



KA-Sat Antenna

GC-Zero 70K

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Product Information

Who is it right for?

The Dawson GC-Zero 70K is for Broadcasters, Emergency Service Providers and Companies or any organisations with mobile data requirements. It can offer you remote VOIP and data connections at a range of bandwidths including full broadcast HD.



How does it work?

The antenna is fully automatic and it will find the correct satellite within two minutes of being deployed. Simply start up the 2U controller, which is supplied as standard and select the beam you require. You do not need a satellite engineer on hand as our software will do everything for you. However, if you do want to manage the antenna yourself manual control is also available. Through our network of partners we can also provide you with satellite capacity to keep you connected.

How easy is it to fit?

Our antenna is incredibly light and compact enabling hassle free installation to virtually any vehicle without any modifications, and once it's installed you don't need to worry about it. If you need to return your vehicle for alternative use the antenna can be simply removed without any damage caused.



What is the design and manufacturing quality?

Our reputation is based on the quality of the products we supply, and with this in mind we have manufactured our antennas to be light, flexible and easy to deploy as well as being robust in design ensuring they can cope with the toughest conditions in the field.

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Additional Facts



- Fully Eutelsat and Avanti type approved with certification.
- Our antennas are very fast, with an embedded micro processor. They boot up instantly and are the fastest pointing in the industry, between 1-2 minutes.
- 95% of our antennas are precision engineered and manufactured within 20 miles of the office to an exacting standard. They are accurate to within 0.2% with a 100% success rate over 500+ consecutive attempts.
- Our antennas are made from stainless steel and aluminium; our focus is on lasting value, longevity and quality whilst still maintaining a competitive market price.
- They are light weight yet rugged and robust. They can fit to almost any vehicle without modification and are designed for hostile environments where reliability is paramount.
- We offer many optional extras including DC convertors, wifi, video return via a TV antenna as well as purpose built roof rack systems, control systems and flat pack truck builds.



We'd love to talk with you to tell you more so please contact us for further information or take a look at the website for examples of our antennas.

We also know that some of you want to know all the technical specifications of the antenna which are listed right here for you.

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Specifications

Section	Item	Specification
Power requirement	Prime power	12V DC
Power consumption	Approx 50W	
Physical	Stow height	240 mm maximum
	Length x width	1150 mm x 800 mm
Weight	System weight	< 25 Kg roof mount < 4 Kg indoor equipment
	Pointing time	<1 minutes typical
Operation	Pointing system	Fully automatic Manual over ride and emergency stow
	Temperature (use)	Minus 50 to Plus 60 Centigrade
Environmental	Wind speed	72 Kph Operational 160 Kph Survivability
	Rain	Fully waterproof in use
	Antenna system	Aluminium and stainless steel
Construction	Reflector	ViaSat OEM part
	Base	Stainless steel frame
	Elevation range	10 – 90 Degrees fully motorised
Positioner	Azimuth range	200 degrees +/- fully motorised
	Polarisation range	Automatic switching of polarity
	BUC size	3 W standard ViaSat part
Performance	Data rate TX	100 Kb – 10 Mb
	Data rate RX	100 Kb – 40 Mb
	Antenna	
RF	Frequency	KaBand
	Approvals	Eutelsat KaSat / ViaSat 1
	Antenna size	75cm
	Feed	Circular Polarised KaBand



Dawson
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