



PTT BEST PRACTICES GUIDE

STEP-BY-STEP INSTRUCTIONS FOR USE

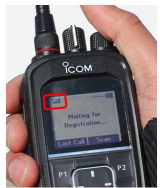


PTT BEST PRACTICES GUIDE - SUMMARY



Step 1: Site Survey

Move away from buildings and use in area with open sky



Step 2: Check Signal Strength

Make sure you have several signal bars during use.



Step 3: Keep Antenna Up

Hold radio above shoulders and vertical when in use



Step 4: Keep >1.5m Distance

Maintain a minimum of 1.5m distance between radios to avoid interference.



Step 5: Press & Hold PTT Button

Press and hold PTT button continuously to initiate and transmit voice. Release when finished.



Step 6: Listening to PTT

Keep antenna elevated above shoulders and vertically oriented. Do not press PTT button until talker releases button to open channel.



Step 7: Carrying PTT Device

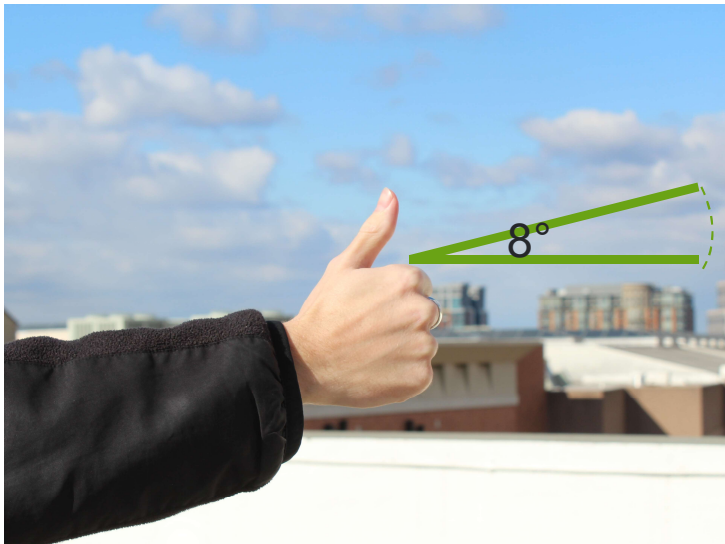
When using a carry holster, make sure to keep the device antenna elevated above shoulders and vertically oriented.

- If hand carrying device, keep antenna up and elevated away from body or set down in open area with antenna up.



STEP 1: SITE SURVEY

- 8° Test – Extend arm out slightly elevated at an 8° angle
- Rotate body 360° with arm extended out, any objects in your line-of-sight could degrade service





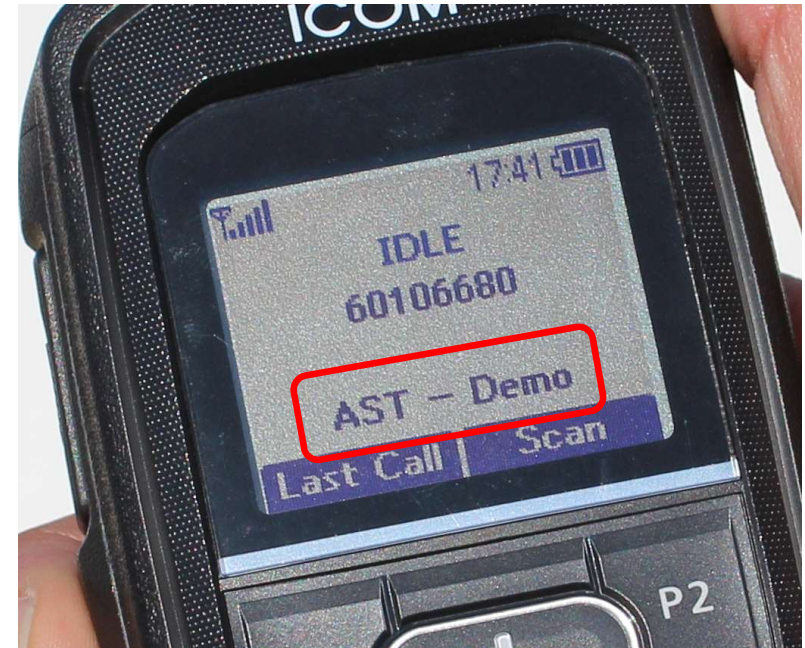
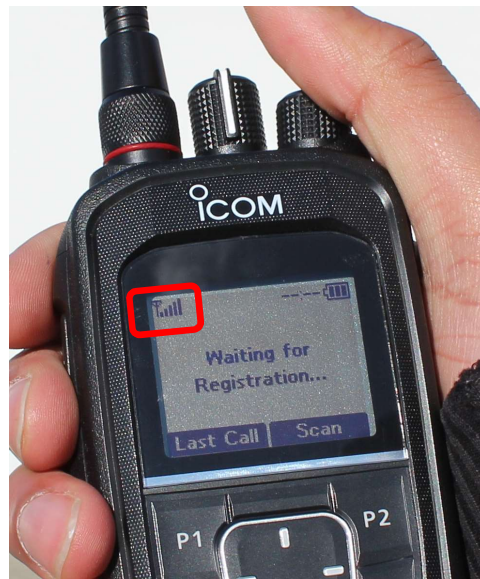
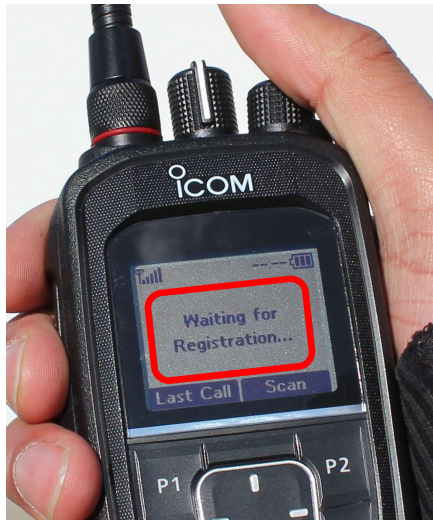
STEP 1: SITE SURVEY

- Identify potential obstructions
- Goal is to ensure you have maximum view of the sky
- Attempt to move away from any buildings/objects that may be in the way



STEP 2: TURN ON THE DEVICE

- Wait up to 30 seconds for registration
- Check signal strength
- Confirm you are in the correct talkgroup



STEP 3: CORRECT BEHAVIOR – SPEAKING

- Hold device directly in front of face with antenna facing the sky
- Recommended to be used with an Iridium shoulder harness accessory (palm mic not required for use)
- When speaking, if the antenna is not vertically oriented and above your shoulders, you may experience service degradation





STEP 3: INCORRECT BEHAVIOR – SPEAKING

- If the antenna is facing sideways or below your shoulder blocking can occur, which results in service degradation.





STEP 4: CORRECT BEHAVIOR – RECEIVING TRANSMISSION

- When not speaking, antenna should continue to be facing up towards the sky
- If using a PTT shoulder harness, make sure the antenna is above your shoulders



STEP 4: INCORRECT BEHAVIOR – RECEIVING TRANSMISSION

- Service will be degraded if the device is:
 - Facing sideways
 - Holstered to a belt
 - Held at any direction not facing the sky
- Shoulder harness that do not have the antenna facing upwards are not recommended
- In certain instances your body can block the signal between the antenna and the satellite



STEP 4: USING THE PTT BUTTON

- Press and hold PTT button for complete duration of spoken transmission – only release PTT button when you have finished speaking
- First transmission can take up to 2 seconds to initiate – service will perform nominally after this (approx. 500ms latency)
- Keep communications brief, ideally 20 seconds or less – voice fade can occur as you reach 40 seconds of speaking
- Do not press PTT button if you are in listening mode, this means someone else is currently speaking



IDENTIFYING POTENTIAL ISSUES - PROXIMITY

- Devices must be at least 1.5 meters away from each other when in use
- Use in a closer range may result in service degradation





IDENTIFYING POTENTIAL ISSUES – ANTENNA POSITION

- Antenna must be facing towards the sky throughout the duration of the PTT session
- If the device is at waist level, harnessed to your belt, or facing **ANY** direction other than directly upwards, you may experience service degradation

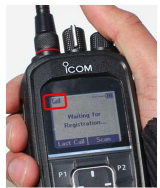


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