

## Requirements for deployment

- 3 m (10 ft) collapsible whip antenna, tape whip antenna, or knock-down whip antenna
- earth lead with clip and plug, or counterpoise

## Antenna selection

The tape and knock-down whip antennas are suitable for communication over short distances up to 100 km (60 mi), using frequencies of 3–30 MHz.

The 3 m (10 ft) collapsible whip antenna is suitable for communication over short to medium distances up to 500 km (300 mi), using frequencies of 2–30 MHz.

## Deploying a tactical whip antenna

To ensure optimal transceiver performance and to avoid exposure to excessive electromagnetic fields, the antenna system must be deployed according to the instructions provided.

To deploy a tactical whip antenna:

**NOTE** Select a site that is clear of overhead power lines and other electrical interference.

**WARNING** Do not deploy or use the antenna if there is lightning in the area.

- Straighten the antenna.
- Switch off the transceiver.
- Screw the antenna onto the antenna stud (⚡) on the front panel.

- To use an earth lead:
  - Plug the earth lead into the earth terminal (⚡) on the front panel.
  - Clip the other end of the earth lead to a large metal object, e.g. shed, vehicle, fence post.
- To use a counterpoise:
  - Lay out the counterpoise, forming a cross.
  - Prop the transceiver against a suitable support in the centre of the counterpoise.
  - Plug the wire from the counterpoise into the earth terminal (⚡) on the front panel.
- Switch on the transceiver.
- Select a channel, then press PTT to tune.
- Ensure that the internal antenna tuner is activated (⚡ **ATU/50** or ⚡ **ATU**).

**WARNING** High RF voltages are present during transmission and tuning. Do not touch the antenna during these activities.

- Orient the antenna vertically for medium-distance communication on any suitable frequency, or horizontally for short-distance communication on frequencies less than approximately 6 MHz.

**WARNING** You should not transmit from your transceiver or tune the antenna unless people are standing beyond the safe working distance of 0.6 m (2 ft) from the antenna.

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## ***Packing up a tactical whip antenna***

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To pack up a tactical whip antenna:

- Switch off the transceiver.
- Unplug the earth lead or counterpoise from the earth terminal, wind up, then stow.
- Unscrew the antenna from the antenna stud.
- Fold the antenna, secure with velcro (if fitted), then stow.