Meet your conventional system needs today while setting the foundation for tomorrow.

**IT’S TIME TO EMPOWER YOUR NETWORK, NOT REPLACE IT**

Agencies of all sizes are feeling the heat. Their current radio systems simply can’t meet today’s expectations. Radio users are requesting capabilities like GPS location, text messaging and database queries. Federal grant money is only available for Project 25 (P25) capable equipment. Everyone is talking about narrowbanding. For too long, agencies thought they’d have to entirely replace their networks. Motorola offers an alternative. Now you can empower your conventional analog and P25 digital conventional network instead of replacing it.

**P25 CONVENTIONAL SOLUTIONS THAT SUPPORT:**
- Analog, mixed mode, or digital channels
- Repeater, simulcast, multicast or voting topologies
- Reuse of fielded RF equipment
- Bands: 800 MHz, VHF, UHF

**PHASED SYSTEM REFRESH**

Upgrade your existing system to an IP based solution as budgets allow:
- Upgrade existing consoles to an MCC 7500 or MCC 7100 IP Dispatch Console
- Reuse existing analog or circuit based RF equipment
- Replace or expand your RF channels as needed with an analog or digital solution
NEW ANALOG CONVENTIONAL PLATFORM

K CORE CAPACITY
- 1 - 25 Site System
- 50 channels
- Up to 20 IP Dispatch Console positions

OPTIONAL FEATURES
- ASTRO® 25 Integrated Data and Data Applications Portfolio
  - Over the Air Rekeying (OTAR)
  - Over the Air Programming (OTAP)
- Advanced Text Messaging Solution
- Outdoor Location
- MACH Alert Fire Station Automation and Alerting
- High Availability through redundant configurations
- Encryption
- NICE® Voice Logging Solution
- MOSCAD

LAY A STRONG FOUNDATION FOR THE FUTURE OF YOUR COMMUNICATIONS
These flexible systems give you the option to add more sites, more equipment, more types of channels and more features as your needs evolve. You will be able to link to other networks for mutual aid and join regional or statewide networks. When you’re working with an ASTRO 25 platform, you have a system you can’t outgrow.

MCC 7100 IP DISPATCH CONSOLE
- The newest IP Dispatch Console from Motorola
- Installs on a PC, laptop or Windows® 7 tablet
- Operates on wired or wireless networks
  - Inside and outside the ASTRO 25 radio network
  - Delivers Project 25 (P25) encrypted voice communications
  - Manages trunked and conventional radios
- Uses the familiar and proven MCC 7500 IP Console GUI for reduced training needs
- Quickly expand mobile work force communications for:
  - Special events
  - Backup dispatch centers
  - Emergency Operation Centers
  - On scene incident command
  - Remote senior staff and other approved users

MCC 7500 IP DISPATCH CONSOLE
- Upgrade your existing console to an IP based solution
- Supports analog and digital conventional features
- Efficient, proven, easy to use GUI
- Secure end to end encryption
GTR 8000 BASE RADIO AND GPW 8000 RECEIVER FOR ANALOG CONVENTIONAL
An analog conventional base radio that is future proofed to handle the LMR technology changes of the next 10-20 years; software upgradable to:

- Analog 12.5kHz/25kHz
- P25 Phase I Trunking and Conventional (FDMA and LSM)
- High Performance Data (HPD)
- P25 Phase II Trunking TDMA
- Conventional P25 Compliant Linear Simulcast Modulation
- Linear Simulcast Modulation can be used for simulcast or non-simulcast base radios to provide enhanced coverage over standard P25 C4FM (Continuous 4 level FM)

MLC 8000 ANALOG CONVENTIONAL COMPARATOR FOR CIRCUIT WIRELINES AND IP CONNECTIVITY
A versatile, compact product platform that allows gradual migration from circuit to IP networks.

- Analog simulcast and non-simulcast voting systems
- Directly interfaces to existinig 4-wire base radio and receiver equipment at the remote RF sites
- Retire leased line circuits and realize the savings of IP connectivity
- Motorola offers several Point-to-Point (PTP) solutions that provide reliable IP connectivity from comparator to remote sites

ASTRO® 25 ADVANCED MESSAGING SOLUTION
Users can quickly send and receive messages and run database queries directly from their data-enabled Motorola two-way radios to make on-the-spot decisions and freeing air time for critical voice communications. With the Microsoft Windows® based Advanced Messaging Solution Smart Client, users can run queries from desktops and laptops and exchange messages with radio users and other SMTP email users.

- Send and receive text messages with other radio and SMTP email users
- Automatically receive dispatch information and BOLOs
- Remotely update status
- Run CJIS compliant queries
- Audible and visual alerts notify users when information arrives
- Content adapted for radio capability
- Up to 150 pre-definable messages for quick and easy responses
- Pre-defined address lists or user ID entry speeds message creation
For more information about ASTRO® 25 solutions and the scalable core configurations, please contact your Motorola representative or visit motorolasolutions.com/ASTRO25.