

**Windows 98 Installation Procedure for the USB Drivers (Virtual Com)**

**For Windows Me: Follow steps 1-8 on pages 7-12**

**For Windows 2000: Follow steps 1-11 on pages 13-18**

**For Windows XP: Follow steps 1-12 on pages 19-25**

1. Turn on the UPS and the computer. Connect one end of the USB cable to the USB port on the UPS. Connect the other end of the USB cable to the USB port on the computer. If the connection is successful and the USB device has never been installed on your PC, Figure 1 will be shown immediately. Then click the "Next" button to continue with the installation. (Figure 1)



Figure 1: Starting the search for driver for USB HID device

2. Select "Search for the best driver for your device (Recommended)" Then click the "Next" button to continue the installation. (Figure 2)



Figure 2: Search for the best driver for USB HID device

3. Insert the included USB Driver CD into the CD-ROM drive, then select "Specify a location", click on the "Browse" button, select the appropriate CD-ROM drive letter and the USB\_DRIVER folder (D:\USB\_DRIVER) then click the "Next" button. (Figure 3)



Figure 3: Search for the device's driver

4. In Figure 4, the Windows operating system has found the best driver for the USB-HID→COM device. Select "The updated driver-(Recommended)", and then press the "Next" button to continue.



Figure 4: Select installation type

- In Figure 5, press the “Next” button to continue the installation procedure.  
In Figure 5, the location of the driver is shown (Example: \USB\_DRIVER\HIDCOM.INF).



Figure 5: Installing the driver HIDCOM.INF file

- In Figure 6, the Windows Operating System has installed the software for the device. Then press the “FINISH” button to complete the installation.



Figure 6: Driver installed successfully

7. Then the hardware information of USB HID→COM device will be shown in the PC's Device Manager (see Figure 7). Note that the USB→COM device uses its own virtual COM port on the installed computer rather than existing COM ports. For instance, if the installation computer has 2 COM ports named COM1 and COM2, then the USB→COM device will be automatically identified as COM3. In some cases, the computer will need to be restarted for this virtual port to become available.

**(From the desktop, right-mouse click on the “My Computer” icon, select “Properties”, and click on the “Device Manager” tab).**

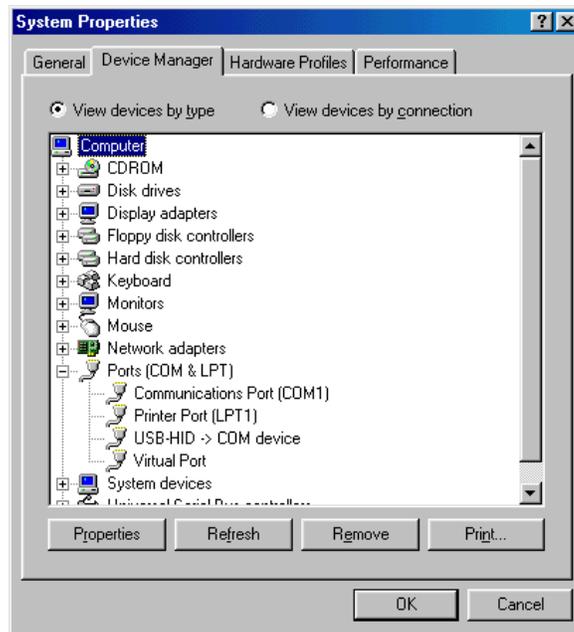
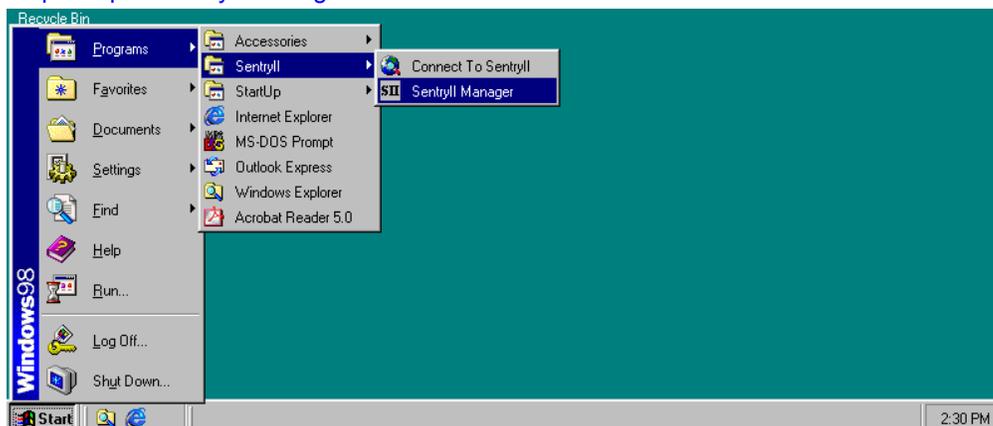


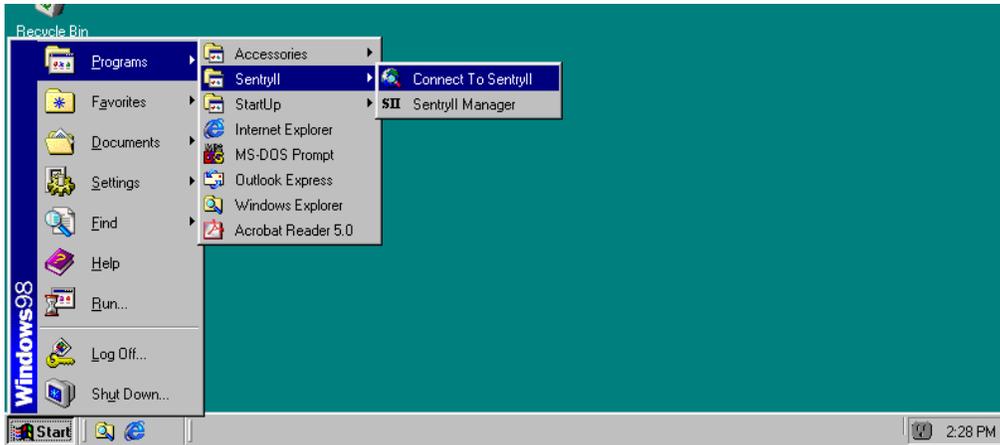
Figure 7: Hardware information of USB-HID->COM device

8. If you have already installed the Sentryll power monitoring software, then follow Steps 1 through 5. If you have not installed the Sentryll power monitoring software, see the Sentryll user's manual for the installation procedure.

#### Step 1: Open Sentryll manager



## Step 2: Connect to Sentryll

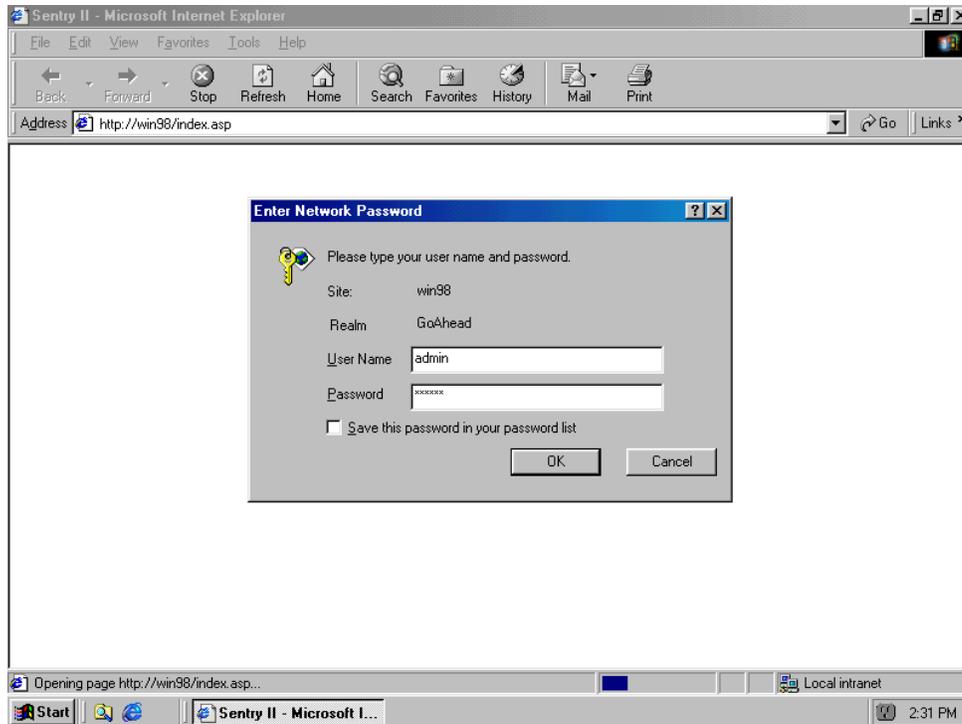


## Step 3: Choose or enter the correct Computer Name or IP Address and click "Connect"



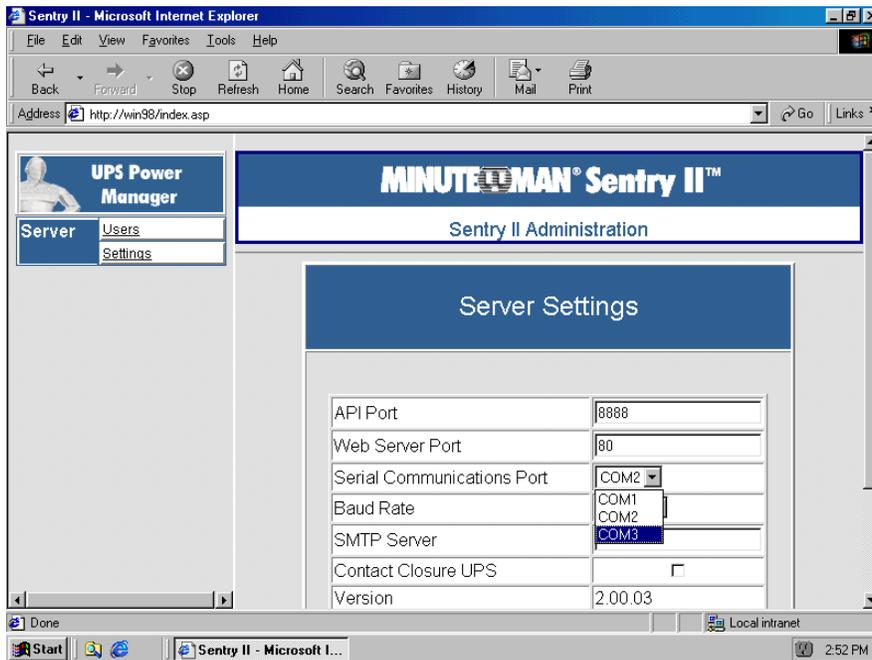
## Step 4: Enter your user name and password.

Default user name and password are both "admin"

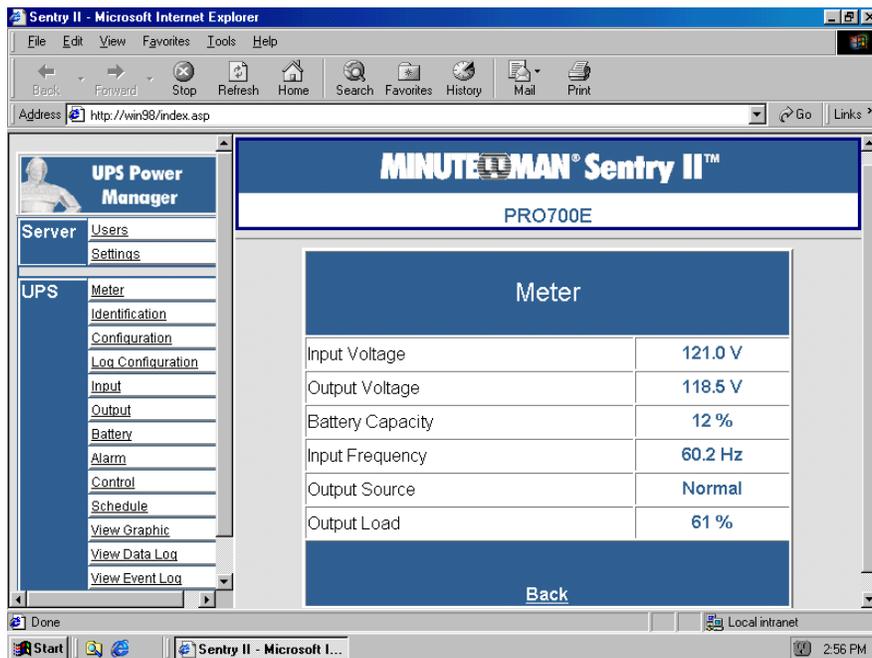


### Step 5: Server settings

First, select the correct COM port for the USB port and set the Baud Rate to 9600.  
Second, save the server settings and refresh the display window. In some cases, the computer will need to be restarted for the correct COM port to be visible.



### Step 6: Communication established successfully. The UPS is ready for normal operation.



## Windows (Me) Millennium Edition Installations

Under some circumstances, Windows Me fails to load the HIDCOM driver, and instead loads the Windows HID driver for the device. If this situation occurs, please follow the steps below to force Windows Me to use the HIDCOM driver:

1. Turn on the UPS and the computer. Connect one end of the USB cable to the USB port on the UPS. Connect the other end of the USB cable to the USB port on the computer. Next, open up the device manager. Find the Human Interface Device key related to USB to Serial and right click on it and select “Properties” (Figure 1).

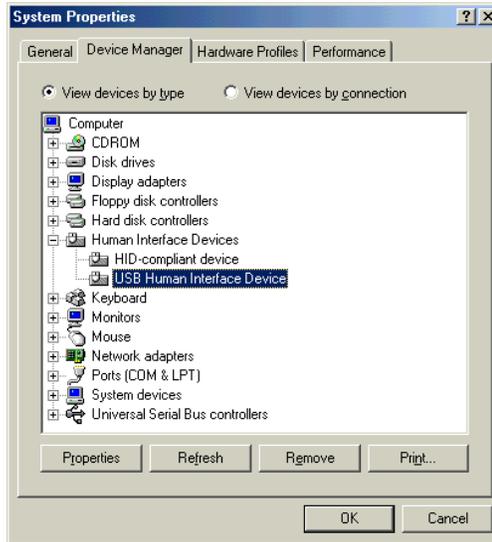


Figure 1: Locate the USB Human Interface Device in the Device Manager

2. Click “Update Driver”.



Figure 2: USB Human Interface Device Properties

3. The update wizard will launch. Select “Automatic search for a better driver (Recommended)” Click “Next” to start the update.



Figure 3: Upgrade Device Driver Wizard

4. Select “Search for a better driver for my device” and check the “Specify a location” box. Then, click “Browse” to locate folder for the USB driver and click “Next”.



Figure 4: Specify Driver Location

5. Verify that the "HIDCOM.INF" has been selected as the driver and click "Next".



Figure 5: Verify Driver Files to Install

6. Click "Finish" to complete the driver installation.

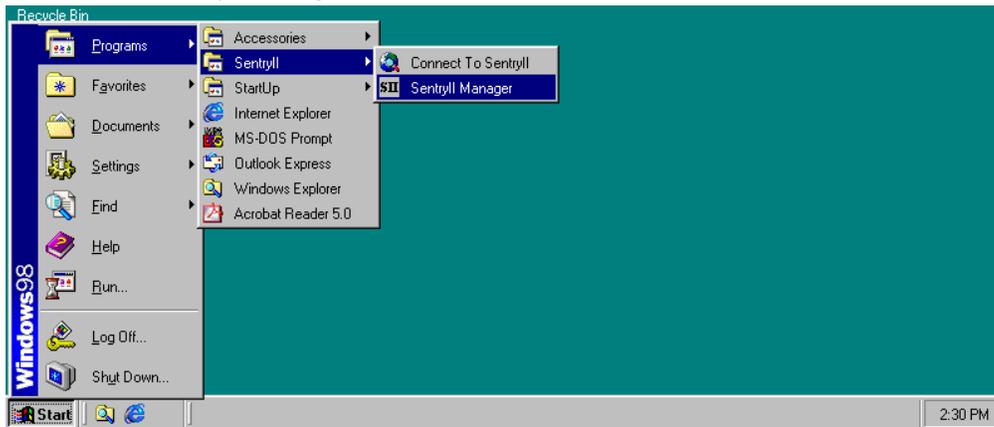


Figure 6: Browse for Updated Driver on CD-ROM

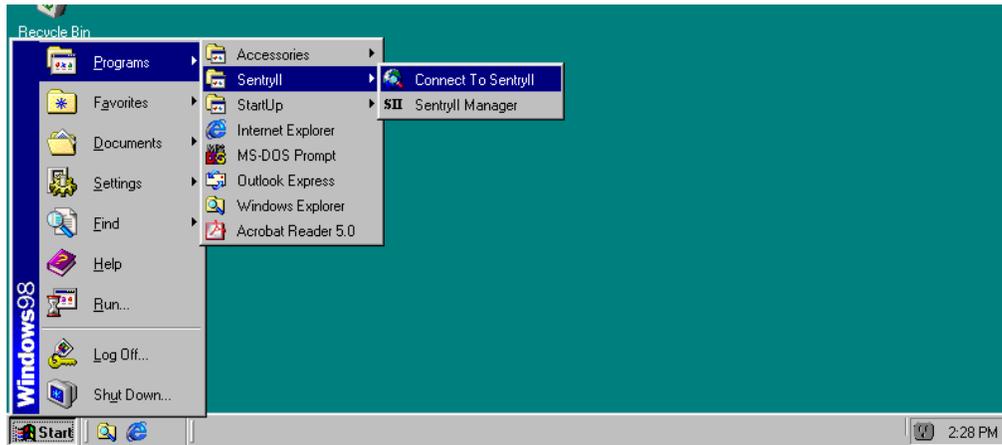
7. Be sure to restart the computer for the new changes to take effect. (Restarting the computer is recommended for all operating systems).

8. If you have already installed the Sentryll power monitoring software, then follow Steps 1 through 5. If you have not installed the Sentryll power monitoring software, see the Sentryll user's manual for the installation procedure.

**Step 1: Open Sentryll manager**



**Step 2: Connect to Sentryll**

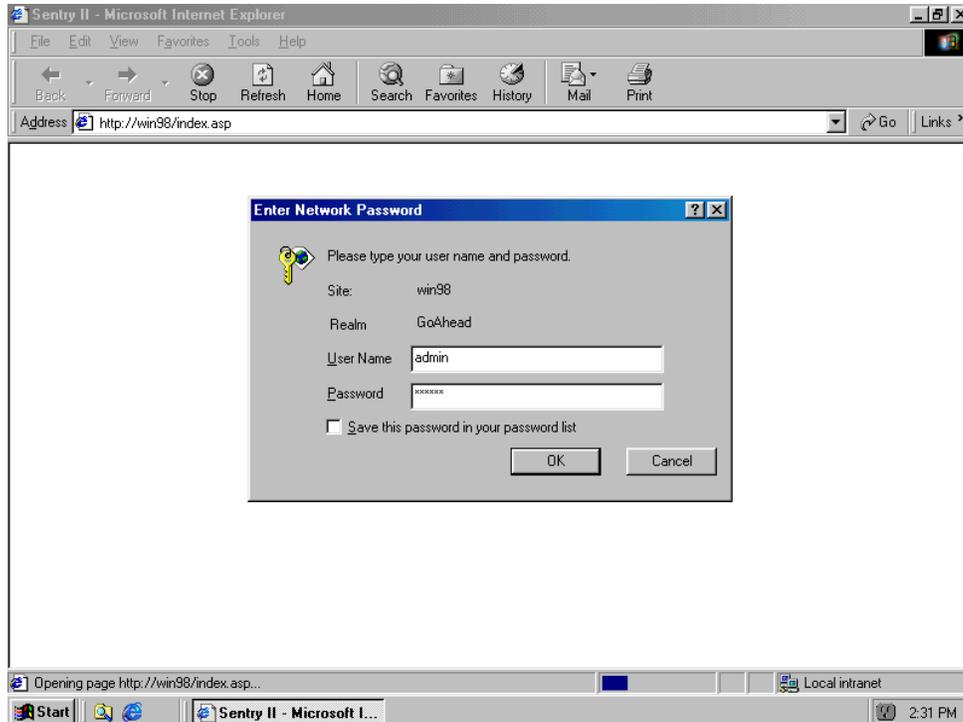


**Step 3: Choose or enter the correct Computer Name or IP Address and click "Connect"**



Step 4: Enter your user name and password.

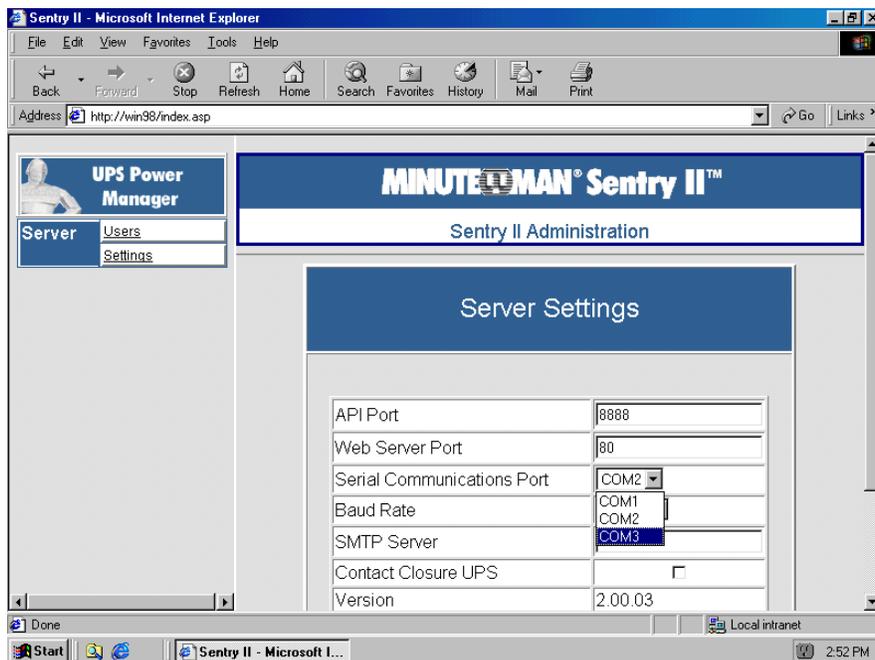
Default user name and password are both "admin"



Step 5: Server settings

First, select the correct COM port for the USB port and set the Baud Rate to 9600.

Second, save the server settings and refresh the display window. In some cases, the computer will need to be restarted for the correct COM port to be visible.



Step 6: Communication established successfully. The UPS is ready for normal operation.

**MINUTE MAN Sentry II™**  
PRO700E

**Meter**

Input Voltage	121.0 V
Output Voltage	118.5 V
Battery Capacity	12 %
Input Frequency	60.2 Hz
Output Source	Normal
Output Load	61 %

[Back](#)

**UPS Power Manager**

**Server**

- Users
- Settings

**UPS**

- Meter
- Identification
- Configuration
- Log Configuration
- Input
- Output
- Battery
- Alarm
- Control
- Schedule
- View Graphic
- View Data Log
- View Event Log

Done Local intranet 2:56 PM

## Windows 2000 Installations

Under some circumstances, Windows 2000 fails to load the HIDCOM driver, and instead loads the Windows HID driver for the device. If this situation occurs, please follow the steps below to force Windows 2000 to use the HIDCOM driver:

1. Turn on the UPS and the computer. Connect one end of the USB cable to the USB port on the UPS. Connect the other end of the USB cable to the USB port on the computer. Next, open up the device manager. Find the Human Interface Device key related to USB to Serial and right click on it and select "Properties" (Figure 1).

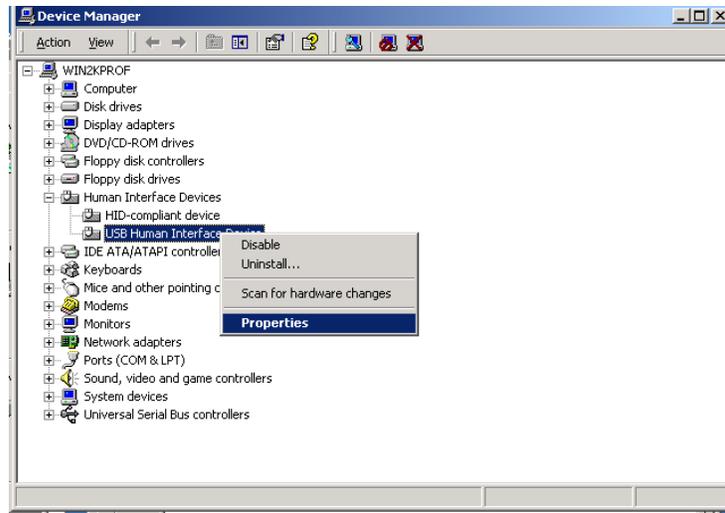


Figure 1: Locate the USB Human Interface Device in the Device Manager

2. Click "Update Driver".



Figure 2: USB Human Interface Device Properties

3. The update wizard will launch. Click “Next” to start the update.



Figure 3: Upgrade Device Driver Wizard

4. Select “Search for a suitable driver for my device”.



Figure 4: Install Hardware Device Drivers

5. Select "Specify a location" and click "Next".



Figure 5: Locate Driver Files

6. Click "Browse" and select your CD-ROM drive.



Figure 6: Browse for Updated Driver on CD-ROM

7. Then select "HIDCOM.INF" from the CD-ROM in the USB Driver folder.

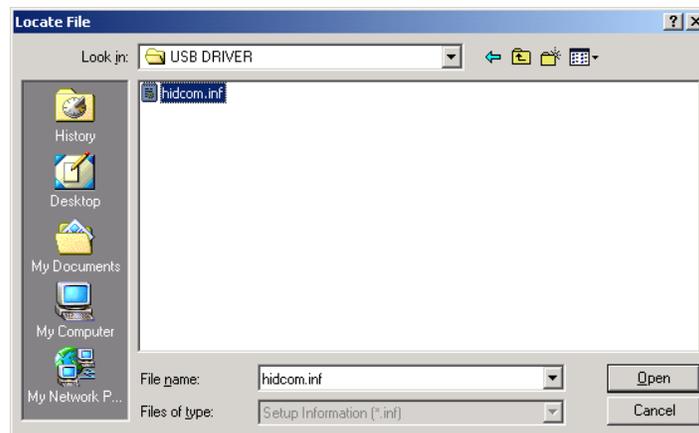


Figure 7: Locate Updated Driver File

- Click "Next".



Figure 8: Verify Driver File to Install

- Click "Finish" to complete the installation.



Figure 9: Verify Driver File to Install

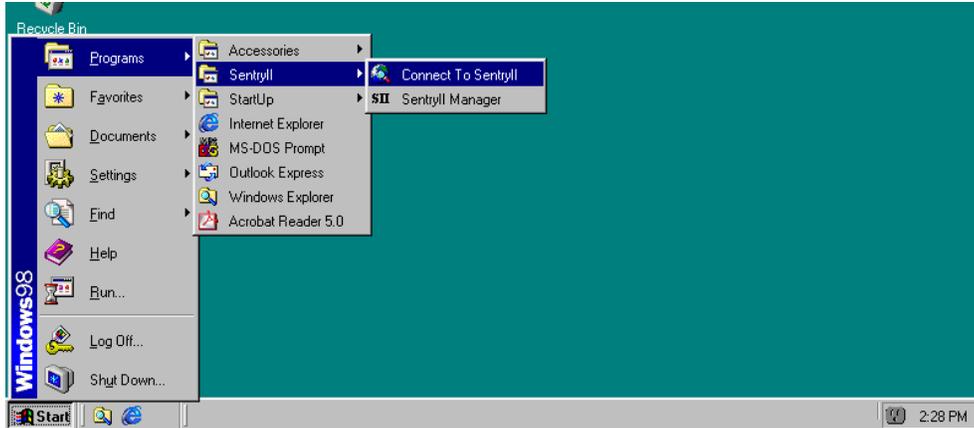
- If prompted, click "Yes" to restart the computer with the new changes in effect. (Restarting the computer is recommended for all operating systems).



Figure 10: Restart computer

11. If you have already installed the SentryII power monitoring software, then follow Steps 1 through 5. If you have not installed the SentryII power monitoring software, see the SentryII user's manual for the installation procedure. Be sure that the SentryII service is running in the Windows 2000 Services Control Panel. This service will start up automatically each time the computer is started after SentryII is installed.

### Step 1: Connect to SentryII

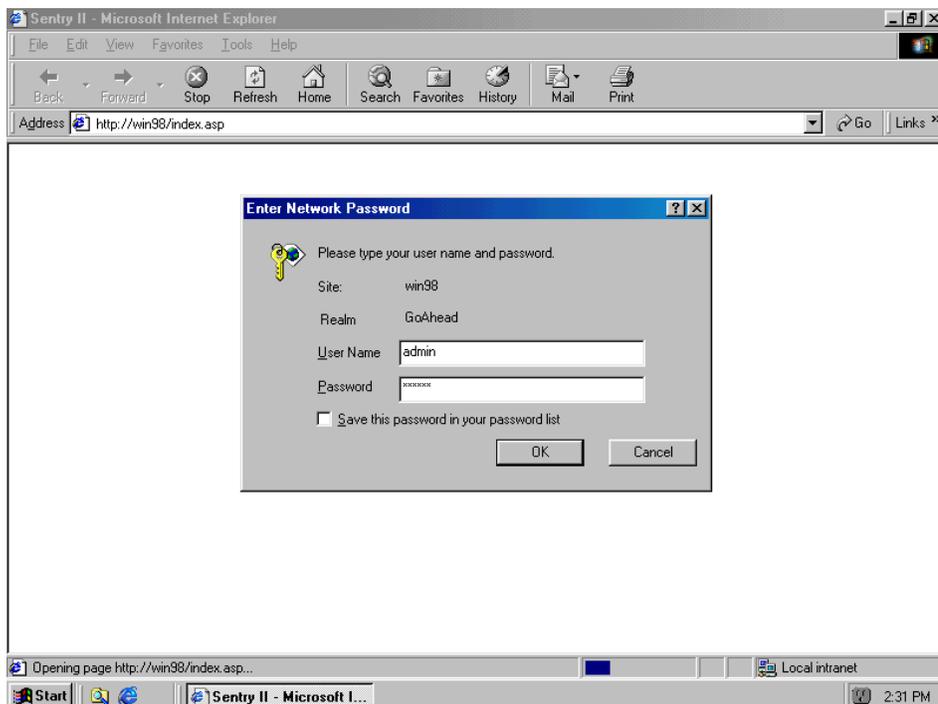


### Step 2: Choose or enter the correct Computer Name or IP Address and click "Connect"



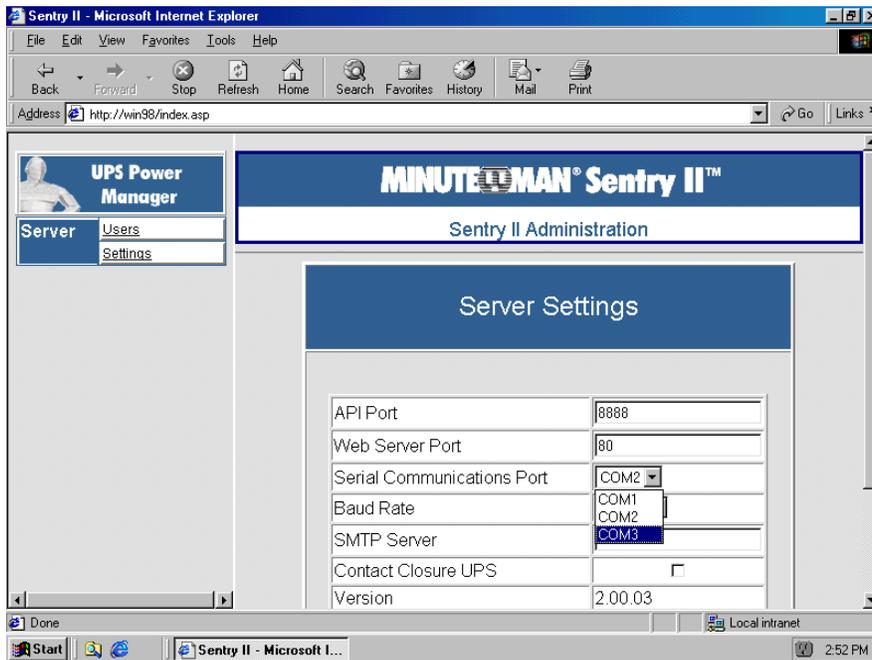
### Step 3: Enter your user name and password.

Default user name and password are both "admin"

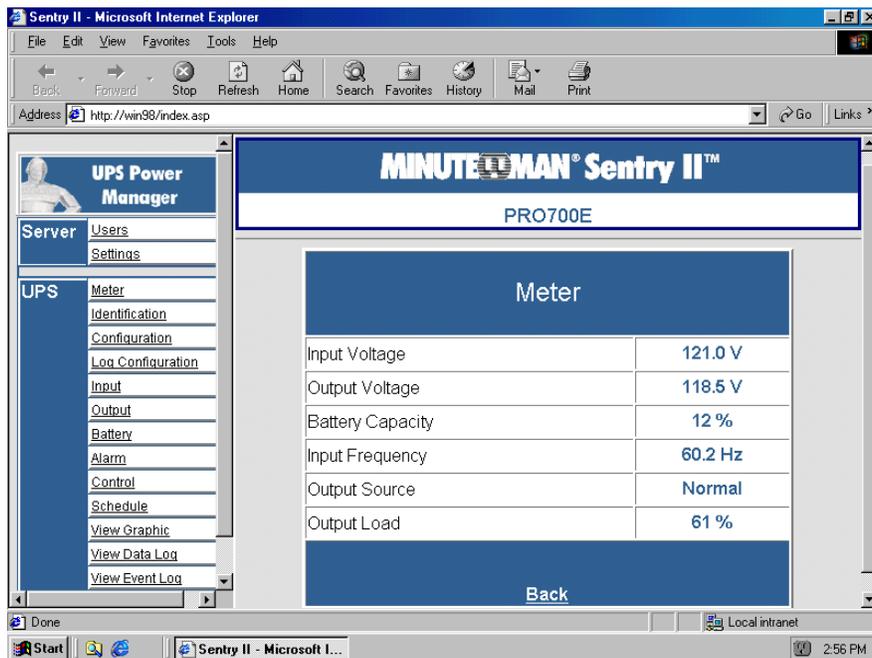


#### Step 4: Server settings

First, select the correct COM port for the USB port and set the Baud Rate to 9600.  
Second, save the server settings and refresh the display window. In some cases, the computer will need to be restarted for the correct COM port to be visible.



#### Step 5: Communication established successfully. The UPS is ready for normal operation.



## Windows XP Installations

Under some circumstances, Windows XP fails to load the HIDCOM driver, and instead loads the Windows HID driver for the device. If this situation occurs, please follow the steps below to force Windows XP to use the HIDCOM driver:

1. Turn on the UPS and the computer. Connect one end of the USB cable to the USB port on the UPS. Connect the other end of the USB cable to the USB port on the computer. Next, open up the device manager. Find the Human Interface Device key related to USB to Serial and right click on it and select “Update Driver”.

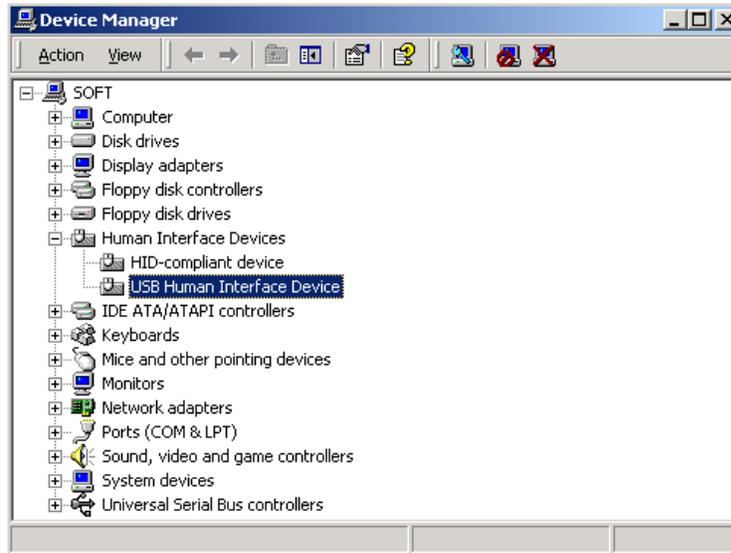


Figure 1: Locate the USB Human Interface Device in the Device Manager

2. Select “Install from a list or specific location (Advanced)”.



Figure 2: Hardware Update Wizard

3. Select "Don't search. I will choose the driver to install".

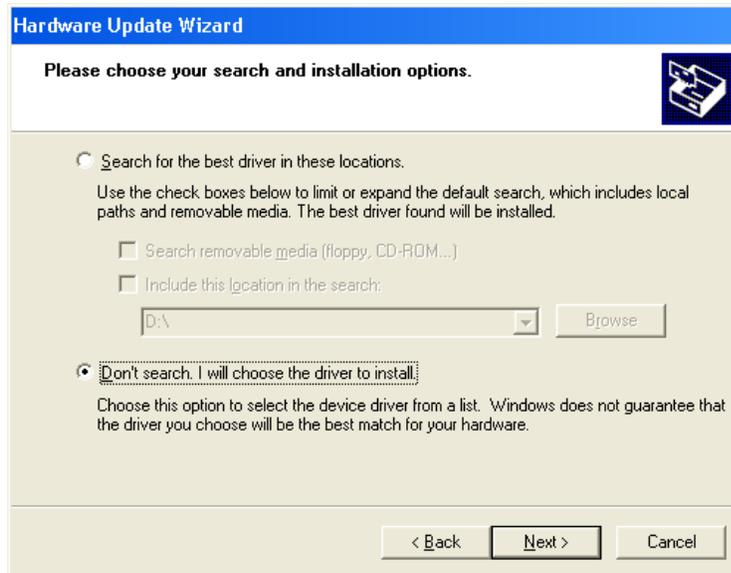


Figure 3: Choose Search and Installation Options

4. Click "Browse" and select your CD-ROM drive.

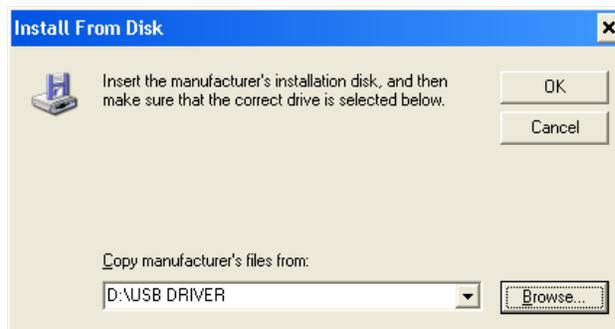


Figure 4: Install Driver from Disk

5. Then select "HIDCOM.INF" from the CD in the USB Driver folder.

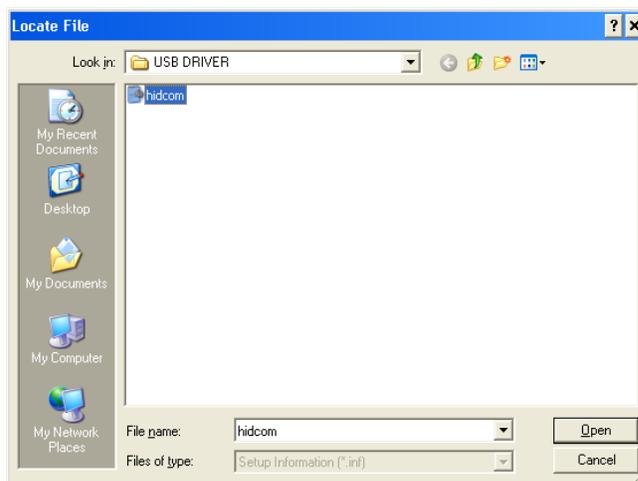


Figure 5: Locate Updated Driver File

6. Click "Next".

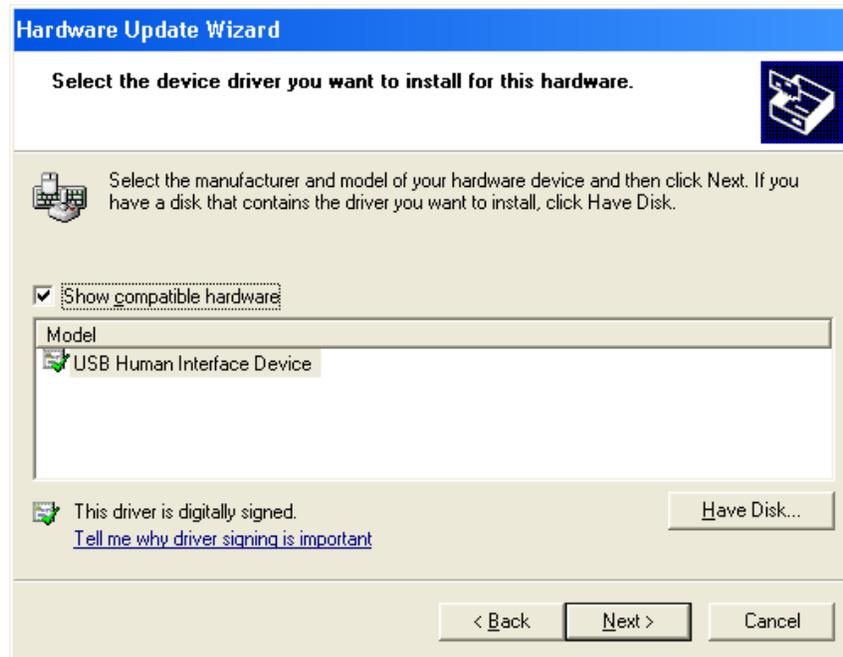


Figure 6: Show Current Device Driver

7. Click "Next".

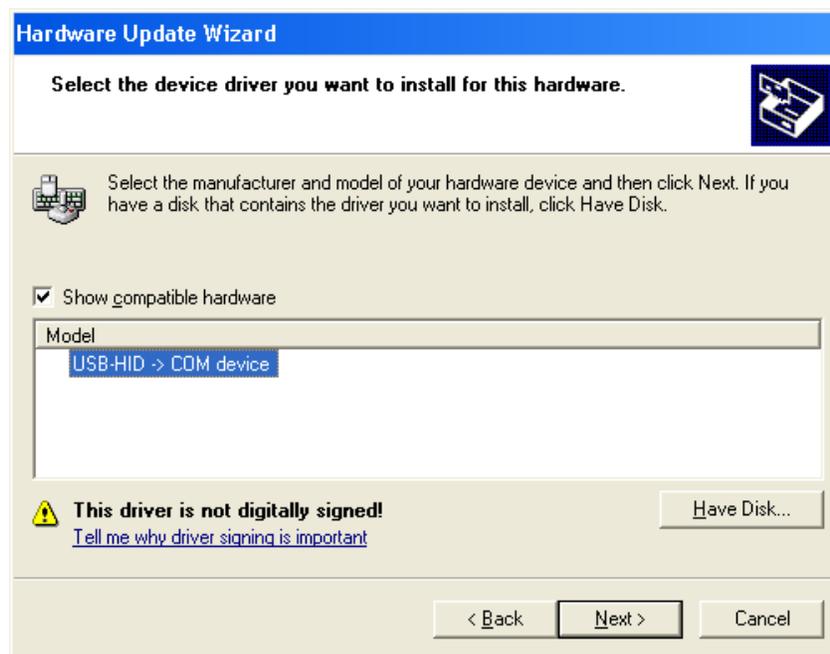


Figure 7: Show Updated Device Driver

8. Click "Continue Anyway".



Figure 8: Windows Logo Testing Screen

9. Wait for Windows XP to set a restore point and install the device driver, then click "Next" to continue.



Figure 9: Creation of Restore Point and Driver Installation

- Click "Finish" to complete the driver installation and close the update wizard.



Figure 10: Finish Installation

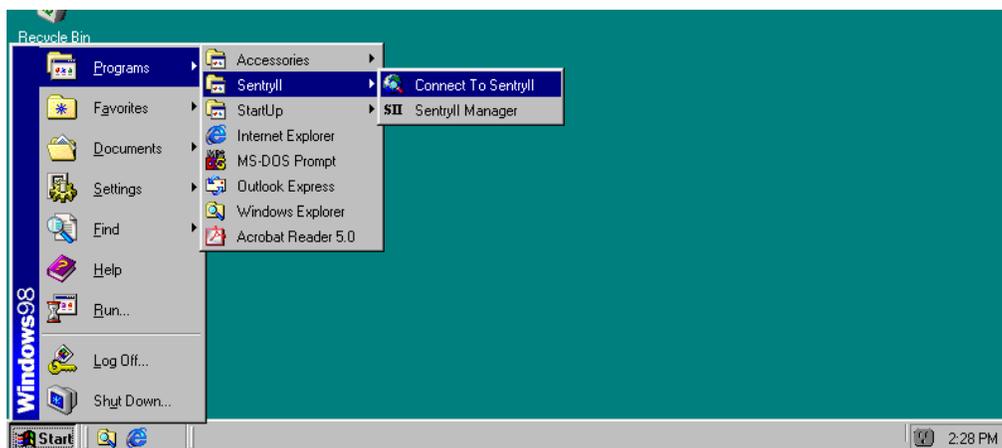
- Click "Yes" to restart the computer with the new changes in effect. (Restarting the computer is recommended for all operating systems).



Figure 11: Restart Computer

- If you have already installed the Sentryll power monitoring software, then follow Steps 1 through 5. If you have not installed the Sentryll power monitoring software, see the Sentryll user's manual for the installation procedure. Be sure that the Sentryll service is running in the Windows XP Services Control Panel. This service will start up automatically each time the computer is started after Sentryll is installed.

### Step 1: Connect to Sentryll

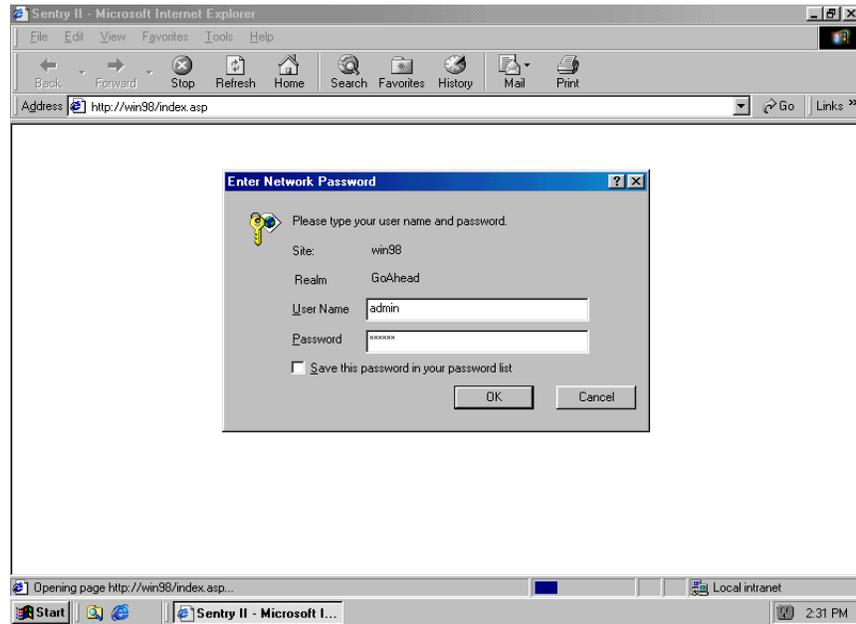


Step 2: Choose or enter the correct Computer Name or IP Address and click "Connect"



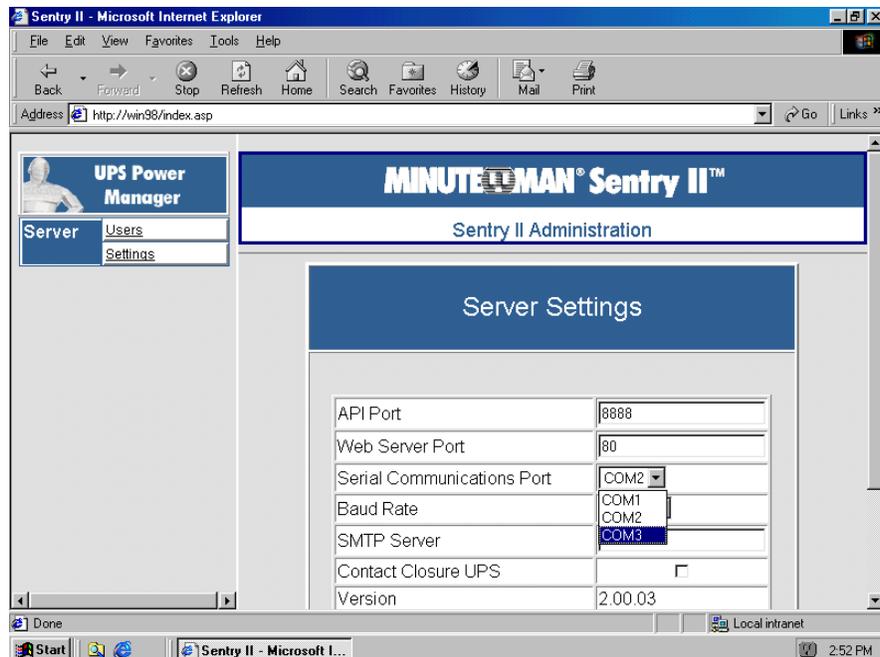
Step 3: Enter your user name and password.

Default user name and password are both "admin"



Step 4: Server settings

First, select the correct COM port for the USB port and set the Baud Rate to 9600. Second, save the server settings and refresh the display window. In some cases, the computer will need to be restarted for the correct COM port to be visible.



Step 5: Communication established successfully. The UPS is ready for normal operation.

The screenshot shows a Microsoft Internet Explorer browser window displaying the Sentry II PRO700E web interface. The address bar shows the URL <http://win98/index.asp>. The page title is "Sentry II - Microsoft Internet Explorer".

The main content area is titled "MINUTE MAN® Sentry II™ PRO700E". Below this, there is a "Meter" section containing a table of real-time data:

Meter	
Input Voltage	121.0 V
Output Voltage	118.5 V
Battery Capacity	12 %
Input Frequency	60.2 Hz
Output Source	Normal
Output Load	61 %

Below the table is a "Back" button. The left sidebar contains a navigation menu with the following items:

- UPS Power Manager
- Server
  - Users
  - Settings
- UPS
  - Meter
  - Identification
  - Configuration
  - Log Configuration
  - Input
  - Output
  - Battery
  - Alarm
  - Control
  - Schedule
  - View Graphic
  - View Data Log
  - View Event Log

The browser's status bar shows "Done" and "Local intranet". The taskbar at the bottom shows the Start button, a search icon, and the active window "Sentry II - Microsoft I...". The system clock shows "2:56 PM".