

Delta Loop Antenna (TDLS)

The Delta Loop Antenna (TDLS) is a portable, multi-mode antenna system designed for versatile communication.

It includes two tactical dipole antennas covering 2-12MHz and 12-30MHz, configurable as a directional wideband loop antenna with up to 7dBi forward gain.

The system comes with essential components like low-loss cables, balun transformers, and ground anchors for easy set up. It can be mounted on natural objects such as trees, with optional support masts available from SMC Group. Featuring drab olive or matte black finishes for stealth, the TDLS packs into a single kit bag for effortless transport and rapid deployment in field operations.



Balun Transformer

Key Benefits:

- Versatile
- Multi-mode
- Balun transformers
- Ground anchors
- Complimentary support masts



Technical specs	Information
Frequency range	3-30MHz (up to 60MHz with degraded polar diagram)
Power rating	Rx-1kW PEP
Polarisation	Dipole: Horizontal Delta: Mainly horizontal with vertical components
Gain	Up to 7dBi (Delta) at 12MHz
VSWR	2.0:1 Average
Impedance	50ohms unbalanced
Input connector	N
Feeder cable	Low loss URM67, fitted strain relief

Mechanical specs	Information
Packed dimensions	0.55m x 0.55m x 0.1m (1kw version)
Packed weight	32kg (1kw version)
Site requirement	Dependent on configuration
Deployment time	5-15 minutes
Antenna elements	PVC covered Kevlar TCW braid, drab olive
Load	Cast aluminium housing
Balun transformers	GRP housing, aluminium spinnings, drab olive
Fittings	Stainless steel, all blackedised

