

# Cable2® Antenna Program for Headends

As a cable system operator, you are invited to join the **Cable2®** neighborhood of headends -- which collectively reaches over 61 million households (as of April 2003). Through this initiative, qualified system operators will receive an antenna package including a 3.8-meter C-band antenna with a dual satellite feed, four LNBS, interconnect cables, pipe mount -- at no charge, including shipping. If you have an antenna looking at the AMERICOM satellite at 103° (currently AMC-1), a free dual feed retrofit/upgrade package will be provided so you can also see the satellite at 101° West (currently AMC-4). Please read the enclosed application for terms and conditions.

Manufactured in the U.S.A., the Patriot 3.8m Prime Focus Antenna System features a variety of heavy-duty mounts and a solid aluminum reflector which is powder-coated for superior protection against the elements. Stainless steel hardware is also available. The reflector consists of 16 draw die formed petals and achieves a .020" surface accuracy. The contoured petals with matched radial beams and hub assembly ensure easy installation without field alignment.

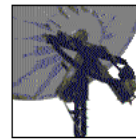
For more information, please contact Joan Fu: tel +1-609-987-4308, fax +1-609-987-4495; e-mail [joan.fu@ses-amicom.com](mailto:joan.fu@ses-amicom.com).

## Patriot Antenna Systems PRT-380

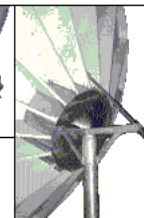
Specifically designed for FCC Spec. 29-25 Log 0 for 2° Spacing



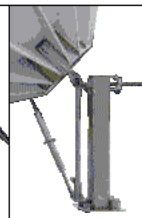
RF Specifications	C-Band	Ku-Band	
Frequency	3.7 - 4.2 GHz	10.95 - 12.75 GHz	
Midband Gain	42.4 dBi	52.1 dBi	
Cross Polarization	> 35 dB	> 35 dB	
Beamwidth	1.3°	.45°	
VSWR	1.3:1	1.3:1	
Antenna Noise @ 30° EL	25 K	21 K	
Typical G/T (Midband) with 50 K LNA with 70 K LNA	23.0 dB/K	31.5 dB/K	
Feed Interface	CPR229	WR75	
Mechanical Specifications	Az-El Head	Kingpost	Navigator
F/D Ratio	.413	.413	.413
Focal Distance	61.8 in.	61.8 in.	61.8 in.
Azimuth Travel	360° Continuous	132° Arc	132° Arc
Elevation Travel	0° to 90°	10° to 90°	10° to 90°
Polarization Travel	± 90°	± 90°	± 90°
Total Weight	705 Lbs.	648 / 725 Lbs.	797 Lbs.
Crate Dimensions	87x36x30 in.	87x36x30 in.	87x37x43 in.
Units per 40 ft. Container	39 units	21 units	27 units
Environmental Specifications			
Wind Load	Operational Survival	60 mph 125 mph	
Temperature	Operational Survival	-40° to 140° F (-40° to 60°C) -60° to 180° F (-51° to 82°C)	
Radial Ice	Survival	1" or 1/2" + 60 mph	
Shock & Vibration	As occurred during one shipment of air, truck, or rail		



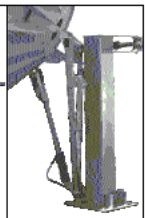
Horizon to Horizon  
PRT-380HH



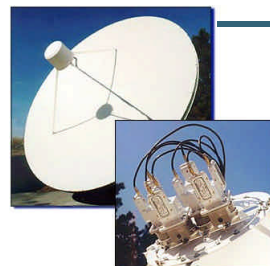
Az-El Fixed  
PRT-380AZ



Fixed Az-El Kingpost  
PRT-380AZKP



Dual Axis  
Motorized Kingpost  
PRT-380DAKP



### Dual-feed retrofit/upgrade package

- designed for ease of installation and maximum flexibility
- discreet azimuth, elevation, focal length and polarization adjustments
- simultaneous reception from adjacent satellites
- factory pre-set; look angles provided to speed alignment
- system includes support struts, feed plate assembly, feed horns and cover.

## SES AMERICOM Satellites With Dedicated North American Capacity

