VOYAGER VGA ADAPTER

USER GUIDE

This adapter has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential environment. This adapter generates, uses and can radiate radio frequency energy. Should this adapter not be installed and used in accordance with the instructions, harmful interference to radio communications may occur. However, there is no guarantee that interference may not occur in a particular installation. If this adapter does cause interference to radio reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the distance between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that which the receiver is installed
- Consult an experienced radio technician for help, if necessary.

The following booklet prepared by the FCC may be helpful:

"How to Identify and Resolve Radio/TV Interference Problems"

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402 Stock No. 004-000-00345-4.

To comply with the limits for the Class A device, pursuant to Part 15 of the FCC Rules, this card must be installed in computer equipment certified to comply with the Class A limits. All cables used to connect the computer and peripherals must be shielded and grounded. Operation with non-certified computers or non-shielded cables may result in interference to radio or television reception. A typical supplied monitor cable with a shielded interface cable with a ferrite core must be used in order to comply with the emission limit.

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USER GUIDE

FOR PCMCIA
HANDHELD PERSONAL COMPUTERS

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OVERVIEW

The Voyager VGA is an ideal solution for the mobile professional seeking an alternative to a laptop. Using the Voyager VGA, a low power PC Card that connects an H/PC to an external VGA device, Microsoft Pocket PowerPoint® presentations can be presented to an audience. Drivers are available for most H/PCs running Microsoft Windows CE 2.X operating system.

Presentations using Windows CE software other than pocket PowerPoint are achieved by using the Voyager Shadow software. Shadow copies an exact duplicate of the Handheld LCD display to an external VGA device. Voyager Shadow is an indispensible tool for training others to use the many features and applications designed for H/PCs. Voyager Shadow may be used to provide proof-of-concept to a large audience when writing custom software for H/PCs. Software publishers and OEMs can take advantage of a second video output and create perfect custom applications for any presentation need.

HARDWARE INSTALLATION

*Information presented in this section will help avoid potential hardware and software conflicts. Before proceeding with installation, check the diskette provided with the **VOYAGER VGA** adapter for a file named **README.TXT**. This file contains the latest release notes and any hardware or software incompatibilities.*

System Requirements

The **VOYAGER VGA** requires the following to assure proper performance:

Handheld PC
Type II or Type III PCMCIA slot
External VGA source: multisync required for greater than 640x480 resolution

OS and GUI Requirements

Windows CE 2.0
145KB of free storage space on main storage

Colorgraphic strongly recommends that the user make a backup copy of all data on an external device (desktop hard drive) before proceeding.

Installing the Voyager VGA

1. Insert **VOYAGER VGA** it into the PCMCIA slot in the H/PC.

VOYAGER VGA is designed to be "Hot Swappable", meaning it can be inserted and removed while the H/PC power is on.

2. To use **VOYAGER VGA**, the Voyager driver and Shadow software, must be initiated after insertion of the card.

3. Once the **VOYAGER VGA** has been installed into the host computer, find and connect the video cable supplied with **VOYAGER VGA**. The flat end of the video cable is keyed to insure correct connection to **VOYAGER VGA**.
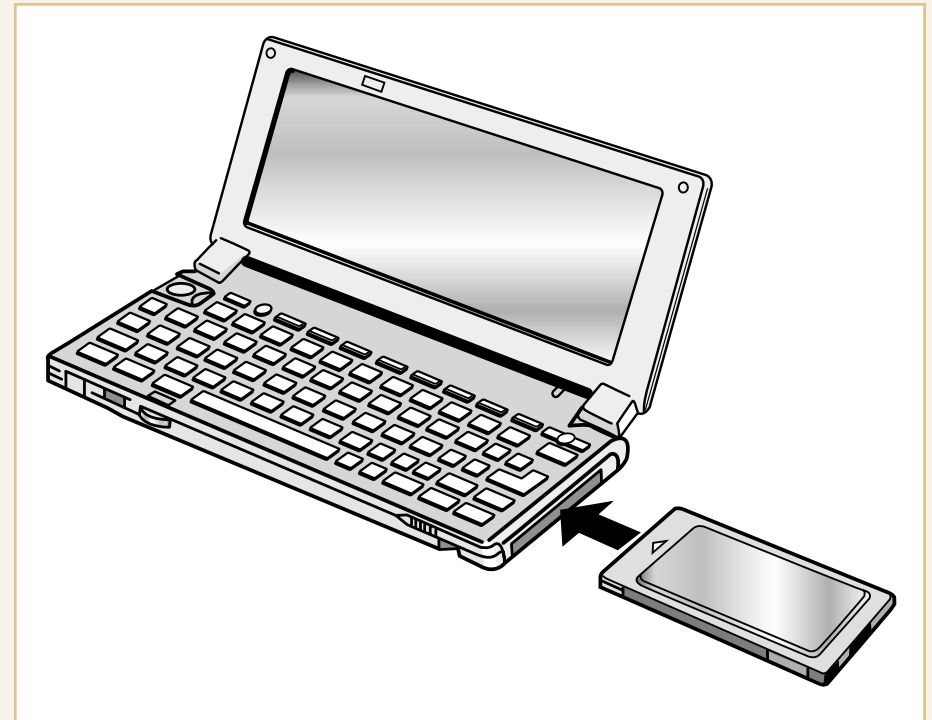
SOFTWARE INSTALLATION

Driver and Shadow Software Installation

1. Locate the diskette supplied with the **VOYAGER VGA** card labeled "**VOYAGER VGA**".

2. Insert the diskette into the 3 fi" floppy drive on your desktop personal computer.

3. Establish a connection between your Desktop Personal Computer and the Handheld Personal Computer (H/PC) using the "**MOBILE DEVICES**" software provided by the manufacturer of your H/PC.

Note: A partnership should be established between the Desktop PC and the H/PC before installation of the Voyager driver and software.

Because there are several different H/PCs on the market, it will be necessary to review all of the documentation in the **README.TXT** file to determine which driver is best suited for your H/PC device.

4. On the desktop computer, press **START**, then **RUN**. Type "**A:\CE2\XXX.EXE**" (where **X** is the driver suggested in the **README.TXT** file) and select OK.

5. The correct processor type will be determined, and the appropriate files will be copied to your H/PC. A message will appear on your H/PC asking you to WarmBoot the H/PC to load the driver. Press the **reset** button on your H/PC so that the driver and software will be correctly loaded.

This step is only necessary after initial installation of the driver and software.

6. The **VOYAGER VGA** driver and **VOYAGER SHADOW** software are now correctly loaded onto the H/PC and the **Voyager** is ready for use.
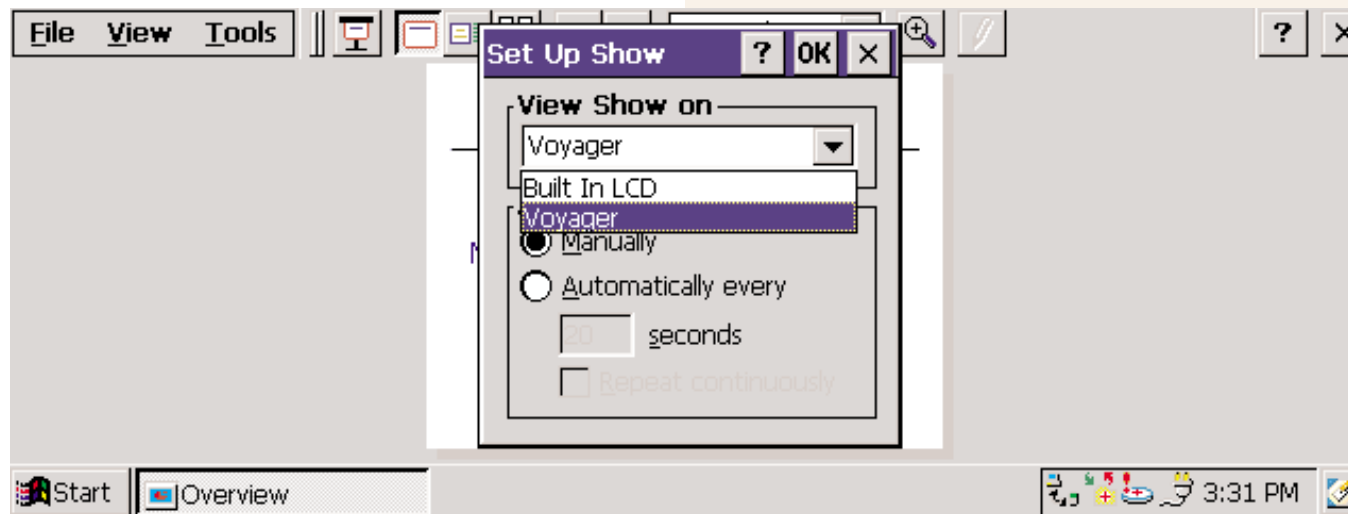
USING VOYAGER VGA

Overview

After installing the driver and Shadow software, you are now ready to use the features of **VOYAGER VGA**. The **VOYAGER VGA** card may be used either to display the slide portion of a MS Pocket PowerPoint presentation on an external VGA display or to send an exact copy of the LCD display of your H/PC to an external VGA display.
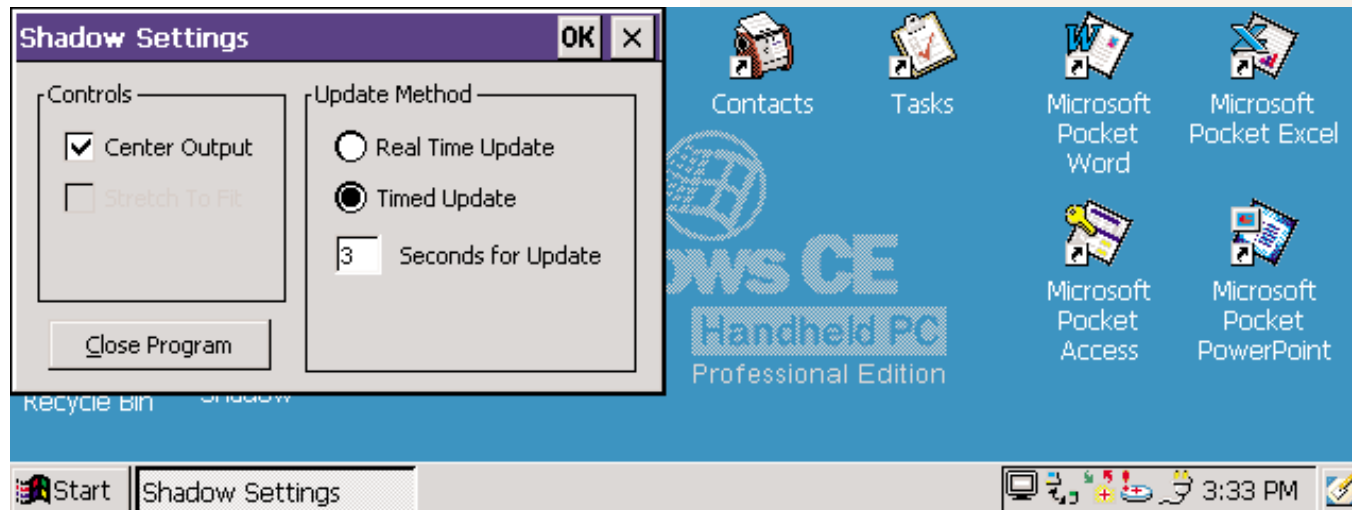
Voyager VGA and MS Pocket PowerPoint

1. Insert the **VOYAGER VGA** card into the PCMCIA slot on your H/PC.

2. Attach an external VGA display to the **VOYAGER VGA** card using the supplied cable.

3. Open a Pocket PowerPoint presentation on the H/PC.

4. Select "**SET UP SHOW**" from the Tools menu.

5. From the list box labeled "**VIEW SHOW ON**" select "**VOYAGER**".

6. Select the "**VIEW SHOW**" button on the menu bar. The slide will be displayed on the external VGA display only. If you select "**NOTES VIEW"** on the H/PC, the notes will be displayed on the LCD display on your H/PC only.

7. If you wish to make the external display blank, press the "**VIEW SHOW**" button again before exiting from Pocket PowerPoint. Otherwise, the last slide that was displayed will remain on the external VGA display until the H/PC is powered down or the cable is disconnected.

Using Voyager VGA with Voyager Shadow

1. Insert the **VOYAGER VGA** card into the PCMCIA slot on your H/PC.

2. Attach an external VGA display to the **VOYAGER VGA** card using the supplied cable.

3. Double click the icon on your H/PC labeled "**VOYAGER SHADOW**".

4. The LCD display on your laptop should appear on the external VGA display.

5. To modify the external display, double tap the "**MONITOR**" icon on the task bar of the H/PC. A window will then appear labeled **Shadow Settings**.

6. In order to preserve aspect ratio between the H/PC and the external VGA display, the external VGA display is presented at 640x240 (with the exception of the H/PC Pro devices which have a 640x480 display). By default, the external display is centered. If you would like the external display to begin at the very top of the viewing area, deselect the box next to "**CENTER OUTPUT**" in Shadow Settings.

7. The user can configure the screen update frequency. Select either "**REAL TIME UPDATE**" or "**TIMED UPDATE**" in Shadow Settings. When using Timed Update, type in an update frequency between 1 and 99.

8. Some features appear "grayed out". These features may be available in future versions of the **VOYAGER VGA** driver and **VOYAGER SHADOW** software. Please check our web site at www.colorgraphic.net regularly for upgrades.

USING
VOYAGER VGA

Selecting the Resolution for the External VGA Display

1. Close both Pocket PowerPoint and Voyager Shadow.

2. On the H/PC, tap "**START**", then "**SETTINGS**", and then "**CONTROL PANEL**". An icon will be included with the other Control Panel applications labeled "**VOYAGER SETTINGS**".

3. Double tap "**VOYAGER SETTINGS**". The current resolution will have a black dot next to it. Tap the resolution that you desire and press **OK**.

4. Turn the **H/PC Off** and back **On** or eject the **Voyager VGA** card and reinsert it. This insures that the correct pallette tables have been downloaded to **Voyager** so that the output will display properly. On your next use, the **Voyager** will be set to the new resolution.
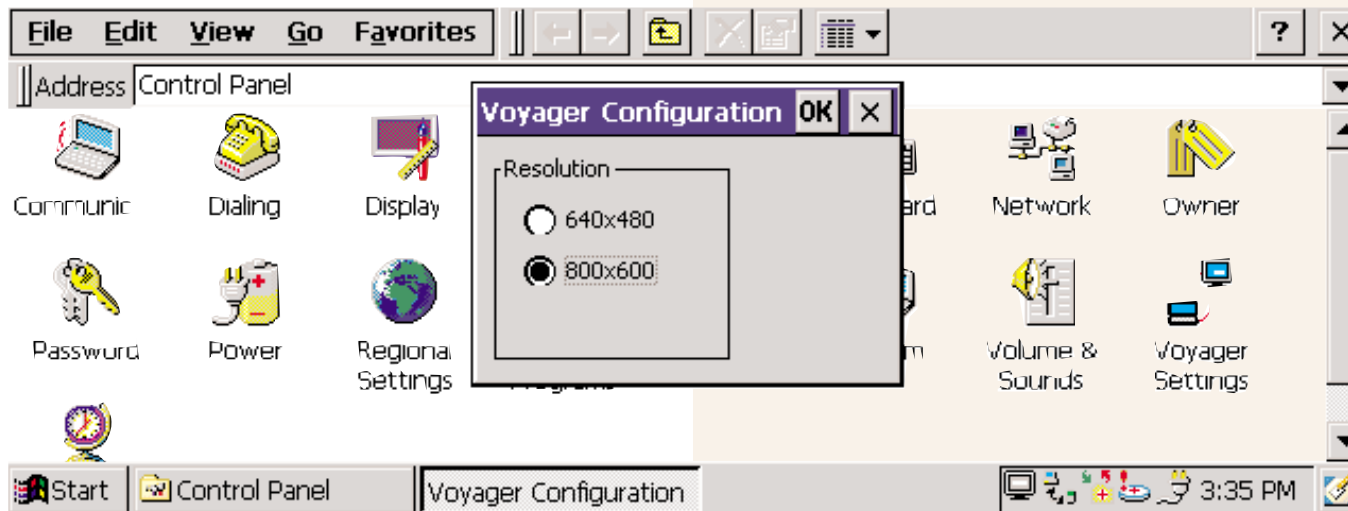
PRODUCT SPECIFICATIONS

Features

VGA compatible output
Resolutions supported:
640 x 480 and 800 x 600 at 256 colors
Microsoft Pocket PowerPoint driver for displaying presentations on an external VGA display
Voyager Shadow application for displaying an exact copy of H/PC screen on external VGA display

Video Memory

512k DRAM standard

Bus Architecture

PCMCIA
Adapters use a single type II or III slot

Part Number

616100V

Graphic Modes

Graphic modes currently supported include 640x480 at 256 colors and 800x600 at 256 colors. Future revisions of the Voyager VGA driver and Voyager Shadow software may allow additional graphic modes. Please visit our web page at www.colorgraphic.net regularly for updates

TECHNICAL SUPPORT

Colorgraphic Communications Corporation supplies technical support free of charge to the end user or potential user. Contact may be made via mail, voice, facsimile or the Internet.

	DOMESTIC	EUROPEAN
Customer Service	(770) 455-3921	44 1202 747 044
Tech Support	(770) 455-3921	44 1202 747 044
Fax Support	(770) 458-0616	44 1202 747 114
Internet:	www.colorgraphic.net	www.colorgraphic.co.uk
FTP	ftp.colorgraphic.net	
Sales	sales@colorgraphic.net	sales@colorgraphic.co.uk
Voice	1-877-WIDE-VIEW	
	1-877-943-3843	
Tech Support	tech@colorgraphic.net	tech@colorgraphic.co.uk

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Poole, Dorset BH12 4NZ
England

Canadian

Forefront Graphics Corporation
125 Ashwarren Road
Downsview, Ontario M3J 3K7
Canada
Tel (416) 636-4444
Fax (416) 636-4454
email: ffsales@forefront.com

*Please refer to our web page for other distributors: www.colorgraphic.net

TROUBLESHOOTING

Cause: After installing the Voyager Windows CE Driver on the handheld PC, there is no video on the external VGA device.

Solution:
1. Look at the readme.txt file on the Voyager disk. Make sure that the correct setup file for your specific handheld PC was installed.

2. Make sure that the Voyager is inserted into the handheld PC securely. Ensure that there are no bent pins in the socket into which the Voyager is being inserted.

3. Make sure that the monitor cable is plugged into the Voyager cable and that there are no bent pins on either of the cables.

Cause: After installing the Voyager with a Philips Velo, there are sparkles or garbage on the external display.

Solution: Visit the Philips web site for a patch file to correct the problems with the PCMCIA.DLL file.

For additional support for your Voyager VGA, contact Tech Support@tech@colorgraphic.net

1-877-WIDE-VIEW • 1-877-943-3843

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DISCLAIMERS

Life Support

Colorgraphic Communications Corporation does not sanction, authorize or certify any of its products for use in the design, construction or use in or as critical care components of life-support systems or devices. Products of this nature are defined as follows:

a) Life-support systems and/or devices are those that are used to support/sustain life or are used to the same effect when applied as a surgical implant and whose failure to perform may result in serious injury or fatality.

b) Critical components are those which are integral and essential to the design and construction of life-support devices which are used to sustain/support life, and whose failure to perform can be expected to significantly reduce the effectiveness of said devices, which may result in serious injury or fatality.

Incidental Damage

Colorgraphic Communications Corporation assumes no liability or responsibility for damage to any device(s) of any kind connected to the Predator Series Adapters.

Damage to video display devices can sometimes occur if the wrong resolution and refresh rate are chosen. It is the responsibility of the user to know and understand the allowable resolution and refresh rates for the video display device in use. Always refer to the operations manual accompanying the video display device prior to use.