



TEAMCOMM

FULL DUPLEX WIRELESS INTERCOM



OPERATIONS GUIDE

VERSION 17:17



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GENERAL INFORMATION:

INTRODUCTION:

The TEAMCOMM is a multi-purpose Full-Duplex, hands-free communications system that allows up to 5 users to transmit (TX) and receive (RX) simultaneously, with an additional 95 users able to listen-in (RX only). It works by having one transceiver selected as the “Master”, with up to 4 other users that are able to talk simultaneously hands-free, via a variety of optional headsets, the additional 95 users are able to listen into the conversation by choosing the required “channel” and selecting the “Receive Only” (PF) option on the handset. The system combines quality and versatility into a compact and easy to use communication device.

MAIN FEATURES:

- Team mode version: Up to 5 people in full duplex mode
- Group mode version: Up to 5 people conference talks in full-duplex and up to 95 people in listen only. The listener is also able to become speaker by pressing Talk button for at least 2 seconds and earliest speaker out of 5 drops to listener.
- Long distance coverage over 1000 feet
- Crystal clear audio quality
- Long battery life: 12 hours
- Can be used with most wired intercom systems (Requires Base Station Repeater)
- Convenient micro USB charging



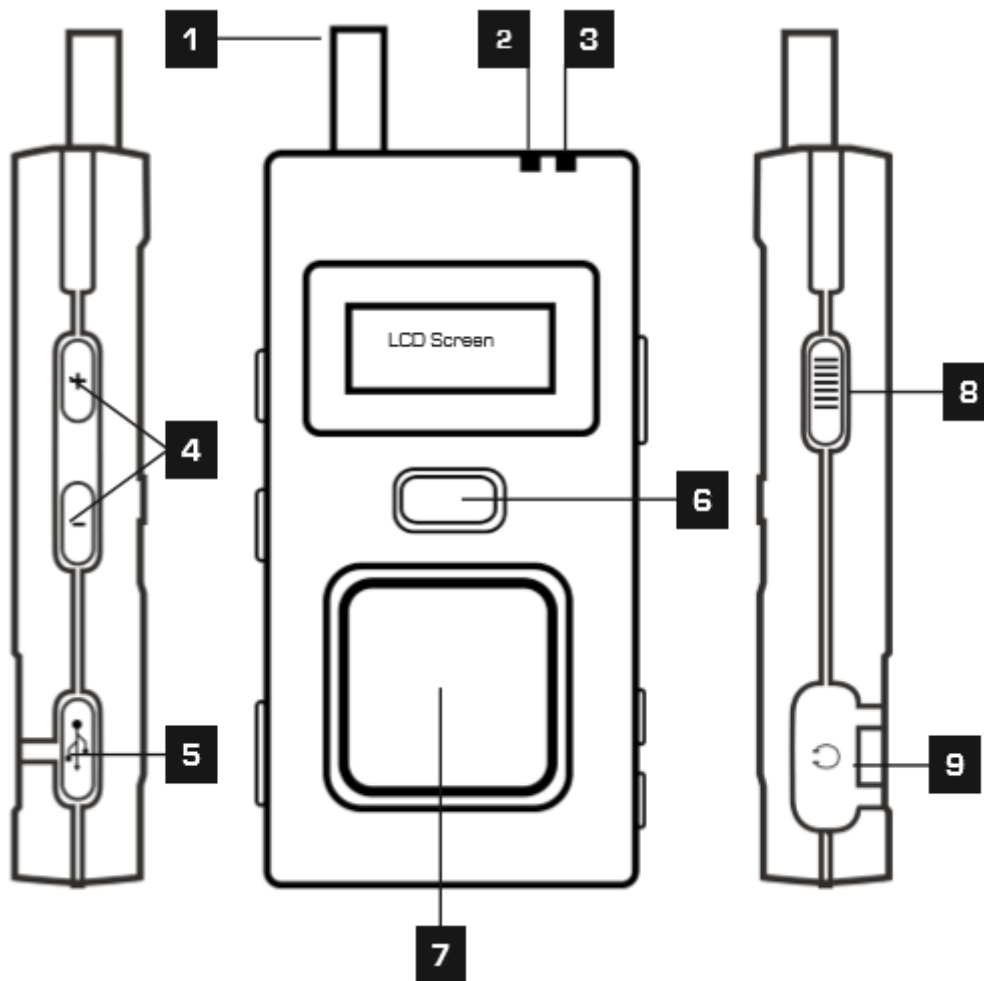
TRANSCEIVER SPECIFICATIONS:

	SPECIFICATION
Transceiver Frequency Type	ISM 902MHz ~ 928MHz
Transceiver Interface	FSK Modulation with Frequency Hopping
	Output Power: Class 1(100mW)
Voice Codec	16bit/16KHz
TX Max Output Power	100mW
RX Sensitivity	-95dBm
Voice Latency	< 35ms
Num. of Channels	40
Data Rate	2Mbps
Battery	Li-ion Battery @3.7V/ TBD 1100mA
Antenna	Internal Helical Antenna
Talk Time	12 Hours
Power Consumption	Avg. 100mA at Class 1(100mW)
Frequency response	50 Hz ~ 7 kHz

HEAVY DUTY HEADSET & BELT HOLSTER ARE INCLUDED ACCESSORIES:



TRANSCEIVER OVERVIEW:



- | | |
|----------------------------------|------------------------|
| 1. Antenna | 6. Mode Button |
| 2. Talk / Status LED | 7. Talk Button |
| 3. Charging LED | 8. On/Off Power Button |
| 4. Volume Controls / Menu Select | 9. Headset Jack/AUX In |
| 5. USB Charging Socket | |

TRANSCIVER MENU FUNCTIONS:

GRP: (Radio Groups) 40 Groups (Channels) available All users must be on the same group to be able to communicate.	ID: (Radio ID's) • This is the handset identification code. The MASTER is always set to ID '00' • Full-Duplex Units (TX & RX) are always set 01-04 • Listen Only (RX) are always set at 05-99
SO/SF: (Side Tone) The side tone feature is where you can hear your own voice in the headset, useful for self-monitoring. • SO = Side Tone ON • SF = Side Tone OFF	PO/PF: Transmit Mode • PO = Transmit and Receive (TX & RX) • PF = Receive Only (RX)
C1-C5: (Microphone Sensitivity) Select the sensitivity level of the microphone • C1= lowest • C5 = highest	UH/UL: (Audio Output Level) Adjusts the output audio levels, useful in high-noise environments. • UH = Audio Output High • UL = Audio Output Low

Your system will be set at the factory to operate right out of the box. All you need to do is plug in your Headsets and power on the Transceivers. Should you desire to make any changes; the information below will instruct you on how to make desired changes.

Step 1: Plug Headsets into the **top** headset jack of the Transceiver.



Step 2: POWER ON/OFF:

- Press and hold the "Power" button **8** for at **least 3 seconds** to turn on the transceiver.
- The LCD will light up and display default volume level "VOL 03".
- To turn off the transceiver, press and hold the "Power" switch again for 3 seconds.

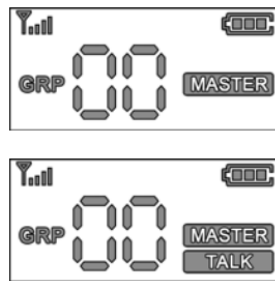


GROUP SELECTION:

Press and hold the 'Mode' button for at least 3 seconds after turning on the device. The 'GRP' symbol on the LCD should be blinking. Select the desired group number (00 to 39) by pressing the '+' and '-' **4** on the volume/menu control buttons, then release buttons to establish your selection. All handsets must have the same Group Number to be able to communicate with each other. Press and hold the "Mode" button for at least 3 seconds.

- The "GRP" symbol on the LCD will be blinking. Select the Group number 0~39 as you desire by pressing "+" or "-" button.

Note: Every Transceiver needs to have a same Group number to communicate with each other in a group.



ID SELECTION:

In a group, every radio needs to have a unique ID number ranging from 00 to 99. The ID '00' is reserved for the Master radio in the group and every group needs to have a the ID '00' assigned to the master, the 'MASTER' and 'TALK' will be displayed on the LCD once the ID '00' has been set. If the handset is set to any other ID other than '00' only the 'TALK' symbol will be displayed. In each group, every Transceiver needs to have a different ID from "00" to "99".

- Press and hold the "Mode" button for at least 3 seconds.
- The "GRP" symbol on the LCD will be blinking. Press the "Mode" button one more time.

The "ID" symbol on the LCD will be blinking.

- Select a different ID number for each Transceiver from "00" to "99" in a group by pressing "+" or "-" button.



TRANSMITTING & RECEIVING:

The Master Transceiver will have ID "00", it will remain in Full-Duplex mode (Transmit & Receive)

For other Transceivers, press "Talk" button **7** for 2 seconds. "TALK" will be displayed on the LCD.

To set the unit in Receive Only mode, press the "TALK" button for at least 2 seconds and you will only be able to hear audio. To get back into the conversation, simply press the "Talk" button **7** for 2 seconds.



Volume Up / Down

Adjusts the volume level 00 thru 09.

Press "+" button to adjust volume up and "-" button to adjust volume down.



Note: Default volume level is 03 and the volume level returns to 03 whenever unit is powered off.

AUDIO OUTPUT HIGH/LOW:

Allows you to adjust microphone audio output.

The higher audio output may be desired when you are in high noise environments.

- Press and hold the "Mode" button for at least 3 seconds.
- The "GRP" will be blinking on the LCD. Press the "Mode" button 6 times consecutively.
- Select either "UH" for higher audio output or "UL" for lower audio output by pressing "+" or "-" button and then releasing all the buttons for 3 seconds to set desired level.



Note: Default setting is "UL"

SIDE TONE ON/OFF:

Side tone feature allows you to hear your own voice in your headset earphone.

- Press and hold the "Mode" button for at least 3 seconds.
- The "GRP" symbol on the LCD will be blinking. Press the "Mode" button two times consecutively.

The "SO" symbol on the LCD will be blinking.

- Press "+" or "-" button to change the Side Tone to Off. The "SF" will now be displayed on the LCD.

Side Tone On



Side Tone Off



Note: Default setting is "SO".

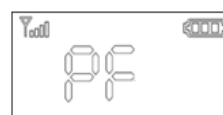
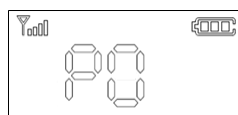
RECEIVE ONLY MODE:

Allows you to set the unit to Receive Only Mode.

- Press and hold the "Mode" button for at least 3 seconds.

The "GRP" will be blinking on the LCD. Press the "Mode" button 4 times consecutively.

- Select either "PO" for the device to both Receive and Transmit capable as a normal activity or "PF" for the device to receive only. Press "+" or "-" button to select "PO" or "PF".



Note: Default setting is "PO"

MICROPHONE SENSITIVITY LEVEL CONTROL:

You can select the microphone sensitivity at 5 levels depending on your environment.

"C1" is the lowest microphone sensitivity and "C 5" is the highest.

- Press and hold the "Mode" button for at least 3 seconds.

The "GRP" will be blinking on the LCD. Press the "Mode" button 5 times consecutively.

- Select the microphone sensitivity level 1 ~ 5 as you desire by pressing "+" or "-" button.



Note: Default Setting is "C3"

BATTERY & CHARGING:

IMPORTANT: Make sure the Transceiver is turned OFF before charging, not doing so will significantly reduce the life of the battery.

- Plug the USB charging cable into the USB socket **5** on the side of the Transceiver.
- Connect cable to Charger Hub and make sure Hub is connected to AC power.
- The red LED on top right hand side of the transceiver will come on, the red LED will go off once the Transceiver is fully charged.

USB Charging Hub



RANGE

All handsets must be within 1000 feet Line-of-Sight (LoS) of the 'MASTER'. When a handset goes out of range of the "MASTER" Transceiver, an audible BEEP will sound in the headset and the "SIGNAL" symbol on the LCD screen will have no bars.



TROUBLESHOOTING

Issue: "I can hear everyone, but no one can hear me."

Possible Solutions: Make sure your headset is fully inserted into headset jack.
Make sure your "Talk" icon is showing.

Issue: "No one can hear me, I can't hear anyone."

Possible Solutions: Make sure your headset is fully inserted into headset jack.
Make sure you are in the same Group as everyone else. Also make sure your ID is different from everyone else.

Issue: "Transceiver won't turn on."

Possible Solutions: Transceiver may need to have battery charged.
Make sure you hold the Power button for at least 3 seconds.

Issue: "Audio is not clear."

Possible Solutions: You may be out of range from other group members. Max range is 1000 feet.

Should you have any problems operating your system or if you have any questions regarding your system, please contact us.

Fluent Audio

Phone: 800 826-2677

e-mail: support@fluentaudio.com



WARRANTY STATEMENT:

FLUENT AUDIO, Inc. develops designs and manufactures products in order to provide high quality wireless solutions which provide many years of trouble-free service. The following Warranty Statement defines the warranty periods for each model of equipment manufactured by FLUENT AUDIO, Inc.

FLUENT AUDIO warrants its transceivers, transmitters and receivers and chargers to be free from defects in workmanship and material under normal use and conditions for two years from date of purchase. All other parts and accessories are warranted for 90 days from date of purchase. The Warranty is only available to the original end purchaser of the product and cannot be transferred.

Warranty is void if damage occurred because of deliberate or accidental physical damage, neglect, misuse or if the product has been repaired or modified by anyone other than a factory authorized service technician. Warranty does not include normal wear and tear on the product or any other physical damage unless the damage was the result of a manufacturing defect. FLUENT AUDIO is not liable for consequential damages due to any failure of equipment to perform as intended.

FLUENT AUDIO shall bear no responsibility or obligation with respect to the manner of use of any equipment sold by it. FLUENT AUDIO specifically disclaims and negates any warranty of merchantability or fitness of use of such equipment including, without limitation, any warranty that the use of such equipment for any purpose will comply with applicable laws and regulations. The terms of the warranty are governed by the laws of the state of Wisconsin. This warranty, prices, and the specifications of products are subject to change without notice.



REPAIRS AND RETURNS:

If you are experiencing difficulty with your system please review the operating section of our manuals and user guides for tips and techniques to correct your issues. If you continue to experience problems with your equipment, please call FLUENT AUDIO, Inc. Customer Service Assistance number at (800) 826-2677.

If it is necessary to return your system for service, you must first be issued a Return Authorization Number (RMA) by our Customer Service Technician prior to sending the system to FLUENT AUDIO. All returns must be prepaid by the sender (no freight collect shipments will be accepted). **NO RETURNS WILL BE ACCEPTED WITHOUT A COMPANY ISSUED RMA NUMBER AND PREPAID FREIGHT.**

WARRANTY REPAIRS:

We will, at our option, repair or replace any part or product found to be defective in workmanship or material under normal use and condition. Warranty is void if damage occurred because of deliberate or accidental physical damage, neglect, misuse or if the product has been repaired or modified by anyone other than a factory authorized service technician. Warranty does not include normal wear and tear on the product or any other physical damage unless the damage was the result of a manufacturing defect.

FLUENT AUDIO Repairs and Return policies, programs, and pricing are subject to change without notice.