

• WARRANTY SERVICE CARD

WARRANTY CARD

PRODUCT NAME	Wireless Transceiver System	PERIOD
MODEL NAME	CCR24GEN	1 YEAR From the date of purchase.
PURCHASE DATE	. . . 200_	
WARRANTY PERIOD	. . . 200_	

CUSTOMER'S ADDRESS :	NAME :
	TEL :
AGENT'S ADDRESS :	NAME :
	TEL :

* Be sure to fill in blanks when the unit is sold

We grant 1 year warranty on the product commencing on the date of purchase. Within the warranty period, the manufacturer will correct, free of charge, any defect in the unit resulting from faults in materials or workmanship, either by repairing or replacing the entire unit as manufacturer may choose.

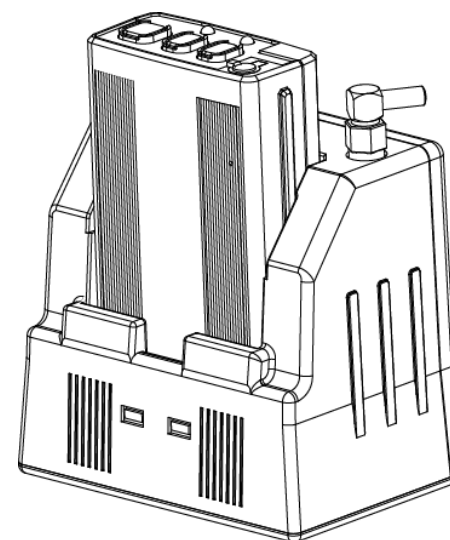
This warranty does not cover: damages due to improper use, normal wear and tear, or defects that have a negligible effect on the value or operation of the unit. The warranty is void if repairs are undertaken by unauthorized persons and if original Trinus parts are not used.

To obtain service within the warranty period, bring in or ship the complete unit with your purchase invoice to a Trinus Customer Service Center.

CCR24T CCR24R

WIRELESS TRANSMITTER SYSTEM

User's Guide



- Read this user's guide carefully for safe operation and proper use of the product .

WARNING

*** Please turn off the power before connecting or disconnecting any cables.**

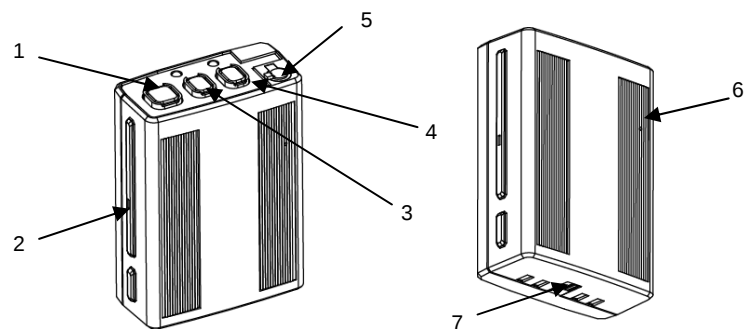
- Do not immerse in water or keep in humid areas
- Do not place near TV, speakers, or other electronic devices
- Before installation, check power supply and voltage to avoid hazards
- Do not apply force or shock to the unit
- Do not disassemble the unit

TECHNICAL SPECIFICATIONS

Operating Voltage	TX: 3.7VDC RX: 12VDC
Frequency Range	2401.056 MHz ~ 2478.816 MHz
Operating Range	Up to 1500 feet at the open field * Note : Operating Range can be different according to the environment
Operating Temperature	10 ~ 110 °F
LED Indicators	TX: low battery warning, Out of Range, Talk On, Mute RX: Charging indicator, Talk On
Jacks	8 pin RJ-45 for power, audio out, and trigger out
Battery	Capacity: Lithium-Li-Polymer 3.7V DC/1400mA Charging time: 3 hours Talk Time: Max. 13 Hours

MEMO

OPERATION (TX)



1	REC,TALK On/Off	6	Internal MIC
2	BEEP	7	Power On/Off
3	MODE		
4	MUTE ON/FF		
5	Microphone Jack		

1. REC On/Off button

* LED : REC & Talk On/Off – Green LED On/Off

Mute On – Green LED blinking

Low Battery – Red LED blinking

Out of Range – Red LED steady On

2. Beep: Beep Tone

3. Mode: Beep > Vibration > Beep + Vibration > NO action

Every time you push the button, mode will be automatically changed in order. (This Function operate only at St-by mode)

4. Mute On/Off:

When user want to mute the voice in the Communication.

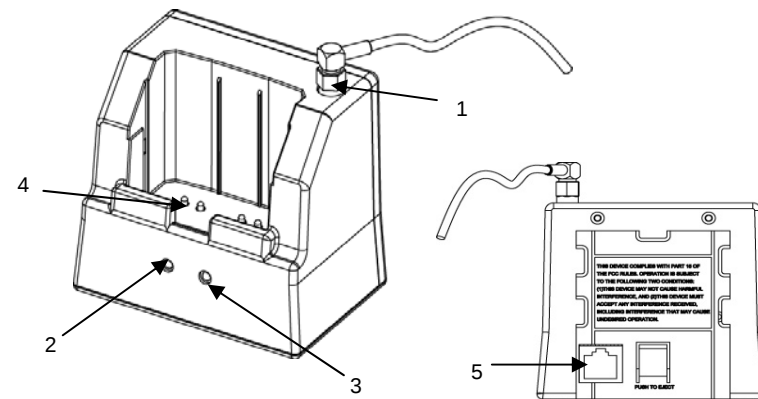
Press the button to mute and press the button again to not-mute.

5. Microphone Jack (* Lapel MIC is optional)

6. Internal MIC

7. Power On/Off: Turn on/off the power of unit. When this is turned off, Unit will not work.

OPERATION (Cradle)



1	Antenna connection (external Antenna)
2	LED : Recording ON/OFF, ID Matching
3	LED : Battery Charging Status
4	Charging PIN
5	RJ-45 Jack

1. Antenna Connection

2. LED : REC & TALK On/Off – Green LED On/Off

ID Matching On – Green LED blinking

3. LED : Battery Charging – Red LED on

Battery is fully charged – Green LED on

4. Charging Pin

5. RJ45 Jack for the cable

PIN DESCRIPTION

RJ-45 Connector Pin Description

Pin# 1: VCC, DC power (10V ~ 16VDC)

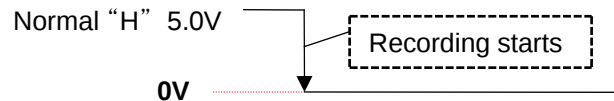
Pin# 2: GND

Pin# 3: Audio Signal

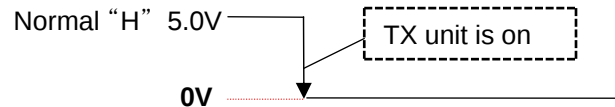
Pin# 4: Audio Signal GND

Pin# 5: GND

Pin# 6: 2.8V out when the unit is on. Short this pin to GND to remotely turn on TX.



Pin# 7 : 0V when TX is ON, 5V when TX is OFF.
Use this pin for recording trigger (Recording Trigger)



Pin# 8 : FULL UP 5V 470 OHM



FUNCTIONS

- 95 Channel Possible in the 2400~2483MHz Bandwidth
- Transmission Range up to 1500 feet in open field
- Audible and LED indicator out of range warning.
- Better voice quality.
- 40 bits security code combination.
- Charger Status Indicator
- Mute function On/Off Key (Transmitter)
- Auto link (When the system On/Off is On mode)
- Recorder On/Off Switch
- Transmitter Power On/Off switch
- Low Battery Indicator (Transmitter)
- Link LED indicator (Receiver & Transmitter)
- Beep Mode and Vibration Mode Selectable for user's convenience

TROUBLESHOOTING

Problems	Check Points
No reception	- Check the battery status - Check the connection and cables - Check the communication range
Poor reception, static, noise	- Change the location of RX Set - Check the communication range - Check to see if unit is placed near TV, speakers, or other electronic devices
Unit does not respond	- Check the battery status - Check the power switch on the bottom of the unit - Check the connection and cables

Safety Approval

- FCC ID: ROYCCR24R / ROYCCR24T

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions :

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

CAUTION : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential

installation. This equipment generates, uses and can radiate radio frequency energy, and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF Radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.