

Instruction Manual
UHF FM TRANSMITTER / RECEIVER
Type No. : HX68-C/V

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NEC System Integration & Construction, Ltd.

FCC WARNING

Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

NOTICE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide responsible protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, use, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expence.

1. Parts Description



①AF/PRS

Connector for input / output of audio signal and input of press signal

②SQUELCH TRIMMER

Trimmer for squelch adjustment

③RX LED

LED which turns on when the receiving signal exists

④TX LED

LED which turns on at transmission

⑤Power LED

LED which turns on when the power is on.

⑥Power Switch

Switch to turn the power on/off

⑦Fuse

Fuse for power source

⑧Power Supply Connector

Connector for power supply (DC13.8V)

⑨TX Antenna Connector

Connector to connect the transmission antenna

⑩FAN (Optional)

FAN to cool the heat sink

⑪RX Antenna Connector

Connector to connect the receiving antenna

2. Power On

Supply the power (DC13.8V) to the power connector and turn the switch lever (No.6) upwards. The Power LED (No.5) at the front panel turns on when the radio is on normally.

3. Transmission Mode

When the pin number 8 and 9 of AF/PIS connectors are connected, the radio will be at the transmission mode and TX LED at front panel (No.4) turns on.

4. Modulation Input

Modulation signal is to be connected to the pin number 1 and 2 of AF/PIS connectors (No.1)

5. Receiving Mode

The radio is in receiving mode when it is not in transmission mode.

The received audio signal comes out from the pin number 4 and 5 of AF/PIS connectors (No.1).

6. Squelch Adjustment

Follow the instruction below.

- 1) Turn the squelch trimmer (No.2) all the way counterclockwise.

Then RX LED turns on.

- 2) Then, turn the squelch trimmer back clockwise slowly. As it turns, RX LED (No.3) flashes and eventually turns off.

- 3) The best position for the squelch trimmer is where RX LED turns off.

Note) Adjust the squelch when the antenna is connected.

Check the squelch every time the radio is moved. Re-adjust the squelch trimmer if necessary.