

### SERVICE FOR YOUR NADY COMMUNICATOR

(U.S.) Should your motorcycle communicator require service, please contact the Nady Service Department via telephone at (510) 652-2411 or e-mail to [service@nadywireless.com](mailto:service@nadywireless.com) for a Return Authorization (R/A) Number and a service quote (if out of warranty). Make sure the R/A Number is clearly marked on the outside of the package and enclose a cashier's check or money order (if not prepaid with a credit card). Ship the unit prepaid to: Nady Systems, Inc., Service Department, 6701 Shellmound Street, Emeryville, CA 94608. Include a brief description of the problems you are experiencing.

**The warranty card enclosed with this system contains additional valuable warranty and service information. Keep it in a safe place for future possible reference. Do not attempt to service this unit yourself as it will void the warranty.**

**(International)** For service, please contact the Nady distributor in your country through the dealer from whom you purchased this product.

**Contact your dealer or Nady Systems for more information on our complete line of advanced products for your motorcycle communication needs.**



## NADY PRC-7

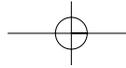
*Two-Way  
Personal Motorcycle  
Communicator*

OWNER'S MANUAL



**NADY SYSTEMS, INC.**  
6701 Shellmound Street, Emeryville, CA USA 94608  
Tel: 510/652-2411 Fax: 510/652-5075  
[www.nadywireless.com](http://www.nadywireless.com)

**MOTORCYCLE  
INTERCOM**



### ***PRC-7 Specifications***

**Battery:** 9V Alkaline

**Transmitting System:** Voice operation (VOX) or Push-to-talk (PTT)

**Output RF Power:** 10,000  $\mu$ V/m at 3m—max allowed by FCC

**Audio Output to Headphone:** 522 MW

**Frequency Range:** 49.830-49.890 MHz

**Service Area:** Up to 1/4 mile (400 meters)

**Dimensions:** 4.68" X 2.44" X 1.06" (119 X 62 X 27mm)

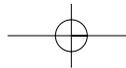
**Weight:** 8.92 oz (250 g)

**Microphone Impedance:** 600 ohms, noise cancelling electret condenser

**Headphone Impedance:** 32 ohms

**Housing Material:** Cases and headsets both high impact ABS plastic.

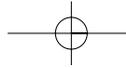
*Specifications subject to change without notice*



*The Nady PRC-7 is a compact two-way radio motorcycle communication system with a rider/passenger intercom. It can also be used for many other communication applications. The unit is ruggedly constructed of a durable high-impact ABS plastic that protects its advanced circuitry and allows many years of use with proper care. The two-way radio can be voice operated by driver or passenger (VOX) or operated manually by either a remote button provided for handlebar mounting or a large push-to-talk button (PTT) on the unit. The radio operates in simplex (one-way-at-a-time) mode for use by any number of riders on separate motorcycles. Passenger intercom is full duplex (simultaneous two-way). To assure maximum performance of your unit, read these instructions carefully and retain them for future reference.*

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## FOR LANE TO LANE COMMUNICATION

### OPERATING INSTRUCTIONS

Any number of units on the same channel can be operated according to the following procedures.

### BATTERY INSTALLATION

Open the battery compartment (1) by inserting a coin into the slot and twisting it. Insert an alkaline 9V battery into the compartment, noting correct polarity. Replace the battery whenever the low battery LED indicator (2) starts to flash. A single quick flash when the unit is first turned on is normal and indicates usable battery strength.

*Note: Remove the battery when unit is not in use for a long period of time.*

### POWER ON AND VOLUME CONTROLS

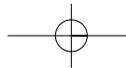
The power is turned on by the three-position OFF/TRN/INT switch (7). Use the touch buttons (8) to adjust the volume up or down.

### USING THE TRN-INT SWITCH

For use as communicator only (cycle-to-cycle) without intercom, set switch (7) to TRN. For use as a communicator plus intercom, this switch can be either in TRN or INT position. See TRN-INT instructions on page 6.

### VOX/PTT/CALL SWITCH

Select mode of operation with the three-way VOX-PTT-CALL switch (3), as follows:  
 VOX: Voice-activated mode allows hands-free simplex (one way at a time) operation. Flip the Mic Sensitivity Switch (4) to Lo or Hi to adjust the sensitivity of the automatic transmit/receive switchover. Set the switch on Hi position for normal use. It is likely that this setting will be satisfactory for most uses. When operating in excessive ambient noise, set the VOX switch on Lo position to prevent false switchover.  
 PTT: This mode allows manual push-to-talk with either the button on the top of the unit (5) or externally with the included PTT switch cable plugged into the Ext PTT jack (6).  
 CALL: When not using unit continuously, this mode can be used to signal an incoming call with an intermittent "beep-beep." The headset can be removed from the head in this mode as the signal is loud and can be easily heard from a distance. Do not press the PTT switch while the unit is in CALL mode, as undesirable transient noises will result.



### *Problem: Noise*

#### POSSIBLE CAUSE

#### REMEDY

LOCATION

These units operate on the 49 MHz communications band. Since they share this band with cordless phones, radio toys, wireless microphones, etc. they can receive interference from these items. 49 MHz band units are restricted as to power so as to eliminate interference except by units located within the PRC's range. If interference is received, try units in another location.

INTERFERENCE FROM ENGINE

Add Resistor Sparkplugs.

### *Problem: Distorted or Low Audio*

LOW BATTERY

Check batteries, change to make sure. Use fresh alkaline batteries.

INCORRECT USE

Mic should be one inch or less from lips for best audio.

GROUNDING ANTENNA

The operator of the unit should not touch the antenna or allow the antenna to touch the headband or other objects.

INCORRECT BATTERY

Alkaline batteries must be used. Rechargeable batteries will not give enough power to run the unit.

### *Problem: Intermittent or No Vox*

LOOSE BATTERY

Pull battery clips forward to make better contact.

MIC LEVEL LOW

Switch mic to HI position.

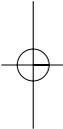
### *Problem: Wind Noise Problems or False Vox*

WIND NOISE

Both units' mics must be within one inch of the lips, with the open cup side facing the mouth.

If necessary, mic foam can actually touch lips during operation.

Set mic switch to LO position.



## PRC-7 TROUBLE SHOOTING CHECK LIST

Thank you for choosing a Nady communicator. If you are not familiar with communicators, please review this checklist before you use your new Nady, and you will be best prepared to enjoy it right from the start.

### ***Problem: No Audio***

#### **POSSIBLE CAUSE**

LOW OR NO BATTERY

BACKWARDS BATTERY

LOOSE BATTERY CLIPS

UNITS DON'T WORK TOGETHER

INCORRECT BATTERY

#### **REMEDY**

Check batteries, change to make sure. Use fresh alkaline batteries.

See diagram in battery compartment.

Make sure battery clips make good contact and bend clips forward if necessary.

Units must be on same channel.

Alkaline batteries must be used. Rechargeable batteries will not give enough power to run the unit.

### ***Problem: Not Transmitting***

UNIT ON INTERCOM

NOT VOXing

When the switch on the front of the PRC-7 is in INT position the transmitter has been turned off to conserve power. This conserves battery life when the motorcyclist is using the intercom with a passenger.

Set mic output to HI position and keep mic one inch or less from lips. Speak into mic in a level tone of voice without pauses. If necessary, the mic boom can be adjusted so the foam is actually touching the lips.

### ***Problem: Noise/Static***

LOW BATTERY

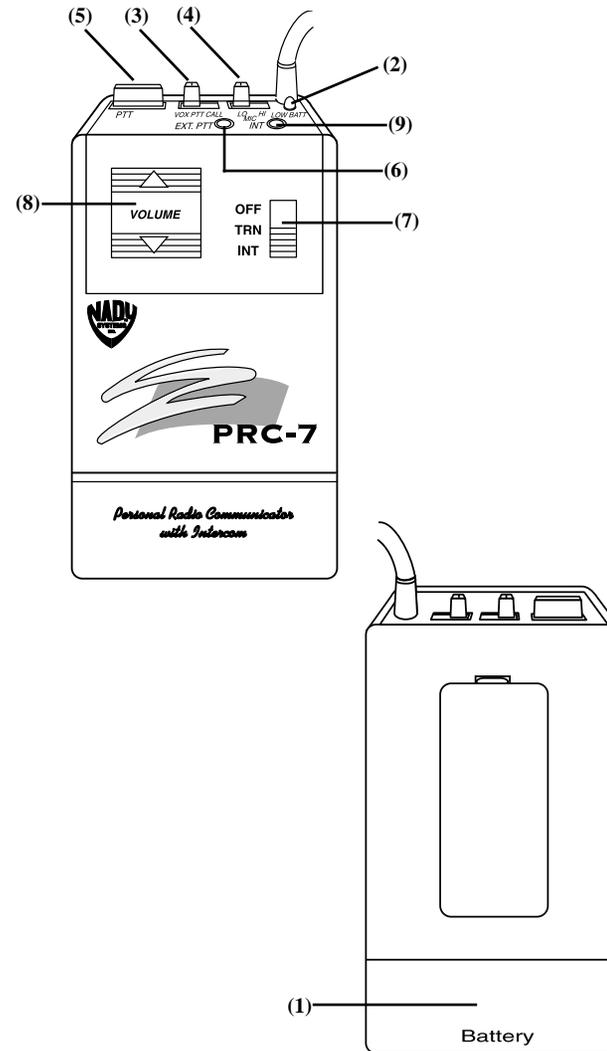
VOLUME CONTROL

OUT OF RANGE

Check batteries, change to make sure. Use fresh alkaline batteries.

You will hear a clicking sound when either of the volume buttons are pressed. This is normal, and indicates that one of the controls has been activated.

The range is approx. 1/4 mile line of sight, less under adverse conditions. During the last 10% of range, static increases rapidly.



## DRIVER AND PASSENGER HEADSETS

The PRC-7 comes with a Nady Snap-Apart headset. This feature allows easy installation of the headset inside an open or closed face motorcycle helmet or similarly designed safety headgear. To install your headset inside a helmet:

- 1) Detach foam earpiece (speaker) from the antenna mic housing.
- 2) Attach antenna mic housing to the outside of helmet with velcro. Then attach earpiece to the inside of the helmet with velcro tape.

The PRC-7 also comes with a choice of two passenger headsets: the MO for open face helmets and the MC for closed face helmets. Both feature easy installation and require no helmet modification.

### MORE ABOUT THE TRN-INT SWITCH

The PRC-7 can be operated with the TRN-INT switch (7) in either position as follows:

A. If you are in INT position:

1. Put the VOX/PTT/XCVR OFF Switch into PTT for a two way intercom. This setting is recommended for intercom only use.
2. Put the VOX/PTT/XCVR OFF Switch (7) into VOX for two way intercom operation that transmits your conversation but will not receive other conversations. This setting is not recommended as it wastes battery life on unused transmissions.

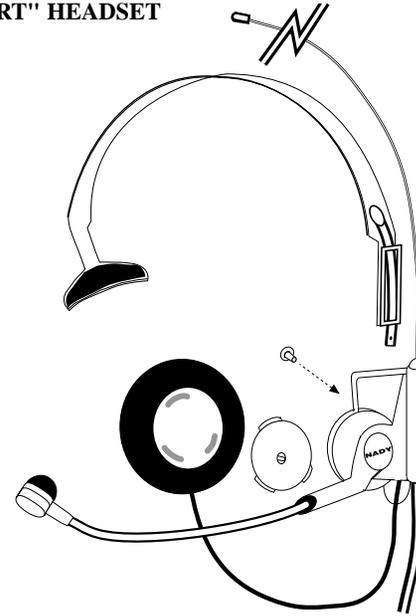
B. If you are in TRN position:

1. In TRN mode, your PRC-7 will function both as a radio communicator and intercom. Both driver and passenger conversations will be transmitted via either VOX or PTT.

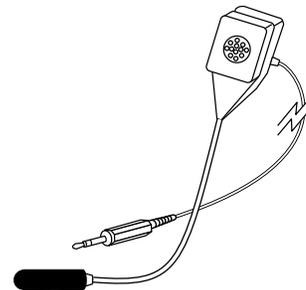
### INTERCOM OPERATION

When using the PRC-7 in the intercom only mode, place the VOX/PTT/XCVR OFF switch (3) in the XCVR OFF position, (to prolong battery life), then plug the passenger headset into the INT jack (9) on top of unit. (It is recommended that the unit be turned off when plugging in the passenger headset.)

### "SNAP-APART" HEADSET



**MO Headset for Open Face Headsets**



**MC Headset for Closed Face Headsets**

