

Windows Driver Guide

(Windows 2000 or later, Installer version)

Revision History

| Date | Revision | Description |
|------------|----------|--|
| 31-08-2010 | Rev 1.0 | Based on Rev 1.630 |
| 27-10-2010 | Rev 1.1 | Procedure for adding printer through Parallel Port after driver installation |
| 24-01-2011 | Rev 1.2 | Modification in the section 3-1 & 3-2. |
| 08-02-2011 | Rev 1.3 | Procedure for adding printer through Serial Port after driver installation |

Operating system

TVS Electronics drivers are designed to work on any of following operating systems.

Microsoft Windows 2000 (SP4 or later)

Microsoft Windows XP

Microsoft Windows Server 2003 (The functions in terminal mode are limited.)

Microsoft Windows Vista Microsoft Windows 7

Windows Installer 3.x needs to be installed for driver installation.

(This software is automatically installed by Windows update.)

Windows Installer can be downloaded from following site.

http://www.microsoft.com/downloads/details.aspx?FamilyID=5fbc5470-b259-4733-a914-a956122e08e8&displaylang=en

2. Supported printer models and interfaces.

Drivers for "TVS Electronics" printers are listed as follows.

| Thermal printer | RP-4150 | Standard driver |
|-----------------|---------|-----------------|
| | RP-3200 | Standard driver |
| | RP-3300 | Standard driver |
| | RP-35 | Standard driver |

Supported interfaces are

- 1. Parallel interface
- 2. USB interface
- 3. Serial interface

Caution

USB Virtual com driver

If you use RP-4150 with setting for V-COM, USB drivers need to be installed before Windows driver installation. Please refer to the separate manual for USB driver.

Multiple drivers on one PC

This driver installer does not allow installing more than two same printers to the one PC. If you want to connect multiple same printers to one PC, please use non-installer type driver.

3. Install and uninstall the driver

These instructions use Windows XP as the example operating system. Windows 2000, Windows Server 2003, Vista or 7 are similar.

Remarks: User must have administrator right. Uninstall the older drivers prior to the installation.

This explanation does not include anything about User Account Control (UAC)

Do not turn on the printer connected to the PC before before installing the driver.

3-1. Install the driver

Run the driver installer file by the user with Administrator right. "Welcome" window shows up. Press "Next" button.

| TVS Electronics RP 3200 Software Setup - InstallShield Wizard | |
|---|---|
| | Welcome to the InstallShield Wizard for TVS Electronics RP 3200 Software Setup |
| | The InstallShield Wizard will install TVS Electronics RP 3200 Software Setup on your computer. To continue, click Next. |
| | < Back Next > Cancel |

If you can accept the License Agreement, choose "I accept..." and press "Next".

| TVS Electronics RP 3200 Software Setup - InstallShield Wizard |
|--|
| License Agreement Please read the following license agreement carefully. |
| IMPORTANT This User License Agreement ("ULA") is a legal agreement between you and TVS Electronics Limited. ("TVS-E") and governs your use of SOFTWARE (Printer Driver). Your use of the SOFTWARE is deemed to be your acceptance of the Terms and Conditions of this ULA set out below. You only may use the SOFTWARE if you agree to abide by the following Terms and Conditions. If you decline to agree, you are not authorized to use the SOFTWARE. |
| Terms and Conditions |
| I accept the terms of the license agreement Print I do not accept the terms of the license agreement |
| < Back Next > Cancel |

Choose the Connected Interface to the printer:

If you connect the Printer through Parallel Port, Choose LPT and Press OK

If you connect the Printer through USB Port, Choose USB and Press OK

You can choose only 1 interface here.

(The interface shown depends on the PC and Windows environment.)

| DIFxIn | nst.exe - Port Selection 🛛 🗙 | | | ĸ |
|-------------|------------------------------|--------------------|-----------|---|
| Selea | Selection of the port | | | |
| | | | | |
| Select | ion of output port | | | |
| | Port | Description | | |
| | USB: | Plug and Play Port | | |
| | LPT: | Plug and Play Port | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| DIEvlost | ava | | | |
| Dir Xirist. | CAC . | | | |
| | | | OK Cancel | |

This kind of warning may show up once or twice. Please press "Continuous Anyway" on this screen.

| Software | e Installation |
|----------|--|
| <u>.</u> | The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP. (<u>Tell me why</u> <u>this testing is important.</u>) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the software vendor for software that has passed Windows Logo testing. |
| | Continue Anyway STOP Installation |

The installation is finished.

| TVS Electronics RP 3200 P | rinter Driver (x32) - InstallShield Wizard |
|---------------------------|---|
| | InstallShield Wizard Complete The InstallShield Wizard has successfully installed TVS Electronics RP 3200 Printer Driver (x32). Click Finish to exit the wizard. |
| | < Back Finish Cancel |

If the interface is USB, turn on printer connected to the PC. Then following additional steps automatically starts.

Choose "No, not this time" here.



Follow Either Step 1 or Step 2 below for adding Printer in Printer & Faxes.

1. Select Install the Software automatically (Recommended) option.

| Found New Hardware Wiz | ard |
|------------------------|--|
| | This wizard helps you install software for: TVS ElectronicsRP 3200 If your hardware came with an installation CD or floppy disk, insert it now. |
| | What do you want the wizard to do? Install the software automatically (Recommended) Install from a list or specific location (Advanced) Click Next to continue. |
| | < Back Next > Cancel |

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



Click Next.

Choose the Printer Driver from the following Path:

"C:\Program Files\TVS Electronics\Printer Driver\RP 3200\bin_Im"



Click Next.

This kind of message may shows up. As this driver does not have any problem, please go ahead by pressing "Continue Anyway" button.

| | <u>.</u> | Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the software vendor for software that has passed Windows Logo testing. |
|--|----------|--|
|--|----------|--|

Then installation is finished with the message of "Finish".



Please check if the driver is added in "Printers and Faxes" windows.

If the interface is Parallel, turn on printer connected to the PC. Then perform the additional steps.

Go to Printer & Faxes, Select Add Printer Option, Press Next.

| Address 🍓 Printers and Faxes | | |
|---|--------------------|--|
| Printer Tasks | Add Printer Wizard | |
| Add a printer Set up faxing | | Welcome to the Add Printer Wizard |
| See Also | | This wizard helps you install a printer or make printer connections. |
| Troubleshoot printing Get help with printing | | If you have a Plug and Play printer that connects through a USB port (or any other hot pluggable port, such as IEEE 1394, infrared, and so on), you |
| Other Places | | do not need to use this wizard. Click Cancel to close the wizard, and then plug the printer's cable into your computer or point the printer toward your computer's infrared port, and turn the printer on. Windows will automatically install the printer for you. |
| My Documents | | To continue, click Next. |
| Details | × | < Back Next > Cancel |

Select Local Printer attached to this Printer option and Press Next to Proceed,

| Add Printer Wizard |
|---|
| Local or Network Printer The wizard needs to know which type of printer to set up. |
| Select the option that describes the printer you want to use: |
| O Local printer attached to this computer |
| Automatically detect and install my Plug and Play printer |
| A network printer, or a printer attached to another computer |
| To set up a network printer that is not attached to a print server, use the "Local printer" option. |
| < Back Next > Cancel |

Choose LPT1 option from the following window:

| Add Printer Wizard | | |
|--|--|--|
| Select a Printer Port Computers communicate with printers through ports. | | |
| Select the port you want your printer to use. If the port is not listed, you can create a new port | | |
| ⊙ Use the following port: LPT1: (Recommended Printer Port) | | |
| Note: Most computers use the LPT1: port to communicate with a local printer. The connector for this port should look something like this: | | |
| | | |
| Create a new port: Type of port: Local Port | | |
| < Back Next > Cancel | | |

Choose TVSE from the Manufacturer and TVS Electronics RP4150 from Printers Press NEXT

| Add Printer Wizard |
|--|
| Install Printer Software The manufacturer and model determine which printer software to use. |
| Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software. |
| Manufacturer Printers Texas Instruments TVS Electronics RP 3300 TVS Electronics TVS Electronics RP 4150 TVS Electronics LTD TVS Electronics RP 35 TVSE TVS Electronics RP 3200 |
| This driver is not digitally signed! Tell me why driver signing is important |
| < Back Next > Cancel |

Select the option YES (To set the printer as default printer).

| Add Printer Wizard |
|---|
| Name Your Printer You must assign a name to this printer. |
| Type a name for this printer. Because some programs do not support printer and server name combinations of more than 31 characters, it is best to keep the name as short as possible. |
| Printer name: TVS Electronics RP 4150 |
| Do you want to use this printer as the default printer? |
| ⊙ Yes |
| ○ No |
| |
| |
| |
| <pre></pre> |

If you no need to share the printer, select Do not share this printer, Press NEXT.

| Add Printer Wizard |
|--|
| Printer Sharing You can share this printer with other network users. |
| If you want to share this printer, you must provide a share name. You can use the suggested name or type a new one. The share name will be visible to other network users. |
| Do not share this printer |
| O Share name: |
| |
| |
| |
| |
| |
| |
| <pre></pre> |

Select YES to print a test page

| Add Printer Wizard |
|--|
| Print Test Page To confirm that the printer is installed properly, you can print a test page. |
| Do you want to print a test page? |
| ⊙ Yes |
| ○ No |
| < Back Next > Cancel |

Press FINISH

| Add Printer Wizard | | |
|--------------------|--|--|
| | Completing the Add Printer Wizard You have successfully completed the Add Printer Wizard. You specified the following printer settings: | |
| | Name: Share name: Port: Model: Default: Test page: | TVS Electronics RP 4150 <not shared=""> LPT1: TVS Electronics RP 4150 Yes Yes</not> |
| | To close this | wizard, click Finish. |
| | | < Back Finish Cancel |

Press CONTINUE ANYWAY

| Add | Hardwar | e Installation | |
|-----|----------|---|--------|
| | <u>.</u> | The software you are installing for this hardware: Printers has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing. | zard. |
| | | Continue Anyway STOP Installation | |
| | | | |
| | | < <u>B</u> ack Finish | Cancel |

Click Finish to complete the add printer wizard

| Add | Printer Wizard | |
|-----|--|-------------------------|
| | Completing the Add P | rinter |
| | TVS Electronics RP 4150 | |
| | A test page is now being sent to the printer. Depending on the speed of your printer, it may take a minute or two before the page is printed. | d Printer Wizard. s: |
| | The test page briefly demonstrates the printer's ability to print graphics and text, and it provides technical information about the printer driver. | |
| | If the test page printed, click OK. If the test page did not print, click Troubleshoot. | |
| | OK Troubleshoot | |
| | To close this wizard, click Finish. | |
| | < <u>B</u> ack Fir | ish Cancel |

Please check if the driver is added in "Printers and Faxes" windows.

If the interface is Serial, turn on printer connected to the PC. Then perform the additional steps.

Go to Printer & Faxes, Select Add Printer Option, Press Next.

| Address S Printers and Faxes | | | |
|---|---|--------------------|--|
| Printer Tasks | ٨ | Add Printer Wizard | |
| Add a printer Set up faxing | | | Welcome to the Add Printer Wizard |
| See Also | ۲ | | This wizard helps you install a printer or make printer connections. |
| Troubleshoot printing Get help with printing | | | If you have a Plug and Play printer that connects through a USB port (or any other hot pluggable port, such as IEEE 1394, infrared, and so on), you |
| Other Places | * | | do not need to use this wizard. Click Cancel to close the wizard, and then plug the printer's cable into your computer or point the printer toward your computer's infrared port, and turn the printer on. Windows will automatically install the printer for you. |
| Scanners and Cameras My Documents My Pictures My Computer | | | To continue, click Next. |
| Details | * | | < Back Next > Cancel |

Select Local Printer attached to this Printer option and Press Next to Proceed,

| Add Printer Wizard |
|---|
| Local or Network Printer The wizard needs to know which type of printer to set up. |
| Select the option that describes the printer you want to use: |
| O Local printer attached to this computer |
| Automatically detect and install my Plug and Play printer |
| A network printer, or a printer attached to another computer |
| To set up a network printer that is not attached to a print server, use the "Local printer" option. |
| < Back Next > Cancel |

Choose COM1: (Serial Port) option from the following window:

| Add Printer Wizard | | |
|--|--|--|
| Select a Printer Port Computers communicate with printers through ports. | | |
| Select the port you want your printer to use. If the port is not listed, you can create a new port. | | |
| Our Set the following port: COM1: (Serial Port) | | |
| Note: Most computers use the LPT1: port to communicate with a local printer. The connector for this port should look something like this: | | |
| | | |
| Create a new port: | | |
| | | |
| < Back Next > Cancel | | |

Choose TVSE from the Manufacturer and TVS Electronics RP3300 from Printers Press NEXT

| Add Printer Wizard |
|--|
| Install Printer Software The manufacturer and model determine which printer software to use. |
| Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software. |
| Manufacturer Printers Toshiba TVS Electronics RP 3300 TVSE TVS Electronics RP 3200 TVSE Varityper |
| This driver is not digitally signed! Tell me why driver signing is important |
| < Back Next > Cancel |

Select the option YES (To set the printer as default printer).

| Add Printer Wizard |
|---|
| Name Your Printer You must assign a name to this printer. |
| Type a name for this printer. Because some programs do not support printer and server name combinations of more than 31 characters, it is best to keep the name as short as possible. |
| Printer name: TVS Electronics RP 3300 |
| Do you want to use this printer as the default printer? |
| |
| |
| < Back Next > Cancel |

If you no need to share the printer, select Do not share this printer, Press NEXT.

| Add Printer Wizard |
|--|
| Printer Sharing You can share this printer with other network users. |
| If you want to share this printer, you must provide a share name. You can use the suggested name or type a new one. The share name will be visible to other network users. |
| Do not share this printer |
| O Share name: |
| |
| |
| |
| |
| |
| |
| < Back Next > Cancel |

Select YES to print a test page

| Add Printer Wizard |
|--|
| Print Test Page To confirm that the printer is installed properly, you can print a test page. |
| Do you want to print a test page? |
| ⊙ Yes |
| O No |
| < Back Next > Cancel |

Press FINISH

| Add Printer Wizard | | | |
|--------------------|--|-------------------------|--|
| | Completing the Add Printer Wizard | | |
| | You have successfully completed the Add Printer Wizard. You specified the following printer settings: | | |
| | Name: | TVS Electronics RP 3300 | |
| | Share name: | <not shared=""></not> | |
| | Port: | СОМ1: | |
| | Model: | TVS Electronics RP 3300 | |
| | Default: | Yes | |
| | Test page: | Yes | |
| | | | |
| | | | |
| | To close this wizard, click Finish. | | |
| | | < Back Finish Cancel | |

Press CONTINUE ANYWAY



Click Finish to complete the add printer wizard

Please check if the driver is added in "Printers and Faxes" windows.

Procedure to modify the port settings for serial port:

Right Click on Printer model "TVS Electronics RP3300" and select "Properties"



Select Port as "COM1:" and click on "Configure Port..." under Ports tab.

| General S | haring Ports TVS Electroni | Advanced | Security | Device Settings | Tool |
|---------------|--|--------------------|----------------------|--------------------|-------|
| Print to the | e following port | t(s). Documen | ts will print t | o the first free | |
| | Description 2: Printer Po 3: Printer Po 12: Serial Port 13: Serial Port 14: Serial Port | on rt t t | Printer Epson LX- | 300+ | |
| | 11: Serial Por : Print to Fil | t e | TVS Elect | ronics RP 3300, V. | Ĵ |
| Add Enable | l Port bidirectional s printer pooling | Delete upport | Port | Configure Po | rt |
| | | ОК | | Cancel | Apply |

COM1 Properties window shows the serial port settings.

Select the baud rate which you wish, (By default the baud rate is 9600BPS). Then Click Apply and Ok.

Note: The same Port Settings should be selected in the Printer also. (Refer User manual to change the port settings)

| COM1 Properties | | | ? 🔀 |
|------------------|----------|---------|----------|
| Port Settings | | | |
| | | | |
| Bits per second: | 9600 | | ~ |
| Data bits: | 8 | | ~ |
| Parity: | None | | ~ |
| Stop bits: | 1 | | ~ |
| Flow control: | Hardware | | ~ |
| | | Restore | Defaults |
| | K) | Cancel | Apply |

3-2. Uninstallation of Driver, POS Printer Utility & Status Monitoring Tool.

If the driver is installed by this way, driver appears in "Add or Remove Programs" of "Control Panel".

1. To remove the driver, please press "Remove" button.

| 🙀 TV5 Electronics RP 3200 Printer Driver (x32) | Size | <u>2.54MB</u> |
|--|--------------|---------------|
| Click here for support information. | Used | occasionally |
| | Last Used On | 8/31/2010 |
| To remove this program from your computer, click Remove. | | Remove |

When this message shows up, please press YES to proceed with the driver uninstall.

| TVS Electronics RP 320 | 0 Printer Driver (x32) - InstallShield Wizard 📲 | \times | |
|--|---|----------|--|
| Do you want to completely remove the selected application and all of its features? | | | |
| | | | |
| | Yes No | | |

With USB interface, installation failed by some reason and not possible to uninstall, printer may be recognized as Unknown device in Device Manager of Control Panel. In such case, delete the unknown device from Device Manager.

2. To remove the POS Printer Utility, please press "Remove" button.

| 🔂 TVS Electronics POS Printer Utility | Size | <u>3.16MB</u> |
|--|--------------|---------------|
| Click here for support information. | Used | occasionally |
| | Last Used On | 24/01/2011 |
| To remove this program from your computer, click Remove. | | Remove |

When this message shows up, please press YES to proceed with the POS Printer Utility uninstall.



3. To remove the Status Monitor & Setting Tool, please press "Remove" button

