



Features

- ⊗ Mini Dispatch Console with Select/Unselect Audio Control
- ⊗ Separate Repeat Function can link up to 4 radios
- ⊗ Works with Trunked or Conventional, Digital or Analog radio systems
- ⊗ COR or VOX operation configurable for each radio
- ⊗ Two universal Microphone ports
- ⊗ Output jack provided to route audio to external PA
- ⊗ Separate Mute buttons for Select/Unselect audio
- ⊗ Separate Volume Controls for Select/Unselect audio
- ⊗ Intuitive Control Panel

The NCS-C250E Mobile Multi-Switcher is an interoperable solution best suited for First Responders that utilize multiple radios such as police, fire and EMS personnel. However, many customers have purchased the unit for dispatch purposes. The unit connects four radios to one microphone and two speakers. Specific features such as crossband repeating of up to 4 radios (COR or VOX configurable), Hook-Switch (Off Hook Signal), Select/Unselect audio control and muting, and PA output make the unit more than a “microphone switch.”

The NCS-C250E can be configured in systems to provide sharing of radios between multiple units, thereby reducing the number of radios required and resulting in a reduction of overall system cost. Alternatively, the unit may be combined with an NCS-C251E Expansion Unit for control of up to eight radios. A variety of options are available to enhance the functionality of the NCS-C250E. The unit has been configured to accommodate unique requirements.



Typical Application

OPTIONS

Multi-Cast (Simulcast):

This option provides the ability to broadcast on multiple radios simultaneously. This feature may be enabled or disabled by the user.

Sidetone:

This option mixes transmit (microphone) audio at a suppressed level with the Selected radio's receive audio to provide aural feedback when using a headset. This feature can be enabled or disabled by the operator.

General Specifications

Dimensions: 1.9" H x 6.55" W x 7.22" D (4.6 cm x 16.3 cm x 18.0 cm)

Weight: 2.0 lbs (0.91 kg)

Temperature Range: 0° to +50°C

Power Requirements: + 12 to +15 VDC @ .25 A typical (2.0 A PA Mode)

Memory Protection: Radio Selection Switches preserved in non-volatile memory

Speaker Audio Output Power: 4 W

PA Audio Output Power: 16 W

Front Panel Connections

MIC Connector: RJ-45

Front Panel Controls

Power: On/Off Pushbutton switch with Red LED Indicator

Radio Select (1-4): Momentary Pushbutton Switch with Green LED Indicator for Busy and Red LED Indicator for Selected (SEL) Audio

PA / Repeater Select: Momentary Pushbutton Switch with Green LED Indicator for PA and Red LED Indicator for RPT

Selected Audio Mute: Momentary Pushbutton Switch with Yellow LED Indicator

Automatic Audio Mute: Momentary Pushbutton Switch with Yellow LED Indicator

Unselect Audio Mute: Momentary Pushbutton Switch with Yellow LED Indicator

Selected Audio Volume: Volume Control (controls PA volume when in PA mode)

Unselected Audio Volume: Volume Control

Rear Panel Connections

Radio Interface Connectors (1-4): RJ-45

Expansion Port: 13 pin Female DIN

Mic Connector: RJ-45

External Mute: RCA Phono Jack

Speakers: AMP/Tyco MATE-N-LOK 6pin receptacle connector

DC Power: 6 inch pigtail terminated in an Anderson Power Pole PP-15 connector connected to internal auto reset fuse

Accessory Kit (supplied with unit)

Mounting Bracket: NCS-MTG501

Mounting Bracket Hardware: Qty 2 Knobs with 10-32 Threaded Studs

Microphone Circuit Jumpers: Qty 10 shunts

Speaker Mating Connector: AMP/Tyco MATE-N-LOK 6pin plug connector

Speaker Mating Connector Pins: Qty 10 pins for 18-22 AWG wire; Qty 10 pins for 22-26 AWG wire

Power cable: 10 feet of 18 AWG wire terminated with mating power pole connector with clamp

Rubber Feet: Qty 4 for desktop use