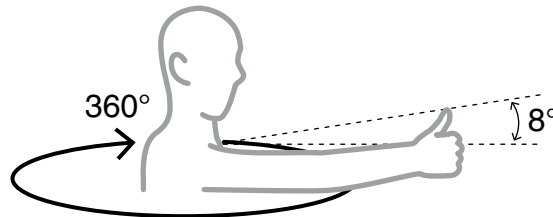


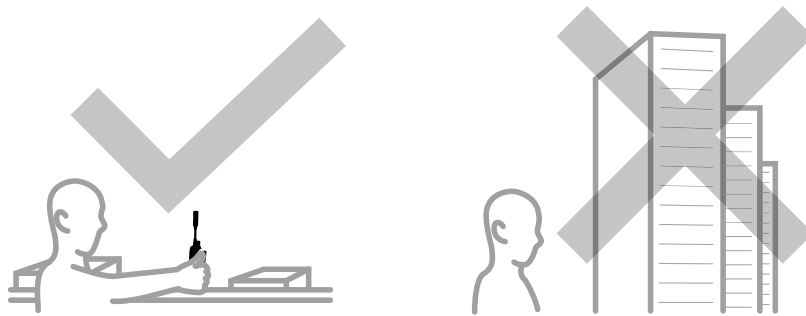
This reference guide describes useful information when using the satellite PTT transceivers.

1. Operating environment

- Move away from buildings and use the transceiver in areas with an open sky.
- Extended your arm horizontally, and raise your thumb.
- Turn your body around 360 degrees with your arm extended. Make sure that there are no obstacles such as buildings or trees higher than about 8 degrees.



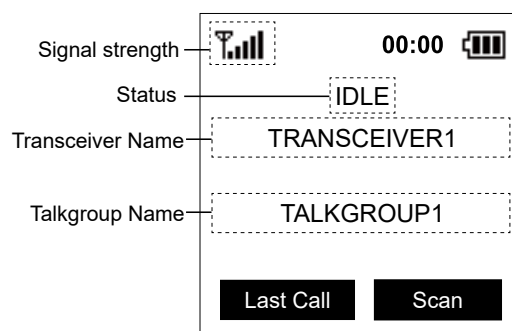
① Receiving and transmitting may fail, depending on the satellite positions or nearby obstacles.



2. Checking the signal strength

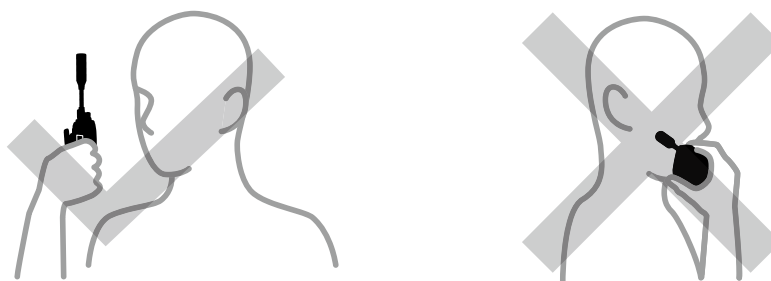
- Turn ON the transceiver and wait for the registration to complete, which takes approximately 30 seconds.
- Confirm the antenna icon, indicating a connection with a satellite is established. After this, the registration has been completed, you can see your Talkgroup and the transceiver's name on the display.
- The status "IDLE" is displayed when the transceiver is ready to operate.

① While registering the transceiver, keep the antenna pointing to the sky. Otherwise, you may lose the signal from the satellite, and registration may fail.

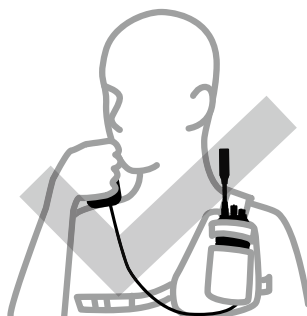


3. Antenna position

- Hold the transceiver with its antenna straight up and pointing to the sky.
- If you hold the transceiver with a chest harness, make sure the antenna is pointing to the sky. Otherwise, you may lose the signal from the satellite.
- When you transmit and hold the transceiver in your hand, always keep it in front of your face.
 - ① Hold the transceiver above your shoulders and vertical while receiving and transmitting.

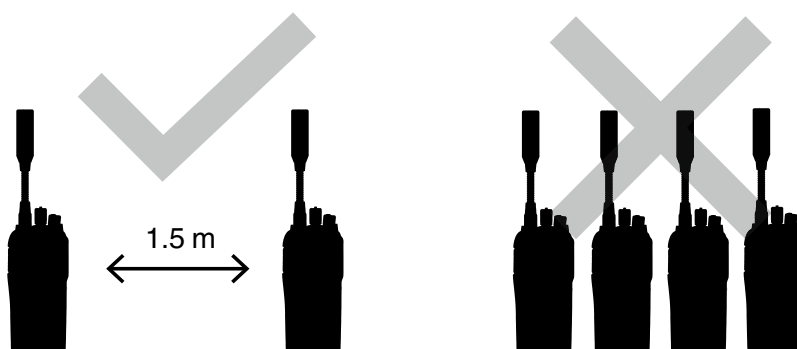


① When using the transceiver and the chest harness, we highly recommend that you use with our speaker microphone.



4. Distance with the other satellite PTT transceivers

Keep a minimum of 1.5 m (4.9 feet) away from other transceivers. Using within a closer range may cause interference.



5. Receiving

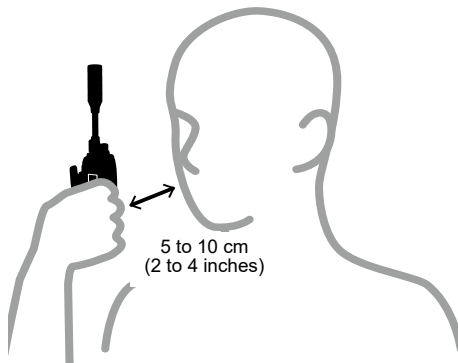
- Hold the transceiver with its antenna pointing to the sky.
- You cannot transmit while receiving signals in the same Talkgroup.
- When receiving is finished, the transceiver sounds a “Pi” beep, and displays the “OPEN” status.
 - ① If you hold down [PTT] while receiving signals, the transceiver sounds a “PiPiPiPiPi” beep, and displays “BUSY.”

6. Transmitting

- Wait until the Talkgroup becomes clear.
- While holding down [PTT], speak into the microphone at your normal voice level.
- Release [PTT] to receive.

To maximize the readability of your signal:

1. After holding down [PTT], pause briefly before you start speaking.
 2. Hold the microphone 5 to 10 cm (2 to 4 inches) from your mouth, and then speak at your normal voice level.
 - ① When you speak into the microphone, do not cover the mic hole in the front panel.
- Keep the communication ideally within 20 seconds.
 - ① This transceiver has a Time Out Timer function, which automatically stops transmissions that exceed 40 seconds. If you need to transmit further, release [PTT], and then hold down [PTT] again.
 - If the connection becomes poor while transmitting, the transceiver sounds a “PuPu” beep at 1.5 second intervals. Confirm that the antenna is pointing to the sky, or attempt to relocate your operating location if the signal condition does not improve.

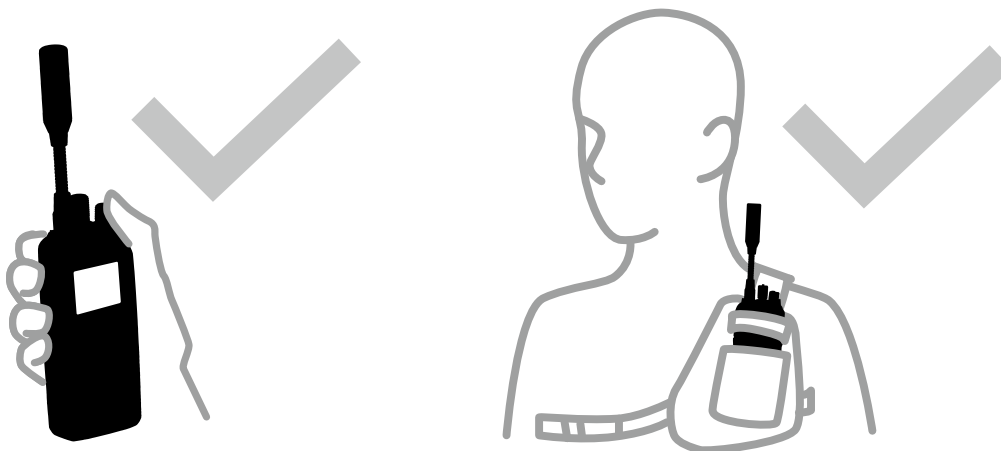


NOTE:

- An initial transmission may take up to 2 seconds to authenticate. After this, the service will perform normally. Continue to hold down [PTT] for several seconds before you begin speaking. This prevents some audio from being cut off at the beginning of transmission.
- If the transceiver displays “OPEN” on the display, you can start to transmit.
 - ① Before transmission, always confirm the “OPEN” status on the display.

7. Carrying a transceiver

- When you carry the transceiver in your hand, keep the antenna pointing to the sky.
- When using a chest harness, keep the transceiver above your shoulders, and vertical while carrying.



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