

CHIAYO

SDR-6200 IrDA SDR-6100 IrDA

UHF 2-way Sync True Diversity / Diversity Wireless Microphone

Operation manual



ISO 9001



ISO 14001



OHSAS 18001



GREEN PRODUCT



Thank you for choosing this wireless microphone system!

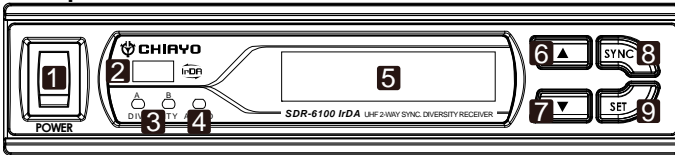
Our products are designed to last and for user friendly operation. Each system consists of:

1. a receiver
2. a handheld or belt-pack transmitter
3. a pair of antennas
4. a switching adaptor
5. an operation manual

For more details, please take a few moments to read this operating manual to have a thorough understanding of the function and operation of both transmitter and receiver.

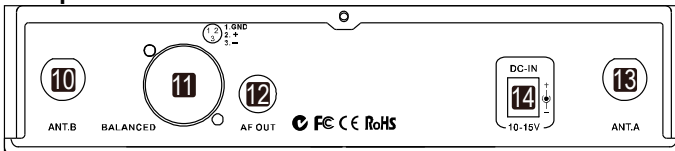
Parts and functions of SDR-6200 IrDA/SDR-6100 IrDA receiver

Front panel

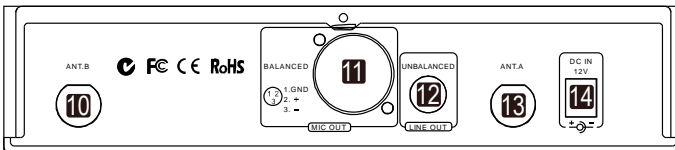


1. Power switch
2. IR sensor area
3. Diversity indicator
4. Audio signal indicator
5. LCD display
6. UP button
7. DOWN button
8. IrDA synchronization button
9. SET button

Rear panel



▶ SDR-6200 IrDA

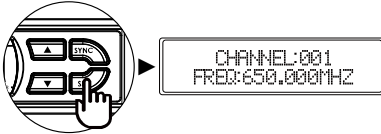


▶ SDR-6100 IrDA

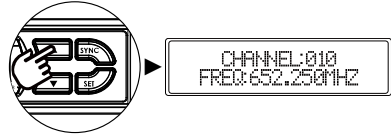
10. Antenna B socket (TNC)
11. Balanced audio output
12. Unbalanced audio output
13. Antenna A socket (TNC)
14. DC in

Changing CHANNEL / FREQUENCY

1. Press and release **SET** button until the CHANNEL-FREQUENCY page appears.



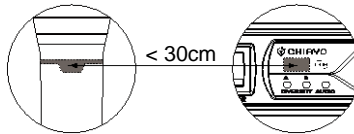
2. Press **▲(UP)** or **▼(DOWN)** button to select a new channel. As the channel changes, the frequency changes accordingly, too.



3. After a channel is chosen, wait 5 seconds to store the setting.

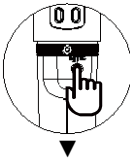
CHANNEL SYNCHRONIZING of the receiver and transmitter

Align infrared areas of the receiver and transmitter within 30cm.

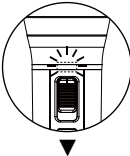


A. Changing the receiver's channel

1. Press the synchronizing button of the transmitter.



2. The transmitter's LED will glow to denote synchronizing signal transmitted.



3. **COPIED BY IRDA** will appear on the receiver's LCD, which means the receiver has been successfully synchronized.

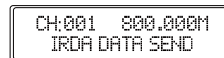


B. Changing the transmitter's channel

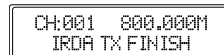
1. Press the SYNC button of the receiver.



2. **IRDA DATA SEND** will appear on the receiver's display



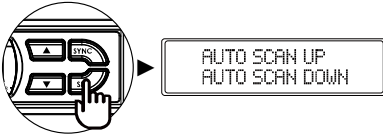
3. Then **IRDA TX FINISH** will appear to denote data transferred.



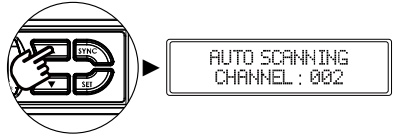
CHANNEL scanning

For an interference-free operation, a cleaner channel might be necessary if the current one receives too much interference. Before scanning, the transmitter must be switched off.

1. Press and release **SET** button until the AUTO SCAN page appears.



2. Press **▲(UP)** or **▼(DOWN)** button to find and locate a clear, interference-free channel.



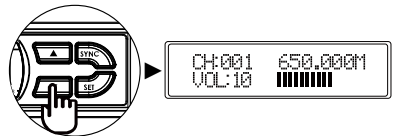
3. After a channel is chosen, wait 5 seconds to store the setting.

Adjusting VOLUME level

1. The setting can be made right on the homepage.



2. Press **▲(UP)** or **▼(DOWN)** button to choose a new level.

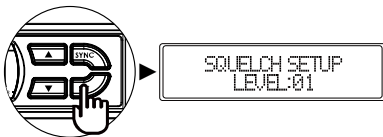


3. After the setting is made, wait 5 seconds to store the setting.

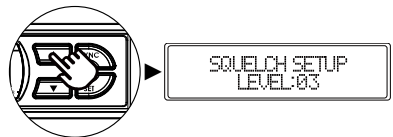
Adjusting SQUELCH level

When interference is encountered try reducing the sensitivity of the receiver, thus less susceptible to interference.

1. Press and release **SET** button until the SQUELCH SETUP page appears.



2. Then press **▲(UP)** or **▼(DOWN)** button to choose a new level between 1 and 10.



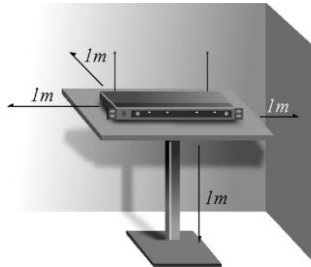
3. After a level is chosen, wait 5 seconds to store the setting.

Since increasing the squelch level will also reduce the reception distance, it's recommended to choose the lowest level that can eliminate the interference.

If this still does not solve the problem it means this frequency is not suitable. Adjust the squelch back to its preset level and use the scan function to locate a clear, interference-free channel.

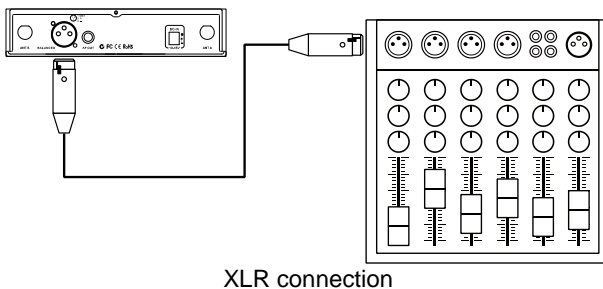
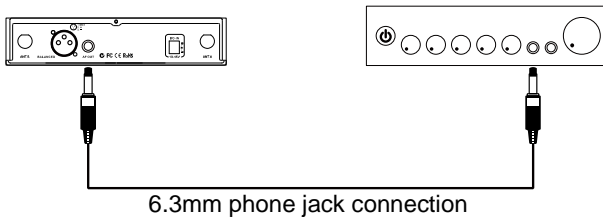
Receiver installation

1. For best operation, the receiver should be at least 1m above the ground and 1m away from a wall or metal surface to minimize reflections.
2. The transmitter should also be at least 1m away from a wall or metal surface to minimize reflections. The transmitter should also be at least 1m away from the receiver.
3. Keep antennas away from noise source such as motors, automobiles, neon light as well as large metal objects.



Audio output connection

There are two audio outputs on the back of the receiver, Mic-level balanced and Line-level unbalanced. Use shielded audio cable for the connection between the receiver and the amplifier/mixer. If the amplifier/mixer has a 1/4" (6.3mm) phone jack, connect a cable from the 1/4" (6.3mm) unbalanced audio output from the receiver to the amplifier/mixer. If the amplifier/mixer has an XLR input, connect a cable from the balanced XLR audio output from the receiver to the amplifier/mixer input.



Rack mounting

The receiver can be cabinet-mounted by either one or two units. If only one receiver is to be mounted, an optional kit is available and it's installed as shown in Fig 1. If two receivers are to be mounted, they can be assembled by another kit and installed as shown in Fig 2.

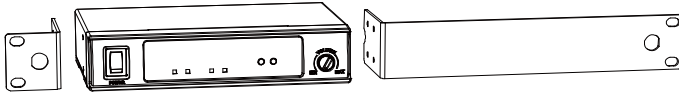


Fig 1. Rack mount one receiver

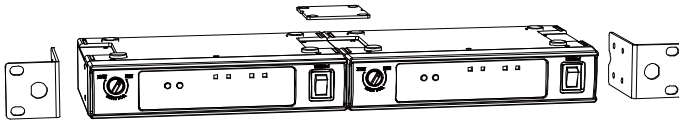


Fig 2. Rack mount two receivers

CHIAYO

CHIAYO ELECTRONICS CO.,LTD.

[Http://www.chiayo.com.tw](http://www.chiayo.com.tw) | Email: sales@chiayo.com.tw

Office: 30, Lane 27, Section 4, Jen-Ai Road, Taipei 10685, Taiwan | Tel: 886-2-27415741 | Fax: 886-2-27525242
Factory: 88, Chung-Hsiao Street 2, Chiayi 60080, Taiwan | Tel: 886-5-2711000 | Fax: 886-5-5767611