



## Factory Mutual Approval

### EX/GP Product Listing (For Use in Hazardous [Classified] Locations)

#### Manual Supplement For EX/GP Portable Radios



APPROVED

Intrinsically Safe FM Approval labels are attached to the radio to identify the unit as being FM Approved for specified hazardous atmospheres. This label specifies the hazardous Class/Division/Group along with the part number of the battery that must be used. Their Approval mark is shown above.

The hazardous location ratings are divided into Class, Division, and Group to indicate the existence of flammable gases or vapors, ignitable dust, fibers, or filings under normal or unlikely conditions of operation.

The EX/GP Portable Radio, when properly equipped with the battery options listed in the Batteries table (see page 3), is FM Approved by Factory Mutual (FM) as intrinsically safe for use in Classes I, II, and III, Division 1, Groups C, D, E, F, G. It is also approved for nonincendive use in Class I, Division 2, Groups A, B, C, D.

MOTOROLA and the Stylized M Logo are registered in the U.S. Patent & Trademark Office.  
All other product or service names are the property of their respective owners.



**Note:** The following radios and accessories are approved as intrinsically safe by Factory Mutual Approvals. Refer to the radio label for intrinsic safety ratings and required batteries. Only the accessories and antennas listed below may be used on approved radios:

### EX/GP Models<sup>1</sup>

<b>Model No.</b>	<b>Frequency</b>	<b>Tanapa No.</b>
H38KDC9AA2/S/SC	136-174 MHz	PMUD1892_
H38KDC9AA3AN FD	136-174 MHz	PMUD1673_
H38KDC9AN3AN	136-174 MHz	PMUD1742_
H38KDH9AA6AN	136-174 MHz	PMUD1674_
H38KDH9AN6AN	136-174 MHz	PMUD1743_
H38KDH9DU6AN FD	136-174 MHz	PMUD1770_
H38PDC9AA3AN	330-400 MHz	PMUD1675_
H38PDH9AA6AN	330-400 MHz	PMUD1676_
AZH38PDC9CK3	330-400 MHz	PMUD2081_
AZH38PDH9CK6	330-400 MHz	PMUD2082_
H38RDC9AA2/S/SC	403-470MHz	PMUE2048_
H38RDC9AA3AN FD	403-470 MHz	PMUE1699_
H38RDC9AN3AN	403-470 MHz	PMUE1817_
H38RDC9CK3AE	403-470 MHz	PMUD1961_
H38RDH9AA6AN	403-470 MHz	PMUE1700_
H38RDH9AN6AN	403-470 MHz	PMUE1818_
H38RDH9CK6AE	403-470 MHz	PMUD1962_
H38RDH9DU6AN FD	403-470 MHz	PMUE1876_
H38SDC9AA2/S/SC	450-527 MHz	PMUE2049_
H38SDC9AA3AN FD	450-527 MHz	PMUE1701_
H38SDC9AN3AN	450-527 MHz	PMUE1819_
H38SDH9AA6AN	450-527 MHz	PMUE1702_
H38SDH9AN6AN	450-527 MHz	PMUE1820_
H38SDH9DU6AN FD	450-527 MHz	PMUE1877_

<sup>1</sup> Prefixes: AA, AZ, LA, MD

### Antennas

<b>Kit Number</b>	<b>Frequency</b>	<b>Description</b>
NAD6502A	150.8-162 MHz	VHF antenna
NAD6579A	146-160 MHz	VHF antenna
NAE6483AR	403-520 MHz	UHF antenna

### Antennas (Continued)

<b>Kit Number</b>	<b>Frequency</b>	<b>Description</b>
PMAD4009A	336-368 MHz	UHF antenna
PMAD4012A	136-155 MHz	VHF antenna
PMAD4013A	155-174 MHz	VHF antenna
PMAD4014A	136-155 MHz	VHF antenna
PMAD4015A	155-174 MHz	VHF antenna
PMAD4020A	370-400 MHz	UHF antenna
PMAD4023A	150-161 MHz	VHF antenna
PMAD4025A	150-161 MHz	VHF antenna
PMAD4041A	155-174 MHz	VHF antenna helical
PMAD4042A	136-155 MHz	VHF antenna helical
PMAD4044A	155-174 MHz	VHF antenna stubby
PMAD4045A	336-368 MHz	UHF antenna
PMAD4046A	136-155 MHz	VHF antenna
PMAD4049A	146-174 MHz	VHF antenna helical
PMAE4002A	403-433 MHz	UHF antenna
PMAE4003A	430-470 MHz	UHF antenna
PMAE4006A	470-510 MHz	UHF antenna
PMAE4007A	490-527 MHz	UHF antenna
PMAE4008A	470-530 MHz	UHF antenna
PMAE4015A	470-520 MHz	UHF antenna
PMAE4016A	403-520MHz	UHF antenna whip
PMAE4017A	438-470 MHz	UHF antenna stubby

### Batteries

<b>Kit Number</b>	<b>Description</b>
JMNN4025A	FM intrinsically safe, NiMH battery
AZQ393AA	ALT, battery NiMH, FM intrinsically safe
H236DN	ALT, battery NiMH, FM

### Accessories

<b>Kit Number</b>	<b>Description</b>
0180300E83	Body switch for ear microphone
0180358B38	Ring PTT
BDN6635B/C	VOX headset with boom microphone
BDN6636B/C	VOX headset with throat microphone

### Accessories (Continued)

<b>Kit Number</b>	<b>Description</b>
BDN6664A	Beige earpiece with standard earphone, single wire
BDN6665A	Beige earpiece with extra loud earphone, single wire
BDN6666A	Beige earpiece with volume control, single wire
BDN6667A	Two-wire earpiece with MIC/PTT combined, beige
BDN6668A	Three-wire earpiece with MIC/PTT separate, beige
BDN6669A	Beige earpiece, microphone and PPT combined with extra loud earpiece, two wire
BDN6670A	Beige earpiece, microphone and PPT separate with extra loud earpiece, three wire
BDN6719A	Flexible ear receiver
BDN6726A	Black earpiece with standard earphone, single wire
BDN6727A	Black earpiece with extra loud earphone, single wire
BDN6728A	Black earpiece with volume control, single wire
BDN6729A	Two-wire earpiece with MIC/PTT combined, black
BDN6730A	Three-wire earpiece with MIC/PTT separate, black
BDN6731A	Black earpiece, microphone and PPT combined with extra loud earpiece, two wire
BDN6732A	Black earpiece, microphone and PPT separate with extra loud earpiece, three wire
BDN6768A	Ear microphone, black
BDN6769A	Ear microphone, beige
BDN6770A	Ear microphone, gray, high noise level
BDN6780A	Earbud with PTT/MIC combined
BDN6781A	Earbud, receive only, black, single wire
JMMN4062A	Two-wire surveillance
JMMN4064A/B	Ear microphone interface module
JMMN4066A/B	Lightweight headset
JMMN4067A	Remote speaker microphone
JMMN4073A/B	Remote speaker microphone
NMN6245A	Lightweight headset
NMN6246A	Ultra-light headset
PMLN4605A	Acoustic tube
PMLN4608A	Two-wire surveillance kit with acoustic tube
PMLN4621A	Earpiece (2.5mm jack)
PMLN4455A/B	Audio accessory adapter
PMLN4519A/B	Earbud with combined MIC/PTT
PMLN4585A	Transducer