

NCS-C230 Multi-Rx

The NCS-C230 brings a new dimension to receive audio control and monitoring. The unit simplifies the process of monitoring multiple radios and improves operator efficiency by providing a single point of control for up to 6 radios. An operator can choose which radios to monitor, where the audio will appear in the sound field and can move the entire sound field to the left or right.

With the NCS-C230 only two speakers are required to monitor 6 radios, thereby reducing system cost and required space. Any combination of radio channels can be recorded to an external tape or digital recorder using either Manual or VOX activation. The unit allows the operator to monitor all audio with a single set of headphones, even while both speakers remain active.

Depending upon the individual operator's preference, the audio can be monitored in one of two different modes. The "Normal" monitoring mode allows the operator to route each radio's audio to the left, right or both speakers or to the earpieces. The unique "Spatial" mode spreads the audio from the 6 radios from left to right in the sound field. By pressing the "center" button any one or multiple radios are brought to the center of the sound field and amplified by 3 dB.

"Busy" indicators for each radio are provided making it easy to identify which radios are active. Radio Selection can be controlled via computer for advanced monitoring techniques.

This is an essential tool for operators responsible for multiple receiver monitoring and control.



Features

- Monitor Up to 6 Radios Simultaneously
- Two Audio Monitoring Modes
- Only 2 Speakers Required
- Use Speakers, Headphones or Both
- "Busy" Indicators for Each Radio
- Flexible Record Functions
- Single Pushbutton Mutes All Radios
- Mute-On-Transmit Function
- Memory Backup for Switch Positions
- Powerful Audio Amplifier for Each Channel
- RS-232 Interface for Computer Control or Linking to the NCS-C240 for Enhanced Radio Dispatch Control
- Ruggedized for the Mobile Environment

Applications

Mobile Command Posts

Signals Intelligence

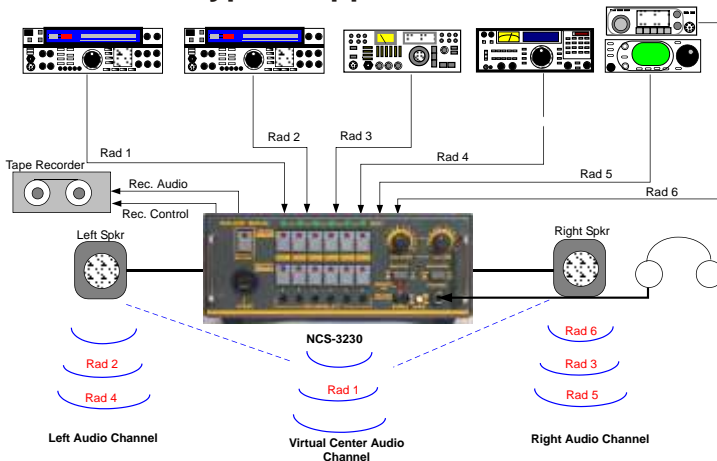
News Media

Communications Centers

Emergency Operations Centers

ARES/RACES

Typical Application



Specifications*

General Specifications

Dimensions	3.3" H x 8.3" W x 6.2" D 8.4 cm x 21 cm x 15.8 cm
Weight	2.5 lbs (1.1 kg)
Temperature Range	0° to +50°C
Memory Protection	Radio Selection Switches preserved in non-volatile memory
Power Requirements	+12 to +15 VDC 200 mA avg. / 1A peak current.

Front Panel Controls and Indicators

POWER Switch	Paddle switch with Yellow LED indicator
MUTE ALL Switch	Pushbutton switch with flashing LED indicator. Mutes all receive audio when activated.
Radio Selection Switches	Pushbutton switches with Red LED indicators. LEDs light when radio selected. <i>Normal Mode:</i> <ul style="list-style-type: none"> • Top Row – Left Speaker • Bottom Row – Right Speaker <i>Spatial Mode:</i> <ul style="list-style-type: none"> • Top Row – Positions Radio(s) in Audio Field • Bottom Row – Centers Radio in Audio Field
Busy Lights	Green LEDs. Approximately 150 mV of audio signal required to light LED
RECORD SELECT Switches	Push-on, Push-off pushbutton switch. When engaged (in) selects radio for output to recorder. Yellow LEDs light to indicate selection.
RECORD ENABLE	Push-on, Push-off pushbutton switch. Enables recording. When OFF (out), no recording can occur.
RECORD ON LED	Red LED. Lights when recorder is running.
MAN/VOX Switch	Push-on, Push-off pushbutton switch. Selects Manual (out) or VOX (in) operation in the record mode.
MODE Switch	Push-on, Push off pushbutton switch. Determines <i>Normal</i> (out) or <i>Spatial</i> (in) mode of operation.
SPEAKERS Switch	Push-on, push-off pushbutton switch. Turns speakers on (in) and speakers off (out)
PHONES Connector	¼ in. (6.4 mm) stereo phone jack.
BALANCE Control	Controls Left/Right speaker balance
VOLUME Control	Controls volume of both audio channels

* Specifications subject to change without Notice

Rear Panel Connections

AUDIO IN	Six RCA phono Jacks. Accepts audio inputs from radio speaker outputs. Approximately 150 mV required to trigger BUSY light.
PROCESSING	RCA phono jacks. Used for external filtering and other processing of the receive audio. <ul style="list-style-type: none"> • AMP IN – Two channel line level input to internal audio amplifier. • MIXER OUT – Two channel line level output from internal mixers.
SPEAKER OUT	RCA phono jacks. Operates with speaker impedances of 4 – 16 Ohms.
DATA	DB-9 female connector. Selective Mute Inputs and RS-232 Serial Data In/Out. Serial Data can be used to control Radio Select switches.
RECORDER	<ul style="list-style-type: none"> • AUDIO – 3.5 mm phone jack. Line level audio output to recorder. • CNTRL – 2.5 mm phone jack. Start/Stop recorder control. Dry relay contact, isolated from ground.
MUTE	RCA phono jack. Logic low (~0 VDC) mutes all receive audio except those programmed as Selective Mute.
PWR	Coaxial power connector, 2.1 mm pin, 5.5 mm shell, center pin positive

Accessories

NCS-1514 Wall Power Supply

Output: 12VDC @ 1.5A

NCS-MTG3200 Mounting Bracket

Mounts to surface above or below unit.

NCS-P2PH35-A (Kit of 6 cables)

Cable for connecting between receiver speaker output and NCS-C230

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