



# QuickLinx M

## Portable Incident Command System

### NCS-K250

The QuickLinx M Series is a transportable command center. The kit is self contained and easy to set up and comprises an NCS-C250 Mobile Multi-Switcher along with customer supplied mobile radios, radio interface cabling, power supply, microphone, speakers and cabling to connect to external AC or DC power sources.

The heart of the QuickLinx M Series is an NCS-C250 Mobile Multi-Switcher. The C250 connects four (4) radios to one (1) microphone and two (2) speakers and provides Selected and Unselected audio control. For more than 4 radios the NCS-C251 Expansion Unit is used to provide connectivity for up to eight (8) radios. The unit has a built in crossband repeater with COR or VOX functionality. Optional features incorporated in the unit include COR, Hook-Switch, Multi-Cast and Sidetone. Additionally the unit is set up for DTMF control. The C250 is mounted to a standard 19" rack panel.

A rack mounted AC/DC switching power supply is included. The customer can choose from a 23, 40, 60, 80, or 100 Amp supply.

The system can include any number of NCS-C410 Trunking Delay Module to interface with radios operating on a trunked system. A switch is provided on a rack panel so the user can easily change the audio delay for each NCS-C410.

A variety of rack cases are offered to fit the environment that the system will experience.

Customization is offered including walk up ports for portable radios and on board batteries.



Front - Typical



Rear - Typical

#### Features

- ✦ Transportable Incident Command Center
- ✦ Built in dispatch console with Select/Unselect audio control
- ✦ Built in crossband repeater for interoperable communications
- ✦ Simulcast capable
- ✦ Designs to support 2 to 8 radios
- ✦ Power Supplies from 23 to 100 Amps
- ✦ Optional NCS-C410 Trunking Delay Modules can easily be adjusted
- ✦ Variety of cases offered
- ✦ All external cables included
- ✦ Customization possible

# System Components

## **NCS-C250AM19 Mobile Multi-Switcher**

The heart of the M series is an NCS-C250 Mobile Multi-Switcher. This "Mini Dispatch Console" connects up to four radios to one microphone and two speakers. The console provides Selected and Unselected audio control and provides a crossbanding function with COR or VOX functionality. For a complete description of the C250 Mobile Multi-Switcher, see the NCS-C250 Mobile Multi-Switcher page.



## **NCS-C251M19 Expansion Unit (for 5 to 8 radio system configurations)**

When the system contains more than 4 radios, an NCS-C251 Expansion Unit is included and connected to the C250. The C251 connects up to four (4) additional radios and provides the same functionality as the C250.



## **Mobile Radios (Customer Supplied)**

Available configurations support 2 to 8 radios. All radios are supplied pre-programmed by the customer.

## **Radio Interface Cables**

Cables to connect the NCS-C250 and NCS-C251 with the radios are integrated in the system.

## **Radio Antennas and Cables**

Antennas and cables are customer supplied. Connections are provided on a panel accessible from the rear of the case. The connectors can be labeled or of different series (N, UHF, etc) in order to eliminate operator error. Some cases may have adequate space to store the cables.

## **DTMF Microphone**

A DTMF microphone (Model Number NCS-E214) is included.



## **Speakers**

Two speakers are included to provide Selected & Unselected Audio.

## **AC/DC Supply(s)**

The system contains a heavy duty switching power supply sized to the number and type of radios. The most common power supplies used are 40, 60 and 80 AMP units. Appropriate size supplies can be provided for nearly any combination of 2 to 8 radios.

## **Battery Backup**

An external battery can be connected to the rear panel for power back-up. A portion of the output current (up to 8 amps) is diverted to charge the batteries when in state of discharge using the built-in battery back-up module. The battery supplies the DC load on loss of utility power acting as an Uninterruptible Power Source (UPS). In case the output of the AC/DC power supply fails, the external battery will start feeding the load immediately thus ensuring un-interrupted DC power to the radios and other equipment.

## **Power Distribution Panel**

A high power terminal block is included for internal connection of the radios, the C250, C251 and C410(s). All radios and other equipment in the QuickLinx-M are protected with individual fuses accessible from the rear of the QuickLinx-M.

## **External AC Extension Cable**

The system contains a 50 foot AC extension cable in addition to the 6 foot AC cable that connects the internal AC/DC power supply to an external AC source.

## **External DC cables**

The system contains a cable to connect to an external DC source such as a car battery.

## **Transportable Rack Case**

The system is housed in a rack mount case selected by the customer. Some cases have shock mounts for rugged environments. Others are available with rollers and a retractable handle for easy transportation. Finally, some cases have additional space available to store external power and antenna cables. Please inquire about available case designs.

## **NCS-C410 Audio & PTT Delay Module(s) (Optional)**

The system may contain optional NCS-C410 Audio & PTT Delay Modules installed between the NCS-C250 or NCS-C251 and any trunked radio. The C410 provides a user selectable audio and PTT delay of 0, 50, 100, 200, 400, 800, 1600 or 3200 msec.

