



KR NIDA CORPORATION

3827 FOOTHILL BOULEVARD
LA CRESCENTA, CA 91214-1619
(818) 957-1248 FAX (818) 957-0719
Web: [Http://www.krnida.com](http://www.krnida.com)
Email: info@krnida.com

RC-400 Repeater-Link Interoperability Controller



Specifications

General:

Application
Operation
Activation
Station ID
Interval
Indicators

In-band/Cross-band/Quad-band link/repeater (up to four radios).
Conventional (quad-band) or trunking (cross band only).
Remote enable via DTMF with local supervisory override.
Programmable sequence up to 10 characters at 20 wpm.
Programmable for 10 or 30 minutes

Audio: Programmable courtesy beep, low battery alert, repeater enable/disable and trunking call progress tones.

Visual: 8 high brightness LEDs for option, low batt, enable, CPU, Mobile 1-4 COR/Transmit/Enable.

Programming Trunking/Conventional operation, courtesy beep enable, station ID enable and interval, repeater enable/disable sequence (per mobile & all ON/OFF), repeater hang-time, COR polarity, De-emphasis/Flat receive audio processing.

Memory Storage Non-Volatile EEPROM with 100 year data retention

Primary Use: As an interoperability radio interface for a portable or mobile application to cross-patch up to four mobile or portable radios.

Interface:

Mobile #1 - #4

Connector	RJ45 8 pin modular. 6 ft cable with mating connector supplied
COR	Programmable active Hi/Low 0-12VDC
RX Audio	Hi-impedance AC coupled: programmable for Flat or -6dB/octave.
RX Sens.	30mV to 10Vp-p.
TX Audio	2.2k output impedance AC coupled, 0-3Vp-p.

Supervisor Switch

Mobile 1-4	Active Low to select mobile #1 through #4 to be enabled
Low Batt	Active Low to indicate a low input voltage/battery condition
Option In	Optional input for future use (do not connect)
+12VDC	+11VDC to +16VDC negative ground
Ground	Chassis or common.

Programming 2.5mm mono jack for use with model FY-1 programming cable.

DTMF decoder

Sensitivity	30mV to 10Vp-p @ 12dB SINAD or greater
Twist	10dB or less.
Digits Decode	16 Standard DTMF digits
Decode Rate	0.5 to 12 digits per second
Inter-digit	2 seconds
Timeout	

Power Requirements:

DC Supply	13.6VDC +/- 20% (10.9 to 16.3VDC) negative ground
Standby Current	approximately 80mA (all mobiles enabled).
Repeat Current	approximately 130mA (all mobiles enabled)

Physical:

Dimensions	5.25" wide, 6.0" length, 1.1" height
Weight	14 oz.
Case	One piece extruded aluminum.

All measurements made per EIA standards
Specifications subject to change without notice