

VIKING 56K CompactFlash Modem

USER'S GUIDE



Manual No. 1005302
Release 10.2000, Rev. A

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1 Introduction

Congratulations on purchasing your Viking Components 56K CompactFlash Modem. The card supports the ITU-T V.90 standard and K56flex protocol capable of delivering up to 56Kbps download transfer rate.

CompactFlash Modem Features, System Requirements & Specifications

Features:

- CompactFlash sized design
- Supports ITU-T V.90 & K56flex communication standard
- Up to 56Kbps data communication
- 14,400bps send/ receive fax
- 3.3V/ 5V operating voltage with auto power management
- Plug-and-Play, easy installation
- Hot swapping and card insertion
- V.42 and MNP 2-4 error correction
- V.42bis and MNP 5 data compression
- Auto fall back down to 300bps autosynch
- Asynchronous, full duplex

Features: (Continued)

- Auto sleep and wakeup
- V.80 and Rockwell video-ready synchronous access modes support host-based communication protocols
- Voice/ Audio mode
- Compatible with PCMCIA Type II slots when combined with adapter (not included)

System Requirements:

- PDAs and Handheld PCs:
CompactFlash slot (Type I or Type II)
Windows CE 2.11 and above or Pocket PC
- Windows-Based Computers:
PCMCIA Type II slot
CompactFlash to PCMCIA adapter (sold separately)
386 processor or higher
4MB RAM and higher
DOS, Windows 3.x/95/98

Specifications:

Dimensions:

- Main Body: 36.4mm(L) x 42.8mm(W) x 3.33mm(H)
- Extender: 49.2mm(L) x 42.8mm(W) x 15.78mm(H)

Telephone Interface:

- RJ-11C

Operating Modes:

- Asynchronous data and fax modem
- Automatic or manual answer and origination
- Internal DAA for direct connection to Public Switched Telephone Networks
- Full-Duplex or Half-Duplex
- Tone or Pulse dialing mode

Data Modes:

- ITU-T: V.90, V.34+, V.34, V.32bis, V.32, V.22bis, V.22A/B, V.21, V.23
- Rockwell: K56flex
- Bell: 212a, 103

Voice Modes:

- Enhanced ADPCM
- Full-duplex speaker phone

Fax Modes:

- EIA: Class 1, Class 2
- ITU-T: V.17, V.29, V.27ter, V.21ch2

Specifications: (Continued)

Data Compression:

- V.42bis, MNP5

Error Correction:

- V.42LAPM, MNP 2-4, MNP 10

Power Management:

- Operating voltage: 3.3V-5V +/- 5%
- Operating mode:

3.3V	0.2W Typical
5V	0.7W Typical

Sleep Mode:

- User programmable inactivity timer for sleep mode
- Wake up via ring signal detection or any AT command

Environment:

- Operating temperature: 0°C - 55°C
- Storage temperature: -20°C - 65°C
- Relative humidity: 0% - 95%
- Altitude: 20,000ft.

2 Package Contents

In the Viking Components CompactFlash Modem box, you should find the following contents:



Viking 56K CompactFlash
Modem



Phone cable for connecting
the 56K CompactFlash
Modem to the RJ11 Jack



This User's Guide

Contact your local dealer if this package does not contain the above contents.

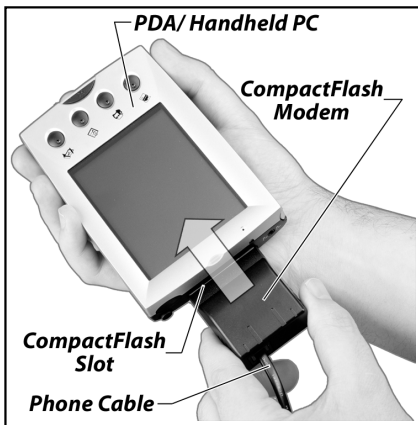
3 Hardware Installation

1. Turn on the PDA/ handheld PC.
2. After the bootup of Windows CE/ Pocket PC, firmly insert the Viking 56K CompactFlash Modem into the CompactFlash slot. The 50-pin connector needs to be facing the CompactFlash slot.

Note: The key-guided slot will not allow incorrect insertion. Do not force the CompactFlash Modem into the slot.

3. Firmly insert the enclosed phone cable into the Viking 56K CompactFlash Modem. The keyed connector will not allow incorrect insertion.

4. Insert the other end of the phone cable into a standard RJ11 telephone outlet.



The hardware installation is now complete. Please proceed to the "Software Installation/Setup" section on page 7.

4 Software Installation/ Setup

Windows CE/ Pocket PC:

Note: Windows CE/ Pocket PC does not require any special drivers to communicate with the Viking 56K CompactFlash Modem. It is a plug-and-play compliant device.

After the Viking modem has been firmly inserted into your system's CompactFlash slot (refer to "*Hardware Installation*" on page 6), it will need to be configured. Please complete the following steps to configure and test your Viking CompactFlash Modem.

Configuring the Modem:

1. Click the "*Start*" button and select "*System*."
2. In the "*System*" dialog box, click the "*General*" label.
3. In the "*General*" window, see the content of "*Storage Card*." If Windows CE/ Pocket PC configured the CompactFlash Modem properly, it will show "*Rockwell_Sem_Sys.-RCD*."

Testing the Modem:

1. To set the "*Dialing Pattern*", click the "*Start*" button. Then choose "*Settings*" and select the "*Communication*" panel. Click the "*OK*" button to finish this step.

Windows CE/ Pocket PC: (Continued)

2. To set the connection information, click the *"Start"* button. Then choose *"Program"* and select *"Communication."* In the *"Communication"* window, choose *"Connections."* In the *"Connections"* panel, double click the icon *"Make New Connection."* Follow the on screen instruction to enter the connection instruction. Go back to the *"Connections"* panel and pull down the *"Connection"* menu. Choose *"Connect"* to complete the connection. Now you can send and receive email through your Internet account.

3. If you want to open Internet Explorer, click the *"Start"* button and then choose *"Channel"* after you have initiated a connection with your ISP (Internet Service Provider).

4. If you want to know which Web sites you can connect to, click the *"Start"* button and choose *"Channel."* Then open *"MSNBC."* The system will tell you how to add new channels.

The software installation/ setup is now complete.

5 Support

Frequently Asked Questions:

Q: *Why didn't I receive a driver diskette for Microsoft Windows CE/ Pocket PC with my Viking CompactFlash Modem?*

A: The Viking CompactFlash Modem does not require any drivers for the Microsoft Windows CE/ Pocket PC operating systems.

Q: *Is the Viking CompactFlash Modem compatible with Microsoft Windows CE 3.0/ Pocket PC?*

A: The minimum requirements for the Viking CompactFlash Modem on Microsoft Windows CE is 2.11 or higher. It is fully compatible with Microsoft Windows CE 3.0, also known as Pocket PC.

Q: *Where do I find the Pocket Browser and how do I install it?*

A: You can download the Pocket Browser using your PC from <http://www.conduits.com/ce/release/cpb.html>. After downloading, open the program and click on setup (the PDA will need to be connected to your PC during this step). After the installation is finished you should see the Palm Browser in your Start menu under "Programs."

Frequently Asked Questions: (Continued)

Q: *Will the Viking CompactFlash Modem work on any other operating systems or platforms other than Microsoft Windows CE/ Pocket PC?*

A: The Viking CompactFlash Modem is hardware based and has been tested on a number of different operating systems. It will function normally under most Microsoft operating systems as long as a compatible driver is used, a PCMCIA Compact Adapter and a PCMCIA slot is available. The Viking 56K CompactFlash Modem Laptop Upgrade Kit (part # 56KCFM-ADAPT) includes everything required to use the modem in the Type II PCMCIA slot of your laptop.

Q: *Is the Viking CompactFlash Modem compatible with the Apple OS?*

A: The Viking CompactFlash Modem is not supported by Viking under the Apple OS.

Contacting Technical Support:

If your questions have not been answered or if you are unable to solve a problem with your Viking CompactFlash Modem by using this guide, Viking Components has technical support available.

Before calling technical support, please prepare to have the following information available:

- Machine type
- Operating system
- Detailed descriptions of question or problem

United States Headquarters (24 hours a day / 7 days a week):

(Supporting North America, South America, Canada and the Pacific Rim)

Phone Number: **(888) 801.9181**

Corporate Web Site: **www.vikingcomponents.com/support/**

6 Warranty & Disclaimer Information

One Year Warranty

All products have been thoroughly tested to be free of defects in material and workmanship. If any product should malfunction while used in its recommended environment during the applicable warranty period, Viking, at its option, will repair or replace the product at no charge, provided the product or any part thereof has not been abused, misused, neglected, replaced, repaired, or modified. Viking shall make the final determination as to the existence and cause of any defect. Viking will not repair or replace any product that has a "limited lifetime" which fails solely because its estimated life has expired. No warranty is made with respect to custom products produced to original Buyer specifications, except as specifically stated in writing by Viking. Buyer acknowledges and agrees that neither Viking nor any agent or representative of Viking has made any warranty, promise or guarantee regarding the product or its suitability for any particular use except as expressly set forth herein. Viking's warranty shall not be enlarged, diminished, or affected by, and no obligation or liability shall arise or grow out of, Viking's rendering of technical advice or service in connection with any product furnished thereunder. Viking makes no representation or warranty whatsoever to Buyer with respect to the performance, appropriate use, safety or characteristics of the products, except as expressly provided herein. Viking reserves the right to make modifications to both hardware and software without prior notification. THE FOREGOING EXPRESS WRITTEN WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ANY OTHER WARRANTIES OR REMEDIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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