MOTOTRBO R7Ex
ATEX-certified
portable radio
accessories

MOTOROLA SOLUTIONS

Enhance performance with accessories

Customise your MOTOTRBO R7Ex to your work environment with Motorola Solutions accessories. These are designed and tested with our radios to provide optimal performance and to meet ATEX requirements as a complete system. Choose from a selection of audio accessories, batteries, chargers and carry cases.

Remote Speaker Microphones

Loud and clear audio performance

NS750Ex RSM:
With up to 103 phons loudness, AI-trained Noise Suppression (AINS) when used with the MOTOTRBO R7Ex and IP66/67[1] protection against damage from water and dust, the NS750Ex RSM delivers exceptional audio even in noisy environments. It also includes a Nexus connector that allows connection of secondary accessories and can support louder audio with compatible Motorola Solutions headsets.

RM750Ex RSM:
Experience enhanced audio clarity and loudness (102 phon max) in a compact, durable design with AINS and ingress protection (IP66/68[1]).

[1]RSM is certified to the ingress protection available under ATEX/IECEx test conditions IEC 60079.

NS750Ex
RSM

RM750Ex
RSM

Audio Accessories

Comfortable, responsive, reliable and high-fidelity

AD700Ex PTT Adapter:
Secure handling with dependable durability (IP65/67). Large front PTT button with strong and robust swivel clip. Rugged form factor to provide better gripability.

HS700Ex Headset:
Louder and clearer audio quality (110 dB SPL), IP65/67 ruggedness, for uncompromising audio in any environment. Available in helmet attachment style and over the head headband style to match your daily operation. Several replacement parts available to keep the hygiene and comfort.

HS750Ex Headset:
Stay situationally aware with ambient sound control while experiencing 109 dB SPL loud, clear audio, protected by IP65 durability. Available in helmet attachment style and over the head headband style to match your daily operation. Several replacement parts available to keep the hygiene and comfort.

3.5mm Earpiece:
3.5mm audio jack receive only earpiece with louder audio (122 dB SPL)

Energy

Powerful and long-lasting

You need a battery that's as powerful as your radio. Our long-lasting, swappable batteries last a full shift, ensuring the MOTOTRBO R7Ex works when you need it. The battery self calibration feature allows you to quickly charge the battery without long hours of calibration or reconditioning every month. A variety of flexible charging solutions enables you to charge between one and six batteries simultaneously, so your radios are always ready for the next shift.

Carry

Secure, easy access

Our R7Ex carry cases are constructed of top-grain leather designed to withstand the harsh conditions of mission-critical use such as in the oil and gas, chemical and pharmaceutical industries. They feature two straps with snap buttons to hold the radio securely and prevent it falling out of the case. These carry cases include two D rings to attach a strap for additional carrying flexibility as well as a 2.5 fixed and swivel belt loop.

New R7Ex accessory and energy portfolio

PMMN4163 - NS750Ex remote speaker microphone

PMMN4164 - RM750Ex remote speaker microphone

PMLN8628 - HS700Ex over the head headset

PMLN8629 - HS700Ex helmet attachment headset

PMLN8631 - HS750Ex over the head headset

PMLN8632 - HS750Ex helmet attachment headset

PMLN8634 - AD700Ex push-to-talk adaptor

PMLN8643 - 3.5mm audio jack extra loud rx earpiece

PMNN4848 - IMPRES™ battery 2150mAh

PMLN8636 - Hard leather carry case swivel belt loop non-keypad

PMLN8637 - Hard leather carry case swivel belt loop full keypad

PMLN8641 - Hard leather carry case fixed belt loop non-keypad

PMLN8642 - Hard leather carry case fixed belt loop full keypad

PMPN4283 - IMPRES™ multi-unit charger base only

PMPN4527 - IMPRES™ single-unit charger base only

0104064J25 - NS750Ex remote speaker microphone swivel clip

PMLN8121 - RM750Ex remote speaker microphone swivel clip

MOTOTRBO R7Ex radio accessories

Remote Speaker Microphones

COMPATIBILITY	ACCESSORY		FEATURES								
PORTABLE RADIOS	DESCRIPTION	PART NUMBER	IMPRES	INTELLIGENT AUDIO	AI-TRAINED NOISE SUPPRESSION [1]	VOLUME CONTROL	PROGRAMMABLE/ORANGE BUTTON	AUDIO JACK	IP RATING [3]	HAZLOC CAPABLE [2]	DIMENSIONS (MM) H X L X D
R7Ex	NS750Ex IMPRES ATEX Omni-directional Remote Speaker Microphone with Large front PTT and side PTT	PMMN4163	•	•	•	•	•	Nexus and 3.5mm locking	IP66/IP67	ATEX/IECEx	104 x 68 x 32 (without clip)
	RM750Ex IMPRES ATEX Remote Speaker Microphone	PMMN4164	•	•	•	•	•		IP66/IP68	ATEX/IECEx	82 x 60 x 26 (without clip)

Remote Speaker Microphone add-on accessories & replacement parts

COMPATIBILITY	ACCESSORY	
RSMS	DESCRIPTION	PART NUMBER
NS750Ex	Replacement Swivel Clip (1 pcs/ pack)	0104064J25
	Front PTT Paddle Label (Red, 10 pcs/pack)	PMLN8466
	Front PTT Paddle Label (Blue, 10 pcs/pack)	PMLN8465
	Front PTT Paddle Label (Green, 10 pcs/pack)	PMLN8464
	Front PTT Paddle Label (Yellow, 10 pcs/pack)	PMLN8468
	Front PTT Paddle Label (Orange 10 pcs/pack)	PMLN8523
	Front PTT Paddle Label (Silver 10 pcs/pack)	PMLN8469
RM750Ex	Low Profile Swivel Clip (1 pcs/ pack)	PMLN8121

MOTOTRBO R7Ex radio accessories

Headsets

COMPATIBILITY	ACCESSORY		FEATURES								
PORTABLE RADIOS	DESCRIPTION	PART NUMBER	HEADSET TYPE	CONNECTOR TYPE	SPEAKER	AI-TRAINED NOISE SUPPRESSION [1]	IP RATING [5]	NOISE REDUCTION RATING	MICROPHONE	PTT	HAZLOC CAPABLE [2]
R7EX	HS700Ex heavy duty over-the head headset with noise-cancelling boom microphone	PMLN8628	Over-the-head	Nexus	Dual-ear	•	IP65/IP67	26dB (SNR 33dB)	Boom	Requires RSM PMMN4163 or adapter PMLN8634	ATEX/IECEx
	HS700Ex heavy duty hard hat attached headset with noise-cancelling boom microphone	PMLN8629	Hard hat attached [4]	Nexus	Dual-ear	•	IP65/IP67	24dB (SNR 32dB)	Boom	Requires RSM PMMN4163 or adapter PMLN8634	ATEX/IECEx
	HS750Ex heavy duty over-the head headset with noise-cancelling boom microphone and ambient sound control	PMLN8631	Over-the-head	Nexus	Dual-ear	•	IP65	25dB (SNR 32dB)	Boom	Requires RSM PMMN4163 or adapter PMLN8634	ATEX/IECEx
	HS750Ex heavy duty hard hat attached headset with noise-cancelling boom microphone and ambient sound control	PMLN8632	Hard hat attached [4]	Nexus	Dual-ear	•	IP65	24dB (SNR 30dB)	Boom	Requires RSM PMMN4163 or adapter PMLN8634	ATEX/IECEx

Audio Accessory Adapters

COMPATIBILITY	ACCESSORY		FEATURES	
PORTABLE RADIOS	DESCRIPTION	PART NUMBER	IP RATING [5]	HAZLOC CAPABLE [2]
R7Ex	AD700Ex push-to-talk adapter	PMLN8634	IP65/IP67	ATEX/IECEx

AD700Ex

HS750Ex

1 AI-trained Noise Suppression is enabled when connected with R7Ex.
2 HazLoc Details: For more information on which accessories are approved with R7Ex, please consult the safety manual provided with each R7Ex portable radio.
3 Accessory is certified to the ingress protection available under ATEX/IECEx test conditions IEC 60079.
4 Hard hat is not included. Below are the compatible helmets. For latest compatible hard hat mounting, please refer to headset's user manual.
   3M G3000: Sizes S, M, L
   3M Securefit X5000/X5500: Sizes S, M, L
   Kask Zenith, Zenith X, Zenith X Air, Zenith XPL: Sizes S, M, L
   Uvex Pheos: Sizes M, L
   MSA V-Gard: Sizes S, M, L
   Petzl Vertex: Sizes S, M, L
5 Savox accessories only certified with IEC60529

MOTOTRBO R7Ex radio accessories

Headset replacement kits

ACCESSORY			
DESCRIPTION	**PART NUMBER**	**HEADSET TYPE**	**COMPATIBLE HEADSET**
Headband for HS700Ex & HS750Ex Series Headset	PMLN8756	Over-the-Head	PMLN8628 PMLN8631
Boom Microphone for HS700Ex & HS750Ex Series Headset	PMLN8757	Over-the-Head Hard Hat Attached	PMLN8628 PMLN8629 PMLN8631 PMLN8632
Boom Microphone Windscreen for HS700Ex & HS750Ex Series Headset (5 pcs/pack)	PMLN8758	Over-the-Head Hard Hat Attached	PMLN8628 PMLN8629 PMLN8631 PMLN8632
Ambient Sound Wind Cover and Grid Holder for HS750Ex Series Headset (5 sets/pack)	PMLN8759	Over-the-Head Hard Hat Attached	PMLN8631 PMLN8632
Earmuff Hygiene Kit for HS700Ex Series Headset	PMLN8761	Over-the-Head Hard Hat Attached	PMLN8628 PMLN8629
Earmuff Hygiene Kit for HS750Ex Series Headset	PMLN8760	Over-the-Head Hard Hat Attached	PMLN8631 PMLN8632

Audio Accessory Adapter replacement kits

ACCESSORY		
DESCRIPTION	**PART NUMBER**	**COMPATIBLE ADAPTER**
Belt Clip for AD700Ex Push-To-Talk Adapter	PMLN8762	PMLN8634

MOTOTRBO R7Ex radio accessories

Surveillance accessories and earpieces

COMPATIBILITY	ACCESSORY		FEATURES	
REMOTE SPEAKER MICROPHONE	DESCRIPTION	PART NUMBER	EARPIECE TYPE	HAZLOC CAPABLE [2]
NS750Ex	Receive Only Earpiece with Translucent Tube, Loud Audio, 3.5mm Jack	PMLN8643	Clear Rubber Eartip	ATEX/IECEx

Surveillance accessory replacement kits

ACCESSORY			
DESCRIPTION	PART NUMBER	EARPIECE TYPE	COMPATIBLE EARPIECES/ TUBES
Low Noise Kit with Translucent Tube and one Clear Rubber Eartip	RLN6242	Clear Rubber Eartip	PMLN8643
Replacement standard clear rubber eartip. Pack of 50	RLN6282	Clear Rubber Eartip	
Small custom earpiece - right ear	RLN4760	Custom earpiece	
Medium custom earpiece - right ear	RLN4761	Custom earpiece	
Large custom earpiece - right ear	RLN4762	Custom earpiece	RLN6242
Small custom earpiece - left ear	RLN4763	Custom earpiece	
Medium custom earpiece - left ear	RLN4764	Custom earpiece	
Large custom earpiece - left ear	RLN4765	Custom earpiece	
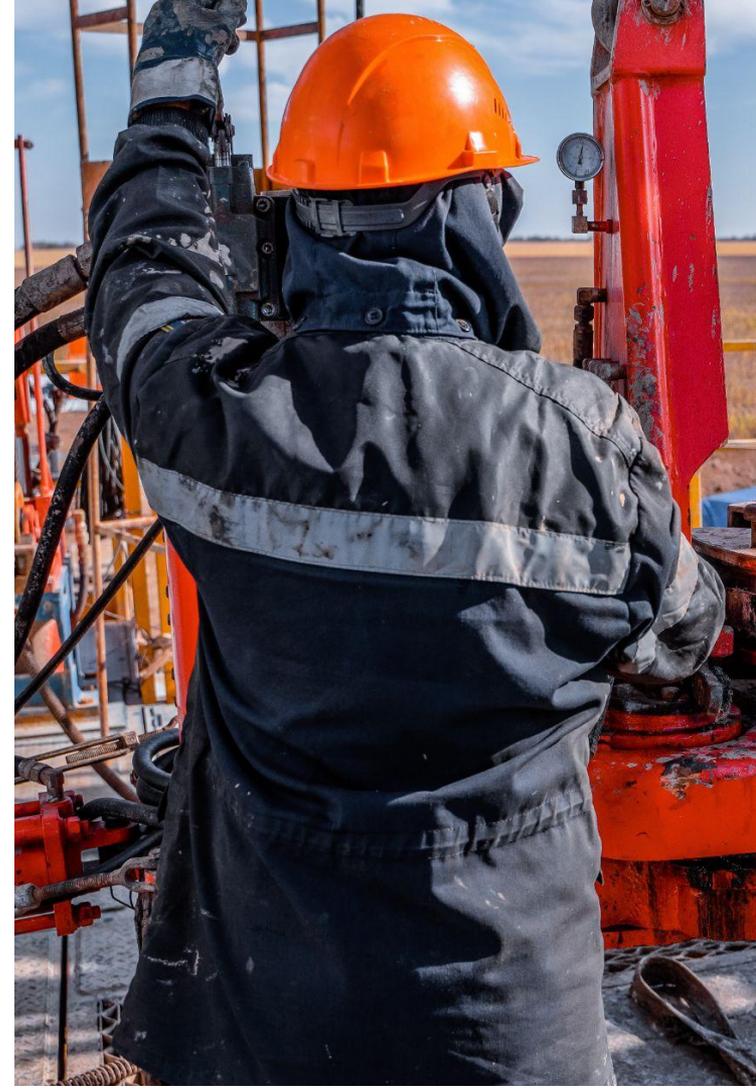
MOTOTRBO R7Ex radio accessories

Carry solutions

These durable and hard leather carry cases are designed to withstand harsh conditions in hazardous environments. The swivel belt loops keep the case secure while allowing the radio to swing freely as you move. The carry cases' straps can hook on the cases' D-rings, and lets you wear your radio across your body, keeping your hands free.
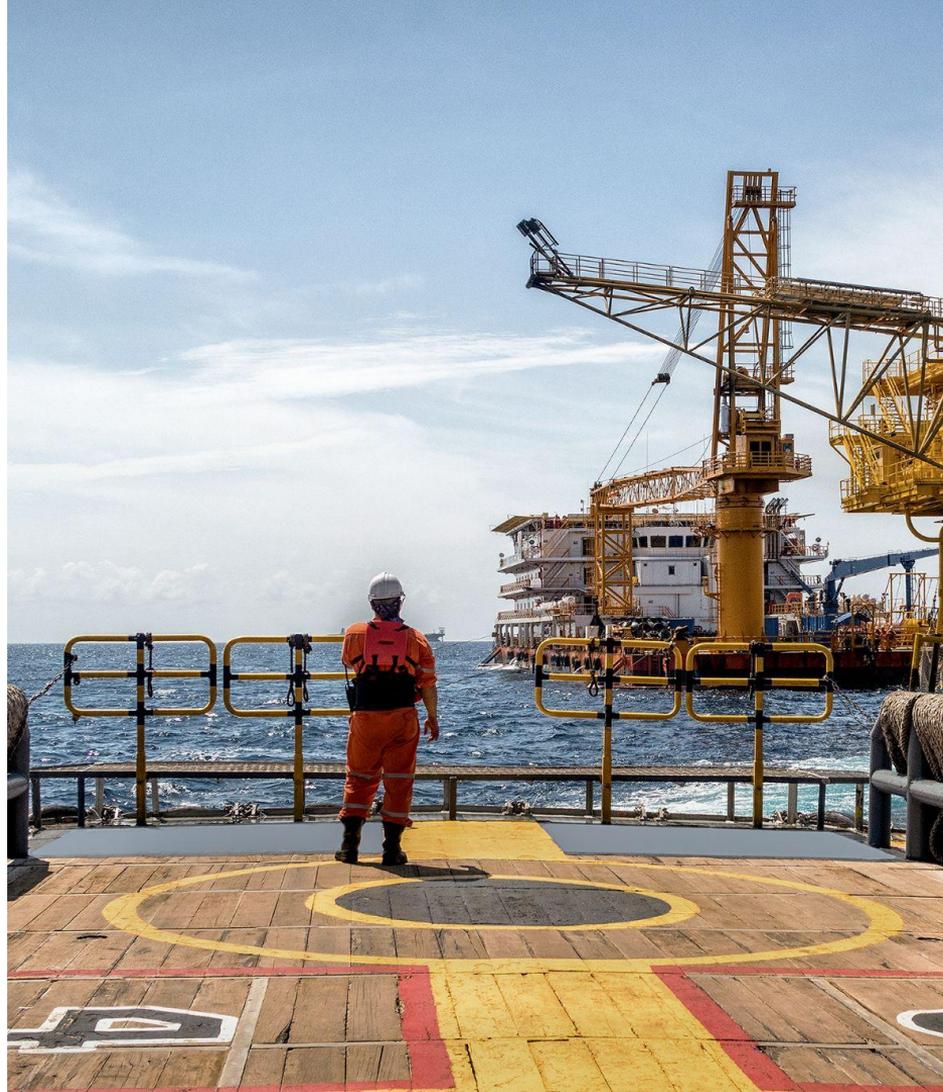
COMPATIBILITY	ACCESSORY			FEATURES				
PORTABLE RADIOS	DESCRIPTION		PART NUMBER	MATERIAL	BELT LOOP / CLIP/STRAP DIMENSION (INCHES)	SWIVEL / FIXED	DISPLAY / NON- DISPLAY	D–RINGS
R7Ex		Hard leather case with 2.5 inch swivel belt loop for R7Ex non-display	PMLN8636	Hard leather	2.5	Swivel	Non-display	•
		Hard leather case with 2.5 inch swivel belt loop for R7Ex display	PMLN8637	Hard leather	2.5	Swivel	Display	•
		Hard leather case with 2.5 inch fixed belt loop for R7Ex non-display	PMLN8641	Hard leather	2.5	Fixed	Non-display	•
		Hard leather case with 2.5 inch fixed belt loop for R7Ex display	PMLN8642	Hard leather	2.5	Fixed	Display	•
		2.5 inch swivel belt loop for ATEX model	PMLN8722	Hard leather	2.5	Swivel		
		2.5 inch belt clip for R7Ex display and non-display	PMLN6086	Plastic	2.5	Fixed		
		Leather radio strap	RLN6486	Leather	Up to 157.5 cm (62 in)			
		Leather radio strap-XL	RLN6487	Leather	Up to 177.8 cm (70 in)			
		Adjustable nylon carrying strap	NTN5243	Nylon	Up to 91.4 cm (36 in)			
		Anti-sway strap for leather radio straps	RLN6488	Leather	Up to 22.9 cm (9 in)			

MOTOTRBO R7Ex radio accessories

Programming cables and miscellaneous accessories

COMPATIBILITY	ACCESSORY	
PORTABLE RADIOS	**DESCRIPTION**	**PART NUMBER**
	Accessory connector dust cover	15012157001
	ATEX USB data cable	PMKN4160
	Antenna ID band (grey), pack of 10	32012144001
	Antenna ID band (yellow), pack of 10	32012144002
R7Ex	Antenna ID band (green), pack of 10	32012144003
	Antenna ID band (blue), pack of 10	32012144004
	Antenna ID band (purple), pack of 10	32012144005
	Back bezel kit with US RFID tag	PMLN8700
	Back bezel kit with EU RFID tag	PMLN8707
	Back bezel kit with NFC tag	PMLN8699
	ATEX approved identification label, pack of 50	PMLN8750

MOTOTRBO R7Ex radio accessories

Antennas

COMPATIBILITY	ACCESSORY		FEATURES			
PORTABLE RADIOS	DESCRIPTION	PART NUMBER	FREQUENCY BAND	FREQUENCY RANGE (MHz)	LENGTH (CM)	TYPE
R7Ex	Whip antenna (350-400 MHz)	PMAD4139	350	350-400	16	Whip
	UHF wideband whip antenna (400-527 MHz)	PMAE4079	UHF	400-527	15	Whip
	UHF stubby wideband (400-527 MHz)	AN000348A01	UHF	400-527	9	Stubby
	UHF short stubby antenna (400-450 MHz)	AN000350A01	UHF	400-450	6	Short stubby
	UHF short stubby antenna (440-490 MHZ)	AN000351A01	UHF	440-490	6	Short stubby

UHF short stubby antenna

R7Ex

MOTOTRBO R7Ex radio accessories

Batteries

COMPATIBILITY	ACCESSORY		FEATURES							
PORTABLE RADIOS	DESCRIPTION	PART NUMBER	IMPRES	CHEMISTRY	TYPICAL CAPACITY (mAh)	DIMENSIONS (MM) H X L X D	WEIGHT (GRAMS)	HAZLOC CAPABLE [2]	IP RATING	OPERATING TEMPERATURE (DISCHARGE)
R7Ex	IMPRES Li-Ion 2150 mAh IP68 ATEX battery	PMNN4848	•	Li-Ion	2150	127 x 52 x 20	186	ATEX / IECEx	IP66 / IP68 [1]	R7Ex (IIA models): -25 C° to 60 °C (digital) -20 °C to 60 °C (analogue) R7Ex (IIC models): -30 °C to 60 °C

Single-Unit Chargers

COMPATIBILITY	ACCESSORY		FEATURES				
PORTABLE RADIOS	DESCRIPTION	PART NUMBER	IMPRES	CHEMISTRY	POWER SOURCE	DIMENSIONS (MM) H X L X D	NUMBER OF POCKETS
R7Ex	IMPRES Single-Unit Charger Base Only	PMPN4527	•	Li-Ion, NiMh	100-240 VAC	51 x 88 x 94	1
	IMPRES Single-Unit Charger, US/NA/TW Plug	PMPN4576	•	Li-Ion, NiMh	120 VAC	51 x 88 x 94	1
	IMPRES Single-Unit Charger, EU Plug	PMPN4577	•	Li-Ion, NiMh	240 VAC	51 x 88 x 94	1
	IMPRES Single-Unit Charger, UK/HK Plug	PMPN4572	•	Li-Ion, NiMh	240 VAC	51 x 88 x 94	1
	IMPRES Single-Unit Charger, ARG Plug	PMPN4573	•	Li-Ion, NiMh	240 VAC	51 x 88 x 94	1
	IMPRES Single-Unit Charger, BRZ Plug	PMPN4575	•	Li-Ion, NiMh	100- 240 VAC	51 x 88 x 94	1
	IMPRES Single-Unit Charger, AUS/NZ Plug	PMPN4571	•	Li-Ion, NiMh	240 VAC	51 x 88 x 94	1
	IMPRES Single-Unit Charger, KOR Plug	PMPN4574	•	Li-Ion, NiMh	240 VAC	51 x 88 x 94	1
	IMPRES Single-Unit Charger, JP Plug	PMPN4578	•	Li-Ion, NiMh	100- 240 VAC	51 x 88 x 94	1
	IMPRES Single-Unit Charger. CH Plug	PMPN4579	•	Li-Ion, NiMh	240 VAC	51 x 88 x 94	1
	IMPRES Single-Unit Charger, India Plug	PMPN4582	•	Li-Ion, NiMh	100- 240 VAC	51 x 88 x 94	1

[1] R7Ex radios with PMNN4848 batteries are certified to the ingress protection available under ATEX/IECEx test conditions - IP66 and IP68
[2] HazLoc Details: For more information on which accessories are approved with R7Ex, please consult the safety manual provided with each R7Ex portable radio.

IMPRES Single-Unit Charger Base

MOTOTRBO R7Ex radio accessories

Multi Unit Chargers

COMPATIBILITY	ACCESSORY		FEATURES				
PORTABLE RADIOS	DESCRIPTION	PART NUMBER	IMPRES	CHEMISTRY	POWER SOURCE	DIMENSIONS (MM) H X L X D	NUMBER OF POCKETS
R7Ex	IMPRES 2 Multi-Unit Charger Base	PMPN4283	•	Li-Ion, NiMh	100-240 VAC	117 x 445 x 170	6
	IMPRES 2 Multi-Unit Charger, US/NA Plug	PMPN4284	•	Li-Ion, NiMh	100-240 VAC	117 x 445 x 170	6
	IMPRES 2 Multi-Unit Charger, EU Plug	PMPN4289	•	Li-Ion, NiMh	100-240 VAC	117 x 445 x 170	6
	IMPRES 2 Multi-Unit Charger, UK/HK Plug	PMPN4290	•	Li-Ion, NiMh	100-240 VAC	117 x 445 x 170	6
	IMPRES 2 Multi-Unit Charger, ARG Plug	PMPN4291	•	Li-Ion, NiMh	100-240 VAC	117 x 445 x 170	6
	IMPRES 2 Multi-Unit Charger, BZ Plug	PMPN4292	•	Li-Ion, NiMh	100-240 VAC	117 x 445 x 170	6
	IMPRES 2 Multi-Unit Charger, AUS/NZ Plug	PMPN4293	•	Li-Ion, NiMh	100-240 VAC	117 x 445 x 170	6
	IMPRES 2 Multi-Unit Charger, KOR Plug	PMPN4294	•	Li-Ion, NiMh	100-240 VAC	117 x 445 x 170	6
	IMPRES 2 Multi-Unit Charger, JP Plug	PMPN4295	•	Li-Ion, NiMh	100-240 VAC	117 x 445 x 170	6
	IMPRES 2 Multi-Unit Charger, CN Plug	PMPN4296	•	Li-Ion, NiMh	100-240 VAC	117 x 445 x 170	6
	IMPRES 2 Multi-Unit Charger, TW Plug	PMPN4462	•	Li-Ion, NiMh	100-240 VAC	117 x 445 x 170	6
	IMPRES 2 Multi-Unit Charger, BIS Plug	PMPN4610	•	Li-Ion, NiMh	100-240 VAC	117 x 445 x 170	6
	Wall Mount Bracket for IMPRES 2 Multi-Unit Charger	BR000272A01					
	Interchangeable Charging Pocket	AS000129A01					

## Maximize talk time with IMPRES 2 multi-unit chargers.

Motorola Solutions' exclusive IMPRES smart energy system provides automatic, adaptive reconditioning and end-of-life displays that maximizes and optimizes your battery's life. IMPRES 2 chargers allow batteries to be safely left on the charger, ensuring they are fully charged and always ready for critical calls.

MOTOTRBO R7Ex radio accessories

## Replacement Power Supply Units - Single Unit Chargers

COMPATIBILITY	ACCESSORY		FEATURES
CHARGER	DESCRIPTION	PART NUMBER	POWER SOURCE
	Power supply adaptor, AC/DC, 14.5V/1.15A, US/NA/TW/JP plug	PS000577A01	120 VAC
	Power supply adaptor, AC/DC fixed blade, 14.5V/1.15A, EU plug	PS000576A02	100-240 VAC
	Power supply adaptor, AC/DC fixed blade, 14.5V/1.15A, UK/HK plug	PS000576A03	100-240 VAC
	Power supply adaptor, AC/DC fixed blade, 14.5V/1.15A, ARG plug	PS000576A05	100-240 VAC
	Power supply adaptor, AC/DC fixed blade, 14.5V/1.15A, BRZ pug	PS000576A08	100-240 VAC
	Power supply adaptor, AC/DC fixed blade, 14.5V/1.15A, AUS/NZ	PS000576A04	100-240 VAC
	Power supply adaptor, AC/DC fixed blade, 14.5V/1.15A, KOR plug	PS000576A07	100-240 VAC
	Power supply adaptor AC/DC fixed blade, 14.5V/1.15A, CH plug	PS000576A06	220–240 VAC
	Power supply adaptor, AC/DC fixed blade, 14.5V/1.15A, India plug	PS000576A09	100-240 VAC
	Replacement power supply for IMPRES single-unit charger, US/CAN Plug	25009297001	120 VAC
	Replacement power supply for IMPRES single-unit charger, EU plug	PS000037A01	240 VAC
	Replacement power supply for IMPRES single-unit charger, UK plug	PS000037A02	240 VAC
	Replacement power supply for IMPRES single-unit charger, ARG plug	PS000037A04	240 VAC
	Replacement power supply for IMPRES single-unit charger, AUS/NZ Plug	PS000037A03	240 VAC
	Replacement power supply for IMPRES single-unit charger, KOR plug	PS000037A06	240 VAC
	Replacement power supply for IMPRES single-unit charger, CH plug	PS000037A05	240 VAC

Single-Unit Charger
PMPN4527
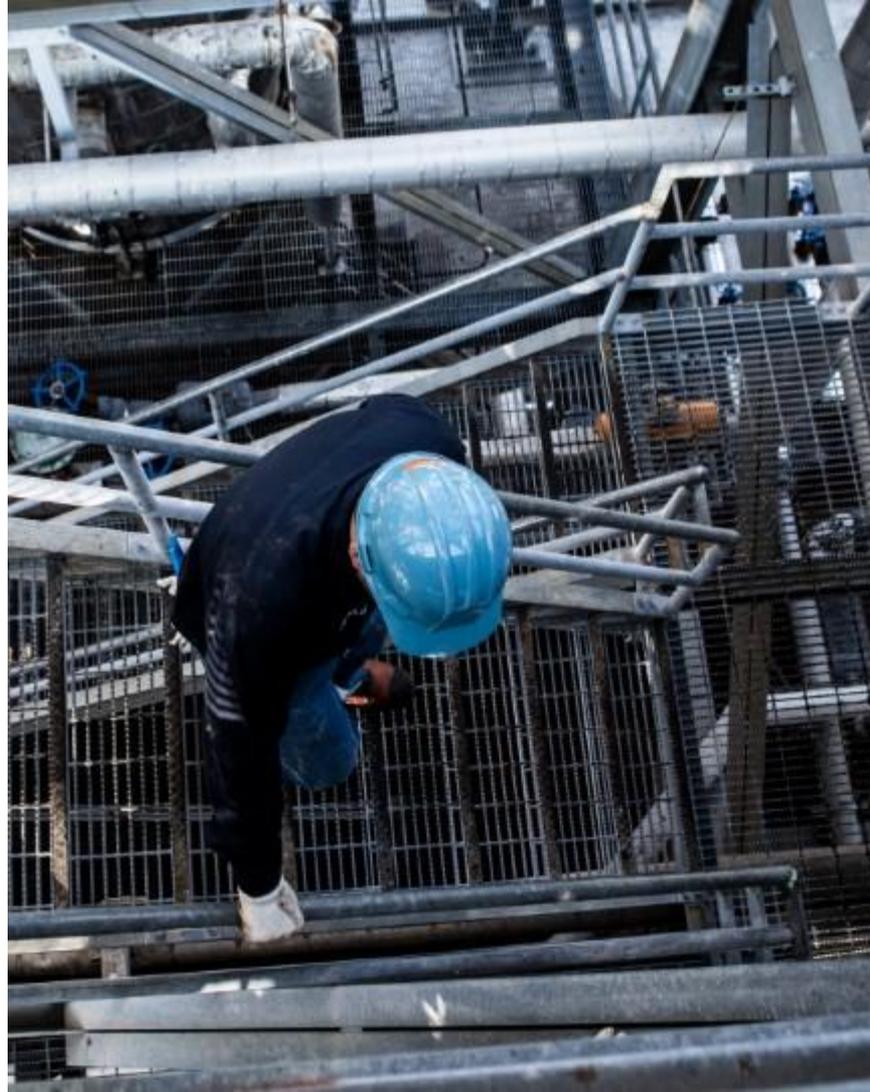
MOTOTRBO R7Ex radio accessories

Replacement Power Cords - Multi Unit Chargers

COMPATIBILITY	ACCESSORY		FEATURES
CHARGER	DESCRIPTION	PART NUMBER	DIMENSIONS (MM) H X L X D
 Multi-Unit Charger PMPN4283	Replacement power supply, 100-240 VAC without power cord	PS000242A01	
	Replacement power supply for IMPRES multi-unit charger, US/CAN plug	3087791G01	2300
	Replacement power supply for IMPRES multi-unit charger, EU plug	3087791G04	2300
	Replacement power supply for IMPRES multi-unit charger, UK/HK plug	3087791G07	2300
	Replacement power supply for IMPRES multi-unit charger, ARG plug	3087791G13	2300
	Replacement power supply for IMPRES multi-unit charger, BRZ plug	3087791G22	2300
	Replacement power supply for IMPRES multi-unit charger, AUS/NZ plug	3087791G10	2300
	Replacement power supply for IMPRES multi-unit charger, KOR plug	3087791G16	2300
	Replacement power supply for IMPRES multi-unit charger, JP plug	3087791G20	2300
	Replacement power supply for IMPRES multi-unit charger, CN plug	CB000199A01	2500
	Replacement power supply for IMPRES multi-unit charger, TW plug	CB000805A01	2500
	Replacement power supply for IMPRES multi-unit charger, BIS plug	CB000517A01	2500
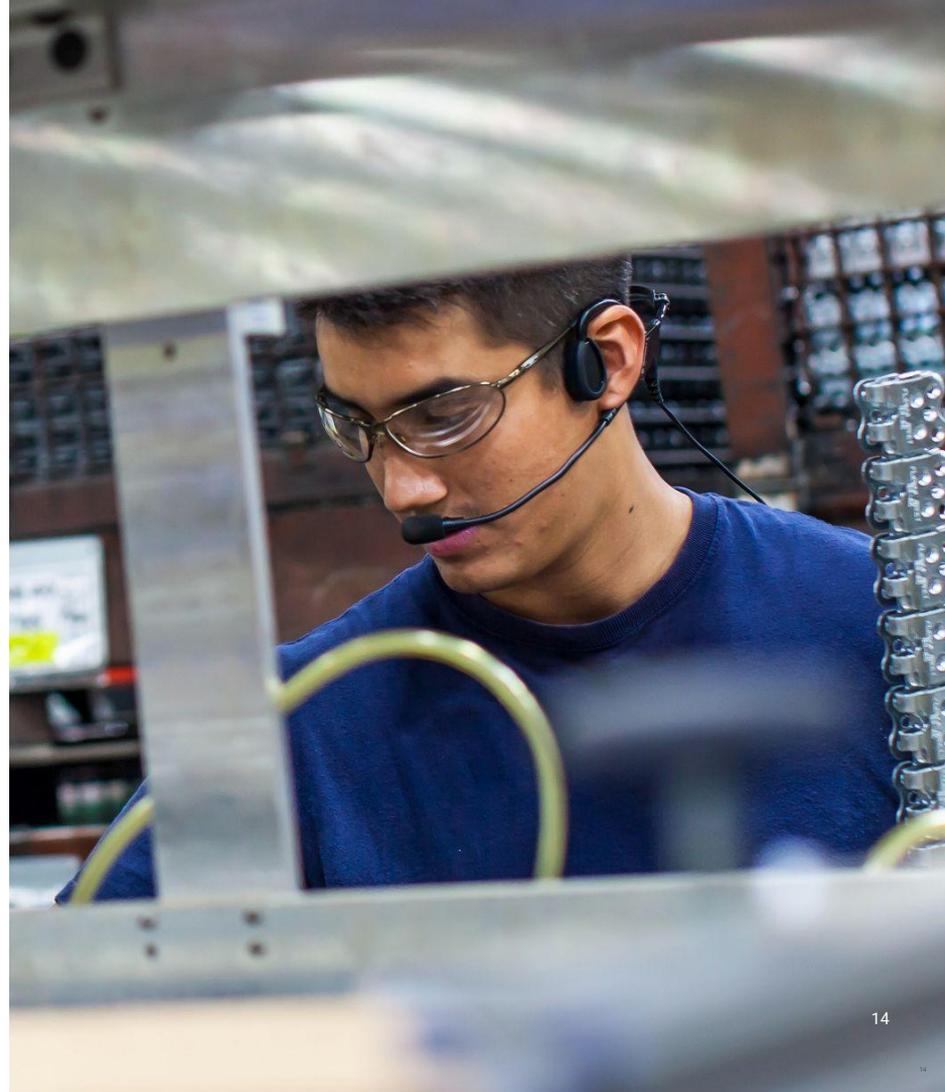
For more information on Motorola accessories, visit **motorolasolutions.com/mototrbo**
or contact your Motorola Solutions Sales Representative.

MOTOROLA SOLUTIONS