

Mag One X8d frequently asked questions

China

General

What is the Mag One X8d?

The X8d is a Mag One brand portable radio replacing the Mag One A8 DMR portable radio.

What frequencies are supported in the Mag One X8d?

The X8d is available in the UHF (400-470 MHz) frequency band.

What modes of operation are supported in the X8d?

The X8d supports analog and digital (DMR) modes of operation.

What is the warranty for the Mag One X8d?

The X8d includes a one (1) year limited warranty.

Key features

Are there new features in the Mag One X8d?

Yes there are new improved features in the X8d. The X8d provides USB-C Charging, IP55 Rating, clear and loud audio (3W audio output). Please refer to the X8d specifications sheet for full details.

Does the Mag One X8d look different from the Mag One A8 DMR?

Yes. The X8d has a contemporary appearance with a refreshed logo to represent its new and upgraded design



How many channels does the Mag One X8d support?

The X8d supports a total of 64 channels which can be distributed over 4 zones (max 16 channels per zone).

Backward Compatibility

Will the X8d work with existing fleets Mag One portables?

Yes, the X8d works with existing fleets of Mag One portables that operates in analog and DMR digital mode.

Can the A8 DMR batteries be used in the X8d?

No. The X8d uses new improved batteries.

Are the A8 DMR audio accessories compatible with the X8d?

Yes. The Mag One audio accessories offered for the A8 DMR are compatible with the X8d.

Does the X8d work with MOTOTRBO™?

The X8d comes with many standard analog and DMR II features. When configured correctly, it can work with MOTOTRBO radios.

Recommendations for new battery use, storage, and care

Charging and battery life

What kind of battery does the X8d use?

2200mAh Li Ion battery.

Will a HI CAP battery be offered in the future?

Currently, there are no plans to offer high capacity battery. The standard 2200mAh Li-Ion battery offered with the Mag One X8d offers 23 hours¹ of talk time, which should cover an entire shift and more. Additionally, the USB-C port allows on-the-go charging for added convenience.

Will the X8d overcharge if it is left in the charger?

No, the radio will not overcharge if left in the charger. The radio, battery and charger system has charging algorithms and protective circuitries, automatically cutting off the charge when necessary.

Will there be a multi-unit charger for the radio?

Currently, there are no plans to offer a multi-unit charger.

Battery storage and care

How should the X8d battery be stored?

Batteries should be stored in a well ventilated, temperature (68°F/20°C to 86°F/30°C) and humidity (30%-60%) controlled environment. Do not store batteries with flammable materials, disassemble, crush, puncture, shred, discard your battery in a fire, or dry a wet battery with an appliance or heat source.

Does the X8d battery ship fully charged?

In compliance with the International Air transport association (IATA) policy, Motorola Solutions Inc. (MSI) ships all Li-Ion batteries at a state of charge less than 30% of their rated capacity.



¹ Based on typical 5/5/90 profile at maximum transmitter power in digital mode

Can the X8d battery be charged in a non-Motorola charger?

Always charge your battery using the approved Motorola charger. Charging in non-Motorola chargers may lead to reduced performance and battery damage.

Should I charge my battery while stored?

- New batteries that will be stored should be charged to greater than 50% (but less than 100%) state of charge within 1 month of receipt. Every 12 months, batteries must be recharged to greater than 50% state of charge.
- Batteries removed from service for storage should be charged to greater than 50% state of charge. Every 12 months, batteries must be recharged to greater than 50% state of charge.
- Do not store batteries attached to radios or host devices. This will minimize current drain on the battery.

Can I use Mag One A8 audio accessories with the X8d?

Yes. The Mag One audio accessories offered for A8 are compatible with X8d.

- Mag One Earbud With In-Line Microphone and PTT, VOX (PMLN6534)
- Mag One Remote Speaker Microphone (PMLN4092)
- Mag One Ear Receiver With In-Line Microphone and PTT, VOX (PMLN6531)
- Breeze Headset With Boom Mic and PTT (PMLN6542)

Additionally, the X8d is compatible with 2 more audio accessories:

- Mag One Swivel Earpiece With Microphone and PTT (PMLN6532)
- 2-Wire Surveillance Kit With Microphone and PTT (PMLN6536)

Audio and accessories

Is there any latex in the radio or new accessories?

No

What type of antenna connector does the X8d use?

The X8d uses SMA (SubMiniature version A) RF connector.

Learn more about Mag One X8d portable two-way radio at motorolasolutions.com/x8d

