

# 2110 Manpack Transceiver Tactical Antennas

Codan provides a range of antenna solutions to accommodate the different needs for mobility, quick deployment, and short/long range communications.

## TACTICAL WHIP ANTENNAS

Operating with the built in antenna tuner of the transceiver, the whip antennas are suitable for communications over short distances.

Made from lightweight materials, the whip antennas are designed to be foldable or collapsible and easily stowed. They enable rapid set up and deployment.

Available in lengths of 1.5 m (5') or 3 m (10'), the shorter length whip antenna is more suitable for communications while on the move,

while the longer length provides improved performance.

All Whip Antennas attach to the transceiver with a flexible gooseneck, allowing the antenna to be oriented horizontally or vertically independent of the transceiver position.



2110 with Tape Whip Antenna



3 m (10') Collapsible Whip Antenna

## TACTICAL LONG WIRE ANTENNA

With its 10 m (30') length the tactical long wire antenna provides improved communications performance compared to the shorter whip antennas. It is designed for communications over short to medium range distances.

The long wire antenna is provided in an ultra lightweight kit consisting of kevlar reinforced antenna wire, an

adaptor for connection to the internal antenna tuner of the transceiver, a winding spool with a halyard rope, and a Quick Reference card with deployment instructions.

Using a suitable structure (like a tree), the long wire antenna can be deployed in a manner of minutes and enables operation between 1.6 MHz and 30 MHz.



Long Wire Antenna kit

## TACTICAL DIPOLE AND BROADBAND ANTENNAS

Superior communications performance can be achieved by using a broadband or dipole antenna. These antennas are provided as complete kits with halyard ropes, kevlar reinforced antenna wire on winding spools, all necessary adaptors, baluns, terminations, earthing wire, anchor pegs, and Quick Reference cards with deployment instructions.

The broadband antenna is well suited to multi-frequency operation including ALE. The dipole antenna provides the best performance on a single frequency.

The dipole antenna is tuned to the required frequency by adjusting the length of the antenna wire that is in use. The 2110 transceiver displays the required dipole antenna length for a given frequency, and the brass markers attached to the antenna

wire at regular intervals allow easy measuring of the required antenna length even when deploying the antenna in the dark.



Broadband Antenna kit

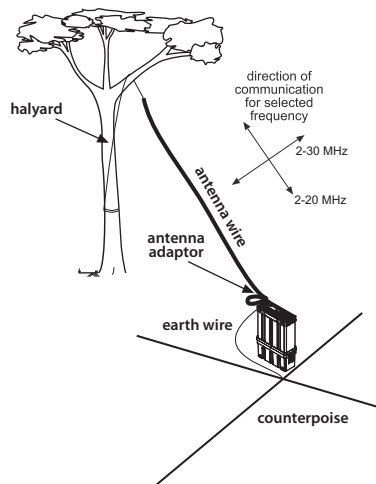
## SELECTION CRITERIA

When selecting the antenna for use with the 2110, consideration must be given to communication distance, the installation requirements and antenna performance.

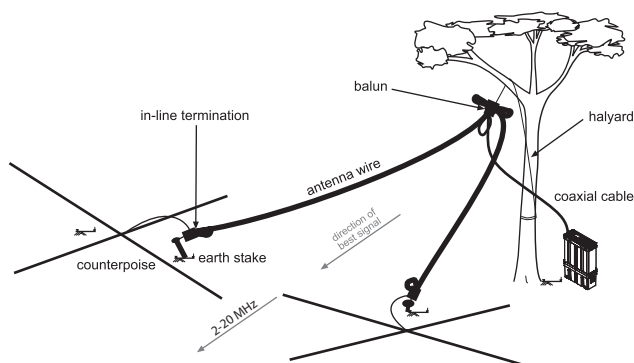
Part Number	Antenna	Frequency Range	Communication distance to Base (km)			Effort to Install	Performance
			0–100	100–500	500+		
15-00453	Tape, 1.5 m	3–30	✓			Minimal	Adequate
15-00459	Knock Over Whip, 1.5 m	3–30	✓				
15-00452	Collapsible Whip, 3 m	2–30	✓				
15-00454	Long Wire and Adaptor	1.6–30	✓	✓	✓		
15-00458	End-fed Broadband	3–30	✓	✓	✓		
15-00456	Broadband Dipole	3–30	✓	✓	✓		
15-00455	Wire Dipole	3–30	✓	✓	✓	Moderate	Superior
15-00457	Dipole and Broadband kit	2–30	✓	✓	✓		

## ANTENNA INSTALLATION

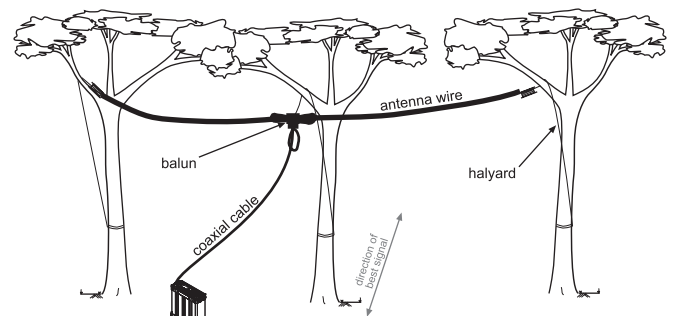
### Long Wire Antenna



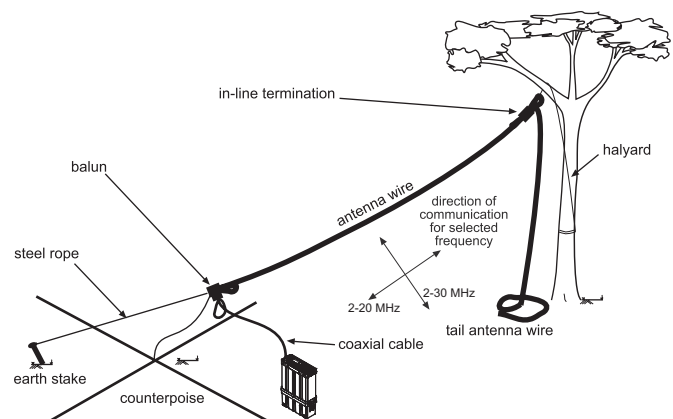
### Broadband Dipole Antenna



### Wire Dipole Antenna



### End-fed Broadband Antenna



Equipment descriptions and specifications are subject to change without notice or obligation

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