





# MOTOTRBO R7




















## RADIO ACCESSORIES

### OPERATIONS CRITICAL WIRELESS BLUETOOTH® ACCESSORIES




Connect your MOTOTRBO R7 radio to the WM500 Wireless Remote Speaker Microphone with a built in battery that lasts up to 40 hours.

COMPATIBILITY		ACCESSORY	FEATURES											VERTICAL MARKETS: Recommendations based on typical use case for each vertical listed.						
PORTABLE RADIOS	DESCRIPTION	PART NUMBER	EARPIECE TYPE	MICROPHONE	PTT	TALK TIME (HOURS) 5/5/90 DUTY CYCLE	CHARGE TIME (HOURS)	WEIGHT (GRAMS)	DIMENSIONS (MM)	OPERATIONS CRITICAL / ENHANCED OPERATIONS CRITICAL	TOUCH / STANDARD PAIRING	RANGE (FEET LINE OF SIGHT)	IP RATING	HAZLOC CAPABLE**	TRANSPORTATION AND LOGISTICS	MINING	UTILITIES	OIL & GAS	MANUFACTURING	CONSTRUCTION
	 WM500 Wireless Remote Speaker Microphone (compatible with PMLN7560 3.5mm earpiece)	PMMN4127	N/A	Omni directional, Windporting	On Microphone	18	2	128	80 x 57.5 x 24.5	Operations Critical	STANDARD	30	IP67	N/A	•	•	•		•	•

### SURVEILLANCE ACCESSORIES AND EARPIECES




COMPATIBILITY		ACCESSORY			FEATURES						VERTICAL MARKETS: Recommendations based on typical use case for each vertical listed.					
PORTABLE RADIOS	DESCRIPTION	PART NUMBER	IMPRES	INTELLIGENT AUDIO	EARPIECE TYPE	MICROPHONE	PTT	PROGRAMMABLE BUTTON	HAZLOC CAPABLE**	TRANSPORTATION AND LOGISTICS	MINING	UTILITIES	OIL & GAS	MANUFACTURING	CONSTRUCTION	
	 IMPRES™ 1-Wire Surveillance Kit with Translucent Tube, Loud Audio, Black	PMLN8341	•	•	 Clear Rubber Eartip				UL	•	•	•		•	•	
	 IMPRES™ 2-Wire Surveillance Kit with Translucent Tube, Loud Audio, Black	PMLN8342	•	•	 Clear Rubber Eartip				UL	•	•	•		•	•	
	 IMPRES™ 3-Wire Surveillance Kit with Translucent Tube, Loud Audio, Black	PMLN8343	•	•	 Clear Rubber Eartip				UL	•	•	•		•	•	
	 IMPRES™ 2-Wire Swivel Earhook with Removable Eartip, Loud Audio, Black	PMLN8295	•	•	 Removable Black Rubber Eartip				UL	•	•	•		•	•	
	 IMPRES™ 1-Wire Single Earbud with Removable Earhook, Loud Audio, Black	PMLN8337	•	•	 Single Earbud						•	•	•		•	•

**REMOTE SPEAKER MICROPHONES ACCESSORIES WITH STANDARD 3.5MM JACK**






COMPATIBILITY PORTABLE RADIOS	ACCESSORY		FEATURES	
	DESCRIPTION	PART NUMBER	EARPIECE TYPE	HAZLOC CAPABLE**
 R7	 Receive-Only Earpiece with Translucent Tube, Loud Audio (for PMMN4128, PMMN4131, PMMN4140)	PMLN8120	Clear Rubber Eartip	UL
	 Receive-Only Earpiece with Translucent Tube and Rubber Eartip	PMLN7560	Clear Rubber Eartip	

\*\*HazLoc Details: For more information on which accessories are approved by Underwriters' Laboratory (UL) with certain MOTOTRBO models, please consult the manual provided with each UL-approved MOTOTRBO portable.




**SURVEILLANCE ACCESSORY REPLACEMENT KITS**

COMPATIBILITY PORTABLE RADIOS	ACCESSORY		FEATURES	
	DESCRIPTION	PART NUMBER	EARPIECE TYPE	COMPATIBLE EARPIECE
 R7	 Replacement Quick Disconnect Translucent Tube with Clear Rubber Eartip	PMLN8092	Clear Rubber Eartip	PMLN8120 PMLN8341 PMLN8342 PMLN8343
	 Replacement Rubber Eartip, Small (5 per pack)	PMLN8068	Black Rubber Eartip	PMLN8295
	 Replacement Rubber Eartip, Medium (5 per pack)	PMLN8069		
	 Replacement Rubber Eartip, Large (5 per pack)	PMLN8070		
	 Replacement Rubber Sleeve, Small (25 per pack)	PMLN8363	Black Rubber Sleeve Clear Rubber Eartip	PMLN8337
	 Replacement Rubber Sleeve, Medium (25 per pack)	PMLN8364		
	 Replacement Rubber Sleeve, Large (25 per pack)	PMLN8365		

**REMOTE SPEAKER MICROPHONES REPLACEMENT KITS**

COMPATIBILITY PORTABLE RADIOS	ACCESSORY	
	DESCRIPTION	PART NUMBER
 R7	 Replacement Coil Cord Kit for PMMN4128, PMMN4131, PMMN4140	PMKN4232
	 Low Profile Swivel Clip for PMMN4128, PMMN4131, PMMN4140	PMLN8121
	 Replacement Dust Cover (10 per pack) for PMMN4128, PMMN4140	PMLN8122
	 Replacement Dust Cover (10 per pack) for PMMN4131	PMLN8253






### HEADSETS

COMPATIBILITY		ACCESSORY	FEATURES									VERTICAL MARKETS: Recommendations based on typical use case for each vertical listed.					
PORTABLE RADIOS	DESCRIPTION	PART NUMBER	HEADSET TYPE	EARPIECE STYLE	IMPRES	INTELLIGENT AUDIO	NOISE REDUCTION RATING	MICROPHONE	PTT	WEIGHT	HAZLOC CAPABLE**	TRANSPORTATION AND LOGISTICS	MANUFACTURING AND CONSTRUCTION	UTILITIES OR PUBLIC SERVICE	OIL & GAS	MINING	CONSTRUCTION
 R7	 Heavy Duty Behind-the-Head Headset with Noise-Canceling Boom Microphone (See user guide for replacement parts)	PMLN8085	Behind-the-Head	Dual-Muff	•	•	24 dB	Boom	On Ear Cup	Heavy Duty	UL	•	•	•	•		
	 Heavy Duty Over-the-Head Headset with Noise-Canceling Boom Microphone (See user guide for replacement parts)	PMLN8086	Over-the-Head	Dual-Muff	•	•	24 dB	Boom	On Ear Cup	Heavy Duty	UL	•	•	•	•		

\*\*HazLoc Details: For more information on which accessories are approved by Underwriters' Laboratory (UL) with certain MOTOTRBO models, please consult the manual provided with each UL-approved MOTOTRBO portable.





### 3M PELTOR HEADSETS

The 3M Peltor CH-3 Series is designed for industrial users working in high noise environments.

COMPATIBILITY		ACCESSORY	FEATURES							VERTICAL MARKETS: Recommendations based on typical use case for each vertical listed.					
PORTABLE RADIOS	DESCRIPTION	PART NUMBER	HEADSET TYPE	CONNECTOR TYPE	SPEAKER	NOISE REDUCTION RATING (NRR)	MICROPHONE	PTT (MOTOTRBO)	HAZLOC CAPABLE**	TRANSPORTATION AND LOGISTICS	MANUFACTURING AND CONSTRUCTION	UTILITIES OR PUBLIC SERVICE	OIL & GAS	MINING	CONSTRUCTION
<b>PTT ADAPTER CONFIGURATIONS</b>															
 R7	 CH-3 Series Over-the-Head Headset with Nexus Connector (See user guide for replacement parts)	PMLN8265	Over-the-Head	Nexus	Dual-Ear	26 dB	Boom	Requires PTT Adapter PMLN8297		•	•	•	•	•	•
	 CH-3 Series Neckband Headset with Nexus Connector (See user guide for replacement parts)	PMLN8266	Neckband	Nexus	Dual-Ear	24 dB	Boom	Requires PTT Adapter PMLN8297		•	•	•	•	•	•
	 CH-3 Series Hard Hat Attached with Nexus Connector (Hat not included) (See user guide for replacement parts)	PMLN8267	Hard Hat Attached	Nexus	Dual-Ear	24 dB	Boom	Requires PTT Adapter PMLN8297		•	•	•	•	•	•
	 PTT Nexus Adapter (Requires headset - options listed above)	PMLN8297	N/A	N/A	N/A	N/A	N/A	N/A	N/A		•	•	•	•	•

### BATTERIES

Slim, high capacity batteries, powered by new lithium cells. Our batteries are uniquely designed and rigorously tested, not compromising on quality.






COMPATIBILITY PORTABLE RADIOS	ACCESSORY		FEATURES							
	DESCRIPTION	PART NUMBER	IMPRES*	CHEMISTRY	TYPICAL CAPACITY (mAh)	DIMENSIONS (MM) H X L X D	WEIGHT (GRAMS)	HAZLOC CAPABLE**	IP RATING	OPERATING TEMPERATURE (DISCHARGE)
		IMPRES Li-Ion 2200mAh IP68 Slim Battery PMNN4807	●	Li-Ion	2200	116 x 55 x 17	118		IP68	-20°C to +60°C
		IMPRES Li-Ion 2850mAh IP68 Slim Battery PMNN4809	●	Li-Ion	2850	116 x 55 x 17	135		IP68	-20°C to +60°C
		IMPRES Li-Ion 3200mAh IP68 TIA4950 Battery PMNN4810	●	Li-Ion	3200	116 x 55 x 23	168	UL	IP68	-20°C to +60°C

\* MOTOTRBO R7 IMPRES batteries comes with self-calibration feature when used with IMPRES Single-Unit Charger and IMPRES 2 Multi-Unit Fast Charger (SW ver V2.00 and above) listed under Charging Solutions for MOTOTRBO R7.

\*\* HAZLOC details: For more information on which accessories are approved by Underwriters' Laboratory (UL) with certain MOTOTRBO models, please consult the manual provided with each UL- approved MOTOTRBO portable.

### CHARGING SOLUTIONS

Choose from a variety of solutions including single-unit, multi-unit, travel and in-vehicle chargers and be confident your radio is charged and ready to go the moment you need it. Charge a single battery or while it is attached to your R7 radio.

COMPATIBILITY PORTABLE RADIOS	ACCESSORY		FEATURES				
	DESCRIPTION	PART NUMBER	IMPRES*	CHEMISTRY	POWER SOURCE	DIMENSIONS (MM) H X L X D	NUMBER OF POCKETS
		IMPRES Single-Unit Charger, US Plug PMPN4576A	●	Li-Ion, NiMh	120 VAC	51 x 88 x 94	1
		IMPRES Single-Unit Charger, ARG Plug PMPN4573A	●	Li-Ion, NiMh	240 VAC	51 x 88 x 94	1
		IMPRES Single-Unit Charger, BRZ Plug PMPN4575A	●	Li-Ion, NiMh	100-240 VAC	51 x 88 x 94	1
		IMPRES Single-Unit Charger, EURO Plug PMPN4577A	●	Li-Ion, NiMh	240 VAC	51 x 88 x 94	1

### WHAT IS IMPRES SELF-CALIBRATION?



IMPRES batteries with self calibration feature can be identified through this logo on the battery label. These batteries do not require long hours of IMPRES calibration or recondition process, when charged with:

- IMPRES Single Unit Charger



- IMPRES 2 Multi Unit Charger (SW ver V2.00\* and above)

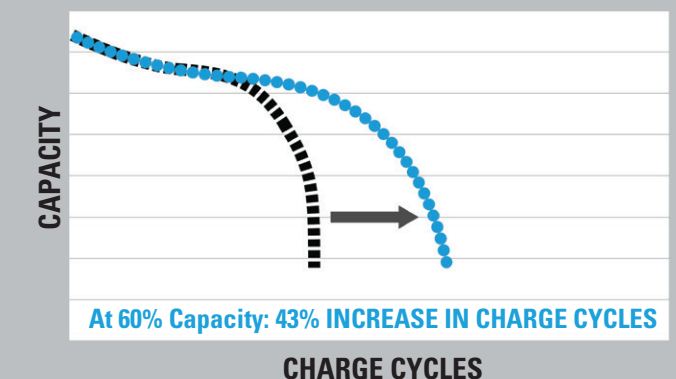


\* If the R7 IMPRES battery is initially inserted into the charger with older software, it will begin the initialization process with a solid yellow indication. Do not remove the battery from the charger until the charger indicates solid green. This process may take up to 8 hours.






### HOW DO IMPRES BATTERIES AND CHARGERS SAVE MONEY?

They reduce the number of spare batteries you would need to buy and increase the time before you need replacements. Only IMPRES batteries can be charged 150 additional times versus a standard battery – a 43% increase in charge cycles. If you charge radios two to three times a week, you will get more than an extra year out of every IMPRES battery.




### ONLY IMPRES BATTERIES CAN BE CHARGED 150 TIMES MORE THAN STANDARD BATTERIES AND LAST 43% LONGER



**CHARGING SOLUTIONS REPLACEMENT KITS**








COMPATIBILITY		ACCESSORY	FEATURES				
PORTABLE RADIOS	DESCRIPTION	PART NUMBER	IMPRES	CHEMISTRY	POWER SOURCE	DIMENSIONS (MM) H X L X D	NUMBER OF POCKETS
 R7	 Replacement Power Supply for IMPRES Single-Unit Charger, US Plug	25009297001			120 VAC		
	 Replacement Power Supply for IMPRES Single-Unit Charger, ARG Plug	PS000037A04			240 VAC		
	 Replacement Power Supply for IMPRES Single-Unit Charger, BRZ Plug	EPNN9356A			100-240 VAC		
	 Replacement Power Supply for IMPRES Single-Unit Charger, EURO Plug	PS000037A01			240 VAC		

**VEHICLE CHARGING SOLUTIONS**


COMPATIBILITY		ACCESSORY	FEATURES				
PORTABLE RADIOS	DESCRIPTION	PART NUMBER	IMPRES	CHEMISTRY	POWER SOURCE	DIMENSIONS (MM) H X L X D	NUMBER OF POCKETS
 R7	 Replacement Power Supply for IMPRES Single-Unit Charger, US Plug	NNTN7616	●	Li-Ion, NiMh	12 VDC (hardwire)	200 x 83 x 97	1
	 Travel Charger, Rapid Rate with Voltage Regulated Adapter, Custom Charger Base, Mounting Bracket and Coil Cord	NNTN8525		Li-Ion, NiMh	12 VDC Cigarette Lighter Adapter	58 x 64 x 67	1

**CHARGING SOLUTIONS**

Charge up to 6 R7 radios or batteries simultaneously with our IMPRES 2 Multi-Unit Fast Charger.

COMPATIBILITY		ACCESSORY		FEATURES			
PORTABLE RADIOS	DESCRIPTION	PART NUMBER	IMPRES	CHEMISTRY	POWER SOURCE	DIMENSIONS (MM) H X L X D	NUMBER OF POCKETS
 <b>R7</b>	 IMPRES 2 Multi-Unit Fast Charger with 1 Display, US Plug	PMPN4284	●	Li-Ion, NiMh	100-240 VAC	153 x 445 x 292	6
	 IMPRES 2 Multi-Unit Fast Charger with 1 Display, UK Plug	PMPN4290	●	Li-Ion, NiMh	100-240 VAC	153 x 445 x 292	6
	 IMPRES 2 Multi-Unit Fast Charger with 1 Display, EURO Plug	PMPN4289	●	Li-Ion, NiMh	100-240 VAC	153 x 445 x 292	6
	 IMPRES 2 Multi-Unit Fast Charger with 1 Display, ARG Plug	PMPN4291	●	Li-Ion, NiMh	100-240 VAC	153 x 445 x 292	6
	 IMPRES 2 Multi-Unit Fast Charger with 1 Display, BZL Plug	PMPN4292	●	Li-Ion, NiMh	100-240 VAC	153 x 445 x 292	6
	 Wall Mount Bracket for IMPRES 2 Multi-Unit Charger	BR000272A01					6
	 Interchangeable Charging Pocket	AS000129A01					6
	 Interchangeable Charging Pocket	AS000129A01			100-240 VAC		
	 Power Cord for IMPRES 2 Multi-Unit Charger, US Plug	3087791G01				2300	
	 Power Cord for IMPRES 2 Multi-Unit Charger, UK Plug	3087791G07				2300	
 Power Cord for IMPRES 2 Multi-Unit Charger, EURO Plug	3087791G04				2300		
 Power Cord for IMPRES 2 Multi-Unit Charger, BZL Plug	3087791G22				2300		

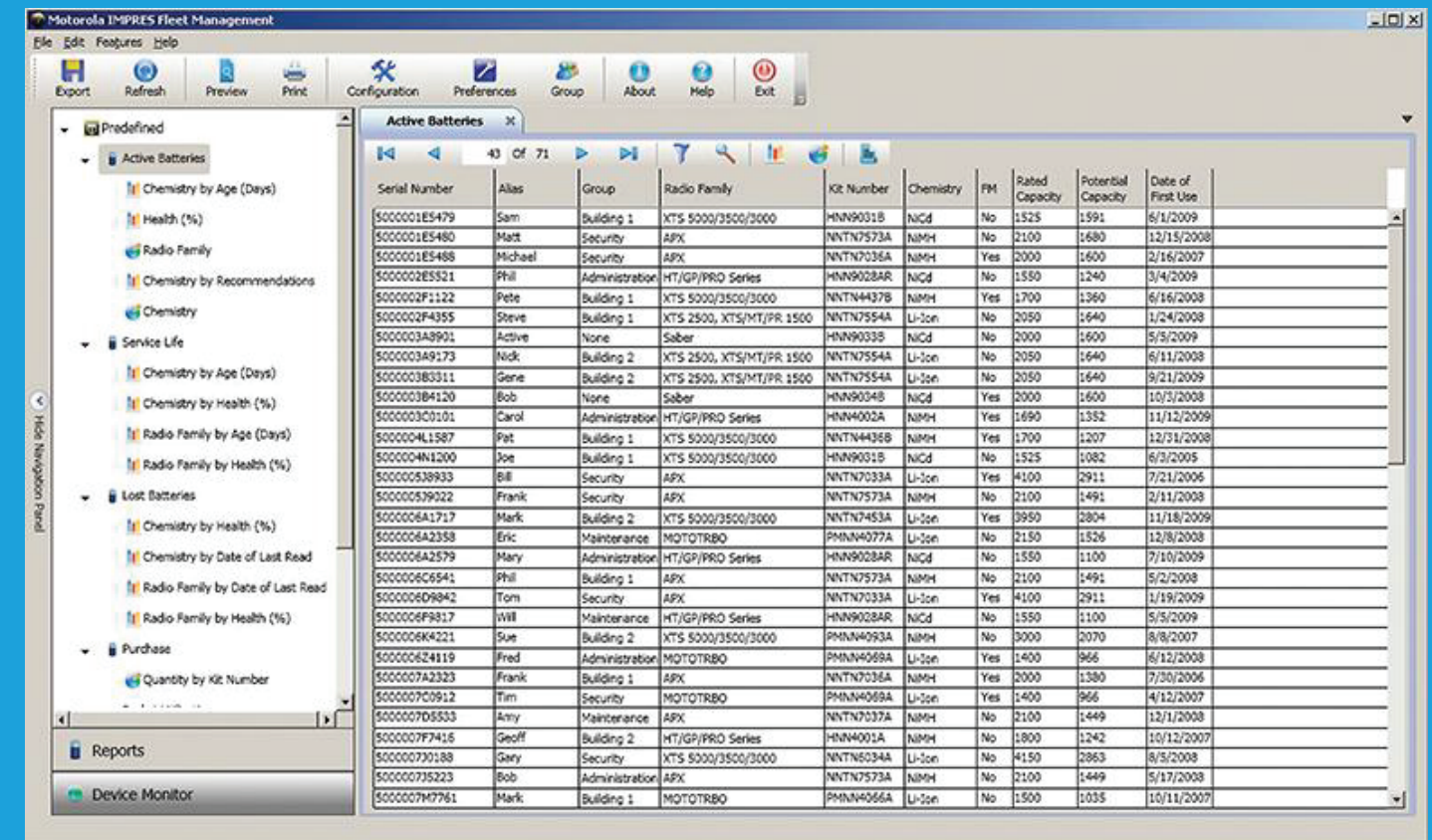
IMPRES BATTERY MANAGEMENT TOOLS

COMPATIBILITY	ACCESSORY	PART NUMBER
PORTABLE RADIOS	DESCRIPTION	
	IMPRES Battery Fleet Management Software, LA	NNTN7976

IMPRES BATTERY MANAGEMENT TOOLS?

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.

IMPRES BATTERY FLEET MANAGEMENT SOFTWARE REPORTS



Serial Number	Alias	Group	Radio Family	Kit Number	Chemistry	FM	Rated Capacity	Potential Capacity	Date of First Use
5000001E5479	Sam	Building 1	XTS 5000/3500/3000	HNN9031B	NiCd	No	1525	1591	6/1/2009
5000001E5480	Matt	Security	APX	NNTN7573A	NiMH	No	2100	1680	12/15/2008
5000001E5488	Michael	Security	APX	NNTN7036A	NiMH	Yes	2000	1600	2/16/2007
5000002E5521	Phil	Administration	HT/GP/PRO Series	HNN9028AR	NiCd	No	1550	1240	3/4/2009
5000002F1122	Pete	Building 1	XTS 5000/3500/3000	NNTN4437B	NiMH	Yes	1700	1360	6/16/2008
5000002F4355	Steve	Building 1	XTS 2500, XTS/MT/PR 1500	NNTN7554A	Li-Ion	No	2050	1640	1/24/2008
5000003A8901	Active	None	Saber	HNN90335	NiCd	No	2000	1600	5/3/2009
5000003A9173	Nick	Building 2	XTS 2500, XTS/MT/PR 1500	NNTN7554A	Li-Ion	No	2050	1640	6/11/2008
5000003B3311	Gene	Building 2	XTS 2500, XTS/MT/PR 1500	NNTN7554A	Li-Ion	No	2050	1640	9/21/2009
5000003B4120	Bob	None	Saber	HNN90348	NiCd	Yes	2000	1600	10/3/2008
5000003C0101	Carol	Administration	HT/GP/PRO Series	HNN4002A	NiMH	Yes	1690	1352	11/12/2009
5000004L1587	Pat	Building 1	XTS 5000/3500/3000	NNTN4436B	NiMH	Yes	1700	1207	12/31/2008
5000004N1200	Joe	Building 1	XTS 5000/3500/3000	HNN9031B	NiCd	No	1525	1082	6/3/2005
500000538933	Bill	Security	APX	NNTN7033A	Li-Ion	Yes	4100	2911	7/21/2006
500000539022	Frank	Security	APX	NNTN7573A	NiMH	No	2100	1491	2/11/2008
5000006A1717	Mark	Building 2	XTS 5000/3500/3000	NNTN7453A	Li-Ion	Yes	3950	2804	11/18/2009
5000006A2358	Eric	Maintenance	MOTOTRBO	PHN4077A	Li-Ion	No	2150	1526	12/8/2008
5000006A2579	Mary	Administration	HT/GP/PRO Series	HNN9028AR	NiCd	No	1550	1100	7/10/2009
5000006C6541	Phil	Building 1	APX	NNTN7573A	NiMH	No	2100	1491	5/2/2008
5000006D9842	Tom	Security	APX	NNTN7033A	Li-Ion	Yes	4100	2911	1/19/2009
5000006F9817	Will	Maintenance	HT/GP/PRO Series	HNN9028AR	NiCd	No	1550	1100	5/5/2009
5000006K4221	Sue	Building 2	XTS 5000/3500/3000	PHN4093A	NiMH	No	3000	2070	8/8/2007
5000006Z4119	Fred	Administration	MOTOTRBO	PHN4069A	Li-Ion	Yes	1400	966	6/12/2008
5000007A2323	Frank	Building 1	APX	NNTN7036A	NiMH	Yes	2000	1380	7/30/2006
5000007D0912	Tim	Security	MOTOTRBO	PHN4069A	Li-Ion	Yes	1400	966	4/12/2007
5000007D6533	Amy	Maintenance	APX	NNTN7037A	NiMH	No	2100	1449	12/1/2008
5000007F7416	Geoff	Building 2	HT/GP/PRO Series	HNN4001A	NiMH	No	1800	1242	10/12/2007
5000007J0188	Gary	Security	XTS 5000/3500/3000	NNTN6034A	Li-Ion	No	4150	2863	8/5/2008
5000007J5223	Bob	Administration	APX	NNTN7573A	NiMH	No	2100	1449	5/17/2008
5000007M7761	Mark	Building 1	MOTOTRBO	PHN4066A	Li-Ion	No	1500	1035	10/11/2007

IMPRES battery fleet management active battery report





For more information, please visit  
[motorolasolutions.com/R7](https://motorolasolutions.com/R7)



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