L3’s accessory kits for the ROVER® 6 family of transceivers enable many additional powerful features that can be tailored to your application, ensuring mission success. Reliably configure your system with the right power, antenna and computing options to meet your needs.

**Key Features**

- Rugged and flexible power options
- Time-tested omnidirectional antennas for full-motion video (FMV) operation
- Enhanced directional Ku-Band antenna for dramatically improved range, with integrated RFE for full-duplex operation
- Enhanced omnidirectional C-, S-, and L-Band antennas with improved performance in radio-dense environments
- Integrated transmit capability for multiband network operation
Transceiver Base Kit for ROVER® 6, 6i and 6x

L3’s ROVER® 6 base kit is the place to start for your customized mission system. It includes the transceiver, power options, cables, adapters and transit case needed with any antenna option. Featured in the base kit is the Dual Output Battery Eliminator (DOBE) that provides sufficient conditioned power for both the ROVER® transceiver and any of the available antenna assemblies in a color-matched, ruggedized form factor.

<table>
<thead>
<tr>
<th>Base Kit Major Components</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROVER® transceiver</td>
<td>1</td>
</tr>
<tr>
<td>Mounting kit (angle bracket, mounting feet and screws)</td>
<td>1</td>
</tr>
<tr>
<td>Transit case</td>
<td>1</td>
</tr>
<tr>
<td>Mission data interface cable (Ethernet, etc.) with bypass switch</td>
<td>1</td>
</tr>
<tr>
<td>Dual Output Battery Eliminator (DOBE)</td>
<td>1</td>
</tr>
<tr>
<td>DOBE input cable</td>
<td>1</td>
</tr>
<tr>
<td>120&quot; TNC coaxial cable (for receiver use)</td>
<td>2</td>
</tr>
<tr>
<td>6&quot; Cat-5 Ethernet cable</td>
<td>3</td>
</tr>
<tr>
<td>Triax-to-BNC video adapter</td>
<td>2</td>
</tr>
<tr>
<td>72&quot; BNC-to-BNC video cable</td>
<td>1</td>
</tr>
<tr>
<td>BNC-to-phono video adapter</td>
<td>1</td>
</tr>
<tr>
<td>Battery box</td>
<td>1</td>
</tr>
</tbody>
</table>

**Dual Output Battery Eliminator (DOBE)**
- Two 50 W channels of regulated power: sufficient for both the ROVER® transceiver and any of the integrated antenna assemblies
- 95 VAC to 265 VAC, 47 Hz to 440 Hz input
- 11 VDC to 36 VDC input
- MIL-STD-810F ruggedized

**Mission Data Interface Cable**
- Two 100 Base-T Ethernet interfaces (User and Maintenance)
- GPS (RS-232)
- Encryption bypass switch

**User-Based Options**
The ROVER® 6 base kit can be supplemented with a laptop or tablet PC preloaded with L3’s FlightLens® software. The computer kit also includes flexible and ruggedized power options optimized for use with the ROVER® kit.
Receiver Omni Antenna Kit

The game-changing ROVER® mission, which provides ground commanders with reliable high-quality FMV received directly from the transmitting aircraft sensor in real time, has been completely enabled by these integrated receive antenna assemblies. These highly effective assemblies are battlefield proven and have been in service since 2003. The two antenna assemblies shown below cover all four frequency bands commonly used for ISR worldwide.

<table>
<thead>
<tr>
<th>Rx Omni Antenna Kit Components</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLS omni antenna</td>
<td>1</td>
</tr>
<tr>
<td>Ku omni antenna</td>
<td>1</td>
</tr>
<tr>
<td>TNC 90-degree angle adapter</td>
<td>1</td>
</tr>
</tbody>
</table>

**CLS Omnidirectional Antenna Assembly**
- Integrated low-noise amplifier
- Out-of-band interference rejection filtering
- Maximum antenna gain: 0 dBi L-Band, 1.5 dBi S-Band, 2 dBi C-Band
- Linear vertical polarization
- Total gain > 30 dB
- Noise figure < 3.7 dB (C-Band), < 3.5 dB (L/S-Bands)
- Integrated/automatic band switching
- 4.40 GHz to 5.85 GHz
- 2.200 GHz to 2.500 GHz
- 1.625 GHz to 1.850 GHz

**Ku Omnidirectional Antenna Assembly**
- Integrated low-noise amplifier
- Maximum antenna gain: 1 dBi
- Right-hand circular polarization
- Total gain > 30 dB
- Noise figure < 2.5 dB
- 14.40 GHz to 15.35 GHz

CLS Elevation Gain Pattern
Ku Elevation Gain Pattern
Enhanced Transmit/Receive Antenna Kit

Offered antennas have been further enhanced with integrated transmit capability, which transforms the traditional ISR area of operation to a connected and robust battlefield network. Each antenna in this kit has proven innovative performance to operate dependably in today’s complex radio spectrum environment.

<table>
<thead>
<tr>
<th>Enhanced Antenna Kit Components</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enhanced CLS transmit/receive antenna</td>
<td>1</td>
</tr>
<tr>
<td>Ku directional antenna (KuDA) on-the-move</td>
<td>1</td>
</tr>
<tr>
<td>Dual battery box</td>
<td>1</td>
</tr>
<tr>
<td>Antenna control interface cable</td>
<td>1</td>
</tr>
<tr>
<td>120° TNC coaxial cable (Receiver use)</td>
<td>1</td>
</tr>
<tr>
<td>120° N coaxial cable (Transmitter use)</td>
<td>1</td>
</tr>
</tbody>
</table>

### Enhanced CLS Omnidirectional Antenna Assembly
- Integrated SSPA, low-noise amplifier, band-pass filtering
- Maximum antenna gain: 0 dBi L-Band, 1.5 dBi S-Band, 2 dBi C-Band
- Linear vertical polarization
- Total gain > 30 dB
- Noise figure < 5.2 dB (C-Band), < 4.2 dB (L/S-Bands)
- Transmit or receive (not simultaneously)
- Output power 29 dBm (at antenna feed)
- Integrated/automatic band switching
- 4.40 GHz to 5.85 GHz (Rx only)
- 2.025 GHz to 2.500 GHz
- 1.625 GHz to 1.850 GHz

### On-the-Move Ku Directional Antenna Assembly
- Automatically track target platform
- Integrated inertial motion sensor to permit tracking even while the unit is in motion
- Integrated SSPA, low noise amplifier, diplexer
- Maximum antenna gain: 16 dBi
- 15° half-power beamwidth (elevation)
- Right-hand circular polarization
- G/T -13.5 dB/K (min)
- Output power 49 dBm EIRP at peak
- 14.40 GHz to 14.83 GHz receive
- 15.15 GHz to 15.35 GHz transmit

### Dual Battery Box
- Accommodates two BA5590-series batteries
- Powers ROVER® transceiver and antenna assembly

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