

TP-150

DSNG Flyaway
Antenna System

Flyaway 1.5m, X, Ku & Ka bands

This user friendly, compact and light-weight antenna is available in X, Ku & Ka bands and can be operated globally controlled either by a local hand held interface or via a touch GUI screen making the TP150 simple to set-up and operate even in adverse weather conditions or hostile environments.

The light weight but sturdy tripod design includes a truly versatile HPA cradle which can accommodate a wide range of 3rd party amplifiers up to 400w in Ku band, neatly eradicating the need for long lengths of flexible wave-guide.

The main reflector is manufactured from high quality carbonfibre that employs a revolutionary spherical dowel locking mechanism to ensure perfect alignment.



- No tools required
- Carbon fibre reflector
- BUC mounting on elevation head
- Up to 400W Tx power
- Manual overrides on all axis
- X, Ku and Ka band
- Pointing assist
- Auto-acquire
- Tracking controller
- Quick connect waveguide couplers

AIM Assist

A powerful, accurate and smooth positioning system precisely points the antenna at the push of a button and stows it after use ready to be packed away into the robust but light and weatherproof packing cases.

The Holkirk AIM antenna controller uses high accuracy feedback and a sophisticated pattern recognition algorithm to confirm and refine its heading information using visible satellites.

The system is very easy to assemble using no tools in only a couple of minutes with a fast acquisition time of typically less than 3 minutes from hitting the deploy button.

Technical Information

Antenna

Reflector material	Carbon fibre
f/D	0.8
Geometry	Single offset
Ambient Temp	
Operational	-20°C to +55°C
Storage	-40°C to +70°C
Solar radiation	1,200 W/m2
Operating humidity	100% condensing
Altitude	
Operational	3,000m (9,850 ft)
Survival	10,000m (32,800 ft)
Wind Speed	
Operational	30 mph (48kph)
Survival	60 mph (97 kph)
Azimuth range	Continuous 360° manual, ±90 auto
Elevation range	5 - 90°
Polaristaion	± 95°
Packaging	5 cases <23kg IATA

Electrical

X Band	
TX Frequency	7.9 - 8.4 GHz
RX Frequency	7.25 - 7.75 GHz
Gain TX	40.3 dBi
Gain RX	39.5 dBi
Ku Band	
TX Frequency	13.75 - 14.5 GHz
RX Frequency	10.7 - 12.75 GHz
Gain TX	45.5 dBi
Gain RX	43.7 dBi
Ka Band	
TX Frequency	27.5 - 30.0 GHz
RX Frequency	18.2 - 21.2 GHz
Gain TX	51.0 dBi
Gain RX	47.1 dBi

Accessories

Manual jog, auto-acquire or inclined orbit tracking controller
 | RF mounting options | High stability LNB | Sand Shoes

