The RF-6760W Wireless Message Terminal provides transparent delivery of email, files, and images across multiple transmission media, including HF/VHF/UHF radio, LANs, landline, microwave, and satellite. The software package integrates Harris-developed robust data transmission techniques with Commercial-Off-the-Shelf software for fast and reliable information transfer. The RF-6760W can also connect to an Ethernet-TCP/IP local area network and operate as a wireless messaging gateway.

The RF-6760W user generates email messages using a SMTP/POP3-compliant mail client, such as Microsoft® Outlook® or Outlook Express. The RF-6760W automatically routes messages over the proper radio or landline link, sending them to the final destination by adaptively selecting the best available channel. It will also automatically relay messages through an alternate route if the first route is blocked.

For HF use, the software allows one of two protocols/waveforms to be used on the air. STANAG 5066 is the second generation NATO interoperability standard. Use of this standard ensures coalition interoperability. Use of the STANAG 5066 protocol also allows for compatibility with the HF Global Communications System (HFGCS), which manages the U.S. Air Force SCOPE Command Program. STANAG 4538 is the third generation interoperability standard that provides high performance ALE and data link protocols using Harris FALCON II® HF radios.

When a link is disconnected during the transfer of a message, the RF-6760W resume messaging feature will allow messages to resume, sending from the point of failure when the transfer is retried. This functionality is particularly useful when sending large messages under variable channel conditions.

The RF-6760W features a Windows-based STANAG 5066 IP Client, providing the ability to transfer IP data using radios that do not have an embedded IP capability. The IP Client is fully integrated with the Wireless Message Terminal for simple setup and operation.

Using the new pull messaging feature, RF-6760W users have the ability to configure and preview email message header information prior to downloading the entire message. Pull messaging offers control over what messages to download to the local terminal, and prevents transmission of non-critical messages.

The RF-6760W also includes Harris Imager, a digital imaging application that provides all of the image manipulation and compression features of the Harris Universal Image Transmission Software (HUITS).
### Specifications for the RF-6760W

#### Features
- Seamlessly transmits and receives email over HF/VHF/UHF radio, LAN, microwave, satellite, or landline media
- Supports STANAG 5066 and STANAG 4538 protocols
- STANAG 5066 IP Client enables IP communications using non-IP-equipped radios
- Accommodates a variety of cryptographic devices for enhanced security
- Fully automated setup and tear-down of Automatic Link Establishment (ALE) links using Harris FALCON II® radios (MIL-STD-188-141B and STANAG 4538)
- Ability to configure and view message headers using pull messaging
- Ability to configure and resume failed messages from the point of failure

#### Operating System
- Windows XP Professional (SP2)
- Windows 2003 Server
- Windows 2000 Professional (SP4)
- Windows 2000 Advanced Server
- Windows XP Tablet Edition
- Windows Vista™

#### Mail Server
- Gateway functionality requires SMTP/POP3 mail server on RF-6760W PC or on Local Area Network

#### Other
- Asynchronous serial port (two ports with external modem), Ethernet adapter, PCI or PC card (PCMCIA) slot

#### Harris Equipment Interface

<table>
<thead>
<tr>
<th>Radios</th>
<th>AN/PRC-152(C), AN/PRC-150(C), RF-5800H, RF-5800V, RF-5800V-HH, RF-5800M, AN/PRC-117T, AN/PRC-117G, RF-5800M-HH</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF Modems</td>
<td>RF-5710, RF-5710A, RF-7800M</td>
</tr>
<tr>
<td>Other Harris Equipment</td>
<td>RF-6010 Tactical Network Access Hub</td>
</tr>
</tbody>
</table>

#### Applicable Standards

<table>
<thead>
<tr>
<th>Local Area Networking</th>
<th>TCP/IP</th>
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</thead>
<tbody>
<tr>
<td>Automatic Link Establishment</td>
<td>MIL-STD-188-141B, STANAG 4538</td>
</tr>
<tr>
<td>HF Data Links</td>
<td>STANAG 5066, STANAG 4538 (if embedded in radio), FED-STD-1052 (if embedded in radio)</td>
</tr>
<tr>
<td>LOS Data Links</td>
<td>STANAG 5066</td>
</tr>
<tr>
<td>Mail Client/Server Interface</td>
<td>SMTP, POP3</td>
</tr>
</tbody>
</table>

#### Minimum PC Requirements

| CPU | 500 MHz for Windows 2000
- 1 GHz for Windows XP |
| RAM | 256 MB for Windows 2000
- 512 MB for Windows XP |
| Hard Disk | 80 GB |

#### Ordering Information

| RF-6760W-XXEN | CD Media |
| Where XX is | 02 includes PCMCIA synchronous card
- 04 includes PCI synchronous card
- 03 for asynchronous radio interface (no synchronous card included) |

#### Options

| RF-3577 | Series of Personal Computers |

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**Sample Application**

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