MagniPORT® for Windows   HELP INDEX   1 of 1

Getting Started

MagniPORT Magnification Controls

Setup & Configuration Controls

Overview of MagniPORT for Windows 3.1

MagniPORT is a **($19) ShareWARE** magnification product for use with any **Windows 3.1** Video Adaptor presenting a dynamic dialog box containing a magnified image of the area surrounding the mouse cursor. You may re-position and re-size this box.   It is extremely useful with all presentation applications and saves significant time over "built-in" magnifiers.   An option to dispay a cursor within the MagniPORT Dialog box gives you exact positioning during paint operations.   **MagniPORT** is available as a separate ($19) ShareWARE product or bundled in **MSI's MAGic** Magnification Software.   **MAGic ($79) & MAGic Deluxe ($295)** features the following:

▶   2, 4, 6, & 8 x   Magnifications for MAGic Deluxe
▶   2 x   Magnification for Magic Regular
▶   Screen Locator Display
▶   MSI's Exclusive <u>MagniPORT</u> Dialog Box
▶   Auto-Track of Cursor, Mouse, Objects, & Carats
▶   Ability to Reverse Black-on-White to White-on-Black Images
▶   Ability to Reverse the Cursor Color
▶   Object Tracking On / Off Control
▶   "Silky-Smooth" Panning in ALL Magnifications within Dialog Box boundaries.
▶   Variable Panning Speeds (3 steps)
▶   Very Responsive Screen Movement (< 1% system overhead)
▶   Very LOW Resource usage (< 1%)
▶   Very LOW Memory usage (< 30 KBytes)
▶   Hot-Keys for Changing Magnifications
▶   User-Definable <u>short-cut Keys</u> to turn Magnification On / Off
▶   Comprehensive <u>On-Line Help</u>

Installing MagniPORT for Windows

MagniPORT for Windows is very easy to install and load.   The installation is actually a two part process.   First **MagniPORT** is installed on your hard disk, then the user that wants access to **MagniPORT for Windows** installs the **MPORT** program into the desired Windows group.

To install **MagniPORT** on your hard disk, copy the **MPORT.EXE** program to your **\WINDOWS** directory then:

1   Under the Windows program manager, double click on the group which will contain MagniPORT for Windows.   If you continuously need MagniPORT for Windows, we recommend that you place it in the Startup group.   This will assure that the on-line notification and access will automatically be run each time Windows is loaded.

2   Click on File, New; Program Item and OK.

3   In the Description field type **MagniPORT** .

4   Input **MPORT.EXE** in the Command line field.

5   If you like, you may specify a short-cut key sequence that will turn **MagniPORT** On / Off.

In addition, any of the following options can be placed on the Command Line after WINMAGNIPORT.EXE:

/M Magnification
The default is 2.   This determines the magnification factor.   Valid values are 2, 3, 4, 5, 6, 7, 8, 9, 0.

/U Start Un-magnified
The default is magnified.   This allows you to specify a magnification with the /M switch, but initially after loading WINMAGNIPORT, the screen will be un-magnified.

/SC Show Cursor
The default is Off.   This causes the dispay of a Cross within the MagniPORT Dialog Box to allow exact positioning during paint operations.

6.   Click the **OK** button to save your selection.   You should now double-click the **MagniPORT** icon to enable **MagniPORT**.   Please note that the configuration & use of this icon is contained in **Demo & Registration Limitations** section.

7.   The **MPCLIENT.EXE** porgram is supplied to test & demonstate the DDE Server Capabilities.

Demo & Registration Limitations

If **MagniPORT for Windows** is not Registered, MagniPORT will time out after 15 minutes of operation. You must exit Windows and re-start to get a fresh demo.   You may call MSI at (800)828-2600 at any time with a credit card (M/C, VISA, or AMEX) and charge the $19 registration fee.   We will give you an unlock code over the telephone.

Single clicking this icon will present you with the Options Menu.   Double clicking this icon will Enable / Disable Magnification.   This icon will remain "On-Top" of any and all applications to provide you with instant access to its functionality.

Option Control

Single Clicking the **MagniPORT** icon will cause **MagniPORT**
to present you with a list of Options.   Double-clicking will turn magnification On / Off.

MagniPORT Command

Selecting this MSI exclusive option will open a Dialog Box which shows the area of the screen that surrounds the mouse cursor.   The **MagniPORT** Dialog Box can be moved and sized just as your other Windows dialog boxes.   The area depicted within the **MagniPORT** box can be magnified at 2-10x using the standard MagniPORT hot-keys.   The content of the **MagniPORT** box is continuously updated as you move you mouse around the display.   The Location & Size of the **MagniPORT** box are stored in your WIN.INI file automatically upon exiting and restored each time this option is selected.

About MagniPORT Command

Display the Registration / Revision / Sales Information
regarding your **MagniPORT** installation.

Help Commands

Help - Index
> Accesses the Help System for **MagniPORT** at the Main Index.

Help - Search
> Accesses the Help System for **MagniPORT** at the Keyword Search.

MagniPORT for Windows Information

MagniPORT for Windows is copyright 1993 by:

Pricing:
1-4 $19
5-9 $15
10-49 $12
50+ $10

Microsystems Software, Inc.
600 Worcester Road
Framingham, MA 01701

(508) 879-9000   Support
(508) 626-8511   Fax
(508) 875-8009   BBS for upgrades
(800) 828-2600   Toll-Free (Sales & Unlock Only)

Author: Borko D. Stosic

Mouse Support

Generally, all functions normally associated with the Mouse under Windows are supported. Panning will start at the location of the mouse pointer head.   The magnified area will automatically track the mouse.   After you disable magnification, upon re-enabling, the magnified area will center around the mouse pointer.

Keyboard Support

Holding the < ALT > key an hitting various other keys will control MagniPORT under Windows.
Note that the Number Keys defined below are the keys on the top row of the keyboard, NOT those on the numeric keypad.

< Alt - 1 >   Set magnification to 1x   (Off)
< Alt - 2 >   Set magnification to 2x
< Alt - 3 >   Set magnification to 3x
< Alt - 4 >   Set magnification to 4x
< Alt - 5 >   Set magnification to 5x
< Alt - 6 >   Set magnification to 6x
< Alt - 7 >   Set magnification to 7x
< Alt - 8 >   Set magnification to 8x
< Alt - 9 >   Set magnification to 9x
< Alt - 0 >   Set magnification to 10x

< Alt - Insert > Cursor On / Off

Note: You may also specify a short-cut key sequence that will turn **MagniPORT** On / Off in the Properties of the **MagniPORT** Icon under you Windows Program Manager.

DDE Support in MagniPORT

MPORT is also a DDE (Dynamic Data Exchange) server for Windows 3.1 as follows:

Registration: **DDEML**
           Topic: **"MagniPORT"**
        Service: **"Magnified State"**

The callback functions respond to DDEML (DDE Management Library) transactions XTYP_EXECUTE by processing the received command string and returning the DDE_FACK transaction flag to the DDEML.

The Command string is processed by searching for particular string expressions (case insensitive, optionally followed by string representation of numbers) and then performing corresponding the operation.

The following commands are recognized:

STRING	NUMBER	ACTION
/M	1-10	choose magnification
/XC	0-639	choose x coordinate for magnification
/YC	0-479	choose y coordinate for magnification
/XMP	0-639	choose x coordinate of Mport Dialog box.
/YMP	0-479	choose y coordinate of Mport Dialog box
/XEXT	0-639	choose x width of Mport Dialog box
/YEXT	0-479	choose y height of Mport Dialog box.
/SC	0-1	Cursor Off or On
/MSG		display message box

Numbers received for /XC or /YC coordinates are truncated to the nearest permitted values. If only one coordinate is received, the other is by default chosen at half of the screen size.

The MPCLIENT.EXE program demonstrates a client DDE application.   On startup, if no server responds to XTYP_CONNECT transaction, the application tries to load MPORT.EXE and then again tries to establish connection. If it doesn't succeed, it displays a message box and exits.

Once the connection is established, MPCLIENT.EXE displays a dialog box with options for different services supplied by MPORT.EXE. Messages are sent by pressing the SEND MESSAGE button in the dialog box.

If the connection is broken (received transaction XTYP_UNREGISTER), MPCLIENT.EXE displays a message box. If the connection is re-established (transaction XTYP_REGISTER received), and an appropriate message box is displayed.   A key for loading MPORT.EXE server is also supplied in the dialog box (pressing it has no effect if the server is already loaded and connection established).