



An evolutionary step in ASTRO wireless systems now delivers Project 25 compliant solutions for both conventional and trunking systems.

You know ASTRO.

For many public safety agencies and other organizations with mission critical needs, ASTRO delivers spectrum-efficient operation, embedded signaling, improved digital voice quality, and a smooth migration to digital by supporting analog to digital mixed-mode operation. The result: clarity, control, convenience, and above all — interoperability with existing Motorola systems.

Now get to know ASTRO[®] 25.

ASTRO 25 is an expansion of Motorola's ASTRO product line, putting effective Project 25¹ solutions — for both conventional and trunked systems — in your hands. ASTRO 25 encompasses all Motorola Project 25 compliant systems, building on the ASTRO foundation. For public safety agencies this can translate into a total Project 25 solution that means significant benefits:

- **Broad range of network solutions.** From single-site conventional to multi-zone trunking— from talkaround to voting, multi-cast, and simulcast.
- **Open architecture.** Project 25 compliance enables multi-vendor sourcing.

- **Integrated voice & data.** Meets your voice and data needs in a single, cost-effective system package.
- **Direct interoperability.** Reliable interagency communications with other Project 25 participants.
- **Subscriber ASTRO capability.** ASTRO 25 portables and mobiles support operation on existing Motorola systems.
- **Improved spectrum efficiency.** Narrowband operation assures the efficient use of radio channels without compromising capabilities.
- **Flexible software design.** FLASHport™ allows you to add future enhancements quickly and easily — or modify radios and system infrastructure by loading new software.
- **Smooth migration.** When you're ready, you can move from analog to digital systems — and to future Project 25 enhancements.

A compatible thought

We are excited about offering both ASTRO and ASTRO 25 systems. If Project 25 is where you're headed, ASTRO 25 is the express lane to get you there. ►

Behind ASTRO 25 interoperability . . .

To appreciate all that ASTRO 25 means, it's helpful to check out the differences between ASTRO and ASTRO 25 systems:

ASTRO and ASTRO 25 Comparison

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SYSTEM FAMILY	ASTRO	ASTRO 25	
System Type	TRUNKING	CONVENTIONAL	TRUNKING
Project 25 Compliance	CAI Encryption	CAI Data Encryption OTAR	CAI Control channel Data ² Encryption OTAR ²
Analog Support	Mixed mode: analog and digital	Mixed mode: analog and digital	Analog conventional mutual aid
Control Channel	Motorola Protocol	NA	Project 25 Protocol Motorola Protocol (portables and mobiles)
Integrated Voice & Data	NO	YES	YES ²
Frequency Bands	UHF VHF 800 MHz 900 MHz (analog only)	UHF VHF 800 MHz	UHF ² VHF ² 800 MHz

ASTRO 25 gives you a timeless framework designed to maximize technological longevity. This simplifies decision-making and helps protect your investment. Just as important, ASTRO 25 is a proven two-way radio technology that buys you peace of mind.

¹Project 25 is the creation of the Association of Public Safety Communications Officials, International (APCO) in cooperation with the National Association of State Telecommunications Directors (NASTD) and the agencies of the U.S. Federal government. Project 25 brings together representatives of federal, state and local government agencies. These agencies and other user organizations evaluate basic technologies in advanced land mobile radio to find solutions that best serve the needs of the public safety marketplace.

²Not in initial release.

ASTRO® 25

Project 25 compliant solutions from Motorola. Today.



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