (32°F) or above 45°C (113°F)· Conditions inside a parked car can exceed this range. Do not store your accessory in a parked car. Do not store your accessory in direct sunlight.

- Storing your fully charged accessory in high-temperature conditions may permanently reduce the life of the internal battery.

- Battery life may temporarily shorten in low-temperature conditions.

SAFETY

Exposure to loud noises from any source for extended periods of time may temporarily or permanently affect your hearing. The louder the radio's volume, the less time is required before your hearing could be affected. Hearing damage from loud noise is sometimes undetectable at first and can have a cumulative effect.

To protect your hearing:

- Use the lowest volume necessary to do your job.

- Turn up the volume only if you are in noisy surroundings.

- Turn down the volume before adding headset or earpiece.

- Limit the amount of time you use headsets or earpieces at high volume.

- When using the radio without a headset or earpiece, do not place the radio's speaker directly against your ear.

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CAUTION

This earpiece can be used in high noise environments. Before using the earpiece, please ensure that you have set the volume at the lowest level by holding the "VOLUME DOWN" button while the device is on. Do NOT set the device at the highest two volume levels unless needed for high noise environments. To avoid possible injury to your hearing, YOU MUST REDUCE the volume level to the lower six volume steps.

ATTACHING INTEGRATED MICROPHONE/ RECEIVER HEADSET

The earpiece can be worn on either ear. The clip on the cable attaches to the collar. The clip on the rear of the housing can be attached to the uniform or epaulette as user sees fit.

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OTHER NOTES

The minimum line-of-sight range for Secure Bluetooth Commport is 30 feet. However, the body tends to obstruct the signal, therefore the normal usage range is 6' around your body.

When the headset and adapter exceed the range of the wireless system, Mission Critical Device issues an alert sound, indicating that the wireless system is not operational. The link is automatically restored once the units are back within communication range. However, if the device has been out of range for more than 5 minutes, the headset/POD will shut off to conserve battery power.

INTRODUCTION

We looked for a better way to enhance wireless security, and created a short range "out of band" system for exchanging device credentials. As a result, our proprietary Mission Critical Wireless Device pairs within an inch of the radio, and that exchange is virtually undetectable beyond a few inches. Because of the close pairing proximity, you can be confident your accessory is connecting with your radio. With mission critical wireless, wireless discovery is turned off and a hacker would not even know your earpiece is there.
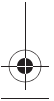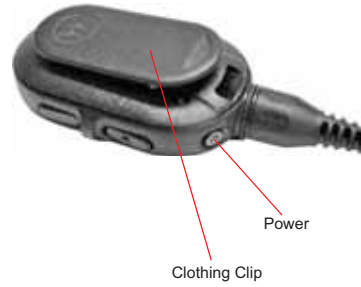
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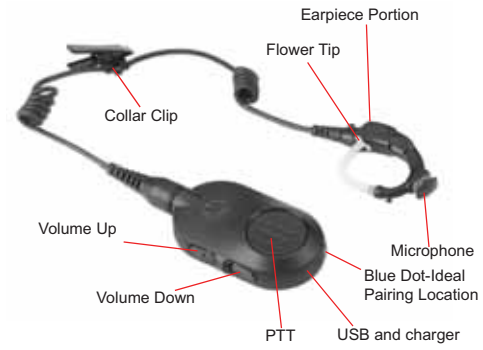## WHAT IS IN YOUR PACKAGE

- Wireless Device with PTT

- Clothing clip

- Integrated Microphone/receiver Earpiece with attached Collar clip

- User Manual

- Spare Eartube

- Foam Windscreen

- Silicone Earstrap

MISSION CRITICAL WIRELESS

Earpiece Portion

Flower Tip

Collar Clip

Volume Up

Microphone

Blue Dot-Ideal
Pairing Location

Volume Down

PTT   USB and charger

Power

Clothing Clip

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**THE MISSION CRITICAL
WIRELESS INTEGRATED
MICROPHONE/RECEIVER
HEADSET**

DEVICE FEATURES

- PTT

- Simple and Securing pairing

- Private listening without occluding the
  ear

- Loud, clear audio

- Comfortable Earpiece for all day wear

- 128 bit key exchange for secure
  communication - Volume Control

CHARGING YOUR DEVICE

Prior to using the device for the first time, it should be fully charged. Recommended charging time is three hours. You can charge your device using the charger cable connected to a wall power outlet. Connect the small end of the charger cable to the micro-USB port on the bottom of the device. Plug the other end of the cable into a wall outlet. The following chart provides battery and charging status.

Battery and Charging

State	LED Indication	Tone Indication
Low Battery Indication	Red LED heartbeat	Low Battery Tone every 2 minutes
Critical Battery Indication	Red LED rapid flashing	Low Battery Tone every 30 seconds
Charging (when connected via USB to PC or wall charger)	Red LED solid on	

State	LED Indication	Tone Indication
90% charged battery capacity	Green LED flashing	
100% charged battery capacity	Green LED solid on	

Upon charge completion, remove the charging cable, and ensure the dust cap is secured over the USB port

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POWERING ON/OFF DEVICE

Press the power on/off button.

Power	LED Indication	Tone Indication
On	Blue LED Flashes 3 times then OFF	Power On Tone. Hold for 0.5 second.
Off	Blue LED Flashes 3 times then POWER OFF	Power Off Tone. Hold for 3 seconds.

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USING THE MISSION CRITICAL WIRELESS DEVICE

PAIRING YOUR DEVICE

1. Ensure both the radio and the device are powered on.
2. Ensure the earpiece portion of the Secure Wireless Device is plugged into the pod portion Secure Wireless Device.
3. Confirm the Blue LED on the device is flashing.
4. Place the blue dot (secure pairing spot) on the device within one inch of the blue dot (secure pairing spot) on the radio.
5. Refer to the table for successful pairing indication.

Pairing Indicator

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Wireless Link and Pairing

State	LED Indication	Tone Indication
Not Paired	Blue LED Flashing	
Pairing Starting	Blue LED Rapid Flashing	
Paired Successfully	Blue LED Solid for 2 seconds	Pairing Successful Tone
Wireless Link Connected with Host	Blue LED Heartbeat : Long OFF and ON	Connected Tone
Wireless Link Disconnected from Host	Blue LED Solid ON	Disconnected Tone every 2 minutes

If the Secure Wireless Device has already been paired to a particular radio, it will communicate with that radio to allow transmissions. This behavior is the same as if user as just touched the blue dots on the device to the radio. (Refer to table above).

A device will not establish a connection with a previously paired radio automatically if the RE-PAIRING CYCLE parameter in the radio is set to "always re-pair". In this case, the user must follow the procedure listed on page 11 to re-establish wireless connection.

DARK MODE VOLUME INDICATORS

The Mission Critical Wireless device has 8 loudness levels. The volume level is controlled using the radio volume control, or the device's volume up/ volume down buttons per chart on the next page.

The product can be placed in "Dark Mode", where its LED is disabled. Power On the device by pressing the Volume Up and Volume Down for 3 seconds. An LED Toggle and Feedback Tone is issued to let the user know the LED is off. The LED remains off until the user turns it on by pressing the Volume Up and Volume Down for 3 seconds. The user can toggle between both states at any time by pressing the Volume Up and Volume Down simultaneously.

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Dark Mode Volume Indicators

Button Push	Tone Indication
Volume Up (when Wireless link Disconnected)	Volume Tone with increased loudness
Volume Up (when Wireless link Connected)	Radio Volume Tone played with increased loudness and radio display shows updated volume level
Volume Down (when Wireless link Disconnected)	Volume Tone played with decreased loudness
Volume Down (when Wireless link Connected)	Radio Volume Tone played with decreased loudness and radio display shows updated volume level
Volume Up and Hold	Volume Tone played continously with increasing loudness
Volume Down and Hold	Volume Tone played continously with decreasing loudness

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The device's volume control buttons can also be used to stop repeating tone indications, such as low battery, critical battery, and link disconnections.

ERROR INDICATOR

Any product errors will be indicated by Amber Flashing or Solid light indicators.

REPLACEMENT PARTS

To order replacement parts, and for service and support, call 800-422-4210

The following parts are available :

Maintenance Kit.........................NNT8821

Includes 10 silicone eartubes, 10 microphone seal strips, and 2 foam windscreens.

Adhesive Pads (90)....................NNT8986

for Secure Attachment.

Ear Straps (10)...........................NTN8988

for Secure Attachment.

Ear Tubes (10)............................RLN5037

Earpieces...................NTN2572,NTN2575

Earpiece with 12" Cable

Earpiece with 9.5" Cable

MICROUSB................................SPN5334

SPN5334 - ASSY, P/S, CHGR SWM, Travel MICROUSB

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Wireless Accessory...................NTN2574

NTN2574 - Wireless Accessory, Near Field Pairing.

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