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ASTi

PC'ver Windows 7

Installation Guide

Document: DOC-01-PCVW7-IG-1

Product Name: PC'ver Windows 7 Installation Guide

ASTi PC'ver Windows 7 Installation Guide

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1.0. Introduction

PC'ver is a plug-and-play DIS radio and intercom communications suite of applications for the Windows® workstation. PC'ver provides simple intercom and DIS-based radio communications over existing IP network architectures.

The purpose of this document is to assist in the installation of PC'ver on a Windows 7 PC using either Microsoft Virtual PC or VMware® to run Windows XP. PC'ver is designed to operate on Windows XP 32-bit.

Windows is a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.
VMware is a registered trademark of VMware, Inc. in the United States and/or other jurisdictions.

2.0. Requirements

The minimum hardware requirements include:

- Windows 7 Professional, Enterprise, or Ultimate
- 2 GHz Core 2 Duo or higher Multi-Core Processor
- 2 Gigabyte (GB) RAM (32-bit) or 3 GB RAM (64-bit)
- Radius with firmware v3
- USB port (USB 1.1 and 2.0 supported)
- Standard network interface card (NIC / ethernet) (must be attached)
- Video card with a minimum resolution of 1152 x 864 (For best results, it is recommended to use video settings of 1280 x 1024.)
- Mouse
- Keyboard
- CD-ROM drive for software installation

The Radius USB device has been tested and works with the following headsets:

- Telex PH-44R5 (included with standard purchase)
- Telex PH-88R (not available with PC'ver purchase)

*The minimum hardware platform recommendation demonstrates satisfactory application performance. Note that other applications in use on the same PC may affect PC'ver performance.

3.0. Microsoft Virtual PC

Microsoft Virtual PC integrates XP mode into the Windows 7 environment. Follow the steps below to run PC'ver on Microsoft Virtual PC.

1. Download Microsoft XP Mode from here:

<http://www.microsoft.com/windows/virtual-pc/download.aspx>

Note: Microsoft recommends running anti-virus software on Windows XP mode.



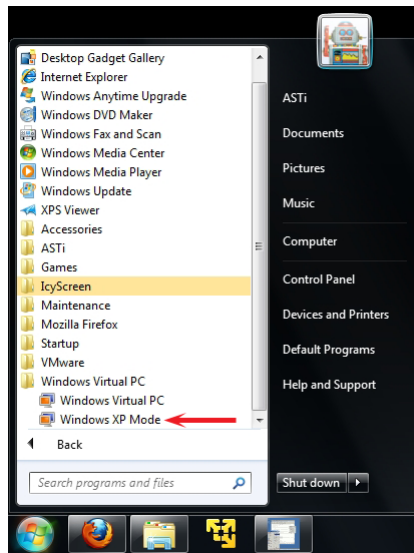
The screenshot shows the Microsoft Windows Virtual PC download page. At the top, there is a navigation bar with links for Home, Explore Windows, Products, Shop, Downloads, and Help & How-to. Below this, the page title is "Windows Virtual PC". There are three main steps outlined:

- STEP 1: Do I need Windows XP Mode?** This step explains that Windows 7 has built-in tools for program compatibility and that Windows XP Mode runs older productivity programs. It directs users to the Windows 7 Compatibility Center.
- STEP 2: Select your edition of Windows 7 and desired language for installation** This step features two dropdown menus: "Professional 32-bit" and "English".
- STEP 3: Download and install Windows XP Mode** This step states that Windows XP Mode requires downloading and installing files. It provides three download links: "Windows XP Mode", "Windows Virtual PC", and "Windows XP Mode update".

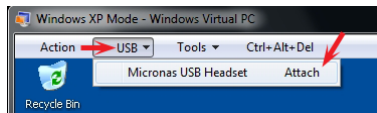
Below the steps, there are two footnotes: "*Windows XP Mode is a 500 Mb file and may take several minutes to download." and "**Enables Windows XP Mode for PCs without Hardware Assisted Virtualization Technology. For more information, visit the Frequently Asked Questions page." At the bottom, a text box provides instructions: "Once you have installed Windows XP Mode, click the Windows 7 Start button, then select All Programs > Windows Virtual PC > Windows XP Mode to begin setup. For information on how to set up Windows Virtual PC and Windows XP Mode, check out 'Running Windows XP Mode with Windows Virtual PC' on the Support and Videos page."

2. Locate the downloaded file and run the installer.
3. Follow the install instructions.

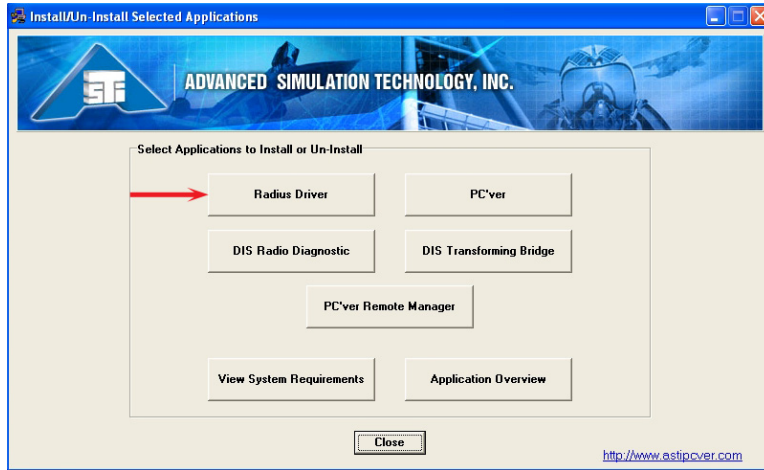
4. Select All Programs > Windows Virtual PC > Windows XP Mode to begin setup. Follow the prompts.



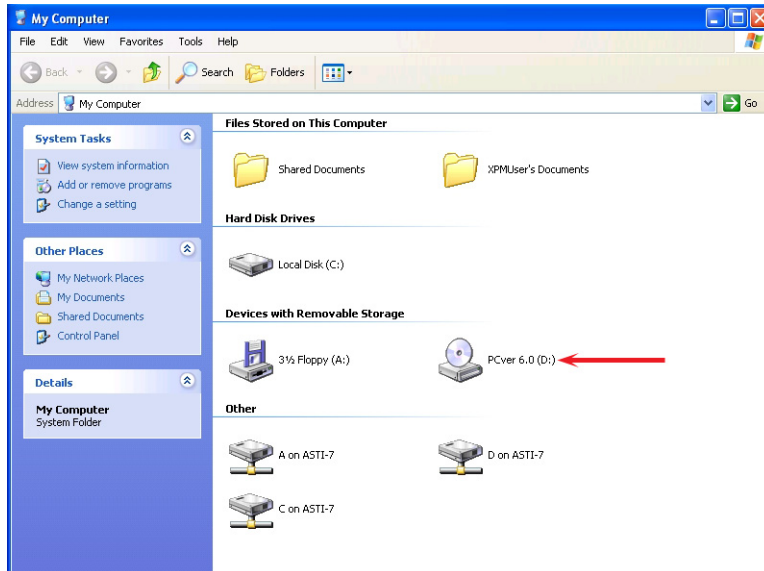
5. Once in XP mode connect the Radius to a USB port.
6. Attach the Radius Driver as a USB device. Navigate to USB > Attach.



7. Ensure that you are in Windows XP Mode and insert the PC'ver CD. The Install screen may auto-prompt upon inserting the disk.

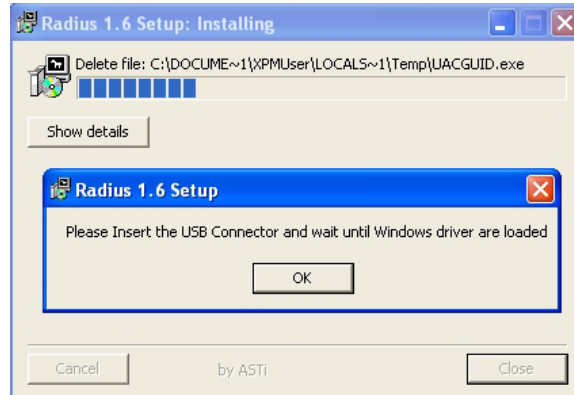


If the Install screen does not auto-prompt select the PC'ver disk.

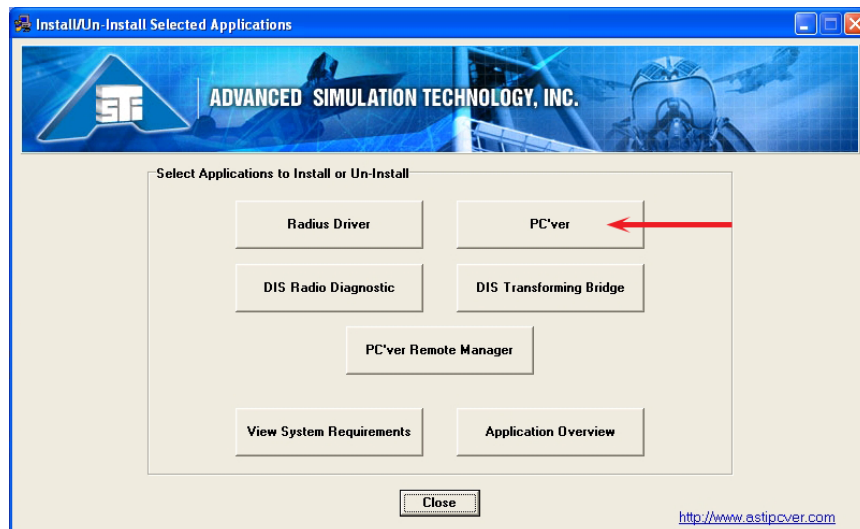


8. Select to install the Radius Driver.

9. During the Radius Driver setup you are prompted to connect the USB Radius device, if you have not done so already.



10. Install PC'ver and follow the prompts.



11. Disable all firewalls in XP and Windows 7.

See the PC'ver User Guide (DOC-01-PCVER-UG-1) for an overview of PC'ver's system requirements and features.

4.0. VMware Workstation or VMware Player

These instructions are written for VMware Player 3.x and VMware Workstation 7.x and may not work for older versions.

1. Download and install Windows XP Mode and XP Mode updates if necessary.

www.microsoft.com/windows/virtual-pc/download.aspx

Note: Microsoft recommends running anti-virus software on Windows XP mode.



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Windows Virtual PC

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Download Windows XP Mode

STEP 1 **Do I need Windows XP Mode?**
Windows 7 has several built-in tools to help with **program compatibility** and Windows XP programs should be installed directly on Windows 7. Windows XP Mode runs some older productivity programs that might not run on Windows 7. Visit the [Windows 7 Compatibility Center](#) to find software that works with Windows 7.

STEP 2 **Select your edition of Windows 7 and desired language for installation**
Professional 32-bit English

STEP 3 **Download and install Windows XP Mode**
Windows XP Mode requires downloading and installing the files below.

Download/install this first:*	Download/install this second:	Download/install this third:**
Windows XP Mode	Windows Virtual PC	Windows XP Mode update

*Windows XP Mode is a 500 Mb file and may take several minutes to download.
**Enables Windows XP Mode for PCs without Hardware Assisted Virtualization Technology. For more information, visit the [Frequently Asked Questions](#) page.

Once you have installed Windows XP Mode, click the Windows 7 Start button , then select All Programs > Windows Virtual PC > Windows XP Mode to begin setup. For information on how to set up Windows Virtual PC and Windows XP Mode, check out "Running Windows XP Mode with Windows Virtual PC" on the [Support and Videos](#) page.

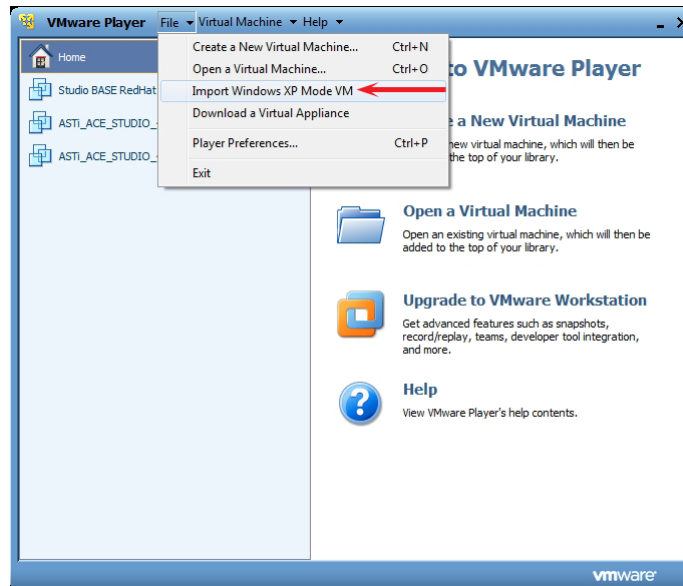
2. Install VMware Workstation or VMware Player following the VMware instructions.

www.vmware.com/

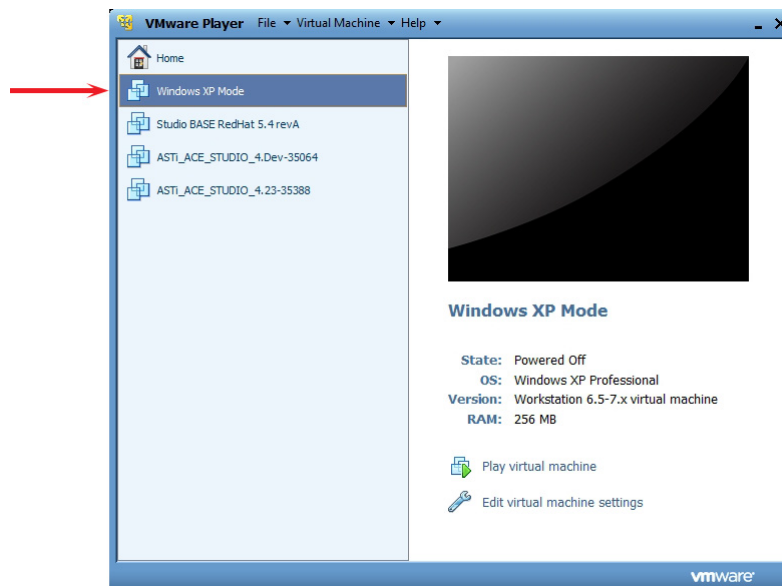
Note: Installing VMware tools is also recommended.

3. Reboot the computer after VMware installation.

4. Import XP Mode into VMware Player or VMware Workstation. Navigate to File > Import Windows XP Mode VM.

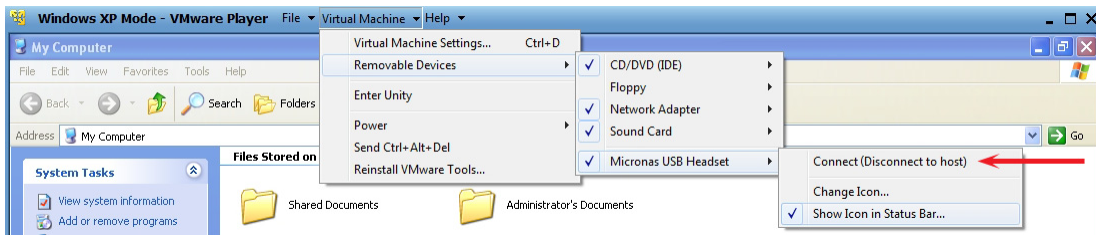


5. Start XP Mode.

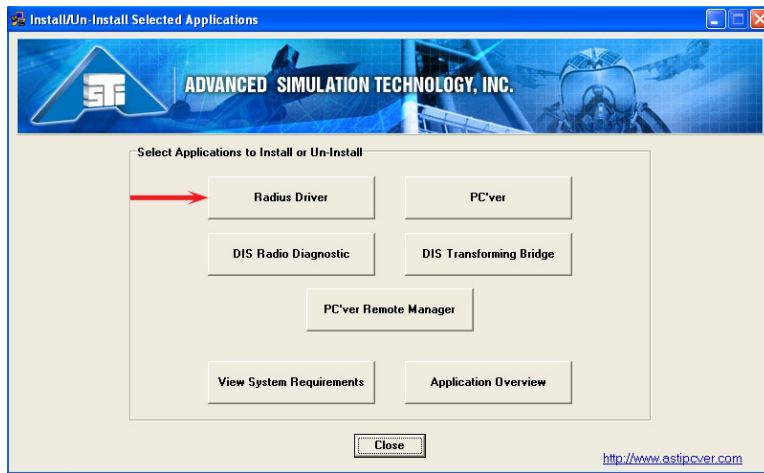


6. Follow the prompts to configure the Windows settings and passwords.
7. Once in XP mode connect the Radius device to a USB port.

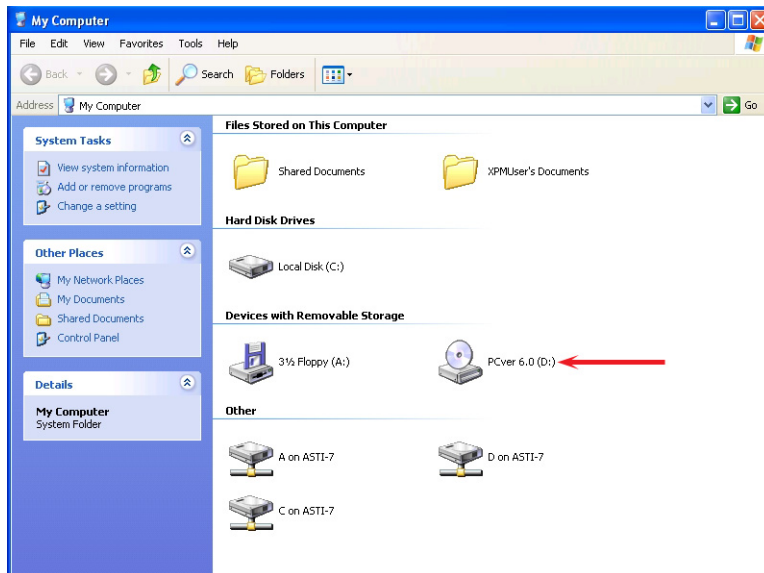
8. Attach the Radius as a USB device by selecting it inside the Virtual PC.



9. Ensure that you are in Windows XP Mode and insert the PC'ver CD. The PC'ver Install screen may auto-prompt upon inserting the disk.

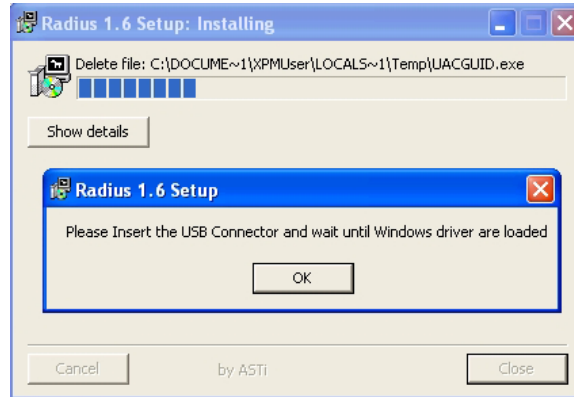


If the Install screen does not auto-prompt select the PC'ver disk.



10. Select to install the Radius Driver.

11. During the Radius Driver setup you are prompted to connect the USB Radius device, if you have not done so already.



12. Install PC'ver and follow the prompts.



13. Disable all firewalls in XP and Windows 7.

See the PC'ver User Guide (DOC-01-PCVER-UG-1) for an overview of PC'ver's system requirements and features.

5.0. Radius Firmware Update

5.1. Requirements

To update the Radius firmware you must have a PC running Windows XP 32-bit.

Caution: Do not use Microsoft Virtual PC or VMware to run Windows XP mode for the Radius update.

5.2. Install the Radius Driver

To install the driver for the Radius device associated with PC'ver select “Radius Driver” in the PC'ver star-up menu. The user is asked to connect the Radius USB device to the PC. Click “OK” after connecting it.

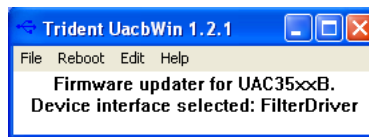


Windows designates the Radius device as the default audio device. From the Control Panel ensure that the Radius device is selected as the default Windows “Sound Playback” and the default “Sound Recording” device.

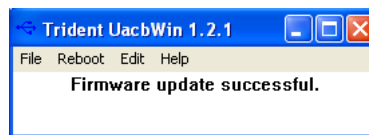
5.3. Upgrade the Radius Firmware

Follow the steps below to upgrade the Radius firmware.

1. Insert the firmware upgrade CD and run the files off the CD.
2. Connect the Radius directly to the PC without using a hub.
3. Double-click the “UacbWin.exe” file and select to run the install.
4. In the pop-up window, select Edit > Options. Under “Device Interface” select “Filter Driver” and click “Ok”.
5. The second line of the pop-up window should say “Device interface selected: Filter Driver.”



6. Under File select Update > Firmware and browse to find the “.hex” file on the firmware update CD and select it.
7. Select “Ok” wait as firmware updates.



Radius Upgrade Troubleshooting

1. Do not use a hub.
2. If the UacbWin appears to hang and does not finish after 5 minutes, unplug the Radius. Test the Radius to see if the Radius is still operational and if it reports the correct Firmware in PC'ver.