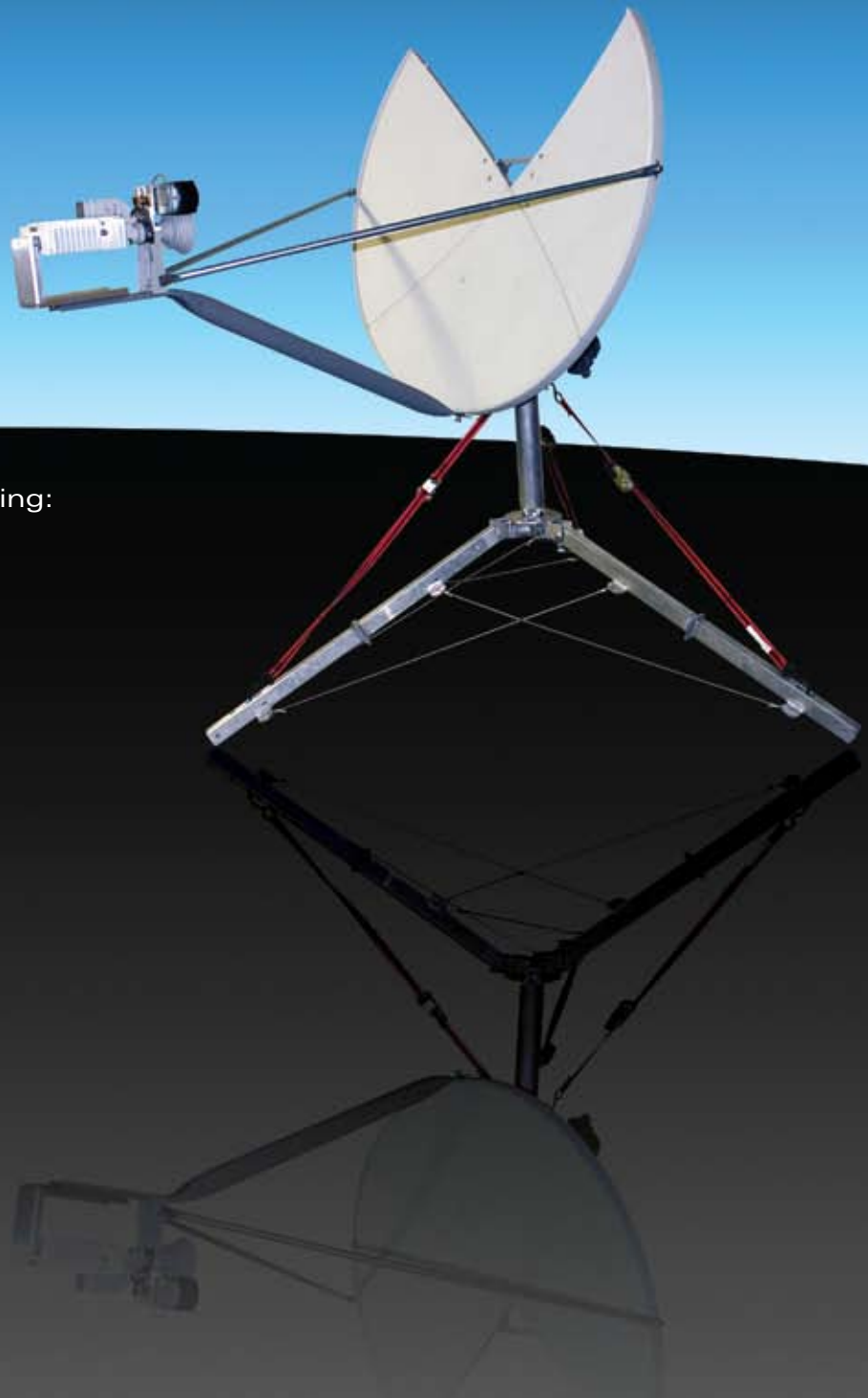


## **SPA™.120F**

SPA Fly Away Unit

The Choice for Oil/Gas Services and  
other remote location facilities, including:

- Emergency/Disaster Response
- Government/Rural Services



# SPA™. 120F

## SPA Fly Away Unit

Maintain Critical Voice/Data Communications in Harsh/Remote Locations.

Winegard's introduction of the SPA system as a low cost, yet very rugged and reliable, solution to the fixed VSAT industry's need for automation has allowed system integrators to provide their customers with options not available to them in the past without having to consider physical intervention from technicians in the field in their network roll out planning.

While the options made available to network engineers by the SPA systems are vast, some of the more common ones are access to on demand low cost inclined orbit bandwidth as well as large scale repointing of VSAT networks.

The SPA system opened a new world of possibilities to network operators and out of that new, forward, way of thinking, came the demand for portability.

Winegard has introduced the SPA F series to meet this demand and in the process, has innovated a whole new arena for satellite based communications with new options for mobile hubs and mesh networks that are easily deployed and relocated depending on the situation's requirements.

The SPA F is available in sizes from .96, 1.2 and up to 1.8 meter. The complete system was engineered with drop ship and deployment by non-technical field personnel in mind. The SPA F system includes a segmented reflector, low weight pointing mechanism and easily deployed tripod system capable of overcoming rugged, unlevel ground obstacles field personnel may encounter in the situations calling for this type of system.

All SPA F components (reflector, tripod, pointing mechanism, controller and modem) fit into a 3 case, custom molded fit, system capable of being checked on any airline as baggage.

With the introduction of the SPA F system, Winegard has made the deployment of low cost, on demand fly away VSAT communications a possibility.



SPA 120F rear view



SPA 120F Kit

### ACCESSORIES

- » Segmented Reflectors
- » Articulating Tripod
- » Flyaway Ready In 3 cases

## TECHNICAL SPECIFICATIONS

### General Information

Multi-platform. . . . . iDirect, Comtech, LinkStar, HughesNet, etc.  
Accepts wide range of BUC sizes and manufacturers including NJRC, Codan, bracketing available  
Weight (Without Antenna, BUC and LNB). . . . . 39lbs  
Control Protocol. . . . . Bluetooth  
Polarization. . . . . Cros-Pol

### Connections And Cabling

Transmit (Tx) . . . . . RG6 60' (18.25m)  
Receive (Rx) . . . . . RG6 60' (18.25m)  
Electrical Data Interface. . . . . RG6 60' (18.25m)

### Reflector Specifications

Available in .96, 1.2 and 1.8 meter ASC Reflectors

### Range Of Motion

Elevation . . . . . 12 to 93 Degrees  
Azimuth . . . . . 342 Degrees  
Skew (Polarization) . . . . . 90 Degrees

### Environmental

Wind Operational. . . . . 50 mph  
Wind Survival . . . . . 125 mph  
Temperature, Operational. . . -40°F to 122°F (-40°C to +50°C)  
Temperature, Survival. . . . -58°F to 176°F (-50°C to +80°C)

### Deployment Sensors

Global Positioning Satellite (GPS)  
Compass . . . . . +/- 10 Degrees  
Tilt Sensors . . . . . +/- .5 Degrees

### Power Requirements

AC Input. . . . . 100-250V 3A Max 47-63Hz  
DC Output . . . . . 48V 25A Max

### Acquisition Speeds

Deploying Elevation. . . . . 6.44 Degrees / sec  
Stowing Elevation . . . . . 6.44 Degrees / sec  
Deploying Azimuth. . . . . 2.25 Degrees / sec



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