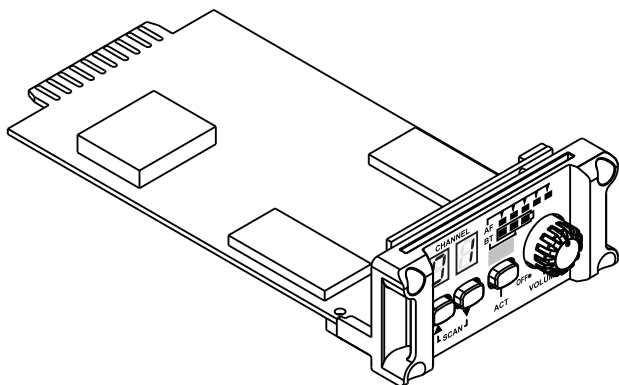




MRM-24

2.4 GHz Digital Wireless Receiver Module

User Guide



This single-channel, frequency agile, wireless receiver module is to be installed in certain MIPRO wireless portable public address sound systems.

I. Parts Name, Fig. 1

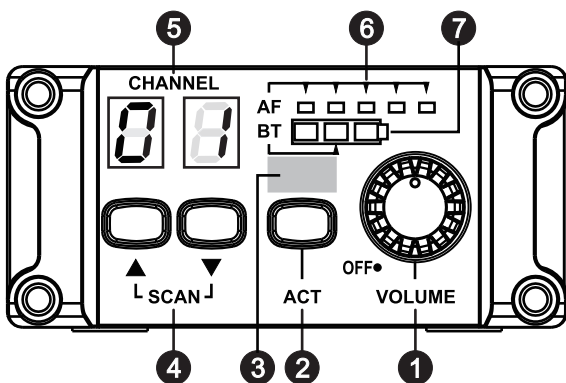


Fig. 1

- ❶ Receiver Power / Volume Control.
- ❷ Channel sync ACT button.
- ❸ Channel sync ACT window.
- ❹ Channel SCAN buttons.
- ❺ Channel display LED screen.
- ❻ Audio signal indicators.
- ❼ Transmitter battery status indicators.

II. Changing Receiver Channel

1. Scan Automatically for a Non-interference Receiver Channel: Press and hold up or down SCAN button ④ to perform a channel scan. Existing channel ⑤ blinks to denote it is ready to accept parameter changes. During blinking, press and release SCAN button to scan and stop for an open channel. This new channel is now saved. If SCAN button is not pressed within six blinks, it stops blinking and reverts back to the existing channel, Fig. 2.

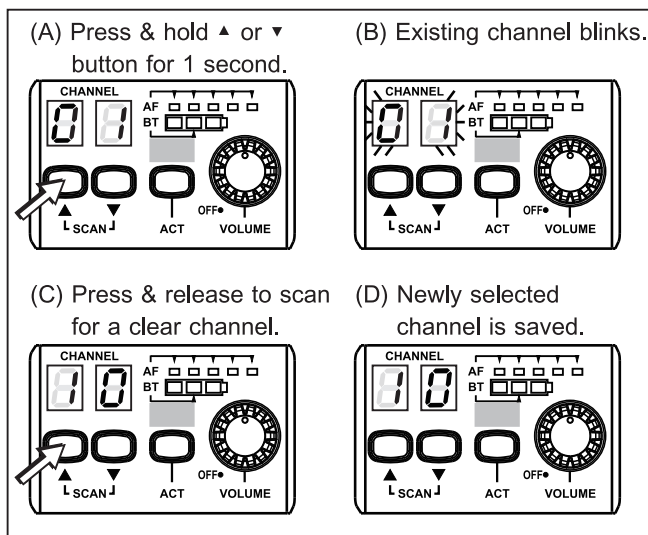


Fig. 2

2.4 GHz Digital Wireless Receiver Module

2. Manually Search for a Receiver Channel: Press and hold up or down SCAN button **4** to perform a manual channel search. Existing channel **5** blinks to denote it is ready to accept parameter changes. During blinking, press and hold Channel button to force the channel to go forward to the next channel in order. Release Channel button until a desired channel is located. This new channel is now saved. If Channel button is not pressed within six blinks, it stops blinking and reverts back to the existing channel, Fig. 3.

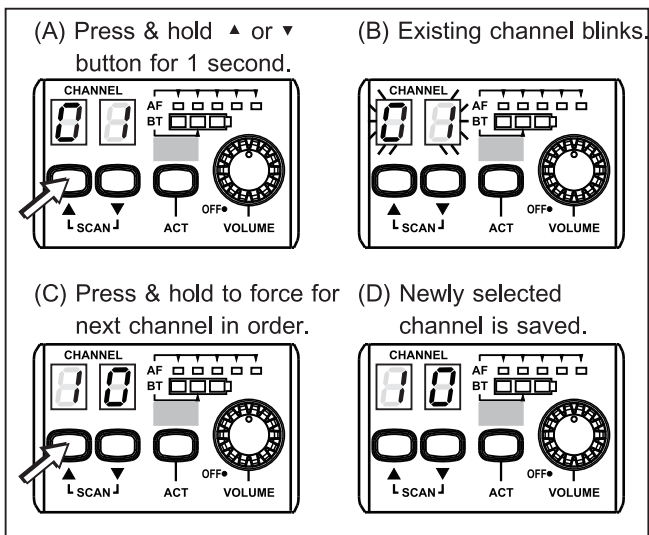


Fig. 3

III. ACT Channel Synchronization, Fig. 4

1. Ascertain both receiver and transmitter are powered on. Press ACT button **5** on receiver to activate IR (infrared) channel synchronization. Existing channel blinks.
2. Align the ACT sync windows of both transmitter and receiver **3** within 20cm of each other for an automatic channel synchronization.
3. If ACT channel synchronization is performed successfully, the new channel in Channel Display Screen stops blinking and transmitter battery status indicators **7** are lit and audio indicators are lit once you speak into the microphone.
4. Press and release ACT button a second time to stop ACT channel synchronization.

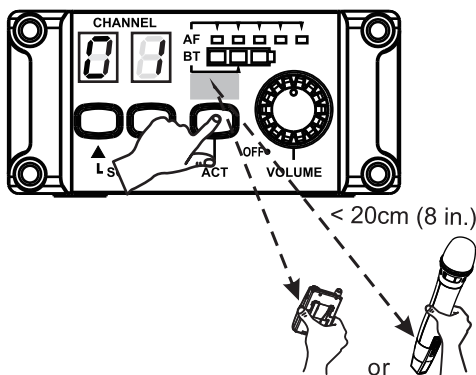


Fig. 4

IV. To Set Up ID Code

1. DIP switch numbers 1 and 2 are reserved for setting up to 4 ID Codes: 00 ==> 1, 01 ==> 2, 10 ==> 3, 11 ==> 4, Fig. 5.

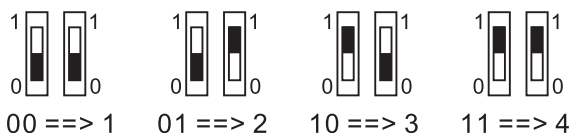


Fig. 5

2. The identification code can be programmed to provide protections against same channel interference in the same venue when multiple receiver channels are used.
3. CAUTION: Once ID Code is programmed, one must perform an ACT channel synchronization so the new ID Code becomes effective.

V. Receiver Module Wiring Diagram, Fig. 6

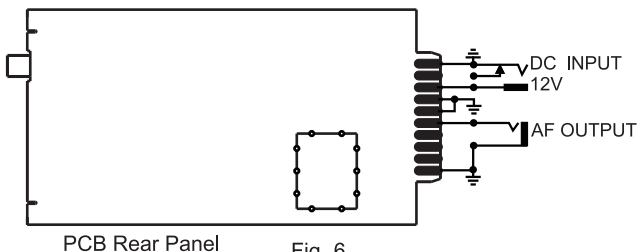


Fig. 6

VI. Notes

1. Refer to actual product in the event of product description discrepancy.
2. Frequency range and maximum deviation comply with the regulations of different countries.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 0.5 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

IC

This device complies with Industry Canada RSS-210 ISSUE 2 standards. Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et

- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

5.8 GHz Digital Wireless Receiver Module

Federal Communication Commission Interference Statement

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 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 Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 0.5 cm between the radiator and your body.

5.8 GHz Digital Wireless Receiver Module

Disposal



Dispose of any unusable devices or batteries responsibly and in accordance with any applicable regulations.

Disposing of used batteries with domestic waste is to be avoided!

Batteries / NiCad cells often contain heavy metals such as cadmium(Cd), mercury(Hg) and lead(Pb) that makes them unsuitable for disposal with domestic waste. You may return spent batteries/accumulators free of charge to recycling centres or anywhere else batteries/ accumulators are sold.

By doing so, you contribute to the conservation of our environment!

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