



User's Guide

TU2-DVIV
H/W: V1.0R

FCC Warning

This equipment has been tested and found to comply with the regulations for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this user's guide, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

CE Mark Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

VCCI Warning

This is a product of VCCI Class B Compliance.

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。



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INTRODUCTION

Thank you for purchasing the TU2-DVIV. You can now organize your workspace and increase productivity with multiple monitors. TU2-DVIV allows you to connect up to six monitors to your desktop or laptop using a simple USB connection.

Features

- ◆ Easy and quick to connect and use.
 - ◆ Compatible with all CRT and Flat Panel monitors.
 - ◆ Standard and wide screen aspect ratios.
 - ◆ Fully integrated into Windows XP™, Windows Vista™.
 - ◆ Supported Windows Vista™ Aero mode.
 - ◆ Fully integrated into the Windows system and appear as a virtual graphics card (VGC).
 - ◆ Full flexibility to clone or extend desktop display space.
 - ◆ Static, interactive and video content.
 - ◆ Auto display identification using VESA compliant protocols.
 - ◆ Fully USB 2.0 bus powered.
 - ◆ User interfaces already built in to OS.
 - ◆ Support up to six monitors at the same time via own adaptor.
 - ◆ Supports 16 bit and 32-bit True Color depth.
 - ◆ High-definition displays up to UXGA 1600 x 1200.
-

System Requirement

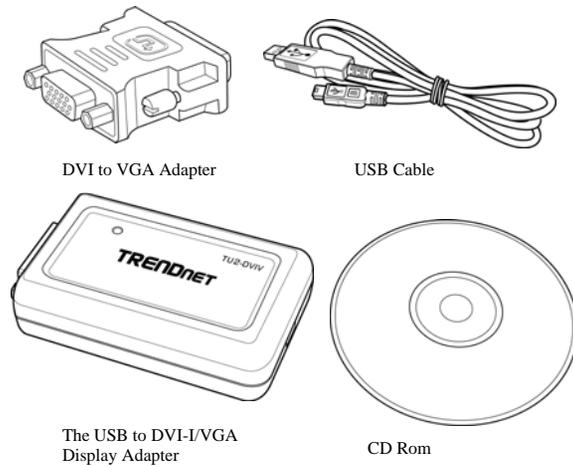
- ◆ PC with 1.2 GHz or higher processor clock speed, with an Intel Core 2 Duo or equivalent power CPU.
 - ◆ Microsoft Windows 2000, XP and Vista
 - ◆ 512 megabytes (MB) of RAM for a single attached screen, 1 gigabyte (GB) of RAM for two attached screens, more for more attached screens.
 - ◆ At least one USB 2.0 port.
 - ◆ 30 megabytes (MB) of free disk space..
-

UNPACKING AND SETUP

This chapter provides unpacking and setup information for the TU2-DVIV USB 2.0 to DVI / VGA Adapter.

Unpacking

Open the shipping carton of the TU2-DVIV and carefully unpack its contents. The carton should contain the following items:



- **The USB to DVI-I/VGA Adapter**

The TU2-DVIV adapter allows you to connect monitors to your computer using a USB connection.

- **DVI (Male) to VGA (Female) Adapter**

This adapter will convert your DVI port to a classic VGA port allowing you to connect your VGA monitor to the TU2-DVIV's DVI port.

- **USB Cable**

USB 2.0 Cable, mini USB Connector. Connects to the computer and the TU2-DVIV.

- **CD Rom**

The CD contains the driver and utility for the TU2-DVIV

If any item is found missing or damaged, please contact your local reseller for replacement.

SOFTWARE INSTALLATION

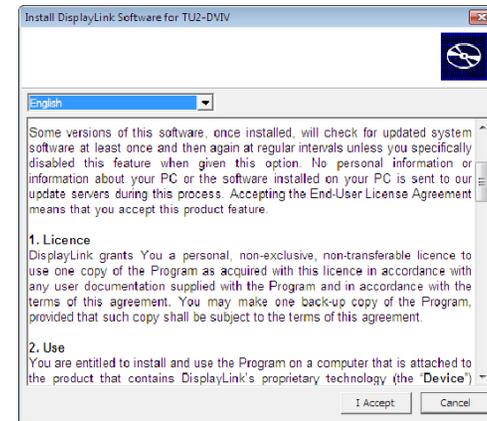
This chapter describes the software installation procedure of the TU2-DVIV.

Windows Vista Install

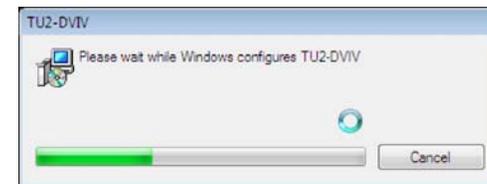
1. Insert the CD-ROM in your PC and if ask for permission to run the CD, click **Yes** to continue then the Autorun wizard will appear.



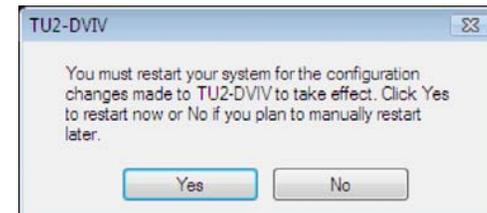
2. Click on **Install Utility & Driver** button to install the control software to your PC
3. When prompt for permission to continue. Click **Continue** to go to the next step.
4. After reading the License Agreement click **I Accept** to continue. The installation will start.



5. Wait a few moments for the process to complete.



6. When the process is finished click **Yes** to reboot.



7. Plug in the TU2-DVIV and a message will display on your PC as shown.

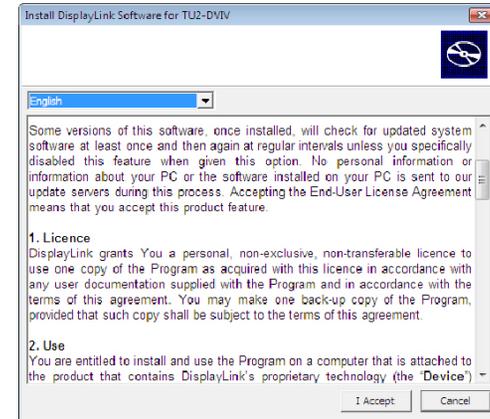


Windows 2000/XP Install

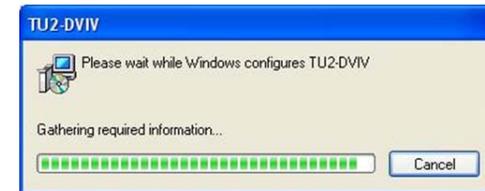
1. Insert the CD-ROM in your PC and the Autorun wizard will appear.



2. Click on **Install Utility & Driver** button to install the control software to your PC
3. When prompt for permission to continue. Click Continue to go to the next step.
4. After reading the License Agreement click I Accept to continue. The installation will start.



5. Wait a few moments for the process to complete.



6. Plug in the TU2-DVIV and the system will found a new hardware of the TU2-DVIV.

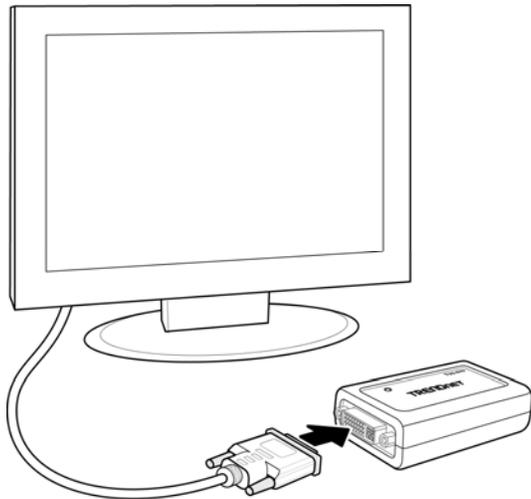
HARDWARE INSTALLATION

See the following illustrations for instructions on how to install your TU2-DVIV USB 2.0 to DVI / VGA Display Adapter.

Connecting the Adapter

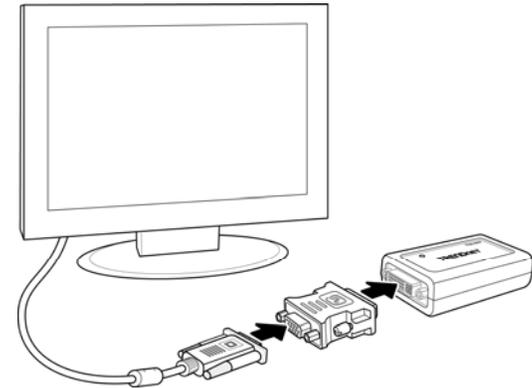
Connecting to DVI monitor

Connect the DVI monitor with the USB to DVI-I/VGA Display Adapter as shown.



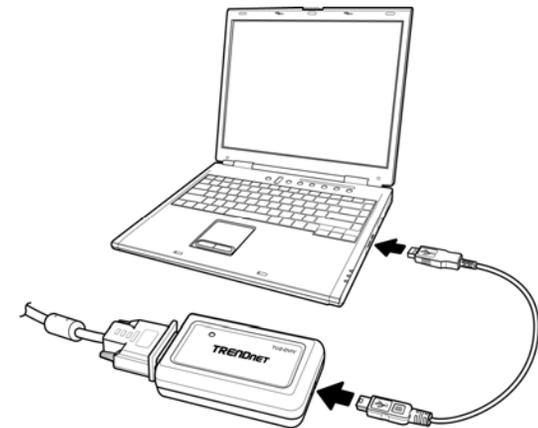
Connecting to VGA monitor

Connect the VGA monitor with the DVI to VGA adapter then to the USB to DVI-I/VGA Display Adapter as shown.



Connecting to USB port

Connect the USB cable and the USB to DVI/VGA Display Adapter as shown.



Connecting the Monitors

TU2-DVIV supports up to 6 display connections to a single PC. See the following illustrations for sample setups.

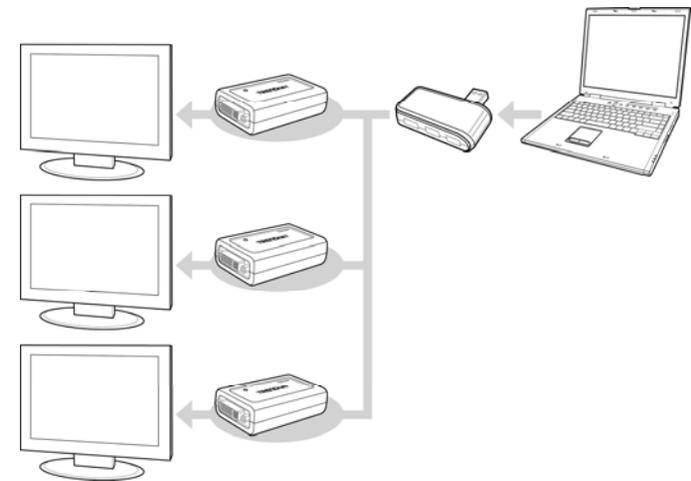
Connecting 2 monitors

PC connects to two monitors via USB cables using TU2-DVIV adapters. Monitors connect to graphics adapters via standard VGA/DVI cables.



Multiple monitors using powered USB hub

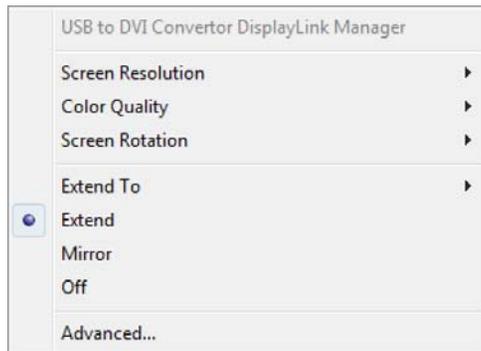
PC connects to a standard powered USB hub. Three monitors are connected to the USB hub via TU2-DVIV adapters. Monitors connect to graphics adapters via standard VGA/DVI cables.



Note: A typical PC can run up to six monitors. The exact number depends on the type of content being displayed.

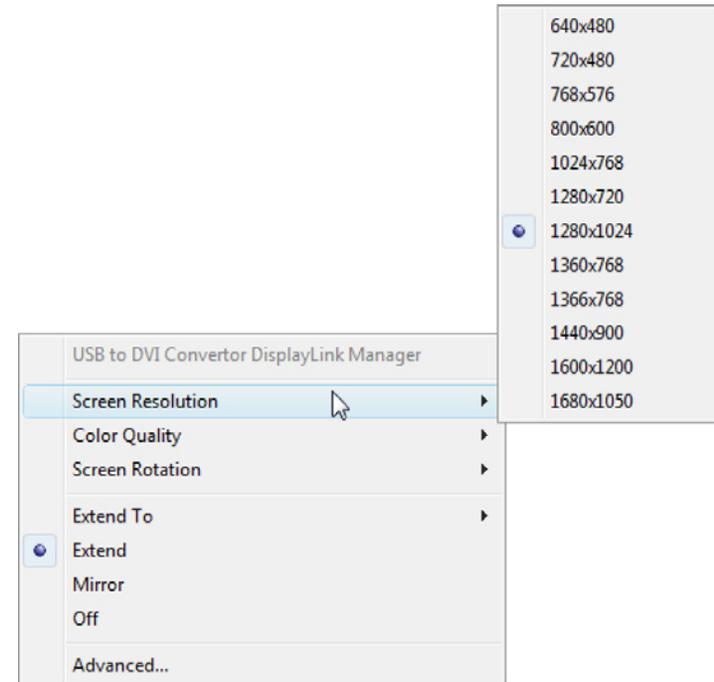
CONFIGURE YOUR SCREEN

After software installation, connect the TU2-DVIV to your PC. A  icon will appear on the lower right corner. Click the icon to pull up the USB to DVI Converter Manager menu. USB to DVI Converter Manager menu allows you to configure basic functions of your additional screens including screen resolution, color quality, screen rotation, and extend, mirror, and off mode.



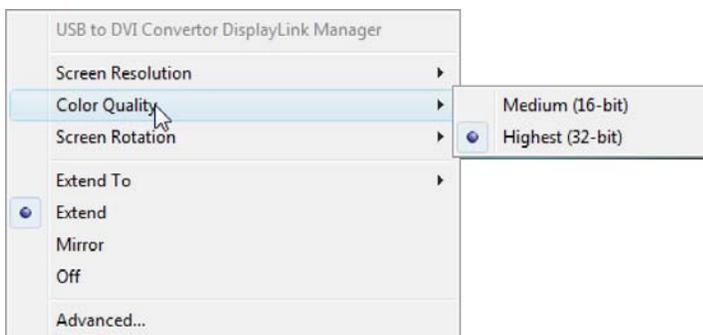
Screen Resolution

To setup the screen resolution, select an available resolution from the Screen Resolution submenu as shown.



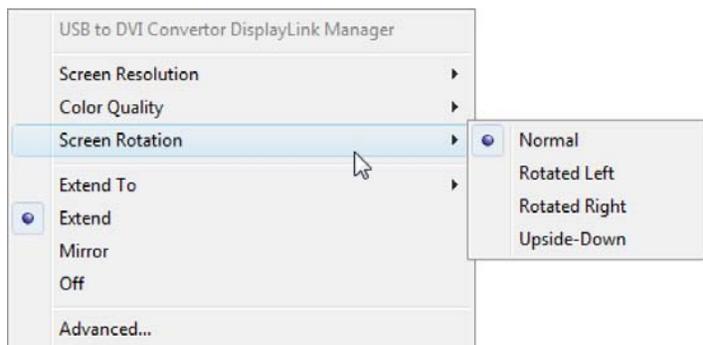
Color Quality

The Color Quality specifies how many colors are displayed on the monitor. To setup the color quality, select an available color quality from the Color Quality submenu.



Screen Rotation

To rotate your screen, choose Rotated **Left**, **Rotated Right**, **Upside-Down** from the Screen Rotation submenu. Choose Normal to return the screen to the original orientation.



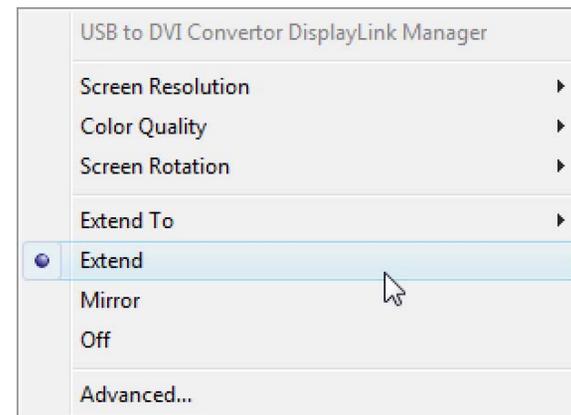
Screen Positioning

If your computer is connected to more than two monitors, you can assign each of the monitors to a different mode.

Extend Mode

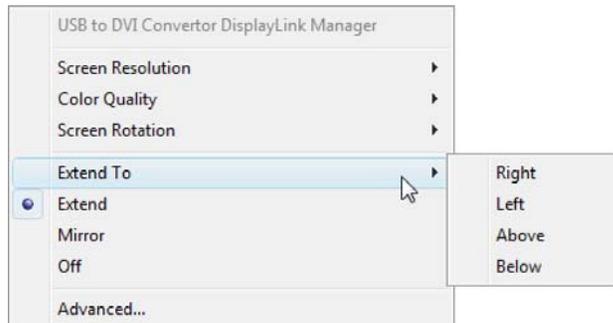
If your computer is connected to more than two monitors, you can assign each of the monitors to a different mode.

Select **Extend** to switch to the Extend Mode.

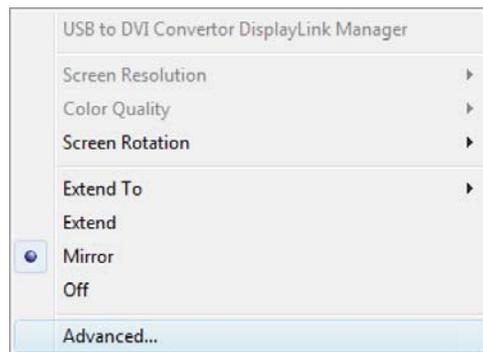


Configuring Extend Mode

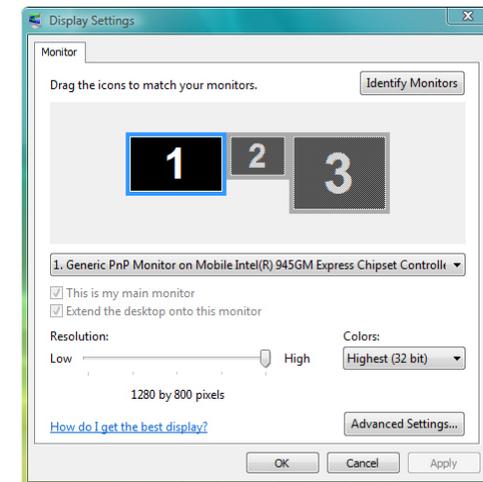
1. Select **Right**, **Left**, **Above**, and **Below** from the Extend To submenu to choose where to extend your desktop. Or



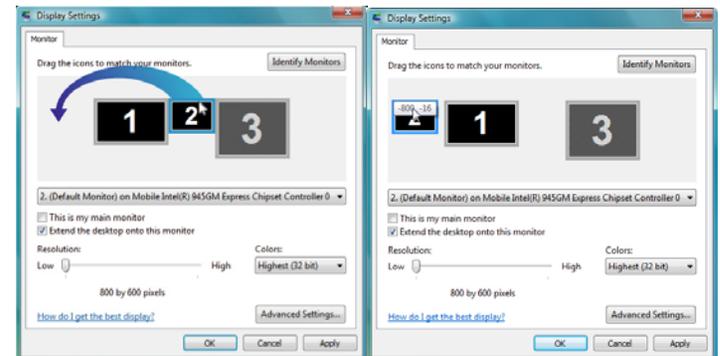
2. Select Advanced from the menu to activate Display Settings.



3. Display Settings window now opens. To move the position of a display, click and hold the monitor icon you wish to move.

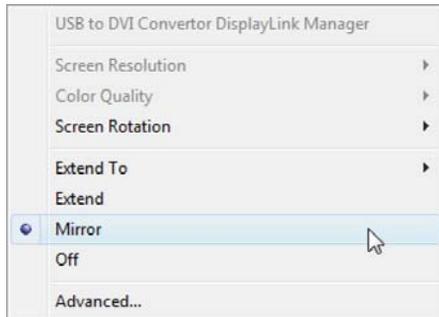


4. Drag it to the desired position. The display will be highlighted with a blue border whilst you are moving the display to its new position



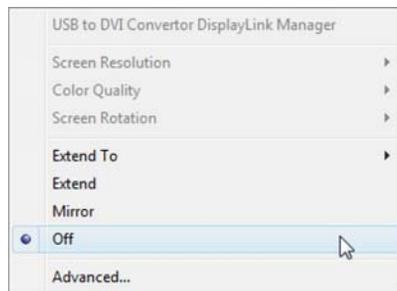
Mirror Mode

Mirror mode allows you to replicate the exact image from your primary monitor to your secondary monitor. To activate Mirror Mode select Mirror from the menu.



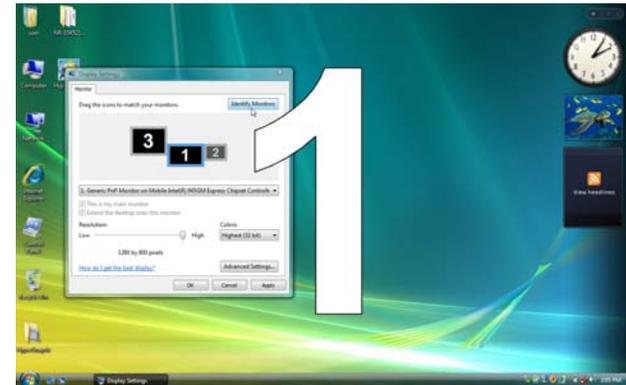
Off Mode

To disable the secondary monitor select **Off** from the menu.



Identify the Monitors

To identify the active monitor click the **Identify Monitors** button. A number will be shown on the screen to identify the active monitor.



TECHNICAL SPECIFICATIONS

System Requirement	
<ul style="list-style-type: none"> ❖ PC with 1.2 GHz or higher processor clock speed, with an Intel Core 2 Duo or equivalent power CPU ❖ 512 megabytes (MB) of RAM for a single attached screen, 1 gigabyte (GB) of RAM for two attached screens, more for more attached screens ❖ At least one USB 2.0 port ❖ 30 megabytes (MB) of free disk space 	
Supported OS	
<ul style="list-style-type: none"> ❖ Microsoft Windows 2000™ Service Pack 4 and up ❖ Microsoft Windows XP™ Service Pack 2 and up ❖ Microsoft Vista™ 	
Power mode:	USB Bus Powered mode
Number of Expansions:	Up to 6 USB to DVI-I/VGA Display Adapters (7 monitors)
Diagnostic LED:	Power
Display Connector:	DVI-I, VGA (with DVI to D-Sub 15 VGA Adapter)
Dimensions:	50 x 77 x 22 mm (W x H x D)
Temperature:	Operating: 0 ~ 40 oC Storage: -10 ~ 70 oC
Humidity:	Operating: 10% ~ 90% RH Storage: 10% ~ 70% RH
Emission:	FCC Class B CE mark Class B VCCI-B

Limited Warranty

TRENDnet warrants its products against defects in material and workmanship, under normal use and service, for the following lengths of time from the date of purchase.

TU2-DVIV	2 Years
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If a product does not operate as warranted above during the applicable warranty period, TRENDnet shall, at its option and expense, repair the defective product or deliver to customer an equivalent product to replace the defective item. All products that are replaced will become the property of TRENDnet. Replacement products may be new or reconditioned.

TRENDnet shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to TRENDnet pursuant to any warranty.

There are no user serviceable parts inside the product. Do not remove or attempt to service the product through any unauthorized service center. This warranty is voided if (i) the product has been modified or repaired by any unauthorized service center, (ii) the product was subject to accident, abuse, or improper use (iii) the product was subject to conditions more severe than those specified in the manual.

Warranty service may be obtained by contacting TRENDnet office within the applicable warranty period for a Return Material Authorization (RMA) number, accompanied by a copy of the dated proof of the purchase. Products returned to TRENDnet must be pre-authorized by TRENDnet with RMA number marked on the outside of the package, and sent prepaid, insured and packaged appropriately for safe shipment.

WARRANTIES EXCLUSIVE: IF THE TRENDNET PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, THE CUSTOMER'S SOLE REMEDY SHALL BE, AT TRENDNET'S OPTION, REPAIR OR REPLACEMENT. THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. TRENDNET NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE OR USE OF TRENDNET'S PRODUCTS.

TRENDNET SHALL NOT BE LIABLE UNDER THIS WARRANTY IF ITS TESTING AND EXAMINATION DISCLOSE THAT THE ALLEGED DEFECT IN THE PRODUCT DOES NOT EXIST OR WAS CAUSED BY CUSTOMER'S OR ANY THIRD PERSON'S MISUSE, NEGLIGENCE, IMPROPER INSTALLATION OR TESTING, UNAUTHORIZED ATTEMPTS TO REPAIR OR MODIFY, OR ANY OTHER CAUSE BEYOND THE RANGE OF THE INTENDED USE, OR BY ACCIDENT, FIRE, LIGHTNING, OR OTHER HAZARD.

LIMITATION OF LIABILITY: TO THE FULL EXTENT ALLOWED BY LAW TRENDNET ALSO EXCLUDES FOR ITSELF AND ITS SUPPLIERS ANY LIABILITY, WHETHER BASED IN CONTRACT OR TORT (INCLUDING NEGLIGENCE), FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND, OR FOR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATE, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE, OR INTERRUPTION OF THE POSSIBILITY OF SUCH DAMAGES, AND LIMITS ITS LIABILITY TO REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT TRENDNET'S OPTION. THIS DISCLAIMER OF LIABILITY FOR DAMAGES WILL NOT BE AFFECTED IF ANY REMEDY PROVIDED HEREIN SHALL FAIL OF ITS ESSENTIAL PURPOSE.

Governing Law: This Limited Warranty shall be governed by the laws of the state of California.

Note: AC/DC Power Adapter, Cooling Fan, Cable, and Power Supply carry 1-Year Warranty



Product Warranty Registration

Please take a moment to register your product online.
Go to TRENDnet's website at <http://www.trendnet.com/register>

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