



**UL Approvals  
Product Listing  
(For Use in Hazardous [Classified] Locations)  
for ASTRO® APX 8000H/APX 8000HXE  
Digital Portable Radios  
Document Number: PMLN7893**



The APX 8000H / APX 8000HXE Radio Models for HAZ LOC are listed by UL to standards:

ANSI/TIA 4950-B

Classification Rating Class I, Division 1, Groups C, D; Class II, Division 1, Group E, F, G; Class III, Hazardous (Classified) Locations.

CAN/CSA C22.2 NO.157-92

Classification Rating Class I, Division 1, Groups D; Class II, Division 1, Group E, F, G; Class III, Hazardous (Classified) Locations.

UL 121201-2019, and CAN/CSA C22.2 No.213-19

Class I, Division 2, Groups A, B, C, D; T3C. Tamb = -20° C to +60° C.

Intrinsically Safe (Sécurité Intrinsèque)

when used with Motorola Solutions Battery from APX TIA Group 5.

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**PMLN7893C**

## Operational Cautions for Non-Incendive Equipment

Radio unit must be ordered with the non-incendive option and shipped from the Motorola Solutions manufacturing facility with the hazardous location certification label. The radio will not be upgraded to this capability or labeled once it has been shipped.

### Operational Cautions



#### Caution

- **Do not** substitute components. Substitution of component could void the non-incendive rating and result in unsafe condition of hazardous areas.
- **Do not** change batteries or accessories in hazardous areas. To reduce the risk of ignition of a flammable atmosphere, the battery pack must only be changed in non-flammable areas.
- Unauthorized modification, or incorrect repair or service to the non-incendive product could adversely affect the certification rating and result in unsafe condition in hazardous areas.
- **Do not** operate equipment in a hazardous atmosphere unless it is a type especially qualified (for example, UL Approved) for such use. An explosion or fire may result.
- **Do not** operate a UL Approved Product in a hazardous atmosphere if it has been physically damaged (for example, cracked housing). An explosion or fire may result.
- **Do not** replace or change accessories in a hazardous atmosphere. Contact sparking may occur while installing or removing accessories and cause an explosion or fire.
- **Do not** disassemble a UL Approved Product unit in anyway that exposes the internal electrical circuits of the unit.

## Operational Warnings



### WARNING

- **Do not** disassemble, heat above 100 °C (212 °F), crush or incinerate Li-Ion Battery APX TIA Group 5 to avoid risk of fire, explosion, and burns.
- Failure to use a Motorola Solutions non-incendive battery or accessory specifically certified for that radio unit will negate the certification rating and could result in unsafe condition in hazardous areas.
- **Do not** disassemble a non-incendive product in any way that exposes the internal circuits of the unit. This could result in unsafe condition in hazardous areas.
- Unauthorized modification, or incorrect repair or service to the non-incendive product could adversely affect the certification rating and result in unsafe condition in hazardous areas.
- Use of non-Motorola Solutions parts or substitution of parts will void the non-incendive approval rating of the Motorola Solutions unit and could result in unsafe condition in hazardous areas.

The following radio models, batteries, and audio accessories, can be used with the radio model series.

**APX 8000H/APX 8000HXE Radio Model**

<b><i>Frequency, Range and Configuration</i></b>	<b><i>Model</i></b>
APX8000H UHF1/UHF2/VHF/700–800 MHz Model 3.5 Full Keypad Black	H91TGD9PW9AN
APX 8000H UHF1/UHF2/VHF/700–800 MHz Model 3.5 Full Keypad Coyote Brown	
APX 8000HXE UHF1/UHF2/VHF/700–800 MHz Model 3.5 Full Keypad Green Impact	
APX 8000HXE UHF1/UHF2/VHF/700–800 MHz Model 2.5 Limited Keypad Green Impact	H91TGD9PW8AN
APX 8000H UHF1/UHF2/VHF/700–800 MHz Model 2.5 Limited Keypad Coyote Brown	
APX8000H UHF1/UHF2/VHF/700–800 MHz Model 3.5 Limited Keypad Black	
APX 8000HXE UHF1/UHF2/VHF/700–800 MHz Model 1.5 No Keypad Green Impact	H91TGD9PW4AN

Regional prefix: AA (NAG), AZ (Asia), LA (Latin America), or MD (Europe).

For approved batteries, antennas, and accessories; please see Addendum PMLN7894.