

# KARBON-75



## 75CM KA-BAND FLYAWAY ANTENNA

The KARBON-75 is a high performance, lightweight and compact flyaway antenna for use Ka band HTS satellite platforms. It's ideal for use in rapid deployment applications such as Newsgathering and Disaster Recovery, and can be deployed without tools in a few minutes.

### Features

- ▶ 4 segment high efficiency offset carbon fibre reflector
- ▶ Single person deployable without tools in one minute
- ▶ Packs into a single 23Kg IATA-compliant case
- ▶ Battery powered with integrated modem and high powered dual band Wi-Fi

### Reflector

The precision engineered 75cm carbon-fibre segmented reflector is fitted with long life catches designed to maintain perfect surface accuracy even after repeated deployments.

### Packaging

The reflector segments, ETRIA, tripod mount and modem backpack all pack into a single padded case. Providing maximum protection with minimal added weight, the complete case weighs less than 23kg limit for checked baggage and complies with current IATA airline luggage regulations.

### Tripod & Mount

The tripod and antenna mount use a precision gimbal mount making the tripod easy to level and quick to point accurately.

### Interchangeable ETRIA and Wi-Fi/Modem backpacks

Both the integrated modem backpack and integrated ETRIA are easily interchangeable to ensure cross-compatibility with all current HTS Ka-Band platforms.

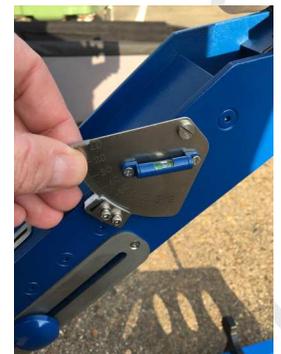


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## Deployment

Assembly is a straightforward one minute process requiring no additional tools.

- ▶ Remove the mount from the case and extend legs.
- ▶ Adjust the centre gimbal mount using built-in spirit level so that the mount is level.
- ▶ Fit reflector petals and attach battery pack.
- ▶ Preset satellite elevation on feed-arm inclinometer scale and correct antenna elevation to match.
- ▶ Using KaSat Pointer app connect to modem and put into "install" mode.
- ▶ Scan azimuth searching for telephone "beep".
- ▶ Use azimuth and elevation coarse and fine adjustments to peak signal.
- ▶ Allow terminal to complete automatic network log-in process.
- ▶ Prepare for your live transmission!



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ANTENNA SPECIFICATIONS	RECEIVE	TRANSMIT
Antenna:	4 Segment, 75cm carbon fibre reflector, Prime focus offset	
Operating Frequency:	18.3 - 20.2 GHz	28.1 - 30.0 GHz
TX Gain	45dBi (@29.75GHz)	
Antenna Pointing Range		
Elevation:	0° - 90°	
Azimuth:	120°	
Temperature:	-10°C to +50°C	
Wind Speed Max Operation:	75km/h (with ballast) 30km/h (w/o ballast)	



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