Kestrel - Falcon III Radio Power Adapter / Charger (AN/PRC-117G)
The new Iris Technology Radio Power Adapter for the Falcon III (AN/PRC-117G), the Kestrel, is scheduled to debut at JSPE. This adapter is built upon a heritage of successful devices servicing the SINCGARS and Falcon product lines. The Kestrel can be powered from both DC and AC sources, houses and charges full size BB-2590/U batteries, and is interoperable with StarPower. Planned availability for this adapter and selected radio accessories is 2Q09.
The **Kestrel** adds to the family of alternative power adapters from Iris Technology, leveraging the high performance of PAC-216, PAC-24V and VB-90.

- Power from AC or DC sources
- UPS & Power conditioning
- Internal full capacity battery
- Built-in battery charger
- 26V Amplified speaker output
- Vehicle mounts and Accessories
Kestrel Heritage

- AN/PRC-117F
  - PAC-24V

- AN/PRC-119D
  - PAC-216/U

- AN/PRC-119F
  - VB-90
Kestrel AC/DC Adapter

- (radio not included)
Side View
Specifications

- **Electrical**
  - AC Input: 95-265 VAC; 47-440Hz
  - DC Input: 9-36 VDC
  - DC Output: 24VDC @ 4.5amps

- **Environmental**
  - Operating Temp: -30° C to 70°C
  - Storage Temp: -50° C to 70°C
  - Operating Alt: 27,000 ft.
  - Storage Alt: 55,000 ft.
  - Humidity: 95% relative

- **Physical**
  - Size: 3.2”H x 7.2”W x 7”D
  - Weight: 2.7lbs / 6.6lbs w/battery

- **Battery Types**
  - Rechargeable Lilon: BB-2590 / UBI-2590
Vehicle Mount
StarPower Interoperable

- Operate from Solar / Vehicle / AC Sources
<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
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</thead>
<tbody>
<tr>
<td>Separate AC and DC Power Supplies and Cables</td>
<td>Buy only what you need; Carry only what you need</td>
</tr>
<tr>
<td>Uses full-size 2590 series battery</td>
<td>Common logistics item; Three times the runtime from high reserve energy battery (6.2 A-Hr v 2.0 A-Hr)</td>
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<td>Operates with BB-2590 and UBI-2590</td>
<td>This is a growth option as the unit can operate from and recharge both types</td>
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<tr>
<td>Compatible with installed base of RMT-2 Mounts</td>
<td>Buy only the adapter plate</td>
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<tr>
<td>International AC Power Supply</td>
<td>Operate successfully anywhere in the world including aircraft operation</td>
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<tr>
<td>Independent charging of both battery cells</td>
<td>Positive recharge of each battery cell</td>
</tr>
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Accessories

- Powered Speaker
  - In development
- Vehicle Mounts
  - New, Dedicated Mount
  - MRC RMT-2 Adapter
- 2590 Series Batteries
- StarPower Cable
Pricing and Availability 2Q09
- Kestrel being added to GSA Contract
  - Iris Technology Corporation / GS-07F-0131N
Questions

- Equipment on display in Booth 314