

EVX-S30

Frequently asked questions

General

What is the EVX-S30?

The EVX-S30 is a compact, pocket-sized two-way radio built for clear, reliable team communication. Its durable build withstands drops, spills, and dusty environments while connecting seamlessly with both analog and digital radio fleets.

With clear audio, shift-long battery life, and simple USB-C charging, it gives your team a lightweight, hassle-free tool to stay connected all day.

What frequencies are supported in the EVX-S30?

The EVX-S30 is available in the UHF (403 - 480 MHz) frequency band.

What modes of operation are supported in the EVX-S30?

The EVX-S30 supports both analog and digital (DMR) modes of operation.

What is the warranty for the EVX-S30?

The EVX-S30 includes a three (3) year limited warranty.

How is the EVX-S30 different from the EVX-S24?

The EVX-S30 offers several upgrades over the EVX-S24 while maintaining the same lightweight, compact design. Key improvements include a switch to universal USB-C charging (replacing the older Micro-USB), louder and clearer audio (up to 2W), and improved ergonomics on the buttons and knobs.

While the EVX-S30 does not support FleetSync like the older model, it remains fully compatible with the EVX-S24 battery, antennas, carriers, single-unit chargers, multi-unit chargers, and audio accessories.



Key features

What environment is the EVX-S30 radio best suited for?

The EVX-S30 is best for fast-paced work environments that need a compact, lightweight, and rugged communication tool. It excels in both discrete, customer-facing settings and tough, noisy, or wet operational environments.

What are the key safety features of the EVX-S30?

The EVX-S30 keeps your team connected in critical moments with Lone Worker and Emergency Alerts for staff operating independently, backed by an IP67-rated dustproof and waterproof design that maintains reliable communication in unpredictable work environments.

How many channels does the EVX-S30 support?

The EVX-S30 supports a total of 256 channels which can be distributed over 16 groups.

Fleet & Radio Compatibility

Does the EVX-S30 work with EVX-S24 radios?

Yes! The EVX-S30 works with existing fleets of EVX-S24 portables that operate in both analog and digital mode.

Does the EVX-S30 work with other portable radios?

Yes! Thanks to its dual capabilities, the EVX-S30 can communicate with both analog and digital DMR radios.

Battery, Charging & Storage

What kind of battery does the EVX-S30 use?

The EVX-S30 uses a standard 2300 mAh Li-Ion battery (PMNN4468B).

Does the EVX-S30 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.

Will the EVX-S30 overcharge if left on the charger?

No. The radio, battery and charger system feature built-in charging algorithms and protective circuitry that automatically shut off charging once complete to prevent overcharging.

Can the EVX-S24 battery be used in the EVX-S30?

Yes! Both are 2300 mAh Li-Ion batteries (PMNN4468B).

Can the EVX-S30 and EVX-S24 use the same single-unit chargers?

Yes! The standard (AAM19X501 CD-65) and enhanced (AAM20X501 CD-66) single-unit chargers work with both the EVX-S30 and EVX-S24.

Is there a multi-unit charger available for the EVX-S30?

Yes! The XUAAM36X50_ is a 6-pocket multi-unit charger compatible with the EVX-S30 and EVX-S24.

Can the EVX-S30 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.

How should the EVX-S30 battery be stored?

Batteries should be stored in a well-ventilated, temperature-controlled (68°F–86°F / 20°C–30°C) and humidity-controlled (30%–60%) environment. Never store batteries with flammable materials, disassemble, crush, puncture, shred, incinerate, or dry a wet battery with an appliance or external heat source.



Should I charge my battery while stored?

- **New batteries:** 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.
- **In-Service Batteries:** Batteries removed from service for storage should be charged to greater than 50% state of charge.
- **Maintenance:** Every 12 months, batteries must be recharged to greater than 50% state of charge.
- **Best Practice:** Do not store batteries attached to radios or host devices. This will minimize current drain on the battery.

Accessories

Is there any latex in the radio or new accessories?

No.

Can I use the same direct charging cables for the EVX-S30 as I did for the EVX-S24?

No. The EVX-S30 uses a universal USB-C charging port, whereas the EVX-S24 uses a Micro-USB cable. The single-unit chargers and multi-unit chargers remain compatible with both models.

Can I use the EVX-S24 audio accessories, antennas, and carriers with the EVX-S30?

Yes! The audio, antenna, and carrier accessories for the EVX-S24 are fully compatible with the EVX-S30.

Audio:

- G-Style Earpiece with In-Line Microphone and PTT (AAM21X501)
- Compact Speaker Microphone Kit (AAM24X501)
- Submersible Speaker Microphone (AAE46X509)

Antennas:

- UHF Whip Antenna 400 - 435 MHz (AAE23X501)
- UHF Whip Antenna 440 - 475 MHz (AAE23X502)
- UHF Whip Antenna 450 - 485 MHz (AAE23X503)
- UHF Whip Antenna 420 - 450 MHz (AAE23X506)
- UHF Stubby Antenna 400 - 430 Mhz (AAM23X501)
- UHF Stubby Antenna 440 - 470 MHz (AAM23X502)
- UHF Stubby Antenna 450 - 480 MHz (AAM23X503)
- UHF Stubby Antenna 420-450 MHz (AAM23X504)
- UHF Super Stubby Antenna 400 - 420 MHz (AAM28X501)
- UHF Super Stubby Antenna 420 - 440 MHz (AAM28X502)
- UHF Super Stubby Antenna 440 - 460 MHz (AAM28X503)
- UHF Super Stubby Antenna 460 - 480 MHz (AAM28X504)

Carriers:

- Belt Clip (PMLN8802A)
- Leather Carry Case (AAM22X502)
- Leather case with belt loop (AAM22X501)

Learn more about the EVX-S30 portable two-way radio at www.motorolasolutions.com/evx-s30

