

ANT42D

DIPOLE ANTENNA

The Telewave.io ANT42D is a rugged, high-performance single dipole antenna designed for VHF lowband services, including public safety, utilities, paging links or military communication. This antenna provides 8.5 MHz bandwidth with no tuning required, and multiple elements can be stacked for increased gain and pattern control.

Each antenna is constructed with 6061-T6 aluminum, and is welded at the base to a solid, machined aluminum mounting block for maximum strength. A massive 3.5" diameter boom provides exceptional strength.

Each antenna is also completely sealed with our high-tech Txytan™ coating, which resists water and ice buildup, and provides exceptional protection from corrosive gases, UV radiation, salt spray, acid rain and windblown abrasives.

ANT42D antennas include ANTC482 mounting hardware which will accommodate a 1.5"-3.5" diameter galvanized steel support pipe or tower leg. One ANTLBB element support boom with all required clamps is also included.

Due to the size and potential wind loading of this antenna, tower side mounting is recommended.



NOTE: THIS ANTENNA IS SHIPPED VIA TRUCK FREIGHT ONLY

| SPECIFICATIONS | |
|----------------------------|---|
| Frequency (continuous) | 38.5-47 MHz |
| Power rating (typ.) | 500 watts |
| Impedance | 50 ohms |
| VSWR | 1.5:1 or less |
| Pattern | Offset circular |
| Lightning protection | DC Ground |
| Termination | N-Male or 7-16 DIN (opt.) on harness feed cable |
| Gain (typ.) | 2.5 dBd |
| Vertical beamwidth | 78 degrees |
| Horizontal beamwidth | 180 degrees |
| Dipole dimensions (H x W) | 126 x 9 in. |
| Boom dimensions (L x Dia.) | 78 x 3.5 in. |
| Weight (antenna + clamps) | 41 lb. |
| Dipole spacing from tower | 69 in. |
| Wind rating / 0.5" ice | 125 / 100 MPH |
| Maximum exposed area | 3.3 ft. ² |
| Lateral thrust at 100 MPH | 132 lb |

