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Motorola Accessories

Enhancing Performance

MOTOROLA

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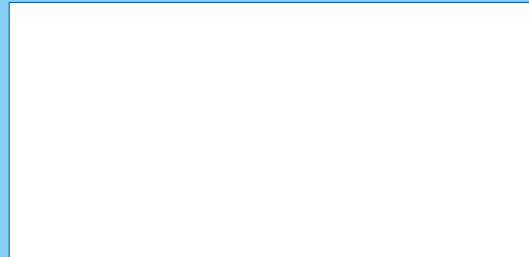
Motorola Accessories

INTRODUCING A WEALTH OF MOTOROLA ACCESSORIES

Turn your Motorola two-way radio into a solution with Motorola Original accessories and batteries.

A headset to allow you to work hands-free; an earpiece for discreet communications; a high capacity battery for longer shift times; a carry case for working on the move… Whatever your requirements, Motorola offers the widest portfolio of accessories and batteries, all of which are tested to the same exacting standards as the radios with which they are used.

GP240/GP280/GP320/GP340/
GP360/GP380/GP540/GP580/
GP640/GP680/GP1280

CP040/CP140/CP160/CP180

Visar/GP900/GP1200

Comprises/MT2100/MT2000/HT1100 &
ATEX/Cenelec versions

GP344/GP388/GP644/GP688

P020/030/040/080

GP300 and P110

What is important to you when selecting accessories?

Safety

Motorola's portfolio of two-way radios are supported by a selection of headsets and carry cases which are particularly suitable for protecting team members who in turn focus on the safety of the organisation's people, property and equipment. For those working in potentially explosive environments, Motorola also offers a range of intrinsically safe accessories for use with intrinsically safe radios.

Robustness

Workers operating in the harshest of environments need rugged accessories to support their Motorola radios. All our accessories are tested to the same demanding standards as our radios. Our range of remote speaker microphones, headsets and chest packs are particularly suited to the most challenging of operational environments, as are Nickel Cadmium batteries, helping users keep in touch in the face of adversity.

Ease of use

All our accessories are designed with the user in mind. Some solutions, however, are particularly easy-to-use and suited to those radio users who recently started using two way-radio for the first time. For these users, Motorola recommends its range of economical earpieces, lighter weight headsets and alternative compact carry accessories which make two-way-radio the most easy and accessible way of keeping the team in contact.

Efficiency

In order to survive in today's highly competitive environment, organisations have to maintain maximum levels of productivity. For the most sophisticated organisations, 2 or 3 wire earpieces as well as specialist audio products, make radio usage more efficient leaving hands free to work. For maximum energy efficiency, lithium Ion batteries are particularly suitable as they can last for longer shifts and have the most efficient energy to weight/size ratio. To streamline the energy management for radio fleets, Motorola's Impres™ solutions charge and maintain batteries intelligently improving battery performance.
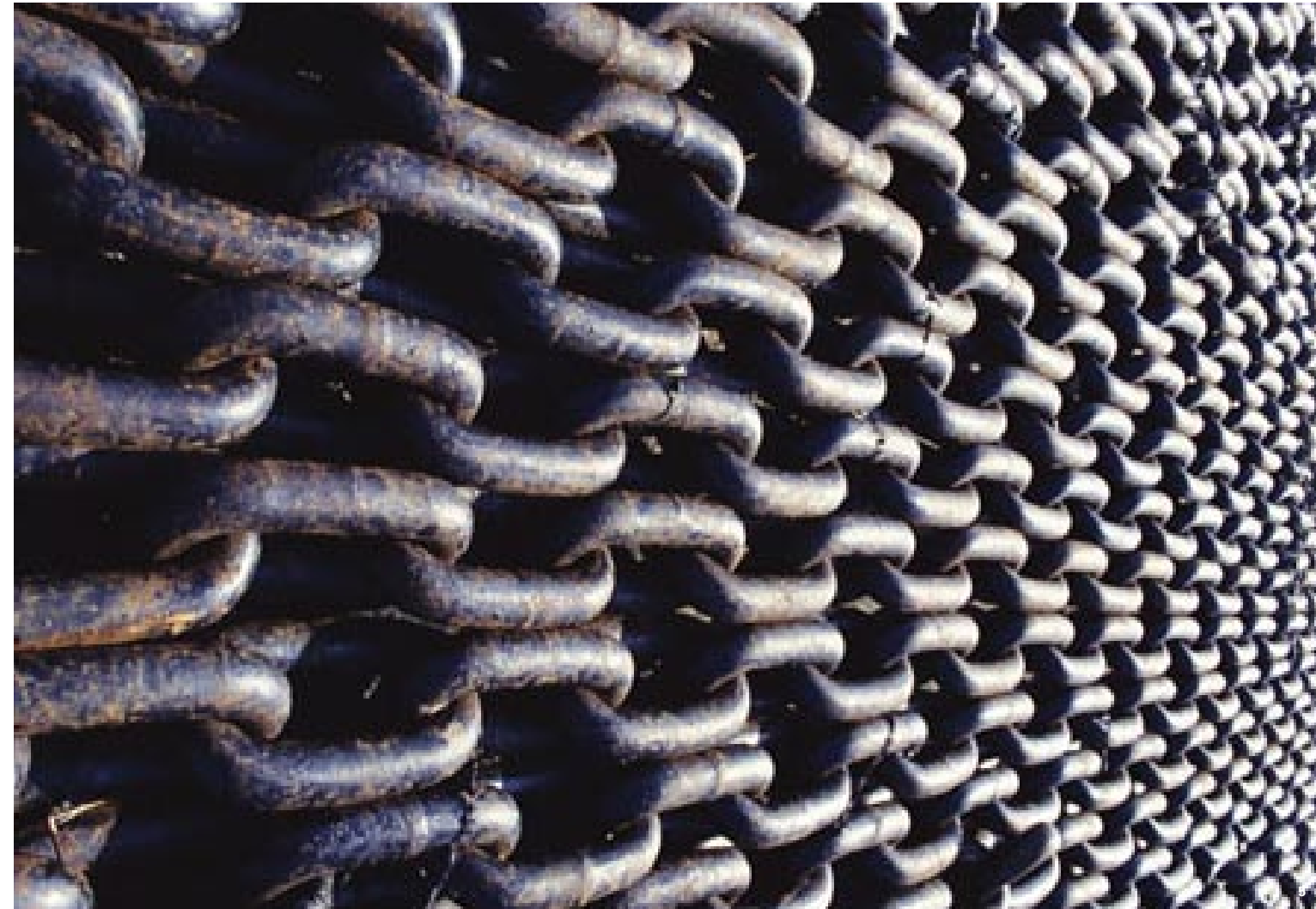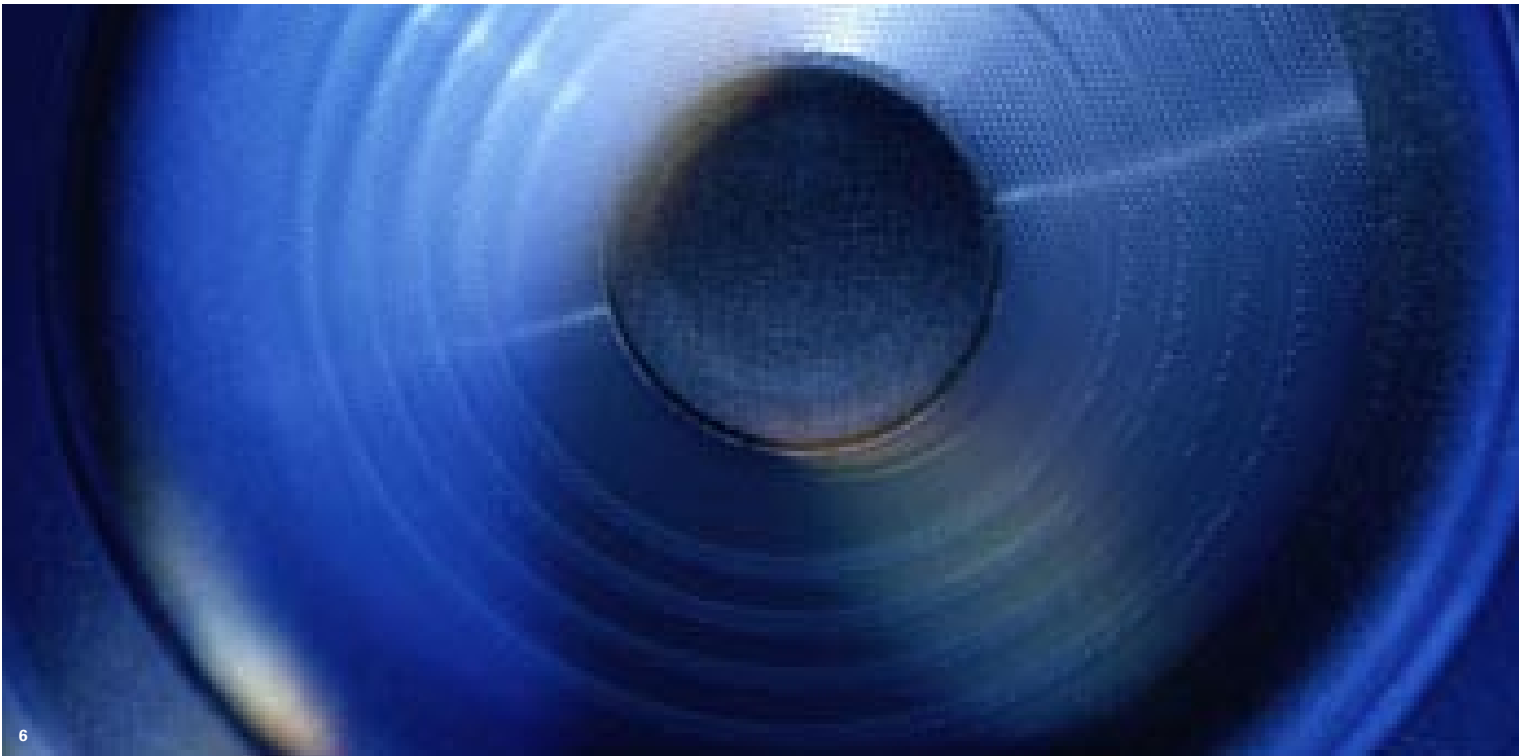
Earpieces, Headsets and Specialist Solutions

With a wide range of audio accessories in this section, there is always a solution to suit your working environment and make using your Motorola radio even easier.

A headset allows you to keep your hands on the job without missing important messages, whilst an earpiece is ideal for discreet communication, e.g. for covert operations and other security activities where obvious radio usage can make the job more difficult.

Another key benefit of both headsets and earpieces is that they keep sensitive messages within the team rather than broadcasting them to anyone within earshot of the radio.

A number of specialist solutions have been designed for sophisticated users with very particular communication requirements. These include helmet com and ear microphones that use bone induction technology to allow radio users to keep in touch in high noisy environments.

Remote Speaker Microphones

One of the most popular and versatile ranges of Motorola audio accessories, Motorola remote speaker microphones (RSMs) are rugged, reliable and easy-to-use. RSMs can be clipped to a lapel or pocket and allow users to send and receive messages without removing the radio from the belt. Some RSMs include remote volume control and a jack for an optional earpiece for discreet message receipt.
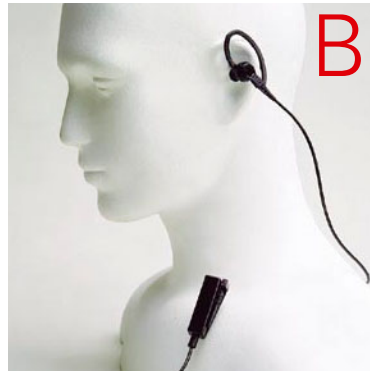
Public Safety Speaker Microphones incorporate an antenna and so can also extend radio coverage when worn higher up on the body than the radio.

Audio - Earpieces

ONE WIRE EARPIECES

- Available in a range of styles to match user requirements
- Permanent radio message awareness
- Small and discreet

A

TWO WIRE EARPIECES

- Combined earpiece and microphone/PTT for flexible and discreet use
- Comfortable for extended use
- Can be worn in either ear

B

THREE WIRE EARPIECES

- Separate earpiece, microphone and PTT suitable for more demanding users
- Ensures effective communication and particularly suitable for covert or discreet use

C

EARPIECES FOR RSM

- Constant radio awareness ideal for monitoring voice traffic
- Plugs into remote speaker mic for discreet communications

D
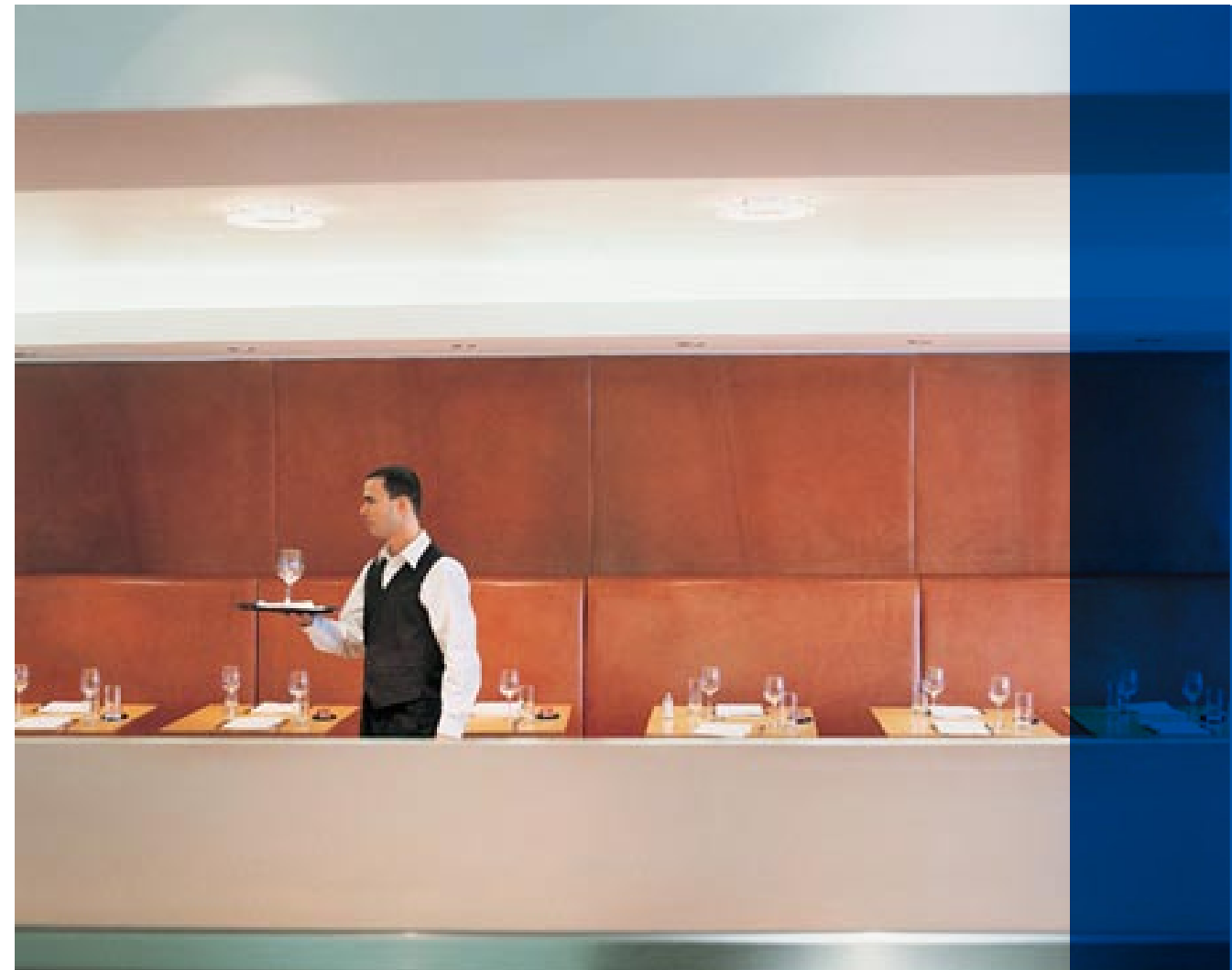
Audio - Earpieces

Single earpieces in a range of styles to provide discreet communication. Combined earpieces and microphone/PTT (2- Wire) for flexible discreet use. Separate earpieces, microphone and PTT (3- Wire) for more complex activities including covert use.

Operation: Can the accessory be used to transmit and/or receive a voice message?

PTT: Does the accessory have an integrated push-to-talk (PTT) button, negating use of the radio PTT?

VOX Capability: Can a message be sent without the user pressing the PTT button on the radio or accessory (when VOX is supported by the radio)? For more information please contact your local authorised Motorola communication solutions provider.

Extra VOX switch on PTT: Are the PTT and VOX functions combined in a switch?

Intrinsic Safety Standard: Does the accessory meet any safety standards?

GP Professional GP140 - GP1280

Category	Part No.	Description	Operation	PTT	Vox capability	Extra Vox-Switch on PTT	Intrinsic Safety Standard	End User Requirements	
A	ENMN4013	Flexible ear receiver	Receive only	NA	NA	NA	FM	⬡	
A	MDRMN4021	1 wire earpiece, beige	Receive only	NA	NA	NA	FM	⬡	
A	MDRMN4028	1 wire earpiece, black	Receive only	NA	NA	NA	FM	⬡	
B	MDRMN4022	2 wire earpiece with microphone and PTT combined, beige	Receive and transmit	PTT on mic	Yes	No	FM		⬡
B	MDRMN4029	2 wire earpiece with microphone and PTT combined, black	Receive and transmit	PTT on mic	Yes	No	FM		⬡
B	MDPMLN4418	2 wire earbud with microphone and PTT combined	Receive and transmit	PTT on mic	Yes	No	FM		⬡
	PMLN4605	Voicetube kit for MDPMLN4418	NA	NA	NA	NA	FM	⬡	
B	MDPMLN4607	2 wire earpiece with clear acoustic tube (consisting of PMLN4605 & MDPMLN4418)	Receive and transmit	PTT on mic	Yes	No	FM		⬡
C	ENMN4017	3 wire earpiece with microphone and PTT separated, beige	Receive and transmit	Separate wire PTT	Yes	No	FM		⬡
C	ENMN4014	3 wire earpiece with microphone and PTT separated, black	Receive and transmit	Separate wire PTT	Yes	No	FM		⬡
A	MDPMLN4557	MagOne earpiece with in-line microphone and PTT	Receive and transmit	In-line	Yes	Yes	No	⬡	
A	MDPMLN4556	MagOne earbud with in-line microphone and PTT	Receive and transmit	In-line	Yes	Yes	No	⬡	

GP Compact GP344, GP388, GP644 and GP688

Category	Part No.	Description	Operation	PTT	Vox capability	Extra Vox-Switch on PTT	Intrinsic Safety Standard	End User Requirements	
A	BDN6664 *	1 wire earpiece 3.5mm plug, beige	Receive only	NA	NA	NA	FM	⬡	
A	BDN6726 *	1 wire earpiece 3.5mm plug, black	Receive only	NA	NA	NA	FM	⬡	
A	BDN6665 *	1 wire extra-loud earpiece 3.5mm plug, beige	Receive only	NA	NA	NA	FM	⬡	
A	BDN6727 *	1 wire extra-loud earpiece 3.5mm plug, black	Receive only	NA	NA	NA	FM	⬡	
A	BDN6666 *	1 wire earpiece with volume control, 3.5mm plug, beige	Receive only	NA	NA	NA	FM	⬡	
A	BDN6728 *	1 wire Earpiece with volume control, 3.5mm plug, black	Receive only	NA	NA	NA	FM	⬡	
B	BDN6667 *	2 wire earpiece with microphone and PTT combined, 3.5mm plug, beige	Receive and transmit	PTT on mic	Yes	No	FM		⬡
B	BDN6729 *	2 wire earpiece with microphone and PTT combined, 3.5mm plug black	Receive and transmit	PTT on mic	Yes	No	FM		⬡
B	BDN6669 *	2 wire extra-loud earpiece with microphone and PTT combined, 3.5mm plug, beige	Receive and transmit	PTT on mic	Yes	No	FM		⬡
B	BDN6731 *	2 wire extra-loud earpiece with microphone and PTT combined, 3.5mm plug black	Receive and transmit	PTT on mic	Yes	No	FM		⬡
B	MDPMLN4519	2 wire earbud with microphone and PTT combined	Receive and transmit	PTT on mic	Yes	No	FM		⬡

Features and specifications are subject to change without notice

* Earpieces required audio adapter MDPMLN4455 for usage with radio

Audio - Earpieces

GP Compact GP344, GP388, GP644 and GP688

Category	Part No.	Description	Operation	PTT	Vox capability	Extra Vox-Switch on PTT	Intrinsic Safety Standard	End User Requirements
	PMLN4605	Voicetube kit for MDPMLN4519	NA	NA	NA	NA	FM	ⒺⓍ
B	MDPMLN4608	2 wire earpiece with clear acoustic tube (consisting of PMLN4605 & MDPMLN4519)	Receive and transmit	PTT on mic	Yes	No	FM	ⒺⓍ
C	BDN6668 *	3 wire earpiece with microphone and PTT combined, 3.5mm plug, beige	Receive and transmit	Separate wire PTT	Yes	No	FM	ⒺⓍ
C	BDN6730 *	3 wire earpiece with microphone and PTT combined, 3.5mm plug, black	Receive and transmit	Separate wire PTT	Yes	No	FM	ⒺⓍ
C	BDN6670 *	3 wire extra-loud earpiece with microphone and PTT combined, 3.5mm plug, beige	Receive and transmit	Separate wire PTT	Yes	No	FM	ⒺⓍ
C	BDN6732 *	3 wire extra-loud earpiece with microphone and PTT combined, 3.5mm plug, black	Receive and transmit	Separate wire PTT	Yes	No	FM	ⒺⓍ

CP040, CP140, CP160, CP180, P020, P030, P040, P080, GP300 and P110

Category	Part No.	Description	Operation	PTT	Vox capability	Extra Vox-Switch on PTT	Intrinsic Safety Standard	End User Requirements
A	BDN6720	1 wire ear hook, black	Receive only	NA	NA	NA	FM	ⒺⓍ
A	HMN9727	1 wire earpiece, beige	Receive only	NA	NA	NA	FM	ⒺⓍ
A	RLN4894	1 wire earpiece, black	Receive only	NA	NA	NA	No	ⒺⓍ
A	HMN9752	1 wire earpiece with volume control, beige	Receive only	NA	NA	NA	FM	ⒺⓍ
B	HMN9754	2 wire earpiece with microphone and PTT combined, beige	Receive and transmit	PTT on mic	No	No	FM	ⒺⓍ
B	RLN4895	2 wire earpiece with microphone and PTT combined, black	Receive and transmit	PTT on mic	No	No	No	ⒺⓍ
B	HMN9036	2 wire earbud with microphone and PTT combined, black	Receive and transmit	PTT on mic	No	No	FM	ⒺⓍ
B	PMLN4294	2 wire earbud with microphone and PTT combined	Receive and transmit	PTT on mic	Yes	No	No	ⒺⓍ
	PMLN4605	Voicetube kit for PMLN4294	NA	NA	No	No	FM	
B	MDPMLN4606	2 wire earpiece with clear acoustic tube (consisting of PMLN4605 & PMLN4294)	Receive and transmit	PTT on mic	Yes	No	FM	ⒺⓍ

* Earpieces required audio adapter MDPMLN4455 for usage with radio

Features and specifications are subject to change without notice

Audio - Earpieces

CP040, CP140, CP160, CP180, P020, P030, P040, P080, GP300 and P110

Category	Part No.	Description	Operation	PTT	Vox capability	Extra Vox-Switch on PTT	Intrinsic Safety Standard	End User Requirements
A	MDPMLN4442	MagOne earbud with in-line microphone and PTT	Receive and transmit	In-line	Yes	Yes	No	
A	MDPMLN4443	MagOne earpiece with in-line microphone and PTT	Receive and transmit	In-line	Yes	Yes	No	

GP900 and GP1200

Category	Part No.	Description	Operation	PTT	Vox capability	Extra Vox-Switch on PTT	Intrinsic Safety Standard	End User Requirements
A	BDN6664 *2	1 wire earpiece 3.5mm plug, beige	Receive only	NA	NA	NA	FM	ⒺⓍ
A	BDN6726 *2	1 wire earpiece 3.5mm plug, black	Receive only	NA	NA	NA	FM	ⒺⓍ
A	BDN6665 *2	1 wire extra-loud earpiece 3.5mm plug, beige	Receive only	NA	NA	NA	FM	ⒺⓍ
A	BDN6727 *2	1 wire extra-loud earpiece 3.5mm plug, black	Receive only	NA	NA	NA	No	ⒺⓍ
A	BDN6666 *2	1 wire earpiece with volume control, 3.5mm plug, beige	Receive only	NA	NA	NA	FM	ⒺⓍ
A	BDN6728 *2	1 wire Earpiece with volume control, 3.5mm plug, black	Receive only	NA	NA	NA	FM	ⒺⓍ
B	BDN6667 *2	2 wire earpiece with microphone and PTT combined, 3.5mm plug, beige	Receive and transmit	PTT on mic	Yes	No	FM	ⒺⓍ
B	BDN6729 *2	2 wire earpiece with microphone and PTT combined, 3.5mm plug black	Receive and transmit	PTT on mic	Yes	No	FM	ⒺⓍ
B	BDN6669 *2	2 wire extra-loud earpiece with microphone and PTT combined, 3.5mm plug, beige	Receive and transmit	PTT on mic	Yes	No	FM	ⒺⓍ
B	BDN6731 *2	2 wire extra-loud earpiece with microphone and PTT combined, 3.5mm plug black	Receive and transmit	PTT on mic	Yes	No	FM	ⒺⓍ
C	BDN6668 *2	3 wire earpiece with microphone and PTT combined, 3.5mm plug, beige	Receive and transmit	Separate wire PTT	Yes	No	FM	ⒺⓍ
C	BDN6730 *2	3 wire earpiece with microphone and PTT combined, 3.5mm plug, black	Receive and transmit	Separate wire PTT	Yes	No	FM	ⒺⓍ
C	BDN6670 *2	3 wire extra-loud earpiece with microphone and PTT combined, 3.5mm plug, beige	Receive and transmit	Separate wire PTT	Yes	No	FM	ⒺⓍ
C	BDN6732 *2	3 wire extra-loud earpiece with microphone and PTT combined, 3.5mm plug, black	Receive and transmit	Separate wire PTT	Yes	No	FM	ⒺⓍ

*2 Earpieces required audio adapter BDN6676 for usage with radio

Visar

Category	Part No.	Description	Operation	PTT	Vox capability	Extra Vox-Switch on PTT	Intrinsic Safety Standard	End User Requirements	
A	BDN6664	1 wire earpiece 3.5mm plug, beige	Receive only	NA	NA	NA	FM	Ⓔ	
A	BDN6726	1 wire earpiece 3.5mm plug, black	Receive only	NA	NA	NA	FM	Ⓔ	
A	BDN6665	1 wire extra-loud earpiece 3.5mm plug, beige	Receive only	NA	NA	NA	FM	Ⓔ	
A	BDN6727	1 wire extra-loud earpiece 3.5mm plug, black	Receive only	NA	NA	NA	FM	Ⓔ	
A	BDN6666	1 wire earpiece with volume control, 3.5mm plug, beige	Receive only	NA	NA	NA	FM	Ⓔ	
A	BDN6728	1 wire Earpiece with volume control, 3.5mm plug, black	Receive only	NA	NA	NA	FM	Ⓔ	
B	BDN6667	2 wire earpiece with microphone and PTT combined, 3.5mm plug, beige	Receive and transmit	PTT on mic	Yes	No	FM		Ⓔ
B	BDN6729	2 wire earpiece with microphone and PTT combined, 3.5mm plug black	Receive and transmit	PTT on mic	Yes	No	FM		Ⓔ
B	BDN6669	2 wire extra-loud earpiece with microphone and PTT combined, 3.5mm plug, beige	Receive and transmit	PTT on mic	Yes	No	FM		Ⓔ
B	BDN6731	2 wire extra-loud earpiece with microphone and PTT combined, 3.5mm plug black	Receive and transmit	PTT on mic	Yes	No	FM		Ⓔ
C	BDN6668	3 wire earpiece with microphone and PTT combined, 3.5mm plug, beige	Receive and transmit	Separate wire PTT	Yes	No	FM		Ⓔ
C	BDN6730	3 wire earpiece with microphone and PTT combined, 3.5mm plug, black	Receive and transmit	Separate wire PTT	Yes	No	FM		Ⓔ
C	BDN6670	3 wire extra-loud earpiece with microphone and PTT combined, 3.5mm plug, beige	Receive and transmit	Separate wire PTT	Yes	No	FM		Ⓔ
C	BDN6732	3 wire extra-loud earpiece with microphone and PTT combined, 3.5mm plug, black	Receive and transmit	Separate wire PTT	Yes	No	FM		Ⓔ

Features and specifications are subject to change without notice

Earpieces for Remote Speaker Microphones

Category	Part No.	Description	Operation	PTT	Vox capability	Extra Vox-Switch on PTT	Intrinsic Safety Standard	End User Requirements	
D	WADN4190	Ear hook 3,5mm plug	Receive only	NA	NA	NA	FM	Ⓔ	
D	MDRLN4885	Earbud 3.5mm plug for RSM	Receive only	NA	NA	NA	FM	Ⓔ	
D	MDRLN4941	Receive only earpiece with translucent tube and 3.5mm plug	Receive only	NA	NA	NA	FM	Ⓔ	
D	MDPMLN4620	D-Shell ear receiver for RSM , 3.5mm plug	Receive only	NA	NA	NA	FM	Ⓔ	
D	MDPMLN4621	D-Shell ear receiver for RSM , 2,5mm plug	Receive only	NA	NA	NA	FM	Ⓔ	
D	MDPMLN4393	Earbud with 2.5mm plug	Receive only	NA	NA	NA	No	Ⓔ	

Audio - Headsets and Specialist Solutions

ULTRA LIGHT WEIGHT HEADSETS

- Stylish and light weight for customer-facing users
- Innovative design that can be worn on either ear
- In-line push-to-talk button for ease of use

A

LIGHT WEIGHT HEADSETS

- Improved comfort for extended usage
- Ideal for use in environments with moderate noise levels
- Enhanced communication privacy

B

HEAVY DUTY HEADSETS

- Noise-cancelling microphone and noise reducing earmuffs to ensure clear communication in noisy environments
- Suitable for use with safety headgear
- Rugged and hard-wearing design

D

MEDIUM WEIGHT HEADSETS
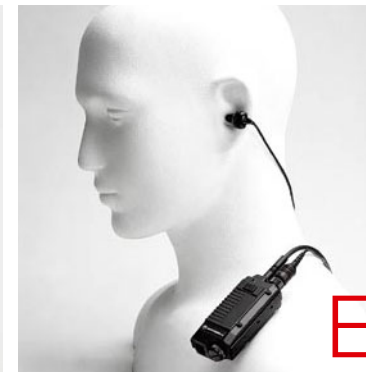
- Noise-cancelling microphone for use in noisy environments
- Suitable for use with safety headgear
- Rugged and hard-wearing design

C
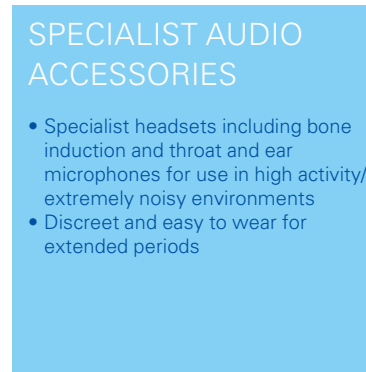
SPECIALIST AUDIO ACCESSORIES

- Specialist headsets including bone induction and throat and ear microphones for use in high activity/ extremely noisy environments
- Discreet and easy to wear for extended periods

E

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Audio - Headsets and Specialist Solutions

Ultra light and light weight headsets for comfortable handsfree radio operation. Medium and heavy duty headsets providing noise reduction on received audio and noise compensation on microphones.

Specialist headsets including bone induction, throat and ear transducers for use in high activity or challenging environments.

PTT: Does the accessory have an integrated push-to-talk (PTT) button, negating use of the radio PTT?

Receive via: How does the user hear a message with this accessory?

Transmit via: How does the user send a message with this accessory?

VOX Capability: Can a message be sent without the user pressing the PTT button on the radio or accessory (when VOX is supported by the radio)? For more information please contact your local authorised Motorola communication solutions provider.

Extra VOX switch on PTT: Are the PTT and VOX functions combined in a switch?

Intrinsic Safety Standard: Does the accessory meet any safety standards?

GP Professional GP140 - GP1280

Category	Part No.	Description	PTT	Receive via	Transmit via	Headband	Vox capability	Extra Vox-Switch on PTT	Intrinsic Safety Standard	End User Requirements		
A	ENMN4012	Ultra light weight headset with in-line PTT (breeze)	In-line	Single ear	Boom mic	Behind	Yes	No	FM			ⓔ
A	MDPMLN4653	D Shell ultra light weight headset with PTT and VOX	In-line	Single ear	Boom mic	None	Yes	Yes	No			ⓔ
B	MDRMN4017	Light weight headset	No	Single ear	Boom mic	None	Yes	No	FM			ⓔ
B	ENMN4015 *	Light weight headset	No	Both ears	Boom mic	Over	Yes	No	FM			ⓔ
B	MDRMN4018	Light weight headset with PTT	In-line	Single ear	Boom mic	Over	Yes	No	FM			ⓔ
B	MDRMN4031 *	Light weight headset	No	Single ear	Boom mic	Over	Yes	No	FM			ⓔ
B	MDPMLN4558	MagOne Light weight headset with PTT	In-line	Single ear	Boom mic	Over	Yes	Yes	FM			ⓔ
C	ENMN4016	Medium weight headset with PTT	In-line	Both ears	Boom mic	Behind	Yes	No	FM	Ⓢ	Ⓡ	
C	MDRMN4019	Medium weight headset with PTT	In-line	Both ears	Boom mic	Over	Yes	No	FM	Ⓢ	Ⓡ	
C	MDRMN4032 *	Medium weight headset	No	Both ears	Boom mic	Over	No	No	FM	Ⓢ	Ⓡ	
D	MDRMN4020 *	Heavy duty headset with ear cup PTT	Yes	Both ears	Boom mic	Over	Yes	Yes	FM	Ⓢ	Ⓡ	
E	BDN6641 *2	Bone inductive ear microphone, grey	No	Single ear	Ear mic	None	VOX via voiceducer	No	FM			ⓔ
E	BDN6677 *2	Bone inductive ear microphone, black	No	Single ear	Ear mic	None	VOX via voiceducer	No	No			ⓔ
E	BDN6678 *2	Bone inductive ear microphone, beige	No	Single ear	Ear mic	None	VOX via voiceducer	No	FM			ⓔ

* Can not be used with the trunked models GP240, GP280, GP540, GP580, GP640, GP680 and GP1280
*2 Requires the voiceducer with PTT MDRMN4044 or with VOX/PTT switch MDRMN4045

Features and specifications are subject to change without notice

GP Professional GP140 - GP1280

Category	Part No.	Description	PTT	Receive via	Transmit via	Headband	Vox capability	Extra Vox-Switch on PTT	Intrinsic Safety Standard	End User Requirements		
E	ENMN4010	Noise com direct connection	In-line	Single ear	Boom mic	None	Yes	No	FM			ⓔ
E	ENMN4018	Helmet com direct connection	Yes	Single ear	Bone Induction	Over	Yes	No	FM			ⓔ
E	WALN4062	Helmet com (requires PTT module)	No	Single ear	Bone Induction	Over	Yes	No	Cenelec and Standard			ⓔ
E	WALN4064	Noise com (requires PTT Module)	No	Single ear	Boom mic	None	Yes	No	Cenelec and Standard			ⓔ
E	ENLN4135	PTT module	Yes	NA	NA	NA	NA	NA	FM			ⓔ
E	GMMN1108	Bone inductive ear microphone CT475	In-line	Single ear	Bone Induction	NA	Yes	No	ATEX	Ⓢ		ⓔ
B	GMLN1117	Light weight headset with multi PTT and direct connection	In-line	Single ear	Boom mic	Over	Yes	No	ATEX	Ⓢ		ⓔ
C	GMLN1114	Medium headset with PTT and ambient sound reception	In-line	Both ears	Boom mic	Over	Yes	No	ATEX	Ⓢ	Ⓡ	
E	GMLN1109	Contact com bone inductive headset	In-line	Single ear	Bone Induction	None	Yes	No	ATEX	Ⓢ		ⓔ

GP Compact GP344, GP388, GP644 and GP688

Category	Part No.	Description	PTT	Receive via	Transmit via	Headband	Vox capability	Extra Vox-Switch on PTT	Intrinsic Safety Standard	End User Requirements	
A	MDPMLN4657	D Shell ultra light weight headset with PTT and VOX	In-line	Single ear	Boom mic	None	Yes	Yes	No		(E)
B	MDJMMN4066	Light weight headset with boom microphone and in-line PTT	In-line	Single ear	Boom mic	Over	Yes	No	FM		(E)
D	BDN6635	Heavy duty headset with noise canceling boom mic (requires adapter cable BDN6639)	No	Both ears	Boom mic	Over	Yes	Yes	FM	(S) (R)	
D	BDN6636	Heavy duty headset with throat microphone (requires adapter cable BDN6639)	No	Both ears	Throat mic	Over	Yes	No	FM	(S) (R)	
D	BDN6645	Heavy duty headset with ear cup PTT (requires adapter cable BDN6639)	Ear cup	Both ears	Boom mic	Over	Yes	No	FM	(S) (R)	
E	BDN6768 *3	Bone inductive ear microphone, black	No	Single ear	Ear mic	None	VOX via voiceducer	No	No		(B)
E	BDN6769 *3	Bone inductive ear microphone, beige	No	Single ear	Ear mic	None	VOX via voiceducer	No	No		(B)

*3 Requires the voiceducer with VOX/PTT switch MDJMMN4064

CP040, CP140, CP160, CP180, P020, P030, P040, P080, GP300 and P110

Category	Part No.	Description	PTT	Receive via	Transmit via	Headband	Vox capability	Extra Vox-Switch on PTT	Intrinsic Safety Standard	End User Requirements	
A	MDPMLN4658	D Shell ultra light weight headset with PTT and VOX	In-line	Single ear	Boom mic	None	Yes	Yes	No		(E)
A	RLN5411	Ultra light weight headset with in-line PTT (breeze)	In-line	Single ear	Boom mic	Behind	Yes	No	No		(E)
A	MDPMLN4444	MagOne ultra light weight headset with in-line PTT and VOX	In-line	Single ear	Boom mic	None	Yes	Yes	No		(E)
B	MDPMLN4445	MagOne light weight headset with in-line PTT and VOX	In-line	Single ear	Boom mic	Over	Yes	Yes	No		(E)
B	HMN9013	Light weight headset	No	Single ear	Boom mic	Over	Yes	No	FM		(E)
B	HMN9787	Light weight headset	No	Single ear	Boom mic	Over	Yes	No	FM		(E)
B	RMN4016	Light weight headset with swivel boom microphone	In-line	Single ear	Boom mic	Over	Yes	No	No		(E)
B	RLN5238	Light weight headset with in-line PTT, stadium style	In-line	Single ear	Boom mic	Over	Yes	No	No		(E)
C	HMN9021	Medium weight dual muff headset	No	Both ears	Boom mic	Over	Yes	No	No	(S) (R)	
C	HMN9022	Medium weight dual muff headset	No	Both ears	Boom mic	Behind	Yes	No	No	(S) (R)	
C	RMN4051	Medium weight hard hat mount, black	No	Both ears	Boom mic	Over	Yes	No	No	(S) (R)	
D	BDN6648	Heavy duty dual muff headset with noise canceling microphone	No	Both ears	Boom mic	Over	Yes	No	FM	(S) (R)	
D	RMN5015	Heavy duty dual muff racing headset (requires RKN4090 headset adapter cable)	No	Both ears	Boom mic	Over	Yes	No	No	(S) (R)	
E	BDN6646	Bone inductive ear microphone with PTT interface (includes BDN6677)	Yes	Single ear	Ear mic	None	No	No	FM		(B)
E	BDN6706	Bone inductive ear microphone with VOX/PTT interface (includes BDN6677)	Yes	Single ear	Ear mic	None	Yes	Yes	No		(B)

Features and specifications are subject to change without notice

GP900 and GP1200

Category	Part No.	Description	PTT	Receive via	Transmit via	Headband	Vox capability	Extra Vox-Switch on PTT	Intrinsic Safety Standard	End User Requirements		
A	NMN6246	Ultra light weight headset	In-line	Single ear	Boom mic	None	Yes	No	FM			(EX)
B	ELN4640	Light weight headset with noise canceling microphone and PTT (requires adapter ELN4647)	Yes	Single ear	Boom mic	Over	Yes	No	Cenelec and ATEX	(S)		(EX)
D	BDN6635	Heavy duty headset with noise canceling boom mic (requires adapter cable BDN6673)	No	Both ears	Boom mic	Over	Yes	Yes	FM	(S)	(R)	
D	BDN6636	Heavy duty headset with throat microphone (requires adapter cable BDN6673)	No	Both ears	Throat mic	Over	Yes	No	FM	(S)	(R)	
D	BDN6645	Heavy duty headset with in-line PTT (requires adapter cable BDN6673)	In-line	Both ears	Boom mic	Behind	yes	No	FM	(S)	(R)	
E	BDN6641 *4	Bone inductive ear microphone, grey	No	Single ear	Ear mic	None	VOX via voiceducer	No	FM			(B)
E	BDN6677 *4	Bone inductive ear microphone, black	No	Single ear	Ear mic	None	VOX via voiceducer	No	FM			(B)
E	BDN6678 *4	Bone inductive ear microphone, beige	No	Single ear	Ear mic	None	VOX via voiceducer	No	FM			(B)
E	ELN4638	Contact com PTT (requires adapter ELN4647)	Yes	Single ear	Bone Induction	NA	No	No	Cenelec and ATEX	(S)		(B)
E	WALN4062	Helmet com (requires PTT Module)	No	Single ear	Bone Induction	Over	Yes	No	Cenelec and ATEX	(S)		(B)
E	WALN4064	Noise com (requires PTT module)	No	Single ear	Boom mic	None	Yes	No	Cenelec and ATEX	(S)		(B)
E	WALN4069	PTT module	Yes	NA	NA	NA	NA	NA	Cenelec and ATEX	(S)		(B)
E	WALN4091	Noise com direct connection	In-line	Single Ear	Discreet mic	NA	No	No	No			(B)

*4 Requires the voiceducer with PTT BDN6708 and with VOX/PTT switch BDN6671

Features and specifications are subject to change without notice

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Visar

Category	Part No.	Description	PTT	Receive via	Transmit via	Headband	Vox capability	Extra Vox-Switch on PTT	Intrinsic Safety Standard	End User Requirements		
A	NMN6246	Ultra light weight headset	In-line	Single ear	Boom mic	None	Yes	No	FM			(EX)
E	BDN6768	Bone inductive ear microphone, black	No	Single ear	Ear mic	None	VOX via voiceducer	No	No			(B)
E	BDN6769	Bone inductive ear microphone, beige	No	Single ear	Ear mic	None	VOX via voiceducer	No	No			(B)

23

Audio - Remote Speaker Microphones (RSMs)

REMOTE SPEAKER MICROPHONES

- Provide convenient location of key radio controls, high power audio output with optional discreet audio earpiece
- Most durable and flexible accessory with or without remote antenna for increased range
- Robust and water resistance for the most challenging environments

Most durable and flexible accessory with or without remote antenna capability. Provides convenient location of key radio controls, high power audio output or optional discreet audio earpiece. True extension of radio with equivalent robustness in challenging environments.

Audio Jack: Enables in combination with earpiece, a discreet message reception.

Emergency button: How does the end-user communicate an emergency situation?

Volume Control: Can the user control the level of volume?

Noise Cancelling: Can the accessory reduce the background noise when speaking?

Intrinsic Safety Standard: Does the accessory meet any safety standards?

GP Professional GP140 - GP1280

Part No.	Description	Audio Jack	Emergency Button	Volume Control	Antenna	Noise Cancelling	Intrinsic Safety Standard	End User Requirements
MDHMN9052 *	Remote speaker microphone with omnidirectional mic	No	No	No	No	No	FM	B
MDHMN9053 *	Remote speaker microphone with noise cancelling	3.5mm	No	No	No	Yes	FM	B
MDHMN9054 *	Public safety microphone with antenna (for use with UHF models only)	3.5mm	No	No	Yes	No	FM	B
MDRMN5037 *2	Rugged remote speaker microphone with volume control	No	No	Yes	No	No	FM	R B
MDRMN5055 *2	Rugged remote speaker microphone with volume control	3.5mm	No	Yes	No	No	FM	R B
GMMN1111 *3	Rugged remote speaker microphone with volume control and emergency button	No	Yes	Yes	No	Yes	ATEX	S R B
MDPMMN4009	MagOne Remote speaker microphone with omnidirectional mic	No	No	No	No	No	No	B

GP Compact GP344, GP388, GP644 and GP688

Part No.	Description	Audio Jack	Emergency Button	Volume Control	Antenna	Noise Cancelling	Intrinsic Safety Standard	End User Requirements
MDJMMN4073	Remote speaker microphone with omnidirectional mic	2.5mm	No	No	No	No	FM	B

CP040, CP140, CP160, CP180, P020, P030, P040, P080, GP300 and P110

Part No.	Description	Audio Jack	Emergency Button	Volume Control	Antenna	Noise Cancelling	Intrinsic Safety Standard	End User Requirements
HMN9030	Remote speaker microphone with omnidirectional mic	No	No	No	No	No	FM	B
MDPMMN4008	MagOne Remote speaker microphone with omnidirectional mic	No	No	No	No	No	No	B

GP900 and GP1200

Part No.	Description	Audio Jack	Emergency Button	Volume Control	Antenna	Noise Cancelling	Intrinsic Safety Standard	End User Requirements
NMN6191	Remote speaker microphone with noise cancelling	3.5mm	No	No	No	Yes	FM	B
NMN6193	Remote speaker microphone with omnidirectional mic	3.5mm	No	No	No	No	FM	B
NMN6242	Remote speaker microphone with emergency button and omnidirectional mic	3.5mm	Yes	Yes	Yes	No	No	B

GP900 and GP1200

Part No.	Description	Audio Jack	Emergency Button	Volume Control	Antenna	Noise Cancelling	Intrinsic Safety Standard	End User Requirements
RMN5038	Rugged remote speaker microphone with volume control and emergency button	3.5mm	Yes	Yes	No	Yes	No	B
EMN6225	Remote speaker microphone with noise cancelling. Cenelec approved	3.5mm	No	No	No	Yes	Cenelec	S B
EMN6226	Remote speaker microphone with omnidirectional mic. Cenelec approved	3.5mm	No	No	No	No	Cenelec	S B
EMN6230	Remote speaker microphone with noise cancelling. ATEX approved	3.5mm	No	No	No	Yes	ATEX	S B
EMN6231	Remote speaker microphone with omnidirectional mic. ATEX approved	3.5mm	No	No	No	No	ATEX	S B

Visar

Part No.	Description	Audio Jack	Emergency Button	Volume Control	Antenna	Noise Cancelling	Intrinsic Safety Standard	End User Requirements
NMN6196	Remote speaker microphone with omnidirectional mic	No	No	No	No	No	FM	B

* Please refer to Technical Information Bulletin CT2016 before using a remote speaker microphone.
*2 Can not be used with the trunked models GP240, GP280, GP540, GP580, GP640, GP680 and GP1280
*3 For ATEX models GP340 Ex, GP380 Ex, GP580 Ex and GP680 Ex

Features and specifications are subject to change without notice

What radio users want to do is communicate, not carry a radio. With a Motorola carry accessory you can put the radio on your belt and forget about it until you need to communicate. When combined with an audio accessory you only need to take the radio off your belt when it's time to go home.

Motorola has a number of hard and soft, leather and nylon carry cases, rugged plastic belt clips and quick-release plastic holsters. Specialist solutions such as nylon chest packs are also available.

SPRING CLIPS

A

- A simple and economical solution
- Easy-release mechanism
- Secure attachment of radio

PLASTIC HOLSTERS

B

- Robust and light weight solution
- Attaches easily to most belts

NYLON CARRY CASES

C

- Protects radio from dust and water
- Durable, light and easy-to-clean
- Allows display visibility and access to keypad
- Ensures secure belt mounting
- Radio can be easily used in the case

LEATHER CARRY CASES

D

- Helps protect radio from dust, water and daily knocks
- Hard-wearing leather
- Allows display visibility and access to keypad
- Case detaches easily from the belt loop for use
- Attaches easily to most belts

LEATHER CARRY CASES WITH SWIVEL BELT LOOP

E

- Helps protect radio from dust, water and daily knocks
- Hard-wearing leather
- Allows display visibility and access to keypad
- Increased comfort as swivel belt loop allows radio and case to swing as user moves
- Case detaches easily from the belt loop for use
- Attaches easily to most belts

ALTERNATIVE CARRY SOLUTIONS

F

- Including waterproof bags, chest packs, shoulder and wrist straps

Carry

Standard supplied carry aids are belt clips which provide simple relatively secure solution.

Nylon cases represent a good alternative to belt clips giving good abrasion resistance and low level protection to radio.

Leather carry solutions offer best resistance to environment and most secure radio retention.

A range of alternative carry solutions are provided for waterproof applications or diverse wearing requirements such as chest.

Material: What is the accessory made of?

Attachment: How does the accessory attach to the user or user's clothing?

Belt swivel: For carry cases - does it attach to a belt clip that allows the radio to hang and move with the user?

GP Professional GP140 - GP1280

Category	Part No.	Description	Material	Belt Attachment	Belt Swivel	Quick release of the radio	End User Requirements		
C	HLN9701	Nylon carry case for non keypad models	Nylon	Belt loop	No	Yes			(EU)
D	HLN9652	Leather carry case with belt loop for non keypad models (for radios with slim Lithium Ion battery)	Hard leather	Belt loop	No	Yes	(S)	(R)	
D	HLN9665	Leather carry case with belt loop for non keypad models (for radios with NiMh, NiCd and FM battery)	Hard leather	Belt loop	No	No	(S)	(R)	
D	HLN9677	Leather carry case with belt loop for keypad models (for radios with slim Lithium Ion battery)	Hard leather	Belt loop	No	Yes	(S)	(R)	
D	HLN9689	Leather carry case with belt loop for keypad models (for radios with NiMh, NiCd and FM battery)	Hard leather	Belt loop	No	No	(S)	(R)	
D	HLN9695	Leather carry case with belt loop (GP1280)	Hard leather	Belt loop	No	No	(S)	(R)	
D	HLN9698	Leather carry case with belt loop (GP1280)	Hard leather	Belt loop	No	No	(S)	(R)	
E	HLN9670	Leather carry case with swivel belt loop for non keypad models (for radios with slim Lithium Ion battery)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
E	HLN9676	Leather carry case with swivel belt loop for non keypad models (for radios with NiMh and NiCd battery)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
E	HLN9690	Leather carry case with swivel belt loop for keypad models (for radios with slim Lithium Ion battery)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
E	HLN9694	Leather carry case with swivel belt loop for keypad models (for radios with NiMh and NiCd battery)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
E	HLN9699	Leather carry case with swivel belt loop (GP1280) (for radios with slim Lithium Ion battery)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	

GP Professional GP140 - GP1280

Category	Part No.	Description	Material	Belt Attachment	Belt Swivel	Quick release of the radio	End User Requirements		
E	HLN9700	Leather carry case with swivel belt loop (GP1280)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
A	HLN9714	Spring belt clip	Plastic	Clip	No	Yes			(EU)
B	HLN9952	Plastic holster	Plastic	Clip	No	Yes			(EU)
F	GLN6591	Shoulder strap	Nylon	NA	NA	NA			(EU)
D	GMLN1112 *	Soft leather case for GP380 EX, GP580 EX and GP680 EX (for keypad models)	Soft leather	Belt loop	No	Yes	(S)		
D	GMLN1113 *	Soft leather case for GP340 EX	Soft leather	Belt loop	No	Yes	(S)		
D	GMLN1110 *	Heavy duty leather case for GP380 EX, GP580 EX and GP680 EX (for keypad models)	Hard leather	Belt loop	No	Yes	(S)	(R)	
D	GMLN1111 *	Heavy duty leather case for GP340 EX	Hard leather	Belt loop	No	Yes	(S)	(R)	

GP Compact GP344, GP388, GP644 and GP688

C	PMLN4470	Nylon carry case	Nylon	Belt loop	No	Yes			(EU)
E	PMLN4421	Soft leather carry case with swivel belt loop (GP344 and GP644)	Soft leather	Belt loop	Yes	Yes	(S)		
E	PMLN4521	Soft leather carry case with swivel belt loop (GP388 and GP688)	Soft leather	Belt loop	Yes	Yes	(S)		
E	PMLN4471	Hard leather case with swivel belt loop	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
A	HLN9714	Spring belt clip	Plastic	Clip	No	Yes			(EU)
B	JMZN4023	Plastic holster	Plastic	Clip	No	Yes			(EU)
F	JMZN4020	Wrist strap	Nylon	NA	NA	Yes			(EU)

Features and specifications are subject to change without notice

* For use with ATEX models

Commercial CP040, CP140, CP160 and CP180

Category	Part No.	Description	Material	Belt Attachment	Belt Swivel	Quick release of the radio	End User Requirements		
C	HLN9701	Nylon carry case (for radios with slim Lithium Ion battery)	Nylon	Belt loop	No	Yes			(Ex)
D	RLN5383	Leather carry case with belt loop (CP140)	Hard leather	Belt loop	No	Yes	(S)	(R)	
E	RLN5384	Leather carry case with 6.4 cm swivel belt loop (CP140)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
E	RLN5385	Leather carry case with 7.6 cm swivel belt loop (CP140)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
D	RLN5640	Leather carry case with belt loop (CP160)	Hard leather	Belt loop	No	Yes	(S)	(R)	
E	RLN5641	Leather carry case with 6.4 cm swivel belt loop (CP160)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
E	RLN5642	Leather carry case with 7.6 cm swivel belt loop (CP160)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
D	RLN5496	Leather carry case with belt loop (CP180)	Hard leather	Belt loop	No	Yes	(S)	(R)	
E	RLN5497	Leather carry case with 6.4 cm swivel belt loop (CP180)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
E	RLN5498	Leather carry case with 7.6 cm swivel belt loop (CP180)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
A	HLN8255	Spring belt clip	Plastic	Clip	No	Yes			(Ex)
F	NTN5243	Shoulder strap	Nylon	NA	NA	Yes			(Ex)

P040 and P080

Category	Part No.	Description	Material	Belt Attachment	Belt Swivel	Quick release of the radio	End User Requirements		
C	RLN4868	Nylon carry case	Nylon	Belt loop	No	Yes			(Ex)
D	RLN4865	Leather carry case with belt loop (for non keypad models)	Hard leather	Belt loop	No	Yes	(S)	(R)	
D	RLN4874	Leather carry case with belt loop (for keypad models)	Hard leather	Belt loop	No	Yes	(S)	(R)	
E	RLN4866	Leather carry case with swivel belt loop (for non keypad models)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
E	RLN4873	Leather carry case with swivel belt loop (for keypad models)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
A	HLN9844	Spring belt clip	Plastic	Clip	No	Yes			(Ex)

P020 and P030

Category	Part No.	Description	Material	Belt Attachment	Belt Swivel	Quick release of the radio	End User Requirements		
D	PMLN4467	Soft leather carry case	Soft leather	Belt loop	No	Yes	(S)		
A	HLN9844	Spring belt clip	Plastic	Clip	No	Yes			(Ex)
B	PMLN4468	Plastic holster	Plastic	Clip	No	Yes			(Ex)
F	4285820Z01	Shoulder strap	Nylon	NA	NA	Yes			(Ex)

GP900 and GP1200

Category	Part No.	Description	Material	Belt Attachment	Belt Swivel	Quick release of the radio	End User Requirements		
C	NTN7247	Nylon carry case (for radios with high and ultra high capacity battery)	Nylon	Belt loop	No	Yes			(Ex)
D	NTN7238	Leather carry case with snap belt loop and press-button and T-strap for radios with high capacity battery (1300 mAh)	Hard leather	Belt loop	No	Yes	(S)	(R)	
D	NTN7239 *2	Leather carry case with belt loop (for GP900)	Hard leather	Belt loop	No	Yes	(S)	(R)	
D	NDN4018 *2	Leather carry case with snap belt loop, press-button and T-strap (for keypad models)	Hard leather	Belt loop	No	Yes	(S)	(R)	
E	NTN7241	Leather carry case with 6.4 cm swivel belt loop and T-Strap for radios with high capacity batteries (1300 mAh)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
E	NTN7242 *2	Leather carry case with 6.4 cm swivel belt loop and T-Strap for GP900 radios with high capacity batteries (1300 mAh)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
E	NTN7244	Leather carry case with 7.6 cm swivel belt loop for radios with high capacity batteries (1300 mAh)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
E	NTN7245 *2	Leather carry case with 7.6 cm swivel belt loop for GP900 radios with ultra high capacity batteries (1500 mAh)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
E	NDN4017 *2	Leather carry case with 8.2 cm swivel belt loop and T-Strap (for keypad models)	Hard leather	Belt loop	Yes	Yes	(S)	(R)	
A	NTN7318	Spring belt clip	Aluminium	Clip	No	Yes			(Ex)
A	NTN7317	Spring belt clip	Plastic	Clip	No	Yes			(Ex)
F	GLN6591 *2	Shoulder strap	Nylon	NA	NA	NA			(Ex)
F	TDN9675	Wrist strap	Nylon	NA	NA	Yes			(Ex)

*2 Cenelec and ATEX approved

Features and specifications are subject to change without notice

Carry

Visar

Category	Part No.	Description	Material	Belt Attachment	Belt Swivel	Quick release of the radio	End User Requirements
C	TDN9658	Nylon carry case with belt loop for radios with high and ultra high capacity battery	Nylon	Belt loop	No	Yes	[EU]
C	TDN9657	Nylon carry case with belt loop for radios with medium capacity battery	Nylon	Belt loop	No	Yes	[EU]
D	TDN9659	Soft leather carry case with belt loop and wrist strap for radios with medium capacity battery	Soft leather	Belt loop	No	Yes	(S)
B	NTN7633	Plastic holster	Plastic	Clip	No	Yes	[EU]
B	NTN7632	Plastic holster	Plastic	Clip	No	Yes	[EU]

GP300 and P110

Category	Part No.	Description	Material	Belt Attachment	Belt Swivel	Quick release of the radio	End User Requirements
C	HLN9750	Nylon carry case	Nylon	Belt loop	No	Yes	[EU]
C	HLN9017	Large nylon carry case	Nylon	Belt loop	No	Yes	[EU]
D	HLN9008	Large nylon carry case	Nylon	Belt loop	No	Yes	[EU]
D	HLN9720	Leather carry case with belt loop	Hard leather	Belt loop	No	Yes	(S) (R)
D	HLN9721	Leather carry case with small belt loop	Soft leather	Belt loop	No	Yes	(S)
D	HLN9970	Leather carry case with belt loop (for keypad models)	Hard leather	Belt loop	No	Yes	(S) (R)
D	HLN9978	Leather carry case with belt loop (for keypad models)	Hard leather	Belt loop	No	Yes	(S) (R)
E	HLN8411	Leather carry case with swivel belt loop (for keypad models)	Hard leather	Belt loop	Yes	Yes	(S) (R)
E	HLN8412	Leather carry case with swivel belt loop (for keypad models)	Hard leather	Belt loop	Yes	Yes	(S) (R)
E	HLN9009	Large leather carry case with swivel belt loop	Hard leather	Belt loop	Yes	Yes	(S) (R)
E	HLN9011	Large leather carry case with swivel (for keypad models)	Hard leather	Belt loop	Yes	Yes	(S) (R)
E	HLN9873	Large leather carry case with swivel belt loop	Hard leather	Belt loop	Yes	Yes	(S) (R)
A	HLN8255	Spring belt clip	Plastic	Clip	No	Yes	[EU]
B	HLN9076	Plastic holster	Plastic	Clip	No	Yes	[EU]
F	TDN9675	Wrist strap	Nylon	NA	NA	Yes	[EU]

Features and specifications are subject to change without notice

Carry

Universal

Category	Part No.	Description	Material	Belt Attachment	Belt Swivel	Quick release of the radio	End User Requirements
F	HLN6602	Universal chest pack	Nylon	NA	NA	No	[EU]
F	RLN4570	Break away chest pack	Nylon	NA	NA	No	[EU]
F	RLN4815	Universal chest pack	Nylon	Belt loop	No	Yes	[EU]
F	HLN8414	Universal chest pack	Nylon	NA	Yes		[EU]
F	HLN9985	Waterproof bag	Plastic	NA	No	No	[EU]

Batteries

Make sure that you always have the power to communicate at your fingertips with Motorola Original batteries.

To reflect the way that you need to work, Motorola offers different chemistries for extended shift times and reliability in different operating environments.

Nickel Cadmium (NiCd) batteries are long lasting and work well in the cold whilst Nickel Metal Hydride (NiMH) batteries are easier to maintain. Lithium Ion (LiION) batteries require the least maintenance and offer an unrivalled energy-to-weight ratio which allows for lighter and higher capacity batteries.

When used together, Motorola's latest battery and charger technology, Impres™, provides the power and convenience of intelligent battery charging and maintenance.

Impres™ batteries and chargers are particularly suitable for users who regularly leave their base for short periods of time and want to be able to put their radios back on charge upon their return. Thanks to Impres™, they can do this without compromising battery life by overcharging.

Impres™ single-unit chargers are ideal for individual radio users as they allow them to charge and maintain their own batteries without specialist training. Impres™ multi-unit chargers are the perfect solution for simplifying the charging and maintenance of batteries for organisations with larger radio fleets.

Batteries

Nickel Cadmium (NiCd)

- Capable of highest number of charge-discharge cycles.
- In comparison with the different chemistries, NiCd provides the best performance when the core battery temperature is - 30º

A

Lithium Ion (Li-Ion)

B

- Lithium Ion (Li-Ion) for lighter batteries that work for longer
- No memory effect and no battery maintenance required

Nickel Metal Hydride (NiMH)

- Nickel Metal Hydride (NiMH) offers a cost effective energy solution with medium capacity ratings

C

D

IMPRES™

- Impres™ - Leading-edge smart energy technology from Motorola
- Save time and money with intelligent battery management
- Intelligent batteries holding usage data to communicate with Impres™ changers and optimise charging and maintenance
- When used with Impres™ chargers, the technology prevents overcharging and resultant battery damage
- Particularly suitable for customers with large radio fleets and organisations without centralised battery management

Batteries

Impres™ system, Motorola's leading edge technology solution, batteries with usage data memory and optimum charge and conditioning capability.

Chemistry: Which chemicals store energy in this battery? Please refer to previous page for the benefits of each

Operational Time (hours): Typical usage time of battery when fully charged, presuming 90:5:5 standby: send:transmit ratio

Capacity (mAH): MilliAmp Hours - standard way of measuring the energy that a battery can store

Intelligent: Is this an Impres™ battery? Please see previous page for more information

Energy Density (mAH/cm^2): The relationship between the size and energy contained in the battery. The higher the number, the more energy for the battery size

Number of Charge Cycles: Typical number of times in it's lifetime that the battery can be charge

Operating Temperature Range: Temperature range in which the battery will work when charged

Memory Effect: Poor maintenance of some battery chemistry types can reduce their energy capacity

Requires Maintenance: Battery life and performance can be increased for some battery chemistries by using a battery maintenance system. Contact your Authorised Motorola communication solutions provider for more information

GP Professional GP140 - GP1280

Category	Part No.	Description	Dimensions HxWxD (mm)	Weight (g)	Chemistry	Operational Time (hours)	Capacity (mAH)	Intelligent	No. of Charge Cycles	Energy Density (mAH/cm^2)	Operating Temperature Range	Memory Effect	Requires Maintenance	Intrinsic Safety Standard	End User Requirements
C	HNN9008	Battery NiMH 1400mAH high capacity	120 x 52 x 12	204	NiMH	10	1400mAH	No	400	18.7	(-20 - +60 deg C)	Yes	Yes	No	
C	HNN9009	Battery NiMH 1900mAH ultra high capacity	120 x 52 x 22	215	NiMH	14	1900mAH	No	400	13.8	(-20 - +60 deg C)	Yes	Yes	No	
C	HNN9010	Battery NiMH 1800mAH ultra high capacity FM	120 x 52 x 22	269	NiMH	14	1800mAH	No	400	13.1	(-20 - +60 deg C)	Yes	Yes	FM	
A	HNN9011	Battery NiCd 1200mAH high capacity FM	120 x 52 x 20	226	NiCd	8	1200mAH	No	650	9.6	(-30 - +60 deg C)	Yes	Yes	FM	
A	HNN9012	Battery NiCd 1400mAH high capacity	120 x 52 x 22	228	NiCd	10	1400mAH	No	650	10.2	(-30 - +60 deg C)	Yes	Yes	No	
B	NNTN5510	Battery Li-ION 1650mAH ultra high capacity ATEX	120 x 52 x 22	228	Li-ION	12	1650mAH	No	400	11.9	(-10 - +60 deg C)	No	No	ATEX	
B	HNN9013	Battery Li-ION 1800mAH ultra high capacity	120 x 52 x12	125	Li-ION	14	1800mAH	No	400	24.0	(-10 - +60 deg C)	No	No	No	
C, D	HNN4001	Impres battery NiMH 1900mAH ultra high capacity	120 x 52 x 20	280	NiMH	14	1900mAH	Yes	400	15.2	(-20 - +60 deg C)	Yes	Yes	No	
C, D	HNN4002	Impres battery NiMH 1800mAH ultra high capacity FM	120 x 52 x 20	280	NiMH	14	1800mAH	Yes	400	14.4	(-20 - +60 deg C)	Yes	Yes	FM	
B, D	HNN4003	Impres battery Li-ION 2000mAH ultra high capacity	120 x 52 x 20	150	Li-ION	16	2000mAH	Yes	400	16.0	(-10 - +60 deg C)	No	No	No	

Features and specifications are subject to change without notice

GP Compact GP344, GP388, GP644 and GP688

Category	Part No.	Description	Dimensions HxWxD (mm)	Weight (g)	Chemistry	Operational Time (hours)	Capacity (mAH)	Intelligent	No. of Charge Cycles	Energy Density (mAH/cm^2)	Operating Temperature Range	Memory Effect	Requires Maintenance	Intrinsic Safety Standard	End User Requirements
C	JMNN4025	Battery NiMH 700mAH medium capacity FM	90 x 55 x 22	165	NiMH	5	700mAH	No	400	6.4	(-20 - +60 deg C)	Yes	Yes	FM	
B	JMNN4023	Battery Li-ION 1000mAH high capacity	90 x 55 x 15	105	Li-ION	7	1000mAH	No	400	13.5	(-10 - +60 deg C)	No	No	No	
B	JMNN4024	Battery Li-ION 1300mAH ultra high capacity	90 x 55 x 20	125	Li-ION	9	1300mAH	No	400	13.1	(-10 - +60 deg C)	No	No	No	

Commercial CP040, CP140, CP160 and CP180

Category	Part No.	Description	Dimensions HxWxD (mm)	Weight (g)	Chemistry	Operational Time (hours)	Capacity (mAH)	Intelligent	No. of Charge Cycles	Energy Density (mAH/cm^2)	Operating Temperature Range	Memory Effect	Requires Maintenance	Intrinsic Safety Standard	End User Requirements
C	NNTN4851	Battery NiMH 1400mAH	120 x 60 x 22	210	NiMH	10	1400mAH	No	400	8.8	(-20 - +60 deg C)	Yes	Yes	No	
C	NNTN4852	Battery NiMH 1300mAH FM	120 x 60 x 22	220	NiMH	9	1300mAH	No	400	8.2	(-20 - +60 deg C)	Yes	Yes	FM	
A	NNTN4496	Battery NiCd 1100mAH	120 x 60 x 15	160	NiCd	8	1100mAH	No	650	10.2	(-30 - +60 deg C)	Yes	Yes	No	
B	NNTN4497	Battery Li-ION 1800mAH high capacity	120 x 60 x 22	204	Li-ION	14	1800mAH	No	400	11.4	(-10 - +60 deg C)	No	No	No	
B	NNTN4970	Battery Li-ION 1600mAHh medium capacity	120 x 60 x 16	134	Li-ION	12	1600mAH	No	400	13.9	(-10 - +60 deg C)	No	No	No	

P040 and P080

Category	Part No.	Description	Dimensions HxWxD (mm)	Weight (g)	Chemistry	Operational Time (hours)	Capacity (mAH)	Intelligent	No. of Charge Cycles	Energy Density (mAH/cm^2)	Operating Temperature Range	Memory Effect	Requires Maintenance	Intrinsic Safety Standard	End User Requirements
C	PMNN4018	Battery NiMH 1200mAH high capacity	120 x 52 x 16	198	NiMH	8	1200mAH	No	400	12.0	(-20 - +60 deg C)	Yes	Yes	No	
C	PMNN4019	Battery NiMH 1150mAH high capacity FM	120 x 52 x 16	198	NiMH	8	1150mAH	No	400	11.5	(-20 - +60 deg C)	Yes	Yes	FM	
A	PMNN4021	Battery NiCd 1100mAH high capacity	120 x 52 x 16	215	NiCd	10	1100mAH	No	400	11.0	(-30 - +60 deg C)	Yes	Yes	No	

P020 and P030

Category	Part No.	Description	Dimensions HxWxD (mm)	Weight (g)	Chemistry	Operational Time (hours)	Capacity (mAH)	Intelligent	No. of Charge Cycles	Energy Density (mAH/cm^2)	Operating Temperature Range	Memory Effect	Requires Maintenance	Intrinsic Safety Standard	End User Requirements
C	PMNN4063	Battery NiMH 1300mAH high capacity	114 x 52 x 16	212	NiMH	8	1300mAH	No	400	12.7	(-20 - +60 deg C)	Yes	Yes	No	

Batteries

GP900 and GP1200

Category	Part No.	Description	Dimensions HxWxD (mm)	Weight (g)	Chemistry	Operational Time (hours)	Capacity (mAH)	Intelligent	No. of Charge Cycles	Energy Density (mAH/cm^2)	Operating Temperature Range	Memory Effect	Requires Maintenance	Intrinsic Safety Standard	End User Requirements
C	WPNN4013	Battery NiMH 2000mAH ultra high capacity	150 x 57 x 22	255	NiMH	14	2000mAH	No	380	10.6	(-20 - +60 deg C)	Yes	Yes	No	
C	WPNN4037	Battery NiMH 1900mAH ultra high capacity FM	150 x 57 x 22	255	NiMH	14	1900mAH	No	380	10.1	(-20 - +60 deg C)	Yes	Yes	FM	
A	NTN7143	Battery NiCd 1300mAH high capacity	150 x 57 x 18	236	NiCd	8	1300mAH	No	650	8.4	(-30 - +60 deg C)	Yes	Yes	No	
A	NTN7144	Battery NiCd 1500mAH high capacity	150 x 57 x 20	285	NiCd	9	1500mAH	No	650	8.8	(-30 -+60 deg C)	Yes	Yes	No	
A	NTN7146	Battery NiCd 1300mAH high capacity FM	150 x 57 x 18	272	NiCd	8	1300mAH	No	650	8.4	(-30 - +60 deg C)	Yes	Yes	FM	
A	NTN7372	Battery NiCd 1200mAH high capacity FM	150 x 57 x 18	274	NiCd	8	1200mAH	No	650	8.4	(-30 - +60 deg C)	Yes	Yes	FM	
A	NTN7341	Battery NiCd 1350mAH high capacity FM	150 x 57 x 20	283	NiCd	8	1350mAH	No	650	8.8	(-30 - +60 deg C)	Yes	Yes	FM	
A	NTN7147	Battery NiCd 1300mAH high capacity FM	150 x 57 x 20	285	NiCd	9	1300mAH	No	650	8.8	(-30 - +60 deg C)	Yes	Yes	FM	
A	NTN7148	Battery NiCd 1000mAH high capacity Cenelec	150 x 57 x 18	235	NiCd	8	1000mAH	No	650	6.5	(-30 - +60 deg C)	Yes	Yes	Cenelec	
A	RNN4008	Battery NiCd 1000mAH high capacity ATEX	150 x 57 x 18	235	NiCd	8	1000mAH	No	650	6.5	(-30 - +60 deg C)	Yes	Yes	ATEX	
A, D	HNN9028	Impres battery NiCd 1500mAH high capacity (not CE compliant)	150 x 57 x 18	275	NiCd	9	1500mAH	Yes	650	9.7	(-30 - +60 deg C)	Yes	Yes	No	
A, D	HNN9029	Impres battery NiCd 1400mAH high capacity FM (not CE compliant)	150 x 57 x 18	275	NiCd	8	1400mAH	Yes	650	9.1	(-30 -+60 deg C)	No	No	FM	

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Category	Part No.	Description	Dimensions HxWxD (mm)	Weight (g)	Chemistry	Operational Time (hours)	Capacity (mAH)	Intelligent	No. of Charge Cycles	Energy Density (mAH/cm^2)	Operating Temperature Range	Memory Effect	Requires Maintenance	Intrinsic Safety Standard	End User Requirements
C	NTN7396	Battery NiMH 600mAH medium capacity	102 x 55 x 10	138	NiMH	4	600mAH	No	380	10.7	(-20 - +60 deg C)	Yes	Yes	No	
C	NTN7394	Battery NiMH 1500mAH ultra high capacity	102 x 55 x 20	224	NiMH	8	1500mAH	No	380	13.4	(-20 - +60 deg C)	Yes	Yes	No	
A	NTN7395	Battery NiCd 1200mAH ultra high capacity	102 x 55 x 20	228	NiCd	8	1200mAH	No	650	10.7	(-30 - +60 deg C)	Yes	Yes	No	

Features and specifications are subject to change without notice

Batteries

GP300 and P110

Category	Part No.	Description	Dimensions HxWxD (mm)	Weight (g)	Chemistry	Operational Time (hours)	Capacity (mAH)	Intelligent	No. of Charge Cycles	Energy Density (mAH/cm^2)	Operating Temperature Range	Memory Effect	Requires Maintenance	Intrinsic Safety Standard	End User Requirements
A	HNN8148	Battery NiCd 1100mAH high capacity P110	140 x 57 x 16	254	NiCd	8	1100mAH	No	650	8.6	(-30 - +60 deg C)	Yes	Yes	No	
A	HNN9701	Battery NiCd 1100mAH high capacity FM	140 x 57 x 22	223	NiCd	8	1100mAH	No	650	6.3	(-30 - +60 deg C)	Yes	Yes	FM	
A	HNN9808	Battery NiCd 600mAH medium capacity FM	140 x 57 x 17	196	NiCd	4	600mAH	No	650	4.4	(-30 - +60 deg C)	Yes	Yes	FM	
A	HNN9628	Battery NiCd 1200mAH high capacity	140 x 57 x 17	210	NiCd	8	1200mAH	No	650	8.8	(-30 - +60 deg C)	Yes	Yes	No	

Chargers

Motorola offers a range of single- and multi-unit chargers for our different radio platforms. Single-unit chargers give you the freedom to charge your own battery quickly and easily whilst multi-unit chargers make radio fleet management stress-free by allowing up to six batteries to be charged simultaneously.

When used together, Motorola's latest battery and charger technology, Impres™, provides the power and convenience of intelligent battery charging and maintenance.

Impres™ single-unit chargers are ideal for individual radio users as they allow them to charge and maintain their own batteries without specialist training. Impres™ multi-unit chargers are the perfect solution for simplifying the charging and maintenance of batteries for organisations with larger radio fleets.

Motorola Universal Impres™ chargers can be used to charge and maintain batteries from a range of different Motorola radios thus reducing the need for maintaining a number of different chargers for mixed radio fleets.

A

SINGLE UNIT CHARGERS

- Fast charges battery with or without radio
- Only 1 hour required to reach 90% capacity
- Convenient size for desktop usage
- Easy-to-use, durable design

B

MULTI UNIT CHARGERS

- Fast charges battery with or without radio
- Only 1 hour required to reach 90% capacity
- Convenient size for desktop usage
- Easy-to-use, durable design

IMPRES™ CHARGERS

- Impres™ - Leading-edge smart energy technology from Motorola
- Save time and money with intelligent battery management
- Reads data from Impres™ batteries to optimise charging and maintenance
- Prevents overcharging for batteries when radios are removed from and returned to chargers at regular intervals
- Particularly suitable for customers with large radio fleets and organsations without centralised battery management

C

VEHICLE ADAPTERS

- Convenient vehicle charging solution
- Allow extended operation without a mains power supply
- Easy to install

D

Chargers

Multiple Unit Chargers (MUC)

Fast charges six batteries with or without radio,one hour to 90% capacity, typical 3 hours to 100% capacity. Either with integral power supply or separate power supply. Stylish and solid design withstands tough treatment.

Chemistry: Which battery chemistries does this charger support?

Number of Pockets: How many batteries can be charged simultaneously?

Intelligent: Is this an Impres™ charger? Please see previous page for more information

Maintenance System: Can this charger also be used to maintain batteries?

Operating Voltage AC: What mains voltage is required for this charger to operate?

Line Cord: Is this charger supplied with a US, UK or Euro plug?

Display: Does this charger feature a display to allow the user to read off activity information?

Professional GP140 - GP1280 and compact GP344/GP388 - GP644/GP688

Category	Part No.	Description	Dimensions HxWxD (mm)	Weight (Kg)	Chemistry	No. of Pockets	Maintenance System	Operating Voltage AC	Line Cord	Display	Charger Type	End User Requirements
B	MDHTN3004	Multi unit charger with six stations, 230V Euro	152 x 450 x 300	4	Li-ION/NiCd/NiMH	6	No	230 V	Euro	No	Rapid	
B	MDHTN3005	Multi unit charger with six stations, 230V UK	152 x 450 x 300	4	Li-ION/NiCd/NiMH	6	No	230 V	UK	No	Rapid	
B	MDHTN3003	Multi unit charger with six stations, 120V US (not CE compliant)	152 x 450 x 300	4	Li-ION/NiCd/NiMH	6	No	120 V	US	No	Rapid	
B, C	WPLN4189	Impres multi unit charger, 230V Euro	152 x 450 x 300	3.6	Li-ION/NiCd/NiMH	6	Yes	230V	Euro	Option	Impres	⬡
B, C	WPLN4188	Impres multi unit charger , 230V UK	152 x 450 x 300	3.6	Li-ION/NiCd/NiMH	6	Yes	230V	UK	Option	Impres	⬡
B, C	WPLN4205	Impres multi unit charger, 120V US (not CE compliant)	152 x 450 x 300	3.6	Li-ION/NiCd/NiMH	6	Yes	120V	US	Option	Impres	⬡
B, C	WPLN4194	Impres display multi unit charger, 230V Euro	152 x 450 x 300	3.7	Li-ION/NiCd/NiMH	6	Yes	230V	Euro	Yes	Impres	⬡
B, C	WPLN4193	Impres display multi unit charger, 230V UK	152 x 450 x 300	3.7	Li-ION/NiCd/NiMH	6	Yes	230V	UK	Yes	Impres	⬡
B, C	WPLN4204	Impres display multi unit charger, 120V US (not CE compliant)	152 x 450 x 300	3.7	Li-ION/NiCd/NiMH	6	Yes	120V	US	Yes	Impres	⬡

Commercial CP040, CP140, CP160 and CP180

Category	Part No.	Description	Dimensions HxWxD (mm)	Weight (Kg)	Chemistry	No. of Pockets	Maintenance System	Operating Voltage AC	Line Cord	Display	Charger Type	End User Requirements
B	WPLN4162	Multi unit charger with six stations, 230V Euro	25 x 400 x 300	2.4	Li-ION/NiCd/NiMH	6	No	230 V	Euro	No	Rapid	
B	WPLN4163	Multi unit charger with six stations, 230V UK	25 x 400 x 300	2.4	Li-ION/NiCd/NiMH	6	No	230 V	UK	No	Rapid	
B	WPLN4161	Multi unit charger with six stations, 120V US (not CE compliant)	25 x 400 x 300	2.4	Li-ION/NiCd/NiMH	6	No	120 V	US	No	Rapid	

P040 and P080

Category	Part No.	Description	Dimensions HxWxD (mm)	Weight (Kg)	Chemistry	No. of Pockets	Maintenance System	Operating Voltage AC	Line Cord	Display	Charger Type	End User Requirements
B	RLN5220	Multi unit charger with six stations, 230V Euro	25 x 400 x 300	2.4	NiCd/NiMH	6	No	230 V	Euro	No	Rapid	
B	RLN5219	Multi unit charger with six stations, 230V UK	25 x 400 x 300	2.4	NiCd/NiMH	6	No	230 V	UK	No	Rapid	
B	RLN5218	Multi unit charger with six stations, 120V US (not CE compliant)	25 x 400 x 300	2.4	NiCd/NiMH	6	No	120 V	US	No	Rapid	

GP900 and GP1200

Category	Part No.	Description	Dimensions HxWxD (mm)	Weight (Kg)	Chemistry	No. of Pockets	Maintenance System	Operating Voltage AC	Line Cord	Display	Charger Type	End User Requirements
B, C	WPLN4109	Impres multi unit charger universal, 230V Euro	152 x 450 x 300	3.7	Li-ION/NiCd/NiMH	6	Yes	230V	Euro	Option	Impres	⬡
B, C	WPLN4110	Impres multi unit charger universal, 230V UK	152x 450 x 300	3.7	Li-ION/NiCd/NiMH	6	Yes	230V	UK	Option	Impres	⬡
B, C	WPLN4120	Impres multi unit charger universal, 120V US (not CE compliant)	152 x 450 x 300	3.7	Li-ION/NiCd/NiMH	6	Yes	120V	US	Option	Impres	⬡
B, C	WPLN4131	Impres display multi unit charger universal, 230V Euro	152 x 450 x 300	3.9	Li-ION/NiCd/NiMH	6	Yes	230 V	Euro	Yes	Impres	⬡
B, C	WPLN4132	Impres display multi unit charger universal, 230V UK	152x 450 x 300	3.9	Li-ION/NiCd/NiMH	6	Yes	230 V	UK	Yes	Impres	⬡
B, C	WPLN4135	Impres display multi unit charger universal, 120V US (not CE compliant)	152x 450 x 300	3.9	Li-ION/NiCd/NiMH	6	Yes	120 V	US	Yes	Impres	⬡

Features and specifications are subject to change without notice

Chargers

Single Unit Chargers

Professional GP140 - GP1280 and compact GP344/GP388 - GP644/GP688

Category	Part No.	Description	Dimensions HxWxD (mm)	Weight (Kg)	Chemistry	No. of Pockets	Maintenance System	Operating Voltage AC	Line Cord	Display	Charger Type	End User Requirements		
A	MDHTN3001	Rapid single unit charger, 230V Euro	50 x 110 x 100	0.4	Li-ION/NiCd/NiMH	1	No	230 V	Euro	No	Rapid			
A	MDHTN3002	Rapid single unit charger, 230V UK	50 x 110 x 100	0.4	Li-ION/NiCd/NiMH	1	No	230 V	UK	No	Rapid			
A	MDHTN3000	Rapid single unit charger, 120V US (not CE compliant)	50 x 110 x 100	0.4	Li-ION/NiCd/NiMH	1	No	120 V	US	No	Rapid			
A, C	WPLN4184	Impres single unit charger, 230V Euro	55 x 95 x 150	0.2	Li-ION/NiCd/NiMH	1	Yes	230 V	Euro	No	Impres		⑧	
A, C	WPLN4183	Impres single unit charger, 230V UK	55 x 95 x 150	0.2	Li-ION/NiCd/NiMH	1	Yes	230 V	UK	No	Impres		⑧	
A, C	WPLN4206	Impres single unit charger, 120V US (not CE compliant)	55 x 95 x 150	0.2	Li-ION/NiCd/NiMH	1	Yes	120 V	US	No	Impres		⑧	
D	MDRLN4883	Travel charger vehicle adapter with VPA adapter and coiled cable	55 x 35 x 60	0.16	Li-ION/NiCd/NiMH	1	No	12 - 32 VDC	Other	No	Rapid			
D	EN1006	VHF Vehicle adapter (136 MHz - 174 MHz)	250 x 100 x 85	0.8	Li-ION/NiCd/NiMH	1	No	12 - 32 VDC	Other	No	Rapid			
D	EN1007	UHF Vehicle adapter (403 MHz - 470 MHz)	250 x 100 x 85	0.8	Li-ION/NiCd/NiMH	1	No	12 - 32 VDC	Other	No	Rapid			
D	EN1008	UHF Vehicle adapter (450 MHz - 527 MHz)	250 x 100 x 85	0.8	Li-ION/NiCd/NiMH	1	No	12 - 32 VDC	Other	No	Rapid			
D	EN1009	Vehicle adapter (300 MHz)	250 x 100 x 85	0.8	Li-ION/NiCd/NiMH	1	No	12 - 32 VDC	Other	No	Rapid			

Commercial CP040, CP140, CP160 and CP180

A	WPLN4139	Rapid single unit charger, 230V Euro	50 x 100 x110	0.4	Li-ION/NiCd/NiMH	1	No	230 V	Euro	No	Rapid			
A	WPLN4140	Rapid single unit charger, 230V UK	50 x 100 x110	0.4	Li-ION/NiCd/NiMH	1	No	230 V	UK	No	Rapid			
A	WPLN4138	Rapid single unit charger, 120V US	50 x 100 x110	0.4	Li-ION/NiCd/NiMH	1	No	120 V	US	No	Rapid			

Features and specifications are subject to change without notice

P040 and P080

Category	Part No.	Description	Dimensions HxWxD (mm)	Weight (Kg)	Chemistry	No. of Pockets	Maintenance System	Operating Voltage AC	Line Cord	Display	Charger Type	End User Requirements		
A	MDPMTN4036	Rapid single unit charger, 230V Euro	50 x 100 x 110	0.4	NiCd/NiMH	1	No	230 V	Euro	No	Rapid			
A	MDPMTN4037	Rapid single unit charger, 230V UK	50 x 100 x 110	0.4	NiCd/NiHM	1	No	230 V	UK	No	Rapid			
A	MDPMTN4038	Rapid single unit charger, 120V US (not CE compliant)	50 x 100 x 110	0.4	NiCd/NiMH	1	No	120 V	US	No	Rapid			

P020 and P030

A	MDPMTN4088	Rapid single unit charger, 230V Euro	55 x 100 x 110	0.35	NiCd/NiMH	1	No	230 V	Euro	No	Rapid			
A	MDPMTN4089	Rapid single unit charger, 230V UK	55 x 100 x 110	0.35	NiCd/NiMH	1	No	230 V	UK	No	Rapid			
A	MDPMTN4087	Rapid single unit charger, 120V US (not CE compliant)	55 x 100 x 110	0.35	NiCd/NiMH	1	No	120 V	US	No	Rapid			

GP900 and 1200

A	RPX4748	Rapid single unit charger, 230V Euro	100 x 110 x 100	0.4	NiCd/NiMH	1	No	230 V	Euro	No	Rapid			
A	RPX4749	Rapid single unit charger, 230V UK	100 x 110 x 100	0.4	NiCd/NiMH	1	No	230 V	UK	No	Rapid			
A	RPX4747	Rapid single unit charger, 120V US (not CE compliant)	100 x 110 x 100	0.4	NiCd/NiMH	1	No	120 V	US	No	Rapid			
A	NTN1668	Rapid single unit charger, 230V Euro	65 x 110 x 100	0.4	Li-ION/NiCd/NiMH	1	No	230 V	Euro	No	Rapid			
A	NTN1669	Rapid single unit charger, 230V UK	65 x 110 x 100	0.4	Li-ION/NiCd/NiMH	1	No	230 V	UK	No	Rapid			
A, C	WPLN4112	Universal impres single unit charger, 230V Euro	80 x 100 x 200	0.6	Li-ION/NiCd/NiMH	1	Yes	230V	Euro	No	Impres		⑧	
A, C	WPLN4113	Universal impres single unit charger, 230V UK	80 x 100 x 200	0.6	Li-ION/NiCd/NiMH	1	Yes	230 V	UK	No	Impres		⑧	
A, C	WPLN4117	Universal impres single unit charger, 120V US (not CE compliant)	80 x 100 x 200	0.6	Li-ION/NiCd/NiMH	1	Yes	120 V	US	No	Impres		⑧	

Chargers

Visar

Category	Part No.	Description	Dimensions HxWxD (mm)	Weight (Kg)	Chemistry	No. of Pockets	Maintenance System	Operating Voltage AC	Line Cord	Display	Charger Type	End User Requirements			
A	NTN1403	Rapid dual unit charger, 230V Euro	65 x 100 x 110	0.4	NiCd/NiMH	2	No	230V	Euro	No	Rapid				
A	NTN1404	Rapid dual unit charger, 230V UK	65 x 100 x 110	0.4	NiCd/NiMH	2	No	230V	UK	No	Rapid				
A	NTN1402	Rapid dual unit charger, 120V US (not CE compliant)	65 x 100 x 110	0.4	NiCd/NiMH	2	No	120V	US	No	Rapid				

GP300 and P110

Category	Part No.	Description	Dimensions HxWxD (mm)	Weight (Kg)	Chemistry	No. of Pockets	Maintenance System	Operating Voltage AC	Line Cord	Display	Charger Type	End User Requirements			
A	MDHTN9043	Rapid single unit charger, 230V Euro	100 x 110 x 100	0.4	NiCd/NiMH	1	No	230 V	Euro	No	Rapid				
A	MDHTN9044	Rapid single unit charger, 230V UK	100 x 110 x 100	0.4	NiCd/NiMH	1	No	230 V	UK	No	Rapid				
A	MDHTN9042	Rapid single unit charger, 120V US (not CE compliant)	100 x 110 x 100	0.4	NiCd/NiMH	1	No	120 V	US	No	Rapid				

Features and specifications are subject to change without notice