

NCS-C250

Mobile Multi-Switcher

The NCS-C250 Mobile Multi-Switcher is packed with features for the mobile radio operator. Connect up to 4 radios and select a radio via the front panel pushbuttons or DTMF microphone (not included). Separate speaker outputs are provided for *Selected* and *Unselected* audio with individual volume controls. You need only one microphone and two speakers, not a microphone and speaker for each radio!



Multiple muting functions reduce confusion when all radios are active. Separate pushbuttons are provided for individual muting of *Selected* and *Unselected* audio. Automatic muting of receive audio when transmitting is user selectable.

A Cross-Band Repeater function is also included making it possible to cross-band repeat any combination of 4 radios. Use your handheld and repeat through your mobile radios when away from your vehicle.

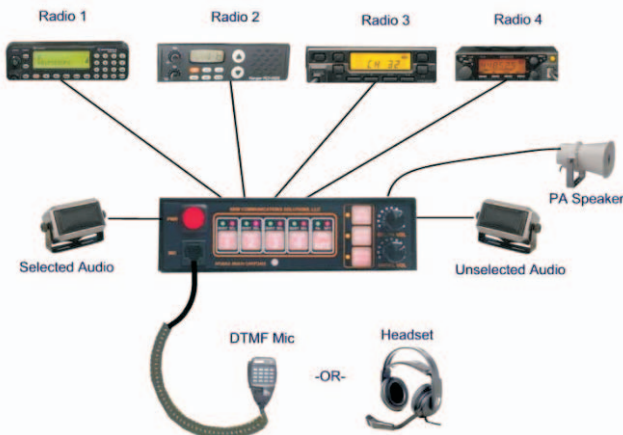
Radio, PA, Cross-band Repeater selection and all Mute functions can be remotely controlled using a DTMF microphone.

The radios or the microphone can be selectively output to the PA and broadcast with 16 Watts of Audio Power. Great for Emergency Operations!

Front panel pushbuttons are back-lighted for easy viewing in low light. LED indicator brightness is automatically adjusted based on ambient light conditions.

Great for the multi-radio mobile environment, the NCS-C250 was designed to reduce "mobile clutter" and enhance mobile operating efficiency.

Typical Application



Features

- Switches Mic Between 4 Radios and PA
- *Selected* and *Unselected* Audio Outputs with Separate Volume Controls and Mute Functions
- Built-in Cross-Band Repeater / Range Extender with Watch-Dog timer
- Automatic Muting of Vehicle's AM/FM Radio or Other External Radios
- Use any Dynamic or Electret Mic - Matches Mic Impedance, Level, and Pin-outs
- Select Radios, PA, Repeater, and Mute Functions from DTMF Mic
- Busy Light (LED) for each Radio and LEDs for Selected Radios and Mute Functions
- LED Brightness Adjusts Automatically and All Pushbuttons are Back-Lighted for Low Ambient Light Conditions
- Mounting Bracket Included

Applications

Mobile Command Posts
 EMS Vehicles
 Police & Fire Vehicles
 First Responders
 Air Force & Coast Guard Auxiliary
 ARES/RACES

NCS-C250 Mobile Multi-Switcher

Specifications*

General Specifications

Dimensions (approximate)	1.8" H x 6.4" W x 7.1" 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
Memory Protection	Radio Selection Switches preserved in non-volatile memory
Power Requirements	+ 12 to +15 VDC @ 2A typical
Speaker Audio Output Power	4 W
PA Audio Output Power	16 W
Automatic Mute	Mutes external equipment when Mic is keyed or when signal is detectable (user selectable)

Front Panel Connections

MIC Connector	RJ-45
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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
Unselected 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

Options

COR

Carrier detect for cross banding. All cross banded radios must have COR

Hook Switch

Sends "Off Hook" signal to selected radio(s).

Multi-Cast

Broadcast simultaneously on 2 to 4 radios.

Serial Units

Connect two or more units in series to control 8 or more radios.

Rear Panel Connections

Radio Interface Connectors (1-4)	RJ-45
Expansion	13 pin Female DIN
Microphone	RJ-45
External Mute	RCA Phono Jack
Speakers	AMP/Tyco MATE-N-LOK 6 pin receptacle connector
DC Power	6" fused pigtail terminated in an Anderson Power Pole PP-15 connector

Accessory Kit (supplied with unit)

Mounting Bracket	NCS-MTG501
Mounting Bracket Hardware	Qty 2 Knobs with 10-32 Threaded Studs
Speaker Mating Connector	AMP/Tyco MATE-N-LOK 6 pin plug connector
Speaker Mating Connector Pins	Qty 10 pins for 18-22 AWG wire, Qty 10 pins for 22-26 AWG wire
Spare Fuses	Qty Two 3 A
Power cable	10 feet of 18 AWG wire terminated with mating power pole connector
Rubber Feet	Qty 4 Self adhesive for desktop use
Expansion Connector	13 pin Male DIN

Accessories

Radio Interface Cables

NCS provides 6 foot cable assemblies for connecting each radio to the NCS-C250. Customer should provide radio model. Custom lengths also available.



Adaptor Cables

NCS provides custom adaptor cables for adapting microphones and PTT hand or foot switches to the NCS-C250. Contact NCS with your specific requirements.

Dynamic Microphone

Uni-directional noise canceling microphone with 3 foot coil cord. Weight: 8 oz.



DTMF Microphone

Backlit keypad with detachable 3 foot coil cord. Weight: 7.5 oz.



NCS-6220 Footswitch

Made from non-corrosive reinforced polymeric material. Dimensions: 4in x 3 7/16 in x 1 5/32 in.



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*Specifications are subject to change without notice