

Win 3.1/3.11 upgrade to Win 95 Installation of Microtek Scanners:

The following instructions are for those who had their Microtek Scanners installed and is running satisfactorily under Win 3.1/3.11 and wish to upgrade to the Win 95 environment.

There are Hardware and Software issues, so be sure to read both sections before you go ahead.

These upgrade installations have been tested to work in most typical systems but may or may not work depending on your particular system configurations.

The most current and highest successful installation rate configuration is with the ScanWizard 2.01 scan module and the Adaptec 1502E SCSI card. This interface combination of Scan Module and Adaptec SCSI adaptor card is now being shipped with current products. Customers who had older Microtek scanners and wish to upgrade to this interface configuration should contact Microtek sales. Also, this configuration will have the 32 bit Twain support in the future.

Hardware Installation:

PCY Card:

This card was shipped with the 300z, 600z and MTS1850 Models. You need to reserve system I/O resources under Win95 for this card to work properly. You also need to make sure the driver "MSCAN.SYS" was loaded through an entry in you "Config.sys" file. To do that you need to do the following in Win95.

1. Copy the File MtkWin95.EXE into a directory of your choice. e.g. C:\Microtek
2. Run the self extracting file MtkWin95.EXE to extract the necessary files
3. Bring up Control Panel by Left Click on Start->Settings->Control Panel.
4. Double Left Click on "Add New Hardware" Icon.
5. Left Click "Next".
6. Dialog will ask you for window to search hardware, select "No" and Left Click "Next".
7. Select by Left Click "Other Devices" and Left Click "Next"
8. Left Click on "Have Disk".
9. Type in the directory which contains the extracted files from MtkWin95.EXE. e.g. C:\Microtek and Left Click "OK"
10. Select Microtek PCY Card from Microtek Scanner Adapters and Left Click on "Next"
11. Win95 will show the assigned I/O port address. Take Note of this address and Left Click on "Next"
12. Left Click on "Finish"
13. Click "No" when prompted to turn off and restart. Left Click on "Start" button and click on "Run" on the drop down manual. This will bring up the "Run" dialog.
14. Enter "Sysedit" in the "Open" entry, and click the "OK" button. This will bring up the System Configuration Editor.
15. Select the "C:\Config.Sys" file window. Make sure the Line
DEVICE='path'\MSCAN.SYS is on the list.
'path' is the search path to the directory which contains the file MSCAN.SYS. If not, enter the line, save the file and exit Sysedit.
16. Turn off your computer.
17. Check and set your PCY Card I/O port jumpers to correspond to the I/O address noted in step 11.
18. Restart your computer.

PCZ interface Card:

This card was shipped with the ScanMaker II/IISP/IIIXE/IIG/IIHR/III/35t/45t Models. You need to reserve system Memory resources under Win95 for this card to work properly. To do that you need to do the following in Win95.

1. Copy the File MtkWin95.EXE into a directory of your choice. e.g. C:\Microtek
2. Run the self extracting file MtkWin95.EXE to extract the necessary files

3. Run Sysedit. Comment/delete the statement "EmmExclude=xx00-yy00" from the [386Enh] section of the System.ini file. (Start->Run->Open Sysedit->OK)
4. Restart win95. (Start->Shut Down->Restart the Computer->Yes)
3. Bring up Control Panel by Left Click on Start->Settings->Control Panel.
4. Double Left Click on "Add New Hardware" Icon.
5. Left Click "Next".
 6. Dialog will ask you for window to search hardware, select "No" and Left Click "Next".
 7. Select by Left Click "Other Devices" and Left Click "Next"
 8. Left Click on "Have Disk".
 9. Type in the directory which contains the extracted files from MtkWin95.EXE. e.g. C:\Microtek and Left Click "OK"
 10. Select Microtek PCZ Card from Microtek Scanner Adapters and Left Click on "Next"
 11. Win95 will show the assigned Memory address. Take Note of this address and Left Click on "Next"
 12. Left Click on "Finish" and follow instruction to turn off your computer.
 - 13 Check and set your PCZ Card Memory address jumpers to correspond to the Memory address noted in step 11.
 14. Restart your computer.

PNR (PCZ-2) interface Card:

This card was shipped with the ScanMaker II/IISP/IIXE/IIG/IIHR/III/35t/45t Models. You need to reserve system I/O resources under Win95 for this card to work properly. You also need to make sure the driver "MSPNRI.SYS" was loaded through an entry in you "Config.sys" file. To do that you need to do the following in Win95.

1. Copy the File MtkWin95.EXE into a directory of your choice. e.g. C:\Microtek
2. Run the self extracting file MtkWin95.EXE to extract the necessary files
3. Bring up Control Panel by Left Click on Start->Settings->Control Panel.
4. Double Left Click on "Add New Hardware" Icon.
5. Left Click "Next".
 6. Dialog will ask you for window to search hardware, select "No" and Left Click "Next".
 7. Select by Left Click "Other Devices" and Left Click "Next"
 8. Left Click on "Have Disk".
 9. Type in the directory which contains the extracted files from MtkWin95.EXE. e.g. C:\Microtek and Left Click "OK"
 10. Select Microtek PNR or PCZ-2 Card from Microtek Scanner Adapters and Left Click on "Next"
 11. Win95 will show the assigned I/O port address. Left Click on "Next"
 12. Left Click on "Finish" .
 13. Click "No" when prompted to turn off and restart. Left Click on "Start" button and click on "Run" on the drop down manual. This will bring up the "Run" dialog.
 14. Enter "Sysedit" in the "Open" entry, and click the "OK" button. This will bring up the System Configuration Editor.
 - 15 Select the "C:\Config.Sys" file window. Make sure the Line
 DEVICE='path'\MSPNRI.SYS is on the list.
 'path' is the search path to the directory which contains the file MSPNRI.SYS. If not, enter the line, save the file and exit Sysedit.
 16. Restart your computer.

Adaptec 1502E Card:

This card is currently shipping with the ScanMaker II/IISP/IIXE/IIHR/III/35t/45t/E3 Models. This card is not plug-and-play and you need to install the driver manually using win95 Add New Hardware Wizard. Also, the Microtek ASPI DOS interface driver ASPIIF.EXE needs to be loaded before win95 starts.

1. Copy the File MtkWin95.EXE into a directory of your choice. e.g. C:\Microtek
2. Run the self extracting file MtkWin95.EXE to extract the necessary files
3. Bring up Control Panel by Left Click on Start->Settings->Control Panel.

4. Double Left Click on "Add New Hardware" Icon.
5. Left Click "Next".
 6. Dialog will ask you for window to search hardware, select "No" and Left Click "Next".
 7. Select by Left Click "Other Devices" and Left Click "Next"
 8. Left Click on "Have Disk".
 9. Type in the directory which contains the extracted files from MtkWin95.EXE. e.g. C:\Microtek and Left Click "OK"
 10. Select Adaptec 1502E Card from Microtek Scanner Adapter and Left Click on "Next"
 11. Win95 will show the assigned I/O port address and IRQ. Take Note of this I/O address and IRQ and Left Click on "Next"
 12. Left Click on "Finish" .
 13. Shut down you computer. Adjust the jumper on the Adaptec 1502E Card to reflect the IRQ and I/O settings noted in step 11. Insert the Card, connect the scanner to the Adaptec SCSI card and power up the scanner. Then power up you Computer to start win95.
 14. Win95 will show a message indicating unknown device is found and prompt for driver installation. Select "Driver from disk provided by Hardware Manufacturer" button and click OK.
 15. Type in the directory which contains the extracted files from MtkWin95.EXE. e.g. C:\Microtek and Left Click "OK"
 16. You should be able to start your scanning application and "Acquire" scan through the Scan Module. Usually, after the scanner installation, the first time you use "Acquire" in applications like Adobe Photoshop 3.04 to bring up the ScanWizard scan module, you will get the message "ScanWizard can't find any scanners! Please use SCSI Check to find scanner". Select "OK" in this case and the SCSI Chain dialog box will show. Under the "Select the interface card" drop down entry, select "sparrow". This should show your scanner connected to the Adaptec 1502E card and launch the ScanWizard scan module.

Systems with more than one SCSI Card:

For systems which contains another SCSI adaptor (usually for CD rom drive **[some CD rom are attached to SCSI adaptor and did not show in the win95 System driver list as SCSI, e.g. Toshiba 2150 CD series note book] or SCSI hard drives) and you wish to install the Adaptec 1502E adaptor for the Microtek scanner, ScanWizard 2.01 or higher scan module is needed. The new ScanWizard 2.01 SCSI scan module software will allow you to select which SCSI adaptor card to look for the scanner. Usually, after the scanner installation, the first time you use "Acquire" in applications like Adobe Photoshop 3.04 to bring up the ScanWizard 2.01 scan module, you will get the message "ScanWizard can't find any scanners! Please use SCSI Check to find scanner". Select "OK" in this case and the SCSI Chain dialog box will show. Under the "Select the interface card" drop down entry, select "sparrow". This should show your scanner connected to the Adaptec 1502E card and launch the ScanWizard scan module.

Other Adaptec SCSI Card:

Other Vendor SCSI Card:

Software:

WINASPI update of ScanWizard

ScanWizard 2.01 and older version uses a DOS ASPI interface and required the loading of the interface driver ASPIIF.EXE prior to win95. To update to WINASPI support and the removal of the necessity of loading ASPIIF.EXE, obtain the self extracting compressed update file NEWASPI.EXE and run it. After the extractions, you

will have three dlls (asp4win.dll, mphase.dll, and mscanmgr.dll). Copy and overwrite these three dlls to C:\windows\twain\scanwiz directory (if you want to be able to revert to the old DOS ASPI interface in case of problems, save the old mphase.dll and mscanmgr.dll before you do the overwrite). Use Sysedit to remove or remark out the ASPIIF.EXE load statement from your Autoexec.bat file and restart win95.

Most 16 bit applications which you have been running under win 3.1/3.11 should still run under win95 and should operate exactly the same with the scanner once the hardware have been set up with the following exceptions.

PhotoShop -- If you are running PhotoShop 3.00, you need to install PhotoShop 3.04, Twain_32.zip and Thunk95.zip from Adobe.