



EasyTalk™ Personal Communicators

PRC-1X

- Simplex—all units share one channel
- 49 MHz transceiver
- SuperVox™ voice activated
- Single or double muff headset

The PRC-1X is a lightweight, rugged simplex bodypack communicator. One at a time can transmit, but any number on the same channel can be used together. Nady's SuperVox™ voice activation allows hands free use. Features Push-To-Talk Button on the bodypack, "Call" mode to page receiver, noise-cancelling mic, low battery LED, attached headset, and removable steel spring belt clip. Available with single or double muff headsets or standard headset.

PRC-3X

- Duplex operation
- 49 MHz transceiver
- Two, way, telephone-type conversation
- Single or double muff headset

The PRC-3X is a lightweight, ruggedly built full duplex personal communicator. Full duplex means that both sender and receiver can talk at the same time—quite similar to talking on a telephone. Features include "Call" mode to page receiver when headset is not being worn, Low Battery LED Indicator, adjustable attached headset and removable steel spring belt clip. Available with single or double muff headsets or standard headset.



SPECIFICATIONS

PRC-1X

GENERAL

Power Source	9V DC Alkaline (type MN1604x 1)
Frequency Range	49.830-49.890 MHz
Current Drain	Standby 15mA/Receive 65mA/Transmit 85mA
Service Area	Approx. 1/4 mile (400 meters)
Optimum Conditions	to 1/2 mile
Dimensions	4.61"(H) x 2.54"(W) x .99"(D)
Weight	9.4 oz (without belt clip or PTT unit. 8.92 oz (250 g)

RECEIVER

Receiving System	FM Double Superheterodyne
Intermediate Frequency	1st IF 10.7 mHz, 2nd IF 455 KHz
Sensitivity	(20 dB quieting): .5 μV min.
Squelch Open Sensitivity5 μV min.
Spurious and Image Rejection	20dB min.
Max. Modulation Bandwidth	7 KHz
Headphone Impedance	32 Ω

TRANSMITTER

Transmitting System	Voice Operation (VOX)/Optional PTT plug-in
Output Power	10,000 μV/m at 3 meters maximum allowed by F.C.C.
Max. Frequency Deviation	4.5 KHz
Spurious and Harmonic Emissions	20dB min.
Microphone	Electret Condenser Microphone, 600 Ω

Specifications subject to change without notice.

PRC-3X

GENERAL

Power Source	9V DC Alkaline (type MN1604 X 1)
Frequency Range	49.830-49.890 MHz
Current Drain	Receive only (standby) 25mA
Full Duplex	60mA max.
Service Area	1/4 mile (400 meters)
Optimum Conditions	to 1/2 mile
Dimensions	5.3" (H) x 2.5" (W) x 1.0" (D) (136 x 65 x 25mm)
Weight	9 oz (255 g)

RECEIVER

Receiving System	FM Double Superheterodyne
Sensitivity	(Simultaneous-full duplex with receive-only standby option) (20 db quieting): 1 μV (0dB)
Modulation Acceptance Bandwidth	5KHz
Squelch Open Sensitivity5 μV min.
Spurious and Image Rejection	20dB min.
Frequency Stability	(0°c to + 40°c): 5 PPM
Headphone Impedance	32 Ω

TRANSMITTER

Transmitting System	Simultaneous full duplex
Output Power	10,000 μV/m at 3 m — maximum allowed by F.C.C.
Max. Frequency Deviation	4.5 KHz
Spurious and Harmonic Emissions	20dB min. (F.C.C. Part 15)
FM Hum and Noise	40dB
Frequency Stability	(0°c to + 40°c): 5 PPM
Microphone	Electret Condenser Microphone, 600 Ω

