

HUNTER FA-240

TWO CASES. NO TOOLS. MULTI-BAND
POWER IN UNDER TEN MINUTES.



The Hunter™ FA-240 is a rugged 8ft (2.4m) flyaway antenna that packs big-dish performance into two flight cases under 220lbs (100kg). It assembles without tools in under 10 minutes, swaps bands in seconds with quick-release feed cartridges, and stays stable on rough terrain with fully adjustable legs and zero-backlash, zero-back-drive gearing.

Run it manual or pair with the STC-100 for auto-acquire and tracking (including inclined-orbit). Carbon-fiber construction keeps weight down and the reflector true after repeated assemblies. Intelsat/Eutelsat compliant for commercial bands and WGS, SkyNet, XTAR, Inmarsat, MIL-STD-810 certified; GovSat registered.



UNDER 10 MINUTES, NO TOOLS

Fast field setup with zero-backlash gearing across three axes for precise points.



QUICK-SWAP MULTI-BAND FEEDS

Change frequencies in seconds via interchangeable cartridges (C/X, Ku, Ka; multi-port and Rx-only options).



TWO RUGGED CASES, <220 LBS TOTAL

Carbon-fiber reflector, feed arm, mount and even cases minimize weight without sacrificing strength.



FIELD-PROVEN COMPLIANCE

Intelsat/Eutelsat compliant; WGS, SkyNet, XTAR, Inmarsat and MIL-STD-810 certified; GovSat registered.

TECHNICAL SPECIFICATION

GENERAL

ANTENNA TYPE	Circular, axially symmetric with centre hub plus ten petals
DIAMETER	8ft (2.4m)
CONFIGURATION	Prime Focus
POLARIZATION	Linear or Circular
CROSS POLARIZATION	-35dB typically (feed dependent)
PORT-TO-PORT ISOLATIONS	90dB typical (with TRF)

TRANSMIT

TRANSMIT BANDS	FA-240/60	5.85 to 7.025GHz
	FA-240/70	7.9 to 8.4GHz
	FA-240/140	12.75 to 14.5GHz
	FA-240/180	17.3 to 18.4GHz
	FA-240/300	27.5 to 31GHz
POWER HANDLING	1.5kW max.	
VSWR	1.3:1 Typical	

RECEIVE

RECEIVE BANDS	FA-240/40	2.4 to 3.4GHz
	FA-240/60	3.4 to 4.2GHz
	FA-240/70	7.25 to 7.75GHz
	FA-240/140	10.7 to 12.75GHz
	FA-240/180	10.7 to 12.75GHz
	FA-240/300	17.7 to 22.2GHz

ENVIRONMENTAL

TEMPERATURE	Transportation & Storage	-40 to +158°F (-40 to +70°C)
	Operational	-4 to +140°F (-20 to +60°C)
	Optional low temperature pack	-40 to +140°F (-40 to +60°C)
PHYSICAL	MIL-STD-810 Certified	
HUMIDITY	100%	
ALTITUDE	14,763ft (4,500m)	
WIND RATING	Operational	37mph with gusts to 45mph (60km/h with gust to 72km/h)
	Survival (stowed)	75mph (121km/h)

POWER

POWER REQUIREMENT	90 to 264V AC Power Supply
-------------------	----------------------------

PHYSICAL

ELEVATION ADJUSTMENT	0 to 90°	
AZIMUTH ADJUSTMENT	+/-180°	
POLARIZATION ADJUSTMENT	+/-95°	
PACKED SIZE	Box 1	37.4 x 37.4 x 23.6 in (0.95 x 0.95 x 0.6m)
	Box 2	37.4 x 37.4 x 23.6 in (0.95 x 0.95 x 0.6m)
WEIGHT	Box 1	106 lbs (48kgs)
	Box 2	108 lbs (49kgs)
Weights above are for manual, baseline configuration		

FA-180/240/370 antenna feed cartridges

BAND DUAL PORT TX/RX FEEDS

C	Linear & Circular/Linear switchable
X	Circular & Low PIM option
KU	Linear Std band & Low band Ku linear
DBS	Linear & Circular
KA	Commercial band Linear & Circular Military band Linear & Circular

BAND SIMULTANEOUSE BAND TX/RX FEEDS

X/KA	4 port and 6 port feeds
------	-------------------------

BAND DUAL PORT RX ONLY FEEDS

S	Linear & Circular
C	Linear & Circular Extended band
X	Circular
KU	Linear & Circular
KA	Linear & Circular

MULTIPLE AMPLIFIER MOUNTING OPTIONS

Feed Integrated BUCS up to 100w or case mount with our innovative multiband feed arm for higher power and simultaneous feed systems. Custom designs available on request.