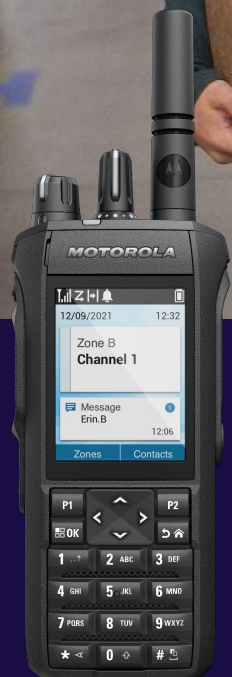


MOTOTRBO
R7



MOTOTRBO R7

NA ACCESSORIES PORTFOLIO

Motorola Solutions Confidential - Do Not Redistribute - PartnerEmpower Member Use Only

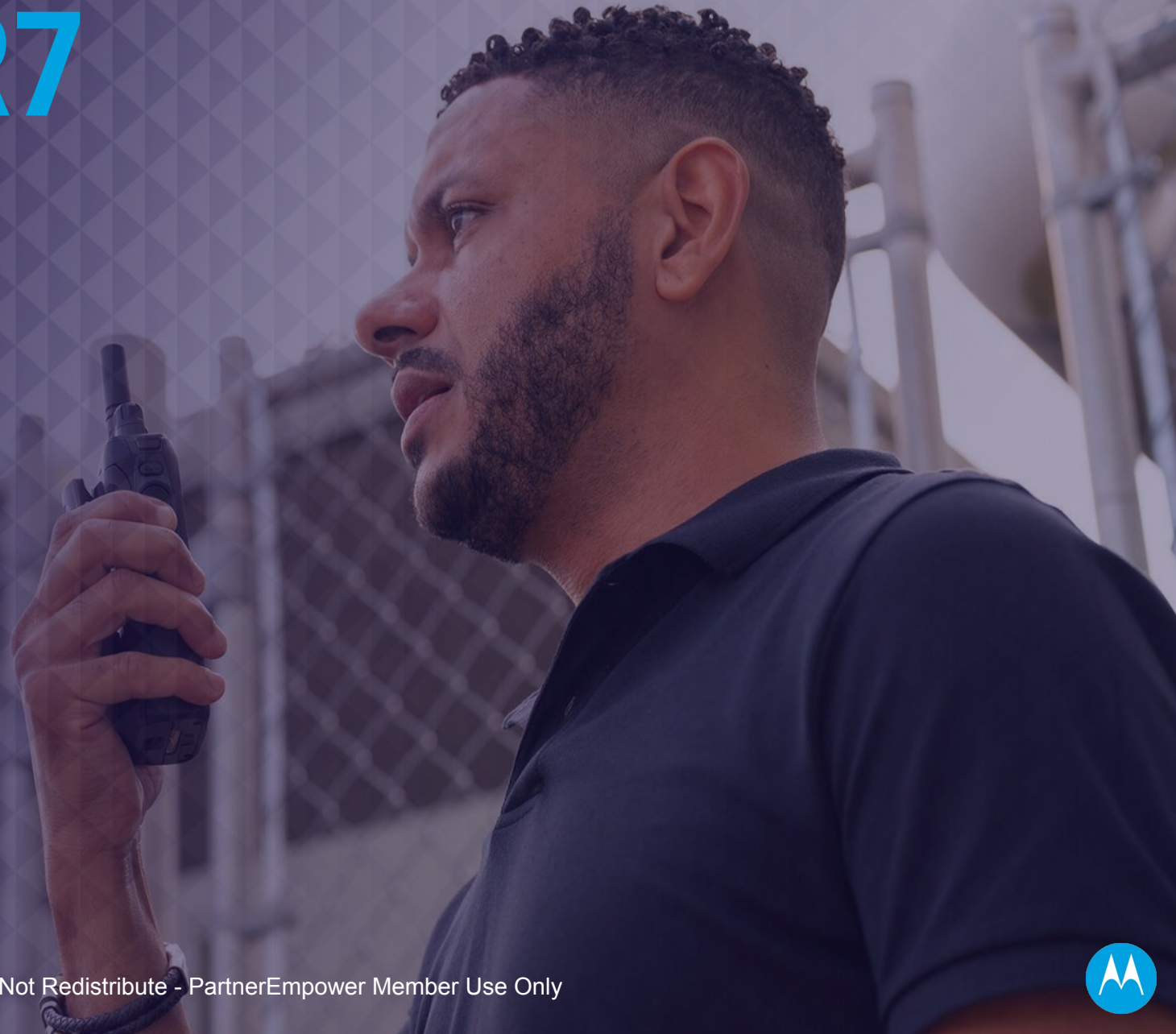


INTRODUCING THE NEXT-GENERATION RADIO

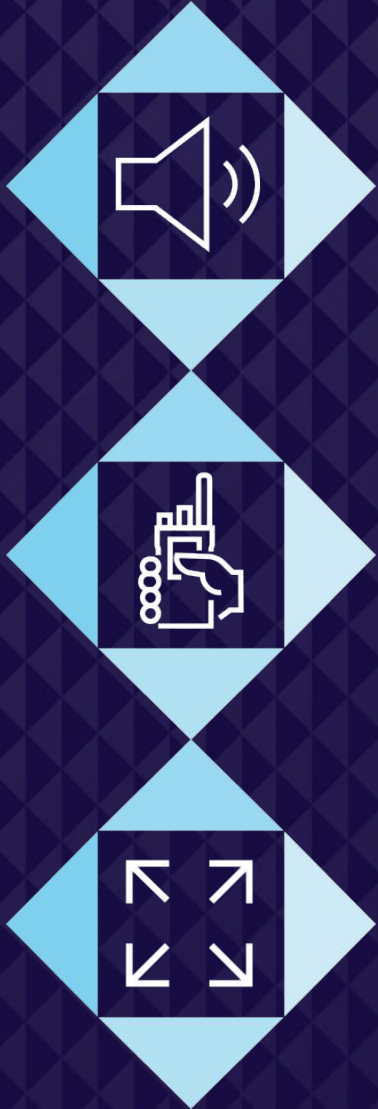
MOTOTRBO R7

ACCESSORIES

1. **R7 Key Features**
2. **R7 Featured Accessories:**
 - a. **Audio**
 - b. **Carry**
 - c. **Energy**
 - d. **Antennas**
 - e. **Miscellaneous**
 - f. **Battery Fleet Management**
3. **MOTOTRBO Accessories Catalog**



KEY FEATURES



LOUD AND CLEAR

SHARP, CLEAR AUDIO
BE HEARD ABOVE ALL ELSE
CUSTOMIZABLE AUDIO EXPERIENCE

FIT FOR BUSINESS

BUILT TO OUTPERFORM
CONNECTED WHEN IT COUNTS
MINIMIZE DOWNTIME

READY FOR TOMORROW

BIG FEATURES, COMPACT DESIGN
CRITICAL INFO AT FIRST GLANCE
CONNECT AND COLLABORATE



CUSTOMIZABLE EXPERIENCE



ADAPT YOUR RADIO WITH ACCESSORIES THAT MAKE YOUR FLEET EASIER TO USE AND MORE CAPABLE – ESPECIALLY IN LOUD ENVIRONMENTS

- Quickly reach and use your radio with remote speaker microphones and other accessories
- Extra loud profile can be supported on a number of purpose-built accessories
- Dust and corrosion-resistant accessory port adds more robustness and longevity



AUDIO
Loud and clear, designed for comfort and wearability



ENERGY
Maximize power for the longest shifts



CARRY
Secure, easy access



ANTENNAS
Designed for wearability



MOTOTRBO R7 | WIRED ACCESSORIES | REMOTE SPEAKERS MICS

RM780 Large RSM PMMN4128



- Loudness 102 phon max ✓
- Wideband audio
- Windporting microphone
- SINC+ supported for noise suppression
- 3.5mm jack
- IP68
- UL certified
- Emergency button ✓
- Work-when-wet feature ✓
- 2 programmable buttons ✓
- System volume control ✓

RM760 Large Wired RSM PMMN4140



- Loudness 102 phon max ✓
- Wideband audio
- Windporting microphone
- SINC+ supported for noise suppression
- 3.5mm jack
- Work-when-wet feature ✓
- IP68
- UL certified

RM730 Small Wired RSM PMMN4131



- Loudness 99 phon max
- Wideband audio
- Windporting microphone
- SINC+ supported for noise suppression
- 3.5mm jack
- IP68
- UL certified
- Emergency button ✓

RSM Replacement Parts

- PMKN4232 - RSM Replacement Cable
- PMLN8121 - RSM Low Profile Swivel Clip
- PMLN8122 - Replacement Dust Cover for RSM (QTY: 10)



- New RSMs feature the GCAI Mini-Connector



MOTOTRBO R7 | WIRED ACCESSORIES | SURVEILLANCE

1- Wired Surveillance Earpiece PMLN8341



- Single wire inline microphone and Push-to-Talk (PTT)
- Surveillance clear acoustic tube
- Loud audio supported, up to 125dB
- Wideband ready for better audio quality
- UL certified

2- Wire Surveillance Earpiece PMLN8342



- 2 wires solution:
 - 1 wire with Rx clear acoustic tube
 - 1 wire with mic/PTT/programmable button
- Loud audio supported, up to 125dB
- Wideband ready for better audio quality
- UL certified

3- Wire Surveillance Earpiece PMLN8343



- 3 wires surveillance solution:
 - 1 wire with Rx clear acoustic tube
 - 1 wire with PTT/programmable button
 - 1 wire with microphone
- Loud Audio Supported, up to 125dB
- Wideband ready for better audio quality
- Ideal for discreet communication
- UL certified

MOTOTRBO R7 | WIRED ACCESSORIES | EARPIECES

1- Wired Single Earbud Earpiece with Removable Earhook PMLN8337



- Single wire inline microphone with Push-to-Talk
- Single earbud with removable ear-hook for secure attachment
- Loud audio supported, up to 125dB
- Wideband ready for better audio quality

2-Wire Swivel Earpiece with Removable Eartip PMLN8295



- 2 wires solution:
 - 1 wire with Rx clear acoustic tube
 - 1 wire with mic/PTT/programmable button
- Loud audio supported, up to 125dB
- Wideband ready for better audio quality
- UL certified

3.5mm Rx Only Translucent Tube Earpiece PMLN8120



- Translucent acoustic tube
- Perfect for private security, rental, retail and hospitality
- Use with PMMN4128, PMMN4131, PMMN4140 RSMs
- Loud audio supported, up to 125dB
- Wideband ready
- UL certified

MOTOTRBO R7 | WIRED ACCESSORIES | HEAVY DUTY HEADSETS

Heavy Duty Noise Cancelling Headsets

PMMN8085



PMMN8086



- Ideal for industrial workers
- Soft gel ear seals
- Maximum comfort for extended wear
- Direct connection to the radio
- Push to talk button on the ear muff
- Noise reduction rating of 24dB
- UL certified

3M Heavy Duty Headsets

PMLN8267



- Helmet attachment headset (NRR 24dB)

PMLN8265



- Over the head headset (NRR 26dB)

PMLN8266



- Behind the head headset (NRR 24dB)

- These 3M heavy duty headsets are compatible with the **3M Peltor Nexus body PTT Adapter** shown below



PMLN8297

MOTOTRBO R7 | WIRELESS ACCESSORIES | WIRELESS RSM

WM500 WIRELESS BLUETOOTH RSM PMMN4127



- Pairing: NFC & Bluetooth 5.0 (100m Line of Sight)
- Loudness 100 phon max (@30cm)
- Clear Voice Communication (cVc)* noise cancellation
- Windporting Microphone
- Dedicated PTT for use with gloves
- Emergency button
- Side multifunction button, 4 front programmable buttons, volume control, power on/off button
- 3.5mm Rx only audio jack with [PMLN7560](#) translucent receive-only earpiece
- 18 hrs talk time
- IP67
- Approximately 2 hours charging via micro USB
- USB-C Charging - Replaceable Battery

WM500 DEVICE COMPATIBILITY

MOTOTRBO R7*

MOTOTRBO ION, EVOLVE, LEX L11, TLK series, SLN1000
Kodiak 10.0 & later (BYOD Android and iOS**)

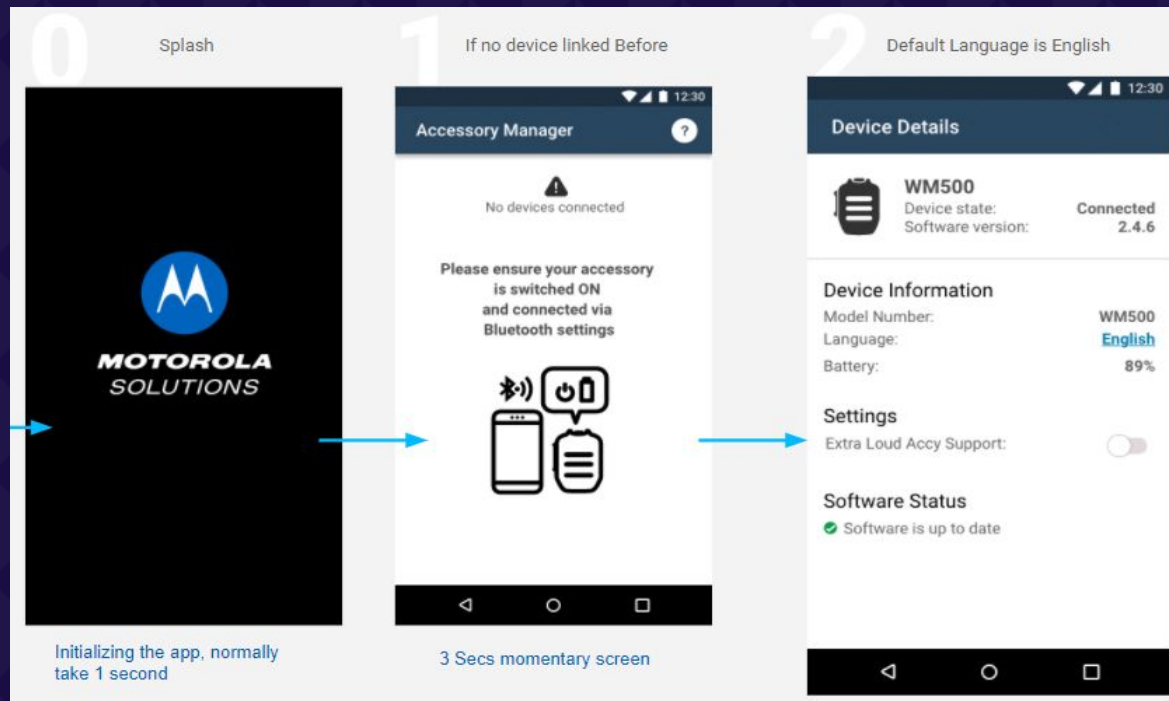
NOT compatible with WAVE 5000 (Tactical)

Requires RSM software version V4.0.0

***Compatibility with IOS coming end of Q1-2022*

MOTOTRBO R7 | WIRELESS ACCESSORIES | WIRELESS RSM

WM500 Firmware Updates Wireless Bluetooth RSM



Check the Bluetooth Accessory Software Version & Upgrade

- Install Accessory Manager* from Play Store (Android)
- Pair the accessory to the Android phone.
- Open Accessory Manager app to view the BT accessory software version.
- Update to the latest WM500 version (V.4.0.0 and above).

Pairing WM500 with R7

- While RSM is powered off, press and hold the Power button until you hear “Power On” followed by “Searching for Host” and the blue LED blinks during pairing mode.
- From the R7 radio menu, search and select “WM500” from the Bluetooth list.
- While the R7 is being paired, a tone/voice prompt is played and Radio will display “Connected”.
- Press the Multi-Function button (MFB) on the side of the RSM to finalize the connection pairing process.

***Note:** Accessory Manager will be available in the Apple App Store in March 2022.

MOTOTRBO R7 | ENERGY ACCESSORIES | BATTERIES

2200mAh Battery PMNN4807



IMPRES Li-Ion, 2200mAh
IP68, Slim Battery

2850mAh Battery PMNN4809



IMPRES Li-Ion, 2850mAh
IP68, Slim Battery

3200 mAh Battery PMNN4810



IMPRES Li-Ion, 3200mAh
IP68. TIA4950 Battery



R7 batteries are first of its kind, **self-calibrated / reconditioning** batteries

Batteries with this self calibration feature can be identified through this logo on the battery label. These batteries will not require to go through the traditional long hours of IMPRES calibration or recondition process, when charged using following IMPRES or IMPRES 2 chargers*

*PMPN4576 (IMPRES SINGLE UNIT CHARGER KIT) or PMPN4284 (IMPRES 2 MULTI UNIT CHARGER KIT), with SW ver V2.02 and above.

MOTOTRBO R7 | ENERGY ACCESSORIES | CHARGERS



PMPN4284*

IMPRES 2 Multi-Unit Fast charger Kit with 1 Display, US Plug (MUC Base P/N PMPN4283)



PMPN4576

Single Unit Charger Kit (New!)



NNTN7616

IMPRES Single Unit Vehicle Charger



NNTN8525

Cigarette Lighter Travel Charger, Rapid Rate, 12V



BR000272A01

Wall Mount Bracket for IMPRES 2 Multi-Unit Charger



25009297001

Power Supply Replacement for Single Unit Charger, US Plug



Image not available

PS000242A01

Power Supply Replacement without Power Cord, 100-240 VAC

*IMPORTANT

In order to take advantage of R7 batteries reconditioning and self calibration your MUC Software version should be V.2.02 and above. For instructions on how to update the MUC software version refer to the **MUC MSI Charger Reprogrammer Installation Software** (P/N MN005630A01) posted in both MSI LXP system as well as on the MSI website ([IMPRES Battery Management](#)).

For more instructions on MUC operation refer to **MUC User Manual** (P/N MN003555A01) posted on MSI LXP.

MOTOTRBO R7 | CARRY ACCESSORIES



PMLN8301

Hard Leather Carry Case,
3" Fixed Belt Loop, Display



PMLN8300

Hard Leather Carry Case,
2.5" Swivel Belt Loop, Display



PMLN8299

Hard Leather Carry Case,
3" Swivel Belt Loop, Display



PMLN4651

2" Belt Clip



PMLN7008

2.5" Belt Clip



PMLN8304

Hard Leather Carry Case, 3"
Fixed Belt Loop, Non
Display



PMLN8303

Hard Leather Carry Case,
2.5" Swivel Belt Loop, Non
Display



PMLN8304

Hard Leather Carry Case, 3"
Swivel Belt Loop, Non
Display

Other carry accessories (re-use of MOTOTRBO XPR7000e):

- Waterproof bag with large strap - HLN9985
- Universal chest pack with radio holder, pen holder and velcro secured pouch - HLN6602
- Adjustable Nylon Carry Strap - NTN5243
- Leather Radio Straps - RLN6486 / RLN6487
- Anti-Sway strap - RLN6488
- Nylon Wrist Strap - PMLN6074

Note: All hard leather carry cases are new items. The rest of the carry accessories are re-use from the MOTOTRBO Portfolio Accessories.

MOTOTRBO R7 | ANTENNAS

Stubby
(6cm)



AN000350A01 400 - 450 MHz
AN000351A01 440 - 490 MHz

Stubby
(9cm)



PMAE4069A 400-450 MHz
PMAE4070A 440-490 MHz
PMAE4071A 470-527 MHz
PMAD4119A 136-148 MHz
PMAD4120A 147-160 MHz
PMAD4121A 160-174 MHz

Whip
(9cm)



AN000348A01 400 - 527MHz

Whip
(15cm)



PMAE4079A 400-527 MHz - Slim Whip
PMAD4116A 144-165 MHz - Helical
PMAD4117A 136-155 MHz - Helical
PMAD4118A 152-174 MHz - Helical
PMAD4147A 136-174 MHz (20cm) - Whip

Antenna ID Bands



32012144001



32012144002



32012144003



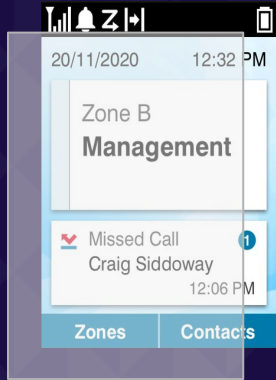
32012144004



32012144005

Note: All R7 Antennas are re-use of other MOTOTRBO Ion and MOTOTRBO XPR7000e.

MOTOTRBO R7 | MISCELLANEOUS ACCESSORIES



Screen Protectors

QTY: 1 - **AY000808A01**

QTY: 10 - **AY000808A02**

QTY: 50 - **AY000808A03**



PMKN4265

Mini-GCAI Interface Data Transfer Cable

Connects radio to computer thru USB Port and allows data transfer like audio recordings from the device.



Image not available

PMKN4231

Programming, Test & Tune Cable

Connects radio to computer thru USB Port and allows data transfer like audio recordings from the device.



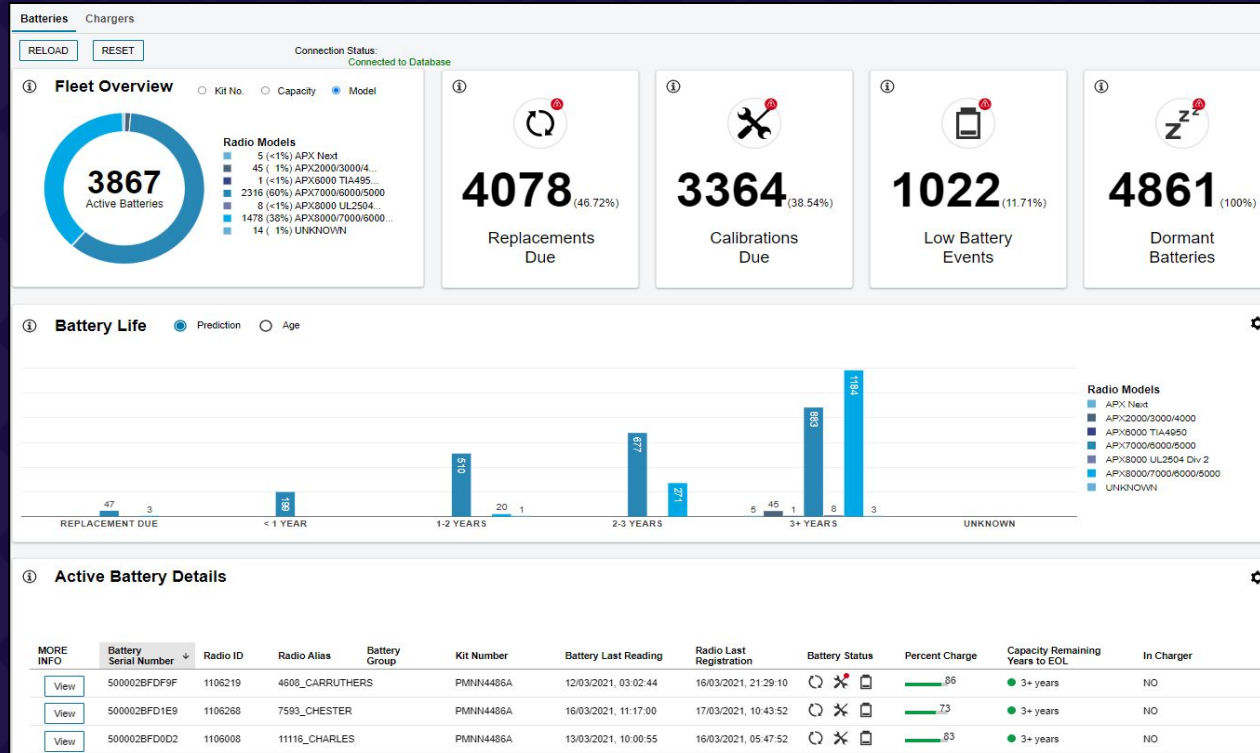
PMHN4429

Mini-GCAI Dust Cover

Whenever not in use, it is advised to protect the Mini-GCAI connector by installing a dust cover.

Note: PMKN4231A (MOTOTRBO Ion UL certified cable) can be used to program R7 Series Radios.

MOTOTRBO R7 | IMPRES BATTERY FLEET MANAGEMENT | V 4.0



Example shown above: IMPRES battery fleet management active battery report

With the unique IMPRES Battery Reader and IMPRES Battery Fleet Management systems, efficiently manage your batteries with real-time data not available with other manufacturers' batteries. Our easy-to-use software applications show you if there is enough capacity for a full shift, alert you to low capacity batteries, prevent downtime and eliminate throwing batteries out prematurely.

Purpose: Ensure optimal fleet performance. Optimize tracking and replacement of IMPRES & IMPRES 2 batteries. Determine type and quantity of batteries to reorder.

Unique Value: Collect raw data and display with meaningful and intelligent reports.

Target Users: System, Radio, IT managers and Technicians

How it Works: Over-the-Air (OTA) via *Radio System and/or wired via Multi Unit Charger (MUC)

* OTA is supported by the following MOTOTRBO Radio Systems:

- Direct Mode (12.5e and 6.25e)
- Single Site Repeater
- IP Site Connect
- Capacity Plus
- Linked Capacity Plus
- Capacity Max
- NOTE: Not compatible with Connect Plus

MOTOTRBO R7 | ACCESSORIES CATALOG



CATALOG | MOTOTRBO PROFESSIONAL SERIES RADIO ACCESSORIES

MOTOTRBO PROFESSIONAL SERIES TWO-WAY RADIO ACCESSORIES

UNLEASH THE POWER OF YOUR RADIO

MOTOTRBO R7 RADIO ACCESSORIES

SURVEILLANCE ACCESSORY REPLACEMENT KITS

| COMPATIBILITY | DESCRIPTION | PART NUMBER | FEATURES |
|---------------|--|-------------|------------------------|
| RT | Replacement Ear Hook, Edge Mount (2 per pack) | PAK6002 | Ear Hook Size: PAK6002 |
| RT | Replacement Rubber Ear Pad, Small (2 per pack) | PAK6003 | Ear Hook Size: PAK6003 |
| RT | Replacement Rubber Ear Pad, Large (2 per pack) | PAK6004 | Ear Hook Size: PAK6004 |
| RT | Replacement Rubber Ear Pad, Small (2 per pack) | PAK6005 | Ear Hook Size: PAK6005 |
| RT | Replacement Rubber Ear Pad, Large (2 per pack) | PAK6006 | Ear Hook Size: PAK6006 |
| RT | Replacement Rubber Ear Pad, Small (2 per pack) | PAK6007 | Ear Hook Size: PAK6007 |
| RT | Replacement Rubber Ear Pad, Large (2 per pack) | PAK6008 | Ear Hook Size: PAK6008 |

HEADSETS

| COMPATIBILITY | DESCRIPTION | PART NUMBER | FEATURES |
|---------------|---|-------------|--|
| RT | Headset with boom microphone and noise reduction (2 per pack) | PAK6009 | Microphone: Boom, Noise Reduction: Yes, Ear Hook Size: PAK6009 |
| RT | Headset with boom microphone and noise reduction (2 per pack) | PAK6010 | Microphone: Boom, Noise Reduction: Yes, Ear Hook Size: PAK6010 |

3M PELTOR HEADSETS

NEW CLEAR AUDIO

Introducing the new CLEAR AUDIO™ feature on the MOTOTRBO R7. This feature allows you to hear your calls clearly, even in noisy environments. The CLEAR AUDIO feature is available on the following models: PAK6009, PAK6010, PAK6011, PAK6012, PAK6013, PAK6014, PAK6015, PAK6016, PAK6017, PAK6018, PAK6019, PAK6020, PAK6021, PAK6022, PAK6023, PAK6024, PAK6025, PAK6026, PAK6027, PAK6028, PAK6029, PAK6030, PAK6031, PAK6032, PAK6033, PAK6034, PAK6035, PAK6036, PAK6037, PAK6038, PAK6039, PAK6040, PAK6041, PAK6042, PAK6043, PAK6044, PAK6045, PAK6046, PAK6047, PAK6048, PAK6049, PAK6050, PAK6051, PAK6052, PAK6053, PAK6054, PAK6055, PAK6056, PAK6057, PAK6058, PAK6059, PAK6060, PAK6061, PAK6062, PAK6063, PAK6064, PAK6065, PAK6066, PAK6067, PAK6068, PAK6069, PAK6070, PAK6071, PAK6072, PAK6073, PAK6074, PAK6075, PAK6076, PAK6077, PAK6078, PAK6079, PAK6080, PAK6081, PAK6082, PAK6083, PAK6084, PAK6085, PAK6086, PAK6087, PAK6088, PAK6089, PAK6090, PAK6091, PAK6092, PAK6093, PAK6094, PAK6095, PAK6096, PAK6097, PAK6098, PAK6099, PAK6100.

INTELLIGENT AUDIO: YOUR CALLS ANSWER AT THE PERFECT VOLUME

Set your volume once and forget it ever again. Intelligent Audio™ automatically adjusts the volume of your calls to match the ambient noise level, ensuring you hear every word clearly.

NEW CLEAR MESH CONNECTOR
Compact, wired accessory connector

IMT100 SIM

More details and compatibility regarding all MOTOTRBO Accessories can be found in the [MOTOTRBO Professional Two-Way Radio Accessories Catalog](#).

BACKUP

MOTOTRBO R7 Series | ACCESSORY PORTFOLIO AT GLANCE



RM780
PMMN4128

- Loud audio, **102dBphon** max
- SINC+
- 3.5mm jack
- **Emergency**
- **Works while wet**
- **2 prog.button**
- **System vol control**
- IP68
- Wideband Audio
- Windporting
- UL Certified



RM760
PMMN4140

- Loud audio, **102dBphon** max
- SINC+
- 3.5mm jack
- **Works while wet**
- 2 prog.button
- System vol control
- IP68
- Wideband Audio
- Windporting
- UL Certified



RM730
PMMN4131

- Loud audio, **99dBphon** max
- SINC+
- 3.5mm jack
- **Emergency**
- IP68
- Wideband audio
- Windporting
- UL Certified



PMLN8341A



PMLN8342A



PMLN8343A

1/2/3 WIRE OPTIONS

- Small and lightweight for better wearability
- Modern design
- Support extra loud capability, 3dB louder
- Support wideband



PMLN8120A
3.5mm RX only



PMLN8295A



PMLN8337A



PMLN8085A / PMLN8086A



Heavy Duty Headsets (Nexus)

- Peltor 3M Body PTT, PMLN8297
- Behind-the-head style, PMLN8266
- Over-the-head style, PMLN8265
- Helmet attachment style, PMLN8267

Heavy Duty Headsets (Direct)

- MSI brand
- Behind-the-head style
- Over-the-head style



Belt Clips

- 2in belt clip, PMLN4651
- 2.5in belt clip, PMLN7008



Hard Leather Cases

- Full keypad version
- Non display version
- Swivel belt loop
- Fixed belt loop
- Total **6** different variations depending on the radio model and type of loop.

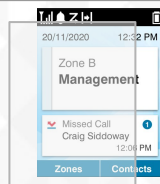


WM500 - WIRELESS BLUETOOTH RSM
(PMMN4127A)

- Loudness 100 phon max
- cVc noise cancellation
- Dedicated PTT
- Emergency button
- Side multifunction button, 4x front programmable buttons, volume control, power on/off button
- 3.5mm Rx only audio jack with PMLN7560
- 18 hrs talk time, IP67
- Approximately 2 hours charging via micro USB
- Minimum RSM software version V4.0.0



Programming Cable (PMKN4265A)



Screen Protector (AY000808A02 10pcs / AY000808A03 50pcs)



MUC
PMPN4284



SUC
PMPN4576



Travel Charger
NNTN8525



Vehicle Charger
NNTN7616

- Most chargers are re-use of Mototrbo XPR7000e



PMNN4807
IMPRES Li-Ion 2200mAh
Slim Battery



PMNN4809
IMPRES Li-Ion 2850mAh
Slim Battery



PMNN4810
IMPRES Li-Ion 2850mAh
TIA-4950 UL Battery



Stubby 6cm
Antennas



Stubby 9cm



Whip 9cm



Whip 15cm

- R7 Antennas are re-use of Ion and Mototrbo XPR7000e. Total 14 different antennas.

