

## **RF-6705**

### **TACTICAL CHAT IP**

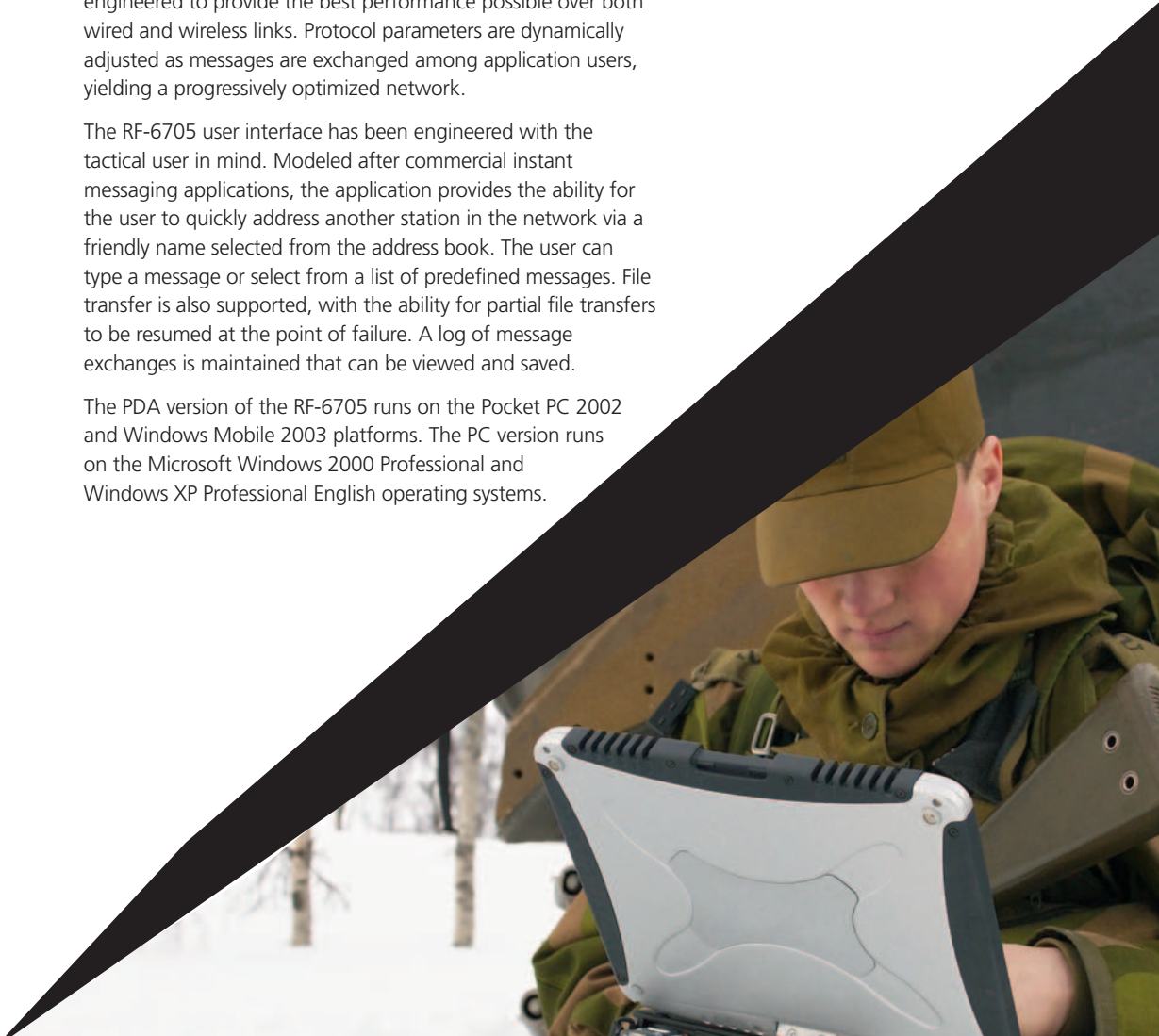
*messaging for PDAs  
and PCs*

The RF-6705 Tactical Chat IP software is an easy to use and configure data application that provides the ability to reliably exchange generic text messages and files among field and networked data terminals. The RF-6705 application supports both point-to-point (ARQ) and subnet-directed broadcast (non-ARQ) data transfer among the members of an IP subnetwork. By making use of the IP data capability of the RF-5800H, AN/PRC-150(C), RF-5800V-MP, RF-5800V-HH, or AN/PRC-117F, data can easily be exchanged between wired (e.g. Ethernet LAN) and wireless network users. The software runs on PDAs and PCs, and connects to the radio via an asynchronous RS-232 interface. No additional communications hardware is required.

The underlying communications protocol has been carefully engineered to provide the best performance possible over both wired and wireless links. Protocol parameters are dynamically adjusted as messages are exchanged among application users, yielding a progressively optimized network.

The RF-6705 user interface has been engineered with the tactical user in mind. Modeled after commercial instant messaging applications, the application provides the ability for the user to quickly address another station in the network via a friendly name selected from the address book. The user can type a message or select from a list of predefined messages. File transfer is also supported, with the ability for partial file transfers to be resumed at the point of failure. A log of message exchanges is maintained that can be viewed and saved.

The PDA version of the RF-6705 runs on the Pocket PC 2002 and Windows Mobile 2003 platforms. The PC version runs on the Microsoft Windows 2000 Professional and Windows XP Professional English operating systems.



**Features**

■ **Configuration and Deployment**

- Falcon II Radio Programming Application (RPA) file import
- Centralized address book maintenance
- Easily exchange configuration data with other stations
- Automatic discovery of LAN users
- Direct connection to LAN or Falcon II radio

■ **Message Generation**

- Select station from address book or specify IP address
- Define, select, and transmit predefined text messages
- Message composition via predefined message selection, keyboard entry (soft keyboard for PDA), or handwriting recognition (if resident on PDA device)
- Attach and transmit files, including images
- Save and view chat log

■ **Message Transmission**

- Automatic message compression
- Point-to-point (ARQ) and subnet-directed broadcast (non-ARQ) message transmission
- Resume failed file transfer from point of failure
- Automatic message logging
- Abort message transfer

■ **Supported Harris Equipment**

- RF-5800H with 10535-0775 cable
- AN/PRC-150(C) with 10535-0775 cable
- RF-5800V-MP with 10512-0775 cable
- RF-5800V-HH with 12011-0775 cable
- AN/PRC-117F with 10513-0710 cable
- RF-6010 over LAN connection

**Minimum PC Requirements**

<b>CPU</b>	Intel Pentium 500 MHz
<b>Operating System</b>	Windows 2000 Professional English Language Windows XP Professional English Language
<b>Memory (RAM)</b>	128 MB

**Hard Disk Display**

20 GB  
Super VGA color monitor with 800x600 resolution  
101-key keyboard, two button mouse  
One standard RS-232C serial port when connected directly to radio  
Ethernet connection when connected to LAN

**Input Devices I/O**

**Minimum PDA Requirements**

<b>CPU</b>	Intel StrongArm Intel XScale
<b>Platform</b>	Pocket PC 2002 Windows Mobile 2003
<b>Memory (RAM)</b>	64 MB
<b>Display</b>	240x320 color TFT
<b>Input Devices I/O</b>	Stylus One standard RS-232C serial port when connected directly to radio Ethernet connection when connected to LAN

Please consult with Harris concerning the compatibility of the RF-6705 software with your PDA.

**Applicable Data Protocols**

<b>HF</b>	STANAG 4538
<b>VHF</b>	Embedded Wireless IP Data Protocol
<b>AN/PRC-117F</b>	SATCOM High Performance Waveform Line-of-Sight High Performance Waveform
<b>Network</b>	IPV4, UDP/IP

**Ordering Information**

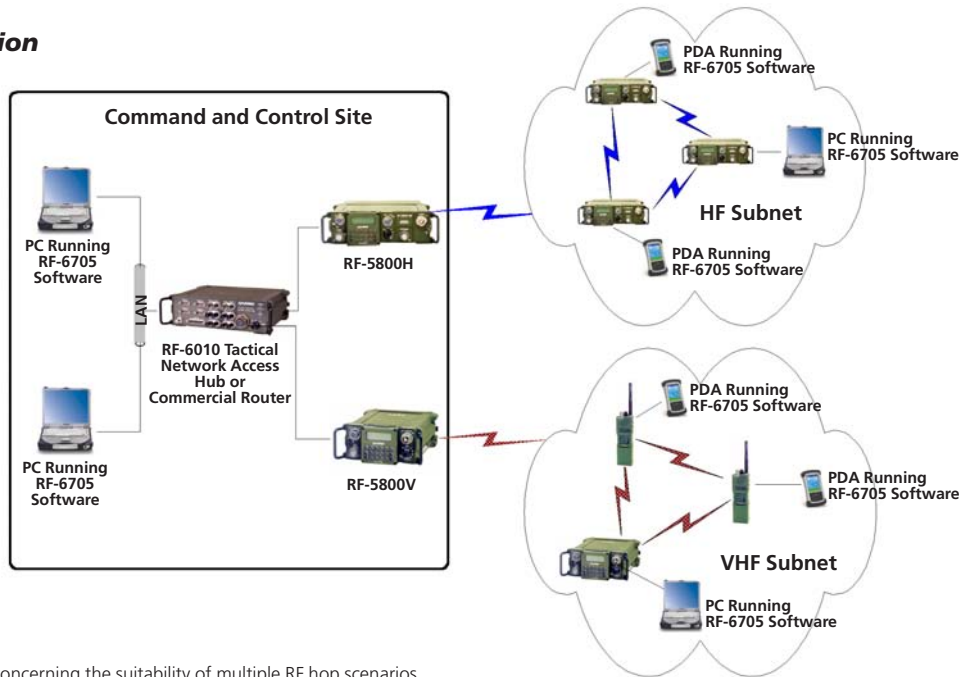
**RF-6705-SW001** CD media

**Accessories**

**RF-3577** Series of personal computers  
**RF-3587-CP001** Rugged PDA

Specifications are subject to change without notice.

**Sample Application**



Please consult with Harris concerning the suitability of multiple RF hop scenarios