



# INSTRUCTIONS

## COMLINK RTX

INTERCOM & VHF RADIO



# TABLE OF CONTENTS

EQUIPMENT INFORMATION.....	3
INCLUDED ITEMS.....	4
MURS FREQUENCIES.....	4
GETTING ACQUAINTED.....	5
OPERATION.....	6
FUNCTION.....	6
TECHNICAL SUPPORT.....	7
WARRANTY INFORMATION.....	7

## EQUIPMENT INFORMATION

1. Changes to modifications to this device could void the user's authority to operate the equipment.
2. Radio Transceiver must have the antenna connected before transmitting. Failure to connect the antenna may cause damage to the radio.
3. Do not use harsh chemicals or cleaning solvents to clean the device.
4. It is ideal for the driver to be able to reach the controls on the Comlink RTX to adjust the volume and squelch if needed.
5. Always solid mount equipment to the chassis. Do not use rubber mounts.
6. The face of the intercom is water resistant to allow for in vehicle washing. The back of the Comlink RTX is not intended for water resistance. If it will be mounted in an area that encounters mud or water, we recommend an Intercom Cable Cover, sold separately.
7. For best sound quality, run all power grounds to the same spot on the chassis.
8. Never run coax or power cords near MSD or ignition equipment.
9. Do not run radio coax and headset cables in the same wire loom. RF may bleed over when transmitting, introducing noise into the system.
10. When tie wrapping the coax or headset cables to the frame, do not crush. If the coax looks flattened, kinked, frayed or worn, replace it.
11. Adjust microphones on headsets so they are touching your lips. Make sure they are centered to your mouth.
12. Children and soft spoken adults especially need to make sure the microphone is directly in front of their mouth and touching their lips. If the mic is an inch away or down by your chin, the noise canceling features of this intercom will not allow the squelch to open.
13. To eliminate noise, unplug headsets that are not being used.

## INCLUDED ITEMS



COMLINK RTX INTERCOM  
& VHF RADIO



COAX CABLE &  
ANTENNA



VELCRO  
PUSH TO TRANSMIT  
BUTTON



(2) 12' HEADSET/HELMET  
CABLES



MUSIC/PHONE  
ADAPTER

## MURS FREQUENCIES

CHANNEL 1	151.820MHZ
CHANNEL 2	151.880MHZ
CHANNEL 3	151.940MHZ
CHANNEL 4	154.570MHZ
CHANNEL 5	154.600MHZ

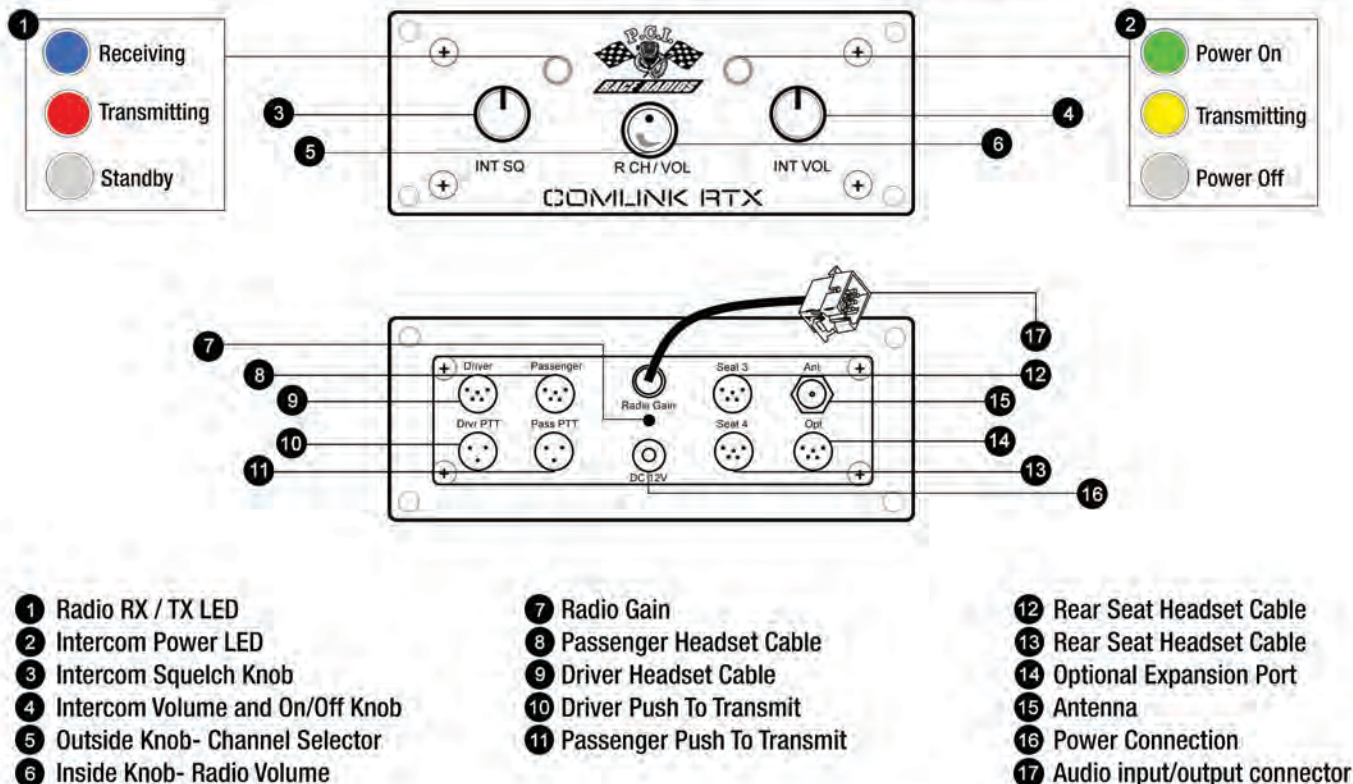
### FCC LICENSING

MURS IS LICENSED BY RULE. THIS MEANS AN INDIVIDUAL LICENSE IS NOT REQUIRED FOR AN ENTITY TO OPERATE A MURS TRANSMITTER IF IT IS NOT A REPRESENTATIVE OF A FOREIGN GOVERNMENT AND IF IT USES THE TRANSMITTER ONLY IN ACCORDANCE WITH SECTION 95.1309. THERE IS NO AGE RESTRICTION REGARDING WHO MAY OPERATE AN MURS TRANSMITTER.

THE FCC SERVICE RULES FOR THE MULTI-USE RADIO SERVICE (MURS) ARE LOCATED IN 47 C.F.R. PART 95 SUBPART J.



# GETTING ACQUAINTED



# OPERATION

## Power/Volume

You can turn the Power on or off by rotating the "INT VOL" knob on the right side of the Comlink RTX. This will also control the volume level of the intercom voice communication. You can turn the two way radio on or off by rotating the inner "R CH / VOL" knob in the center of the Comlink RTX. This will also control the volume of the incoming two way radio transmissions. Music volume is controlled on the music device.

## Adjusting Intercom Squelch

The left knob, labeled "INT SQ" adjusts the intercom's squelch. Comlink RTX is a side tone device, this means if you do not hear yourself, the squelch control needs to be opened up. Turn clockwise to increase the squelch, and counter-clockwise to decrease the squelch. At higher speeds, the squelch control may need to be tightened and you will need to project your voice. With soft spoken passengers, it may be necessary to completely open the squelch to hear them.

## Radio Channel Selection

The Comlink RTX has five channels. The outside of center knob controls the channel selection. Turn clockwise to select high channel numbers, and counter-clockwise to select lower channel numbers. The radio will audibly announce which channel you are on. To transmit and receive from other radios, they will need to be on the same frequency.

## Transmit

Included with the Comlink RTX is a Push to Transmit (PTT) button for the driver. Push this button to transmit out over the two way radio. Release the PTT to terminate radiotransmission. The Driver PTT only transmits the Driver headset microphone line. Additional PTT's are sold separately for the passenger and rear seats. When transmitting, the left LED will change to red and the right LED will change to yellow. When receiving the left LED will change to Blue.

# FUNCTION

The Comlink RTX allows in vehicle intercom communication between you and your passengers. You can connect your cell phone or personal music device through the provided Music/Phone adapter. Enjoy music with your friends and family that automatically mutes to 25% volume when you speak into the microphones. In addition to in vehicle intercom communication, the Comlink RTX is equipped with 5 two way radio channels. By pressing the included Push to Transmit button, the driver can communicate with other vehicles using the same frequency.

The Comlink RTX is capable of communicating a minimum of 1.5 miles in heavily wooded areas and rugged terrain. Range may be much farther in optimal conditions.

## WARRANTY INFORMATION

PCI Race Radios warrants this product to be free of defects in material and workmanship for a period of two years from the date of purchase. This warranty does not cover damage resulting from accident, abuse, act of God or improper operation.

If you experience a problem with this product, return it to PCI Race Radios. Use a traceable shipping method with insurance. PCI is not responsible nor will reimburse for shipping charges to or from. Please include a note describing the troubles along with your name, phone number and return address with a copy of your original sales receipt. If the product is covered under warranty it will be repaired or replaced at no charge. If it is not covered by warranty, you will be notified of any charges before work is done.

Please Ship to:  
PCI Race Radios, Inc.  
2888 Gundry Avenue  
Signal Hill, CA 90755  
Phone 562-427-8177

## TECHNICAL SUPPORT

Thank you for your purchase of this PCI Race Radios product.

For tips, tricks, suggestions and troubleshooting, visit the FAQ page on our website [www.pciraceradios.com](http://www.pciraceradios.com)

If you encounter any difficulty in the operation of this product, please contact us. You can reach us by phone at 562-427-8177 from 9:00 AM to 5:00 PM Monday through Friday PST. We will be happy to answer your questions and help you in any way we can.





**Communications. Navigation. Safety Equipment**

[www.pciraceradios.com](http://www.pciraceradios.com)

(800) 869-5636