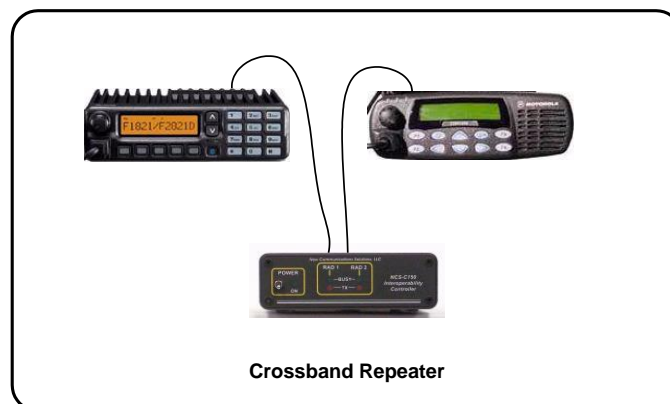


TWO RADIO INTEROP SWITCH**Features**

- ⊗ Repeater for two radios
- ⊗ Works with Trunked (with Optional NCS-C411 Audio Delay Module) or Conventional radio systems
- ⊗ Digital, Analog radio compatible
- ⊗ COR or VOX operation independently configurable for each radio
- ⊗ Field configurable for initial setup
- ⊗ Output provided to record all audio
- ⊗ Intuitive Control Panel

The NCS-C150 is a two (2) radio repeater for cross band or in-band operation. (In-band operation requires the same RF proximity and Antenna considerations as any other in-band repeater). This flexible unit works with conventional, trunked and P25 radio systems. Rapid deployment, simple configuration, easy operation and no training required make this an ideal solution for occasional deployment in mutual aid situations as well as day-to-day interoperability operations. The unit contains an automatic gain control circuit so setting of each radio's receive audio is not required. Either radio can use COR or VOX for the Busy signal. Interface cables are available for nearly any radio including PTT phones. The NCS-C150 has a small form factor and operates from 12-14VDC for use in any vehicle or fixed location.

**Typical Application**

TWO RADIO INTEROP SWITCH

General Specifications																	
Dimensions	1.2"H x 4.06"W x 4.72"D 3.1cm x 10.3cm x 12.0cm																
Weight	0.5 lb (0.91kg)																
Temp Range	-20°C to + 65°C																
Power Requirements	9 to 16 VDC @ 25mA max. Nominal 12VDC @ 18mA																
	9VDC Battery:																
	<table border="1"> <thead> <tr> <th>Type</th> <th>Total Capacity</th> <th>Estimated Max Runtime Standby</th> <th>Estimated Max Runtime 50% Duty Cycle</th> </tr> </thead> <tbody> <tr> <td>Carbon-Zinc</td> <td>400 mAh</td> <td>20 hours</td> <td>10 hours</td> </tr> <tr> <td>Alkaline</td> <td>565 mAh</td> <td>28 hours</td> <td>14 hours</td> </tr> <tr> <td>Lithium</td> <td>1200 mAh</td> <td>60 hours</td> <td>30 hours</td> </tr> </tbody> </table>	Type	Total Capacity	Estimated Max Runtime Standby	Estimated Max Runtime 50% Duty Cycle	Carbon-Zinc	400 mAh	20 hours	10 hours	Alkaline	565 mAh	28 hours	14 hours	Lithium	1200 mAh	60 hours	30 hours
	Type	Total Capacity	Estimated Max Runtime Standby	Estimated Max Runtime 50% Duty Cycle													
	Carbon-Zinc	400 mAh	20 hours	10 hours													
Alkaline	565 mAh	28 hours	14 hours														
Lithium	1200 mAh	60 hours	30 hours														
Front Panel																	
Power On/Off	Toggle Switch with Green LED Indicator																
Indicators	Green LED "Busy" Indicator and Red LED "Transmit" Indicator for each Radio																
Rear Panel																	
Radio IF Connectors RAD1, RAD2	RJ-45 Modular Jack																
AUX	RJ-45 Modular Jack																
DC Power	Four inch pigtail terminated in an Anderson PowerPole PP-15 connector.																
Signal Levels																	
COR from Radio	COR + → Active High COR - → Active Low Low = < 1.0VDC; High >2.0VDC																
PTT to Radio	Active Low, <.5 Ohm @ 1A, Max Rating 1.5A, 100V																
TX Disable RAD1, RAD2	Active Low: <1.0VDC, Max Rating 20VDC																
TX Audio	Adjustable, 0 → 2.5Vpp																
RX Audio	Speaker or Line Out from Radio, 1mVpp → 5Vpp																

Accessory Kit

Item #	Description	QTY
1	10' DC Power Cable	1
2	Power Cable Clamp	1
3	Extra Housing Screws	4
4	Mounting Feet	4
5	Mounting Bracket (x2) Kit	1