



**MOTOROLA SOLUTIONS**

**UL Approvals  
Product Listing  
(For Use in Hazardous [Classified] Locations)  
for ASTRO® APX 8000/APX 8000XE  
Digital Portable Radios  
Document Number: PMLN7375**



The APX 8000/APX 8000XE Land Mobile Radio Models for use in HAZ. LOC. are listed by UL to non-incendive standards:

UL 121201-2019 and CAN/CSA C22.2 No. 213-19  
as safe for use in Class I, Division 2, Groups A,B,C,D;  
Class II, Division 2, Groups F,G;  
Class III, Division 2 Hazardous (Classified) Locations.  
Non-Incendive (Non Incendiaire)

when used with Motorola Solutions Battery: PMNN4504A (Rated 7.4 V, 3400 mAh) or PMNN4505A (Rated 7.4 V, 4850 mAh)

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**PMLN7375C**

## Operational Cautions for Non-Incendive Equipment

Radio unit must be ordered with the non-incendive option and shipped from the Motorola manufacturing facility with the hazardous location certification label. 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, 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 PMNN4504A and PMNN4505A to avoid risk of fire, explosion and burns.
- Failure to use a Motorola 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 parts or substitution of parts will void the non-incendive approval rating of the Motorola 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 8000/APX 8000XE**

<i>Description</i>	<i>Model</i>
ALL BAND PORTABLE MODEL 1.5	H91TGD9PW5AN
ALL BAND PORTABLE MODEL 2.5	H91TGD9PW6AN
ALL BAND PORTABLE MODEL 3.5	H91TGD9PW7AN

For approved batteries, antennas, and accessories; please see Addendum PMLN7769.