

Brochure

Avtec Scout + GRV 8000

Enhanced clarity. Console priority.

ASTRO conventional direct connect
for Avtec Scout

Avtec Scout + the GRV 8000 Comparator

When it comes to your mission-critical ASTRO P25® conventional radio system, many variables beyond your agency's control may impact your dispatchers' ability to consistently receive clear, complete voice communications from incident responders.



Avtec Scout Radio & Voice Dispatch



GRV 8000

Stormy weather, rugged or sweeping terrain, weak in-building coverage, and even interference from other nearby electronics can lead to missed – or misunderstood – information. When paired with Avtec Scout voice and radio dispatch consoles, however, the GRV 8000 Comparator lets you leave audio quality concerns behind.





Why Avtec Scout?

When your dispatchers are called into action, you want the best tools at their fingertips. Avtec Scout consoles can handle a broad range of business and mission-critical communications needs—bringing together your radio, telephony, and broadband/LTE technologies into a best-in-class communications solution.

Mission-Critical Reliability

Whether your dispatchers are dealing with a life-saving emergency or coordinating business critical resources for your enterprise, you can count on Avtec Scout.

- Built-in redundancies for high system availability and stability.
- Exceptional audio quality ensures your communications are heard clearly.
- 24/7/365 US-based support with ScoutCare™.

Unmatched User Experience

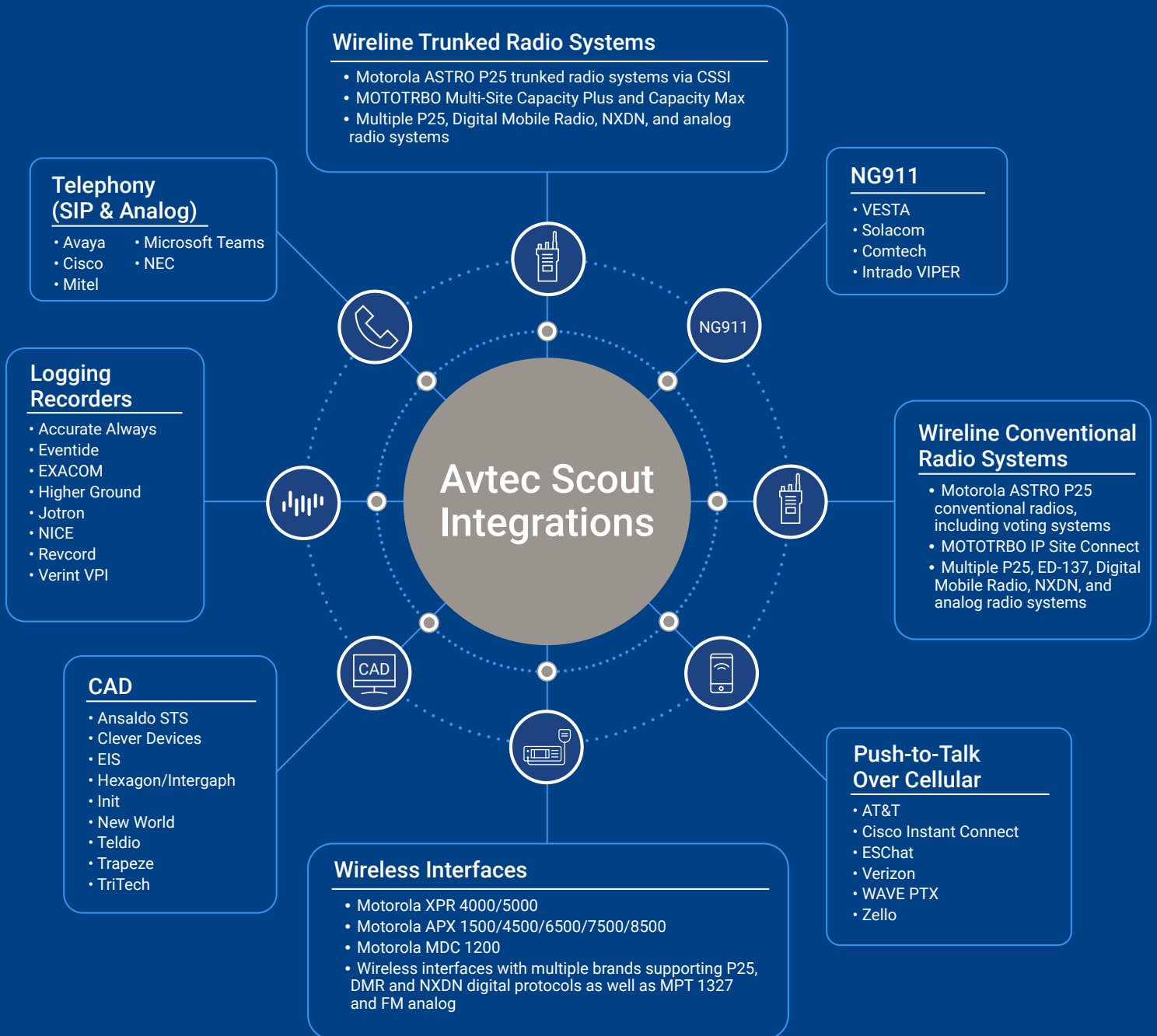
Your dispatch technology should bend and flex to meet your changing requirements. Avtec Scout's flexible graphical user interface enables you to configure your console to your unique business needs.

- Quick and intuitive connectivity to resources.
- Configure screens for role-specific preferences, or mirror legacy systems to avoid retraining.
- Connect remote systems and dispatch in fixed and mobile environments.



Integration Flexibility

You need the freedom to select the right communication tools for the job based on what is most efficient and effective for your team. Avtec Scout radio dispatch systems are built on open standards and integrate seamlessly with the leading radio, telephony, push-to-talk over cellular (PoC), and broadband technologies.



A Commitment to Cybersecurity

Today's hackers target third-party applications as a pathway to gain access to your primary control systems. Avtec Scout radio dispatch consoles are rigorously tested for vulnerabilities prior to each software release.

- NIST 800-53 and NERC CIP compliant.
- ISO 27001 and SOC Type 2 security certifications.
- Yearly third party security audits, internal QA testing and code signing.

Better together

By pairing your ASTRO conventional radio system with Avtec Scout dispatch consoles and the GRV 8000, you benefit from a robust, scalable, full-featured solution that fits your needs and your budget today, with streamlined capacity and capability extensions for what you'll need tomorrow.

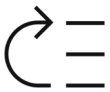
The GRV 8000 Comparator + Avtec Scout delivers consistently reliable, high-quality voice in your telecommunicators' ears – one less stressor in their high-stress roles.

Key Benefits



Improved audio quality

The GRV 8000 Comparator optimizes voice transmissions, allowing your team to focus on the mission at hand rather than worrying about audio dropouts, static and other distortions, reducing delays and improving outcomes.



Console priority

When every second matters, dispatchers need precedence over others communicating on the same channels. The GRV 8000 prioritizes telecommunicators, allowing them to instantly communicate critical updates without interruption.



Enhanced coverage

Even the best transmitters are wasted if your receiving coverage limits your team's total communications range. By selecting the strongest signal from multiple sources, the GRV 8000 helps you extend your receiving coverage in both size and quality.



How it Works

The GRV 8000 Comparator continuously compares conventional ASTRO audio signals received from different transmitter and receiver sites on a frame-by-frame basis. The GRV 8000 identifies the highest quality signal – essentially voting – and forwards the voice stream directly to the dispatcher’s console or to the repeater for rebroadcast.

The GRV 8000:

- Utilizes voting and simulcast separately or together to minimize gaps in deficient or non-existent coverage zones.
- Provides a direct connection to ASTRO conventional radio systems.
- Delivers on security
- Offers a cost-efficient ASTRO conventional radio dispatch solution with fewer points of failure.

Use Cases

- Smaller and/or rural PSAPs with a standalone conventional ASTRO radio system.
- Agencies seeking to replace their aging analog Motorola MTR 2000s.
- Agencies with satellite GTR 8000 receivers and MCC 5500 or MIP 5000 consoles that won’t connect to their existing GRV 8000s, failing to deliver the console priority needed in a mission-critical environment.
- Organizations with budgets that won’t stretch for a migration to a Motorola K-core, but still must deliver more quality and functionality for telecommunicators and field teams.
- Multi-vendor command centers looking to integrate MOTOTRBO with disparate voice solutions, from telephony and broadband to LMR and push-to-talk over cellular.

ASTRO digital conventional supported features

- P25 CAI Digital Voice with Simulcast System
- Console Priority over Subscribers
- Emergency Calls / Alarms
- Redundancy Main / Alternate (Geo Redundant with Manual and Automatic Failover)
- Send and Receive Tones – Paging, Alerts, Channel Marker, DTMF, Test
- Continuous Voting – Handled by GRV
- Voted Subsite ID displayed on configurable endpoint linepads
- PTT-ID / ANI Alias
- Late Entry

ASTRO analog conventional supported features via Outpost / Outpost Plus

- Analog audio via 4-wire and PTT
- Control via Tone Remote Control
- MDC-1200 Signaling (ANI + Emergency Calls)

GRV 8000 Comparator / (T8341A)

GENERAL SPECIFICATIONS	
	CONVENTIONAL SYSTEMS
Channel capacity	1 or 2
Size (HxWxD)	5.25 x 19 x 18 in (133 x 483 x 457 mm)
Weight	36 lb (16 kg)
Temperature range	-22 to 140 °F (-30 to 60 °C)
Rack option	19 in standard rack mountable
Time stability	External reference
Power requirements	AC: 90-264 VAC 47-63Hz DC: 43.2-60 VDC
Power consumption	AC: 1 module 80 W AC: 2 modules 105 W DC: 1 module 50 W DC: 2 module 75 W

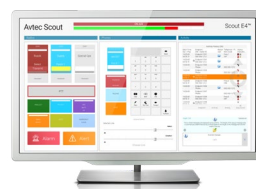




One platform. Unlimited possibilities.

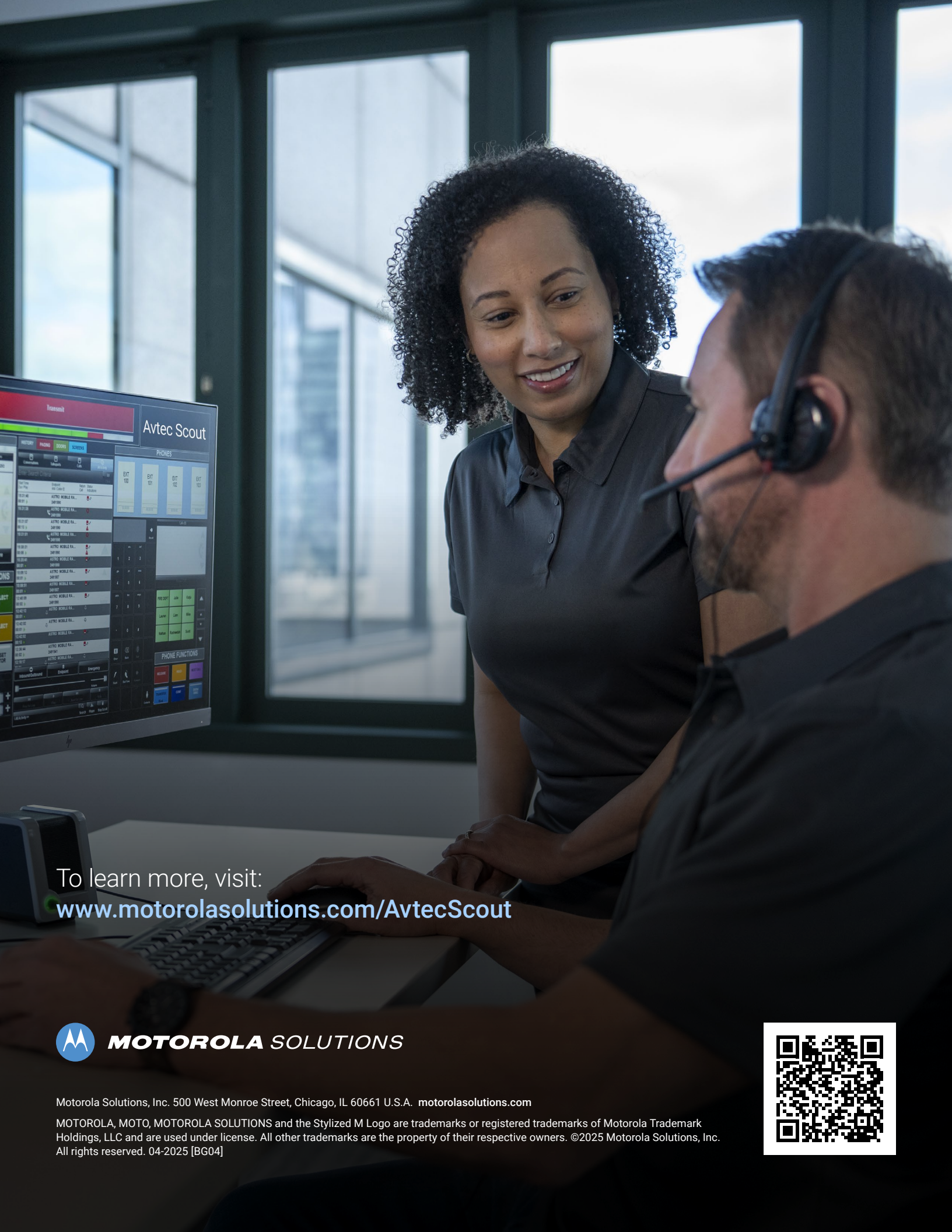
The Avtec Scout family of radio dispatch solutions integrates all your communication center needs, whether simple, highly complex or somewhere in between. Build for now, but be prepared for later – your investment is always safe. Avtec radio dispatch systems can grow in both capacity and capabilities as your needs dictate.

Meet the Avtec Scout Family



FEATURES	SCOUT EX	SCOUT E8	SCOUT E4	SCOUT E1
Channels	2000	8	4	4
Audio Streams (Receive)	50	8	4	4
Audio Streams (Transmit)	20	8	4	1





To learn more, visit:
www.motorolasolutions.com/AvtecScout



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