



**USER GUIDE**  
**USB 2.0 TO DVI-I ADAPTER**

Model: 30535

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# INTRODUCTION

Thank you for purchasing the USB 2.0 to DVI-I Adapter. This product will allow you to easily expand your PC's display capabilities via an available USB port. No need to open your computer case or install a special graphics card – this cable-based adapter uses a simple connection to provide support for a secondary monitor. View large spreadsheets over two screens, read email messages and attachments on separate monitors, deliver multi-screen presentations without a second computer, or expand your graphic design workstation. **We recommend that you read this manual thoroughly and retain for future reference.**

# FEATURES

- ❖ Supports display resolutions up to VGA: 1920 x 1200 / DVI: 1600 x 1200
- ❖ Supports the multiple display devices on one PC
- ❖ Multi graphics display modes – Primary, Extended, Mirror and Rotation
- ❖ USB 2.0 compliant and Plug-and-Play USB connectivity
- ❖ VGA and DVI outputs compliant

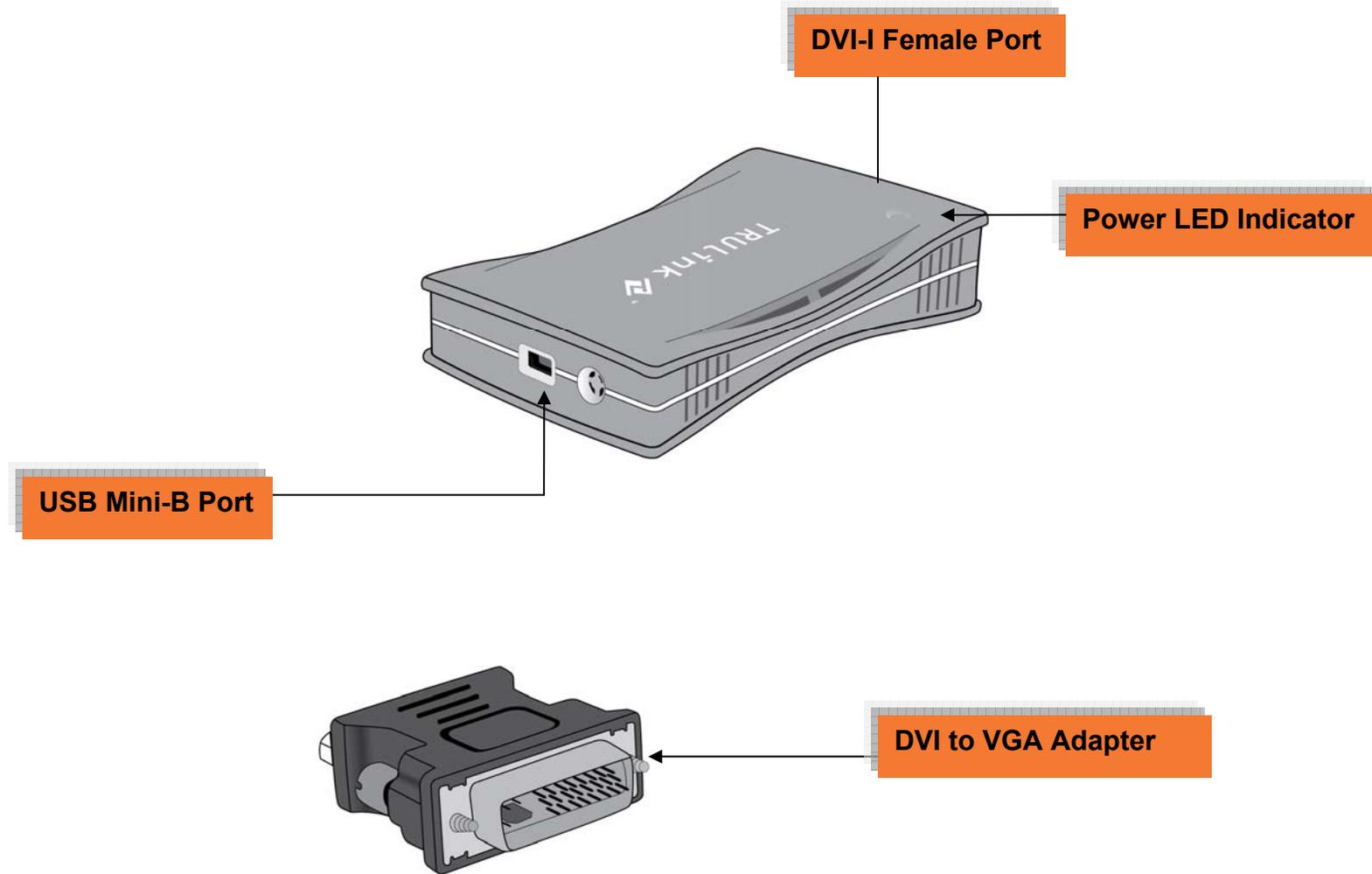
# SYSTEM REQUIREMENTS

- ❖ Pentium 4 / Celeron Family, AMD K6 / Athlon / Duron Family.
- ❖ 1.0GHz or higher processor
- ❖ Single Display Setup: 256MB RAM or higher;
- ❖ Multi-Display Setup: 512MB RAM or higher-(Higher memory recommended for optimal performance)
- ❖ Available USB 2.0 port
- ❖ Windows 2000 SP4 / Windows XP SP2 / Windows Vista

# PACKAGE CONTENTS

- ❖ USB 2.0 to DVI-I Adapter
- ❖ USB 2.0 cable
- ❖ DVI to VGA adapter (for VGA capable displays)
- ❖ CD (User Manual, Driver and Utility)
- ❖ Quick Installation Guide

# DEVICE OVERVIEW



## DEVICE INSTALLATION ON WINDOWS® 2000/XP

Please note the following information before installation:

- ❖ Do not plug the USB 2.0 to DVI-I Adapter to your PC or Notebook while executing the set-up or un-installation program.
- ❖ The AC power adapter is required for the external USB Hub. Please note that the driver allows up to 6 USB 2.0 to DVI-I Adapters on one PC.
- ❖ Connect the display device to the DVI connector of USB 2.0 to DVI-I Adapter and switch it on before plugging it into an available USB 2.0 port of PC or Notebook.
- ❖ DO NOT reboot the computer until all of USB 2.0 to DVI-I Adapters are installed.

Installing the device driver enables your computer's operating system to recognize the USB 2.0 to DVI-I Adapter once it's connected. Please check your operating system and refer to the appropriate installation procedure to begin installing the device driver. Please make sure the USB 2.0 to DVI-I Adapter is **unplugged** from your PC or Notebook before executing the setup program. This section illustrates the simple device driver installation procedure for computer running Windows 2000 / XP operating system.

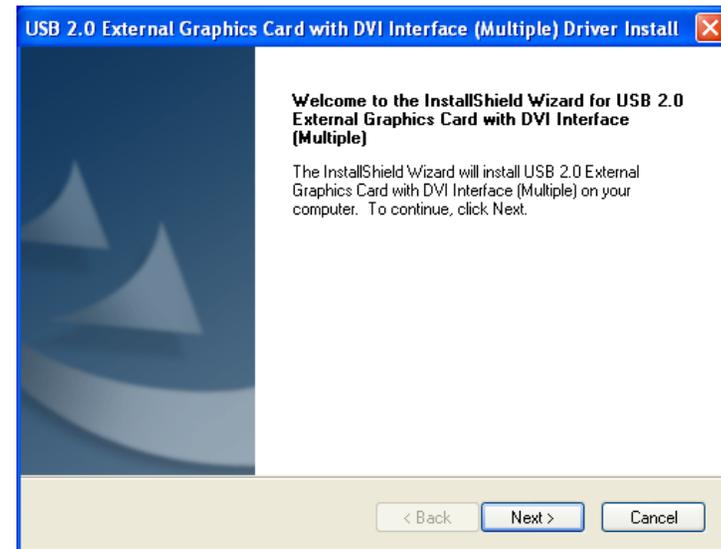
## DEVICE INSTALLATION ON WINDOWS® 2000/XP

### Step 1

Insert the Driver CD into the CD-ROM drive; the setup program should be launched automatically. If setup program does not begin automatically, click Start, Run and double click “D:\Setup.exe” (where D: is the path of your CD-ROM drive).

### Step 2

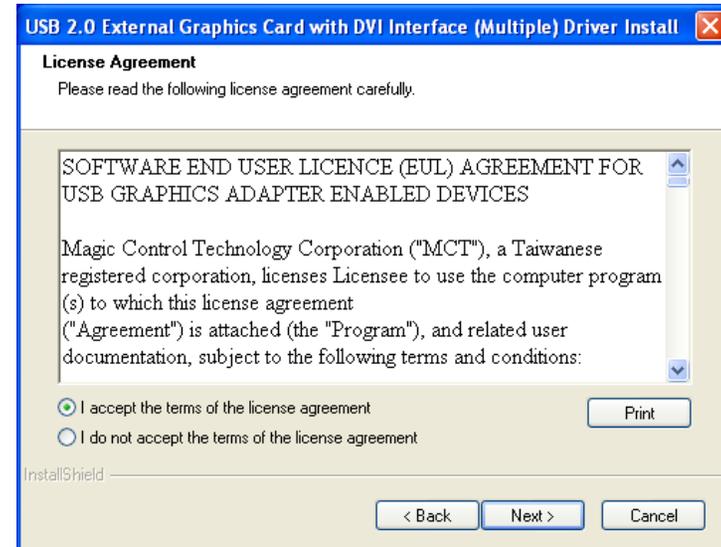
Driver Installation Wizard, click “**Next**” to continue.



## DEVICE INSTALLATION ON WINDOWS® 2000/XP

### Step 3

License Agreement; please read it and select **“I accept the terms of the license agreement.”** Click **“Next”** to accept the License Agreement.



### Step 4

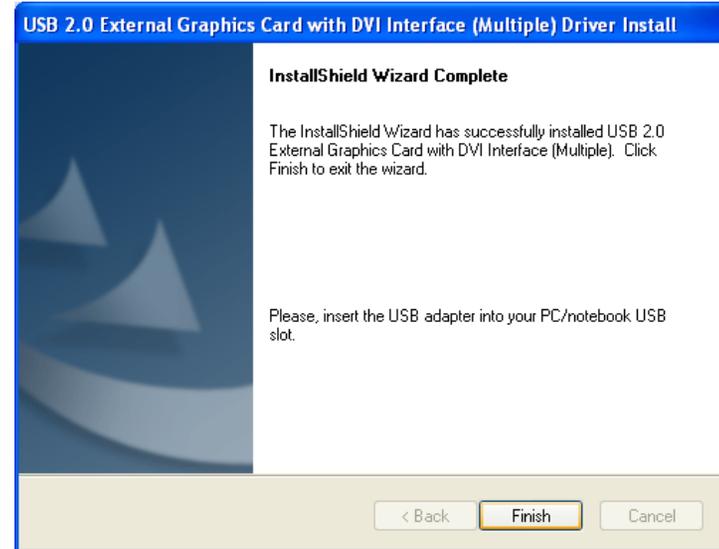
The Microsoft Software Installation Certificate warning dialogue box will be displayed on Windows XP several times. Please select **“Continue Anyway”** to continue with the device driver installation. This will not affect the device driver installation and the device usage.



## DEVICE INSTALLATION ON WINDOWS® 2000/XP

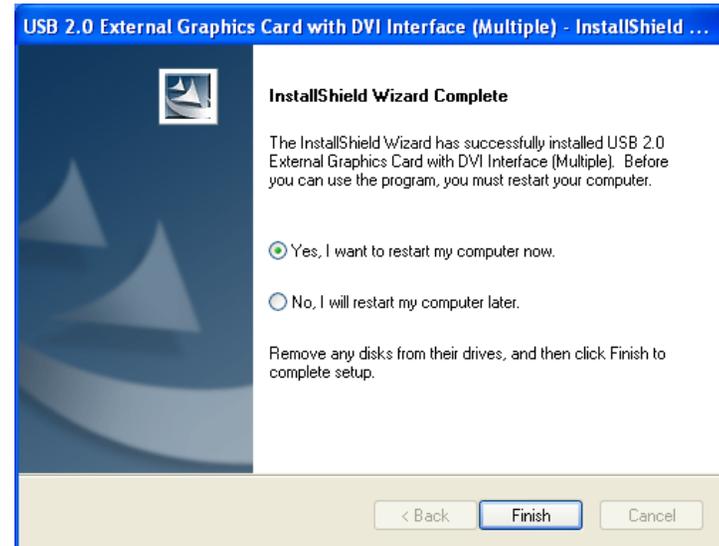
### Step 5

Click “**Finish**” to exit the Driver Wizard.



### Step 6

Select “**Yes, I want to restart my computer now**” and click “**Finish**” to complete the driver installation. Note: If you are installing multiple USB 2.0 to DVI Adapters select **No, I will restart my computer later** at this step and refer to page 14 of this manual for further instructions.

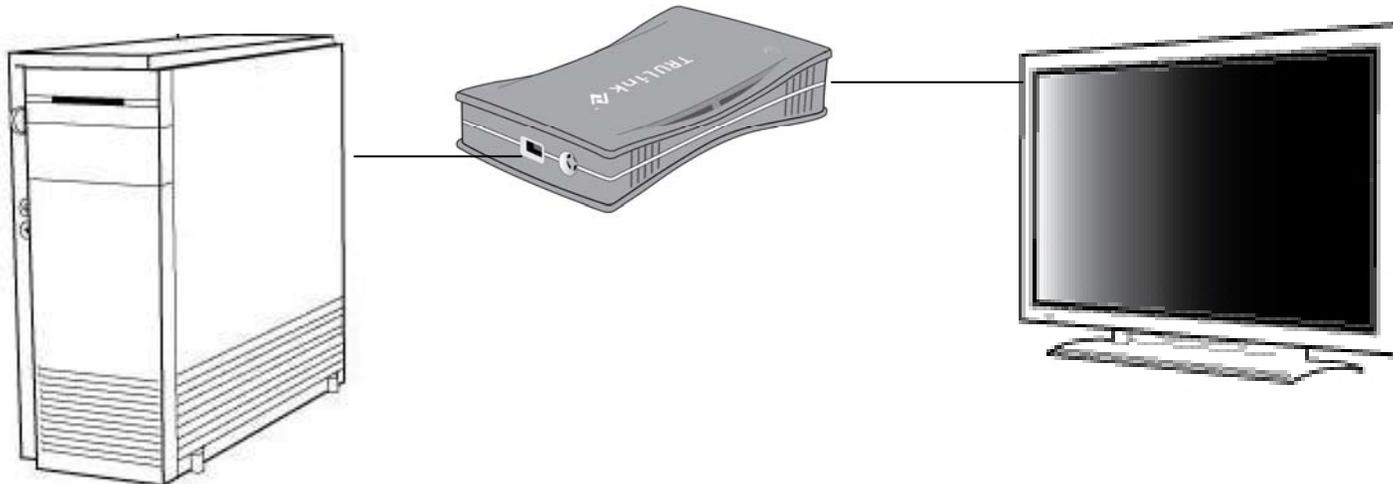


## DEVICE INSTALLATION ON WINDOWS® 2000/XP

### **Step 7**

Connect the external display device (monitor/projector) to the DVI connector of **USB 2.0 to DVI-I Adapter** and switch it on. Then plug the USB 2.0 to DVI-I Adapter into an available USB 2.0 port of your PC or Notebook. By default this adapter will set the additional monitor as an “extended desktop” display. To change the setting of the display output, please refer to Function Description section of this manual.

### *Application Diagram*



## DEVICE INSTALLATION ON WINDOWS® 2000/XP

### Step 7

It will show the Hardware Installation Wizard, please select **“No, not this time”** and click **“Next”** to continue.



### Step 8

Select **“Install the software automatically (Recommended)”**. Click **“Next”** to continue.



## DEVICE INSTALLATION ON WINDOWS® 2000/XP

### Step 9

Please select “**Continue Anyway**” to continue with the device driver installation (this may appear several times). This will not affect the device driver installation and the device usage.



### Step 10

Click “**Finish**” to exit the Hardware Wizard of the USB 2.0 to DVI-I Adapter and you are now ready to use the product.

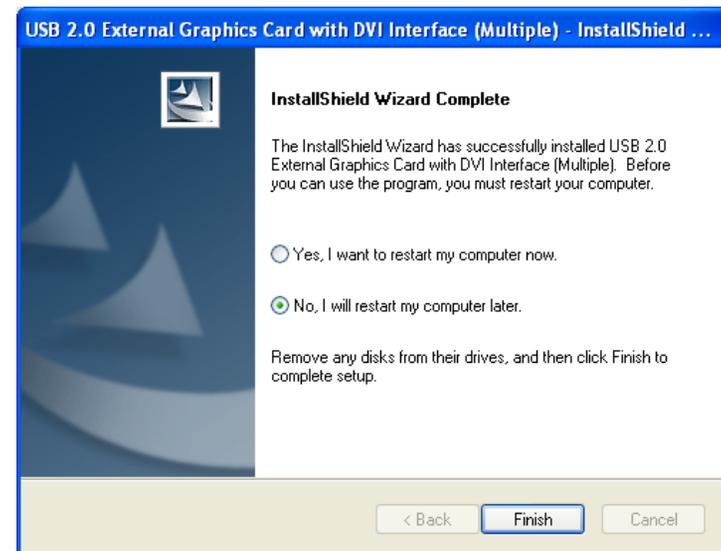


## DEVICE INSTALLATION ON WINDOWS® 2000/XP

### Step 11b.

#### INSTALLATION OF MULTIPLE USB 2.0 TO DVI-I ADAPTERS

a. Please select “**No, I will restart my computer later.**” and click “**Finish**” to continue the installation of next USB 2.0 to DVI-I Adapter.



## DEVICE INSTALLATION ON WINDOWS® 2000/XP

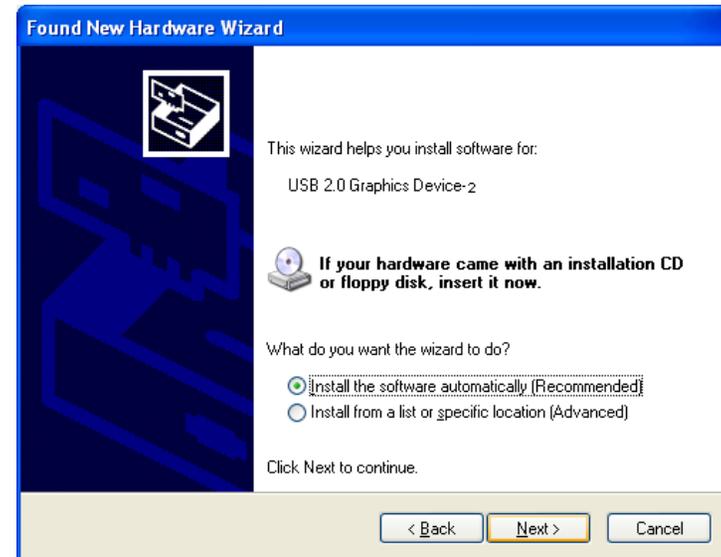
b. Connect another display device to the DVI connector of the next USB 2.0 to DVI-I Adapter and switch it on. Then plug the USB 2.0 to DVI-I Adapter into next available USB 2.0 port of your PC or Notebook.

c. The Hardware Installation Wizard will appear. Please select **“No, not this time”** and click **“Next”** to continue.



## DEVICE INSTALLATION ON WINDOWS® 2000/XP

- d. Select “**Install the software automatically (Recommended)**” and click “**Next**” to continue.
- e. Please select “**Continue Anyway**” to continue with the device driver installation. It will not affect the device driver installation and the device usage.



## DEVICE INSTALLATION ON WINDOWS® 2000/XP

- f. Click “**Finish**” to exit the Hardware Wizard of the 2<sup>nd</sup> USB 2.0 to DVI-I Adapter.

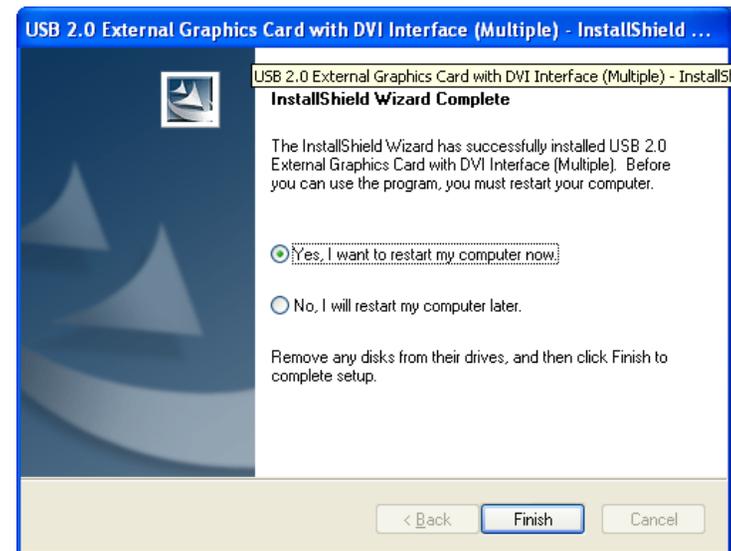


- g. If you wish to install additional USB 2.0 to DVI-I Adapter, please follow the procedure of **a~ f again**.

## DEVICE INSTALLATION ON WINDOWS® 2000/XP

h. Otherwise, please select “**Yes, I want to restart my computer now.**” and click “**Finish**” to complete the driver installation.

After you reboot the computer, the extended display will be shown on the display device.

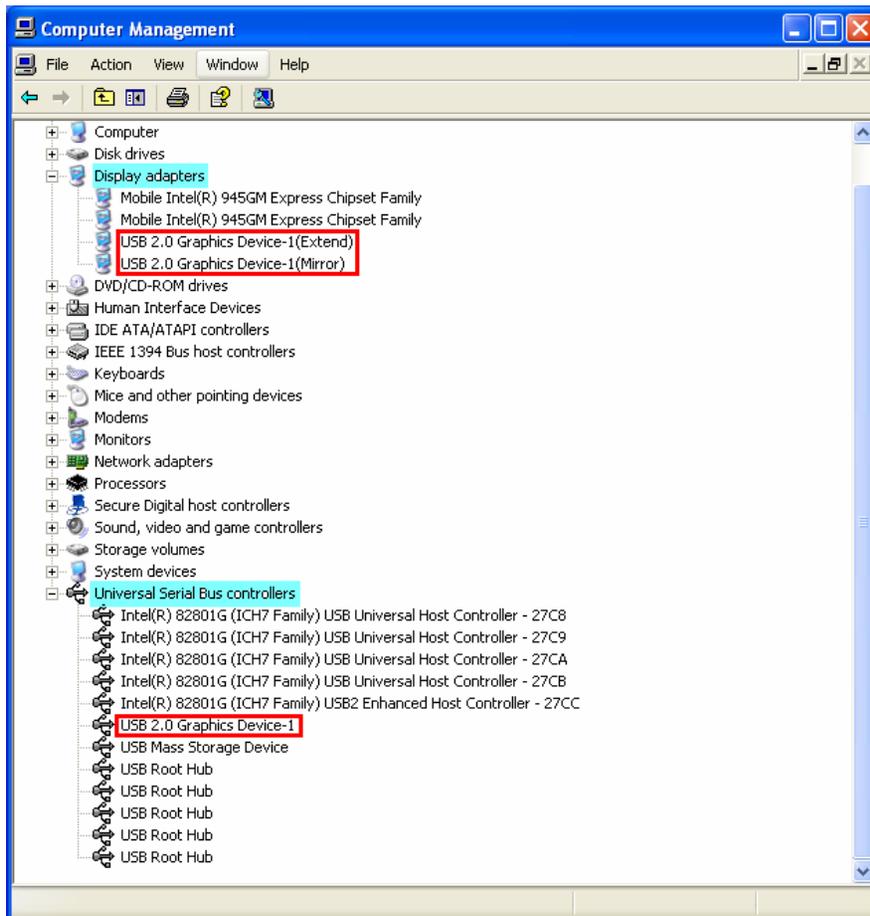


## VERIFYING DEVICE DRIVER INSTALLATION ON WINDOWS® 2000/XP

The following procedure allows you to verify the device driver installation.

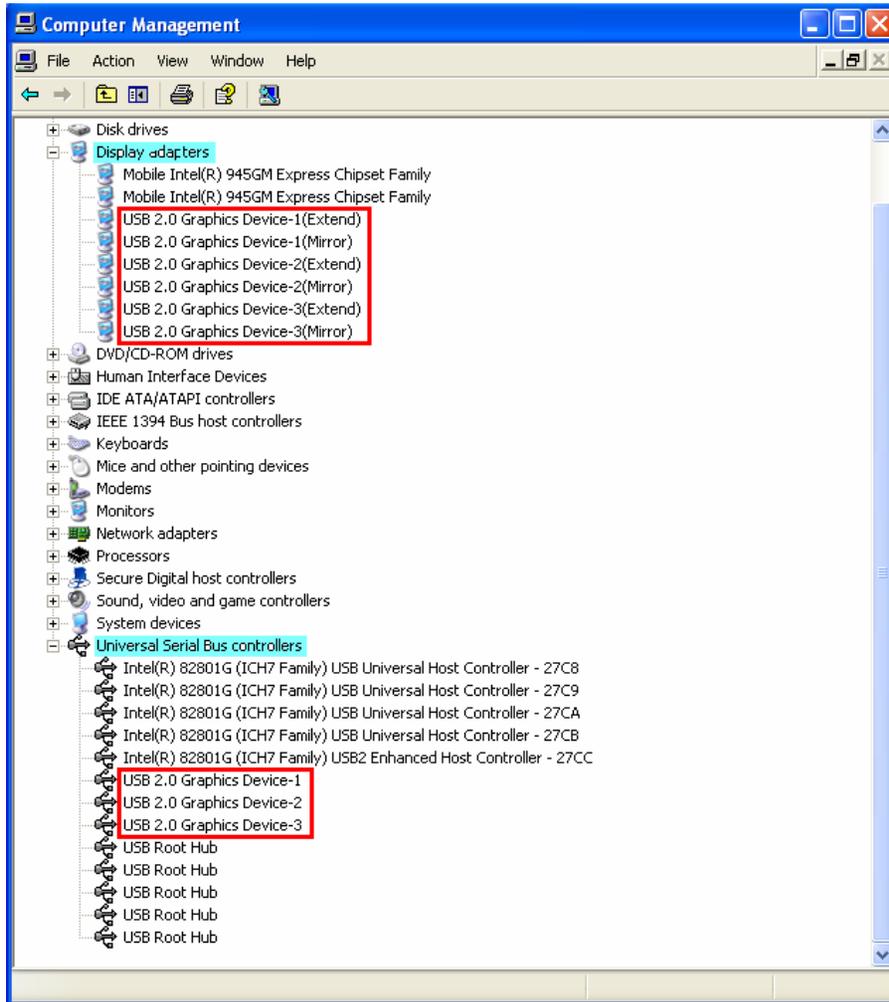
Right click “My Computer” → “Properties” → “Hardware” → “Device Manager”.  
Double click “**Display adapters**”, and “**Universal Serial Bus controllers**”.

### ➤ SINGLE USB 2.0 TO DVI-I ADAPTER INSTALLATION ON THE COMPUTER



# VERIFYING DEVICE DRIVER INSTALLATION ON WINDOWS® 2000/XP

## ➤ MULTIPLE USB 2.0 TO DVI-I ADAPTER INSTALLATION ON THE COMPUTER



## DEVICE DRIVER UN-INSTALLATION ON WINDOWS® 2000/XP

Please make sure the USB 2.0 to DVI-I Adapter is **unplugged** from your PC or Notebook before executing the device driver un-installation program.

### Step 1

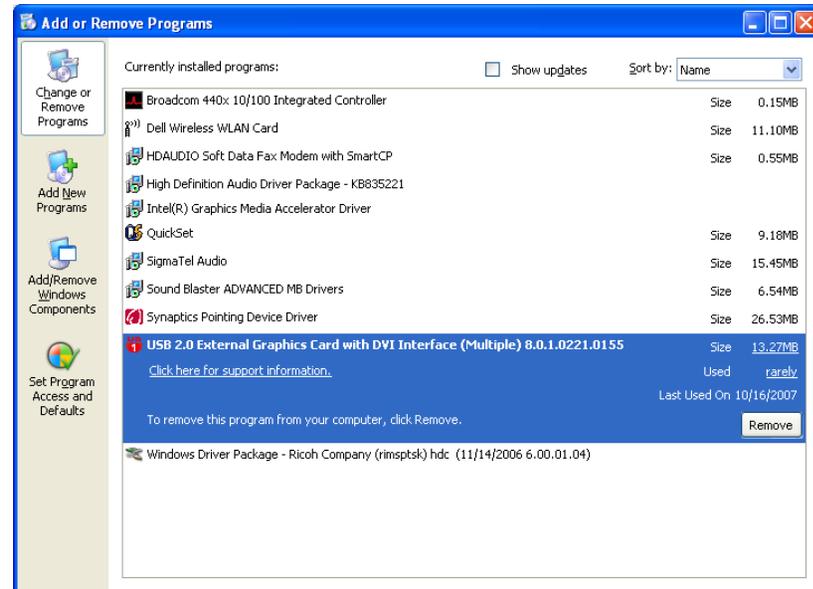
#### Start menu:

Click **“Start”** → **“Control Panel”** → **“Add or Remove Programs”**.

#### Classic start menu:

Click **“Start”** → **“Settings”** → **“Control Panel”** → **“Add or Remove Programs”**.

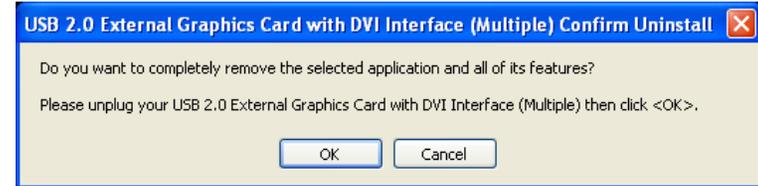
Select **“USB 2.0 External Graphics Card with DVI Interface (Multiple) driver version no.”** item. Click **“Remove”** button.



## DEVICE DRIVER UN-INSTALLATION ON WINDOWS® 2000/XP

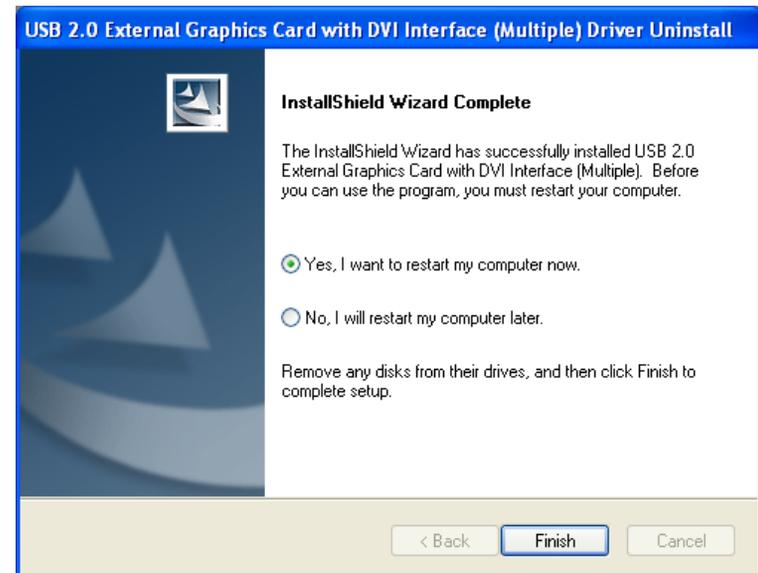
### Step 2

Unplug the USB 2.0 to DVI-I Adapter and click “**OK**” to continue.



### Step 3

Select “**Yes, I want to restart my computer now**” and click “**Finish**” to reboot. After reboot, you will complete the driver un-installation.



## DEVICE INSTALLATION ON WINDOWS® VISTA®

Please note the following information before installation:

- ❖ Do not plug the USB 2.0 to DVI-I Adapter to your PC or Notebook while executing the set-up or un-installation program.
- ❖ The AC power adapter is required for the external USB Hub. Please note that the driver allows up to 6 USB 2.0 to DVI-I Adapters on one PC.
- ❖ Connect the display device to the DVI connector of USB 2.0 to DVI-I Adapter and switch it on before plugging it into an available USB 2.0 port of PC or Notebook.
- ❖ DO NOT reboot the computer until all of USB 2.0 to DVI-I Adapters are installed.

Installing the device driver enables your computer's operating system to recognize the USB 2.0 to DVI-I Adapter once it's connected. Please check your operating system and refer to the appropriate installation procedure to begin installing the device driver. Please make sure the USB 2.0 to DVI-I Adapter is **unplugged** from your PC or notebook before executing the setup program. This section illustrates the simple device driver installation procedure for a computer running Windows Vista® operating system.

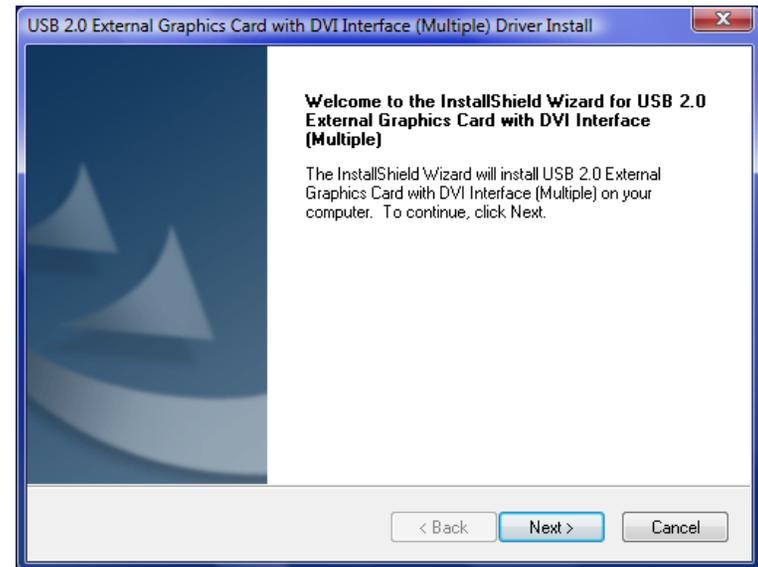
## DEVICE INSTALLATION ON WINDOWS® VISTA®

### Step 1

Insert the Driver CD into the CD-ROM drive; the setup program should be launched automatically. If setup program does not begin automatically, click Start, Run and double click “**D:\Setup.exe**” (where D: is the path of your CD-ROM drive).

### Step 2

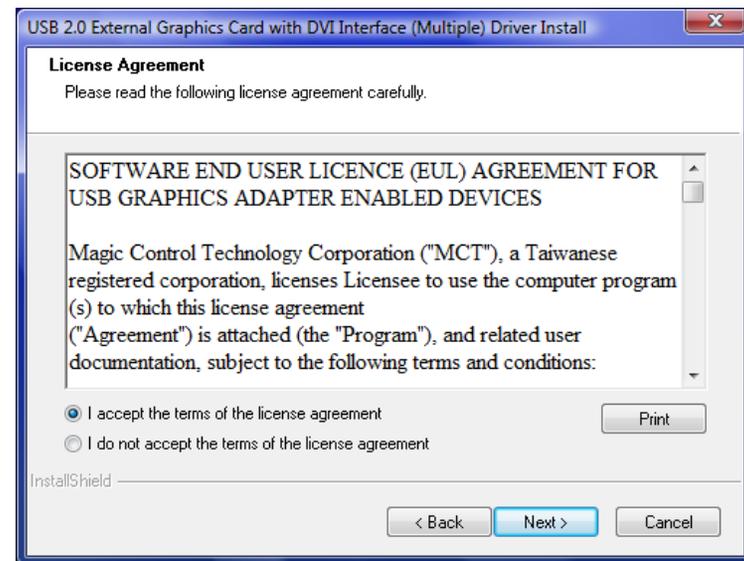
Driver Installation Wizard, click “**Next**” to continue.



## DEVICE INSTALLATION ON WINDOWS® VISTA®

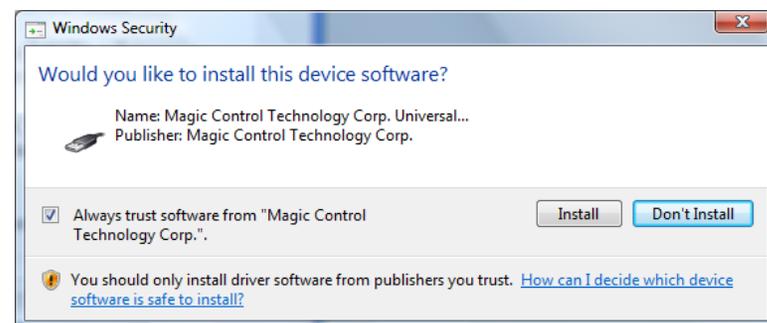
### Step 3

License Agreement; please review it and check **“I accept the terms of the license agreement.”** Click **“Next”** to accept the License Agreement.



### Step 4

Windows Security warning dialogue box under Windows Vista, it will not affect the device driver installation and usage the device. Please select **“Always trust software from “Magic Control Technology Corp.”**, then click **“Install”** to continue.



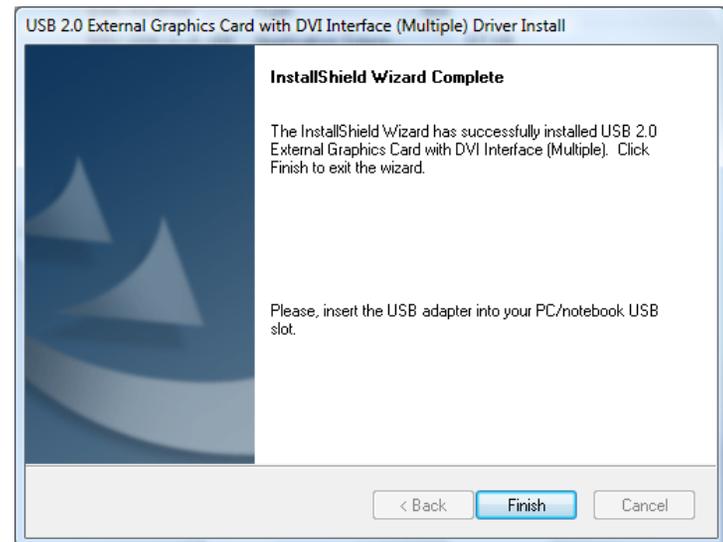
## DEVICE INSTALLATION ON WINDOWS® VISTA®

Setup is searching for installed features...



### Step 5

Click "**Finish**" to exit the Driver Wizard.



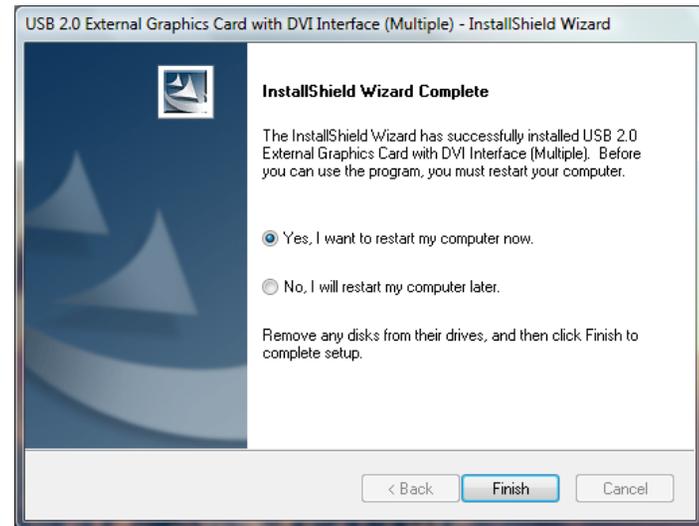
## DEVICE INSTALLATION ON WINDOWS® VISTA®

### Step 6

#### INSTALLATION OF SINGLE USB 2.0 TO DVI-I ADAPTER

Please select “**Yes, I want to restart my computer now.**” and click “**Finish**” to complete the driver installation. Note: If you wish to install additional USB 2.0 to DVI Adapters, select **No, I will restart my computer later**, and refer to **Step 8** on the next page.

After you reboot the computer, you should see the extend display on the 2<sup>nd</sup> display device.



### Step 7

Connect the external display device (monitor/projector) to the DVI connector of **USB 2.0 to DVI-I Adapter** and switch it on. Then, plug the **USB 2.0 to DVI-I Adapter** into an available USB 2.0 port of your PC or notebook and you are ready to use. Refer to page 11 for the application diagram. By default this adapter will set the additional monitor as an “extended desktop” display. To change the setting of the display output, please refer to the user manual which is located on the disc.

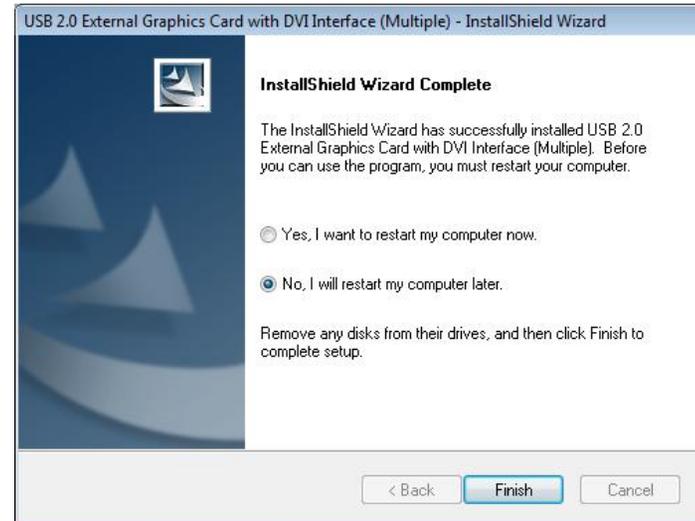
## DEVICE INSTALLATION ON WINDOWS® VISTA®

### Step 8 (optional)

#### INSTALLATION OF MULTIPLE USB 2.0 TO DVI-I ADAPTERS

- a. Please select **“No, I will restart my computer later.”** And click **“Finish”** to continue the next installation.
- b. Connect another external display device to the DVI connector of next USB 2.0 to DVI-I Adapter and switch it on.
- c. Plug the USB 2.0 to DVI-I Adapter into an available USB 2.0 port of your PC. The driver installation will process automatically.
- d. If you wish to install additional USB 2.0 to DVI-I Adapters, please follow procedure **a~ c again**.
- e. Otherwise, select **“Yes, I want to restart my computer now.”** and click **“Finish”** to complete the driver installation.

After you reboot the computer, the extended display will be shown on the display device.



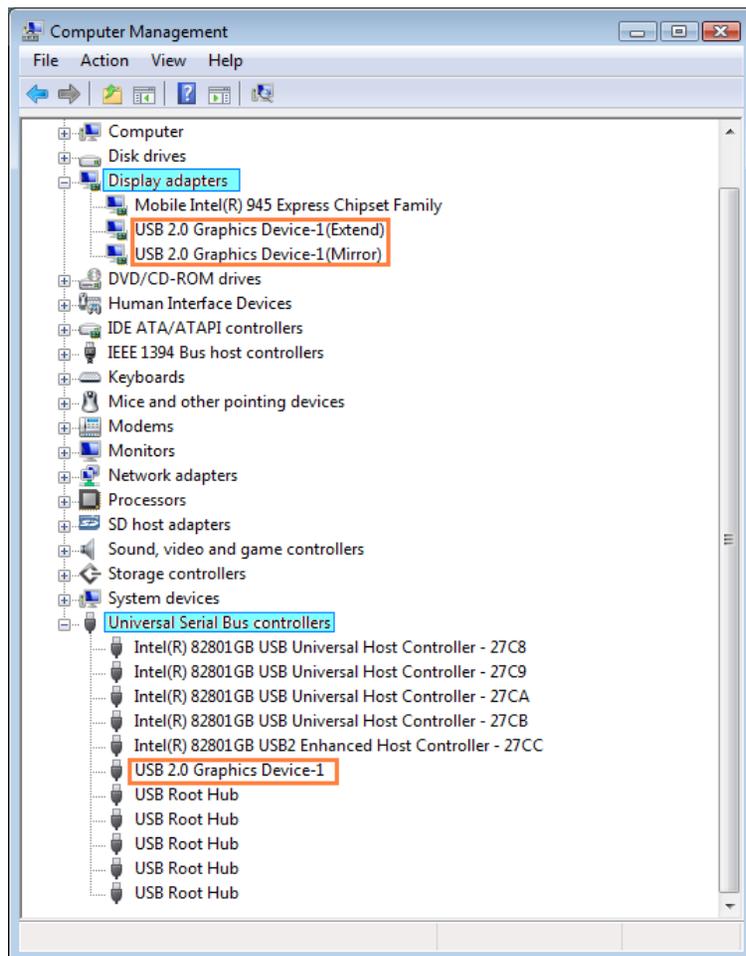
## VERIFYING DEVICE INSTALLATION ON WINDOWS® VISTA®

The following procedure allows you to verify the device driver installation.

Right click **“Computer”** → **“Properties”** → **“Device Manager”**.

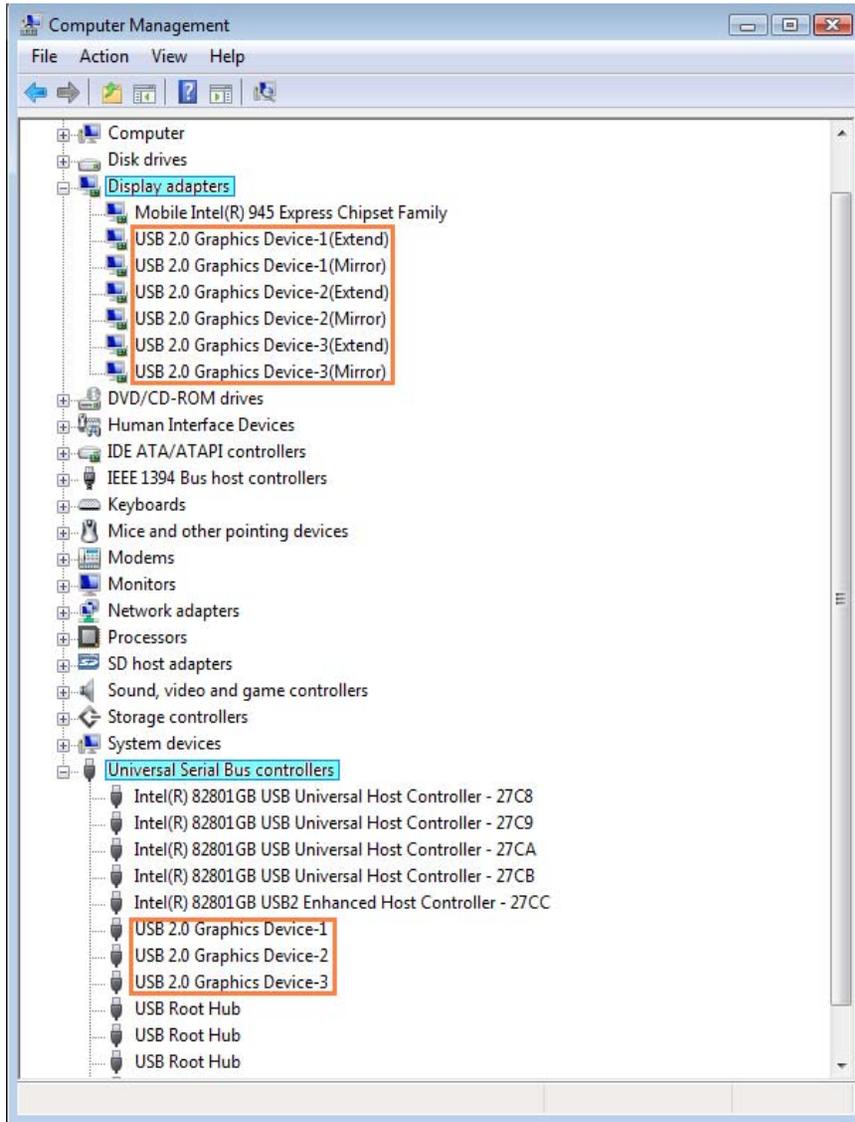
Double click **“Display adapters”**, and **“Universal Serial Bus controllers”**.

### ➤ **SINGLE USB 2.0 TO DVI-I ADAPTER INSTALLATION ON THE COMPUTER**



# VERIFYING DEVICE INSTALLATION ON WINDOWS® VISTA®

## ➤ MULTIPLE USB 2.0 TO DVI-I ADAPTER INSTALLATION ON THE COMPUTER



## DEVICE DRIVER UN-INSTALLATION ON WINDOWS® VISTA®

Please make sure the USB 2.0 to DVI-I Adapter is **unplugged** to your PC or notebook before executing the device driver un-installation program.

### Step 1

#### ◆ Start menu:

Please click **“Start”** →

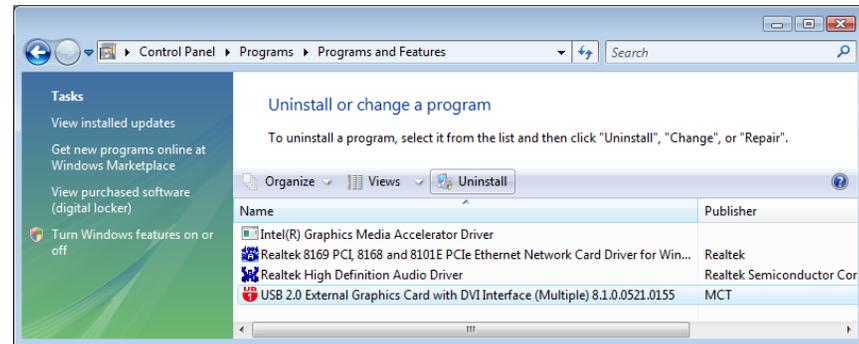
**“Control Panel”** →

**“Program and Features”**

#### ◆ Classic Start menu:

Please click **“Start”** → **“Settings”**

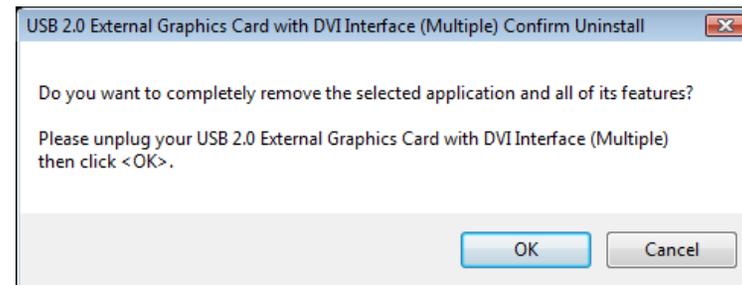
→ **“Control Panel”** → **“Program and Features”**



Select **“USB 2.0 External Graphics Card with DVI Interface (Multiple)”** item. Click **“Uninstall”** button.

### Step 2

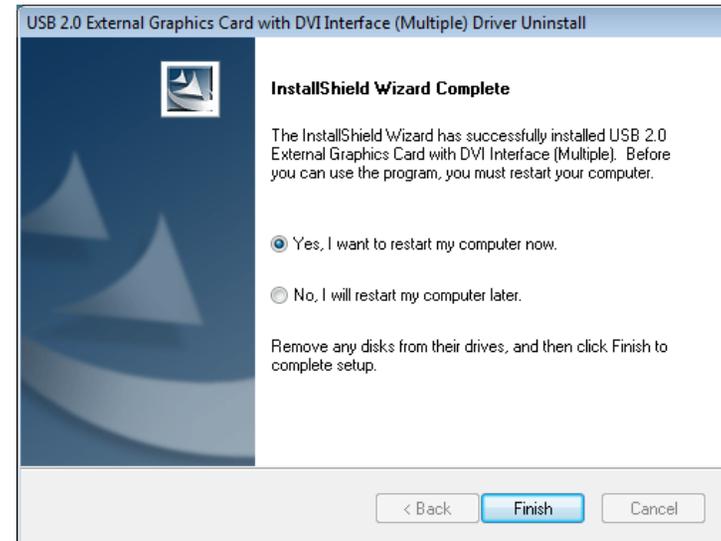
Unplug the USB 2.0 to DVI-I Adapter and click **“OK”** to continue.



## DEVICE DRIVER UN-INSTALLATION ON WINDOWS® VISTA®

### Step 3

Select “**Yes, I want to restart my computer now**” and click “**Finish**” to reboot. After reboot, you will complete the driver un-installation.



# FUNCTION DESCRIPTION

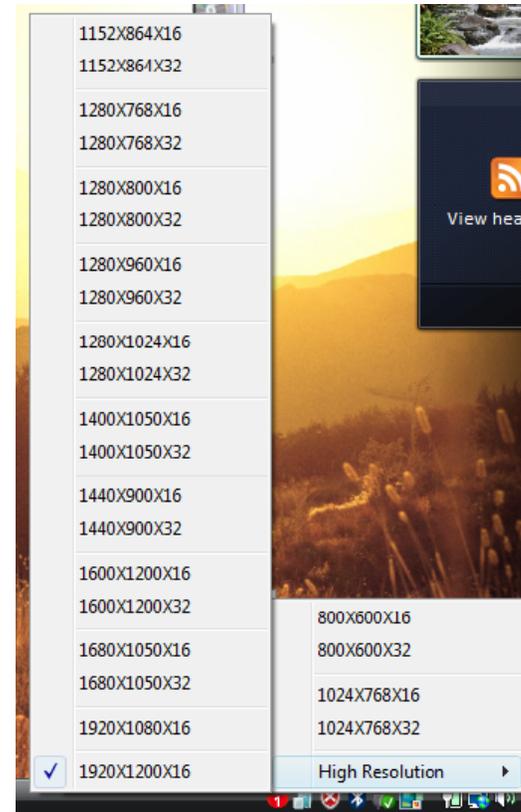
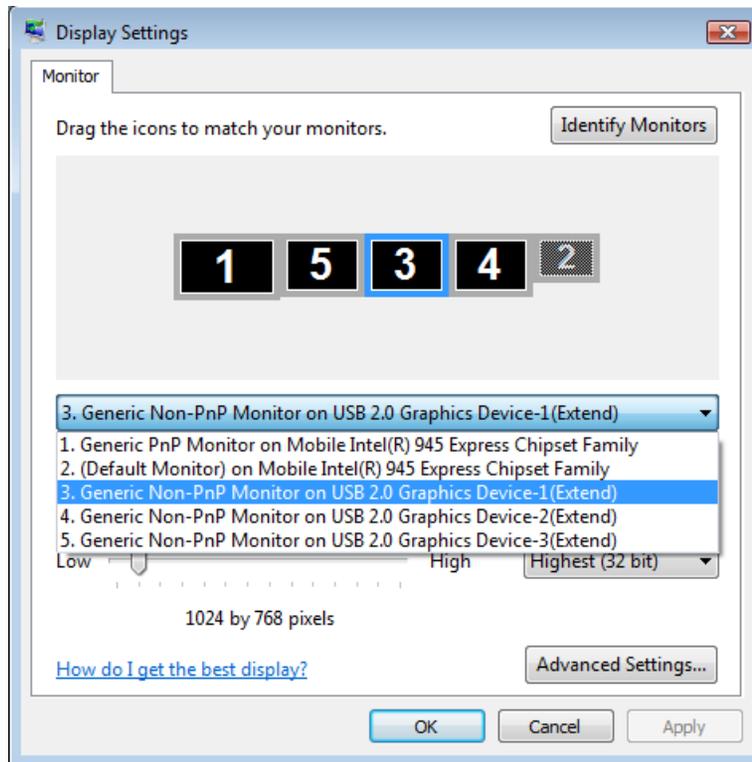
This section describes the main functions provided by the USB 2.0 to DVI-I Adapter.

- It can support a LCD or CRT monitor, and it supports four kinds of selections, Primary, Extended, Mirror and Rotate by “UD” icon.



## FUNCTION DESCRIPTION

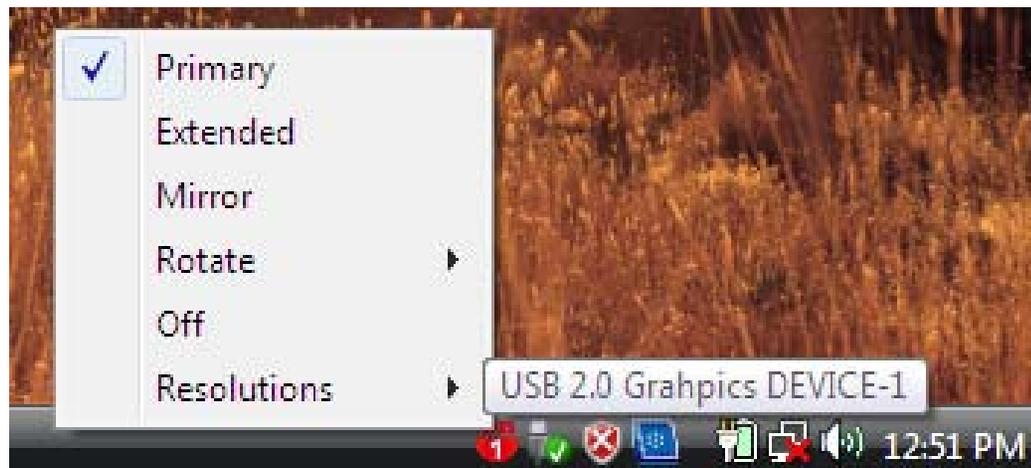
- The resolution supports from 800x600 x16 bit and up-to 1920x1200 x16 bit.
- The resolution can be modified via the system tray or Display Properties.



## FUNCTION DESCRIPTION

### “Primary” Mode

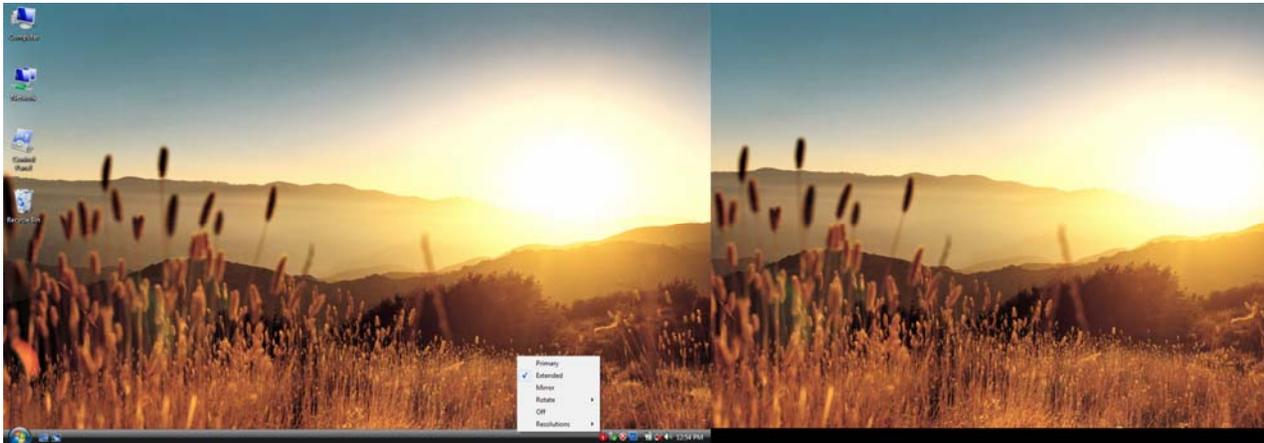
The system’s main graphics adapter will automatically switch to act as the secondary graphics adapter and the main screen will now work as the extended desktop. The monitor connected to the USB 2.0 to DVI-I Adapter will now act as the primary Windows desktop. Please be advised that some display utility and drivers that shipped with certain AGP and built-in display adapters may prevent this option from working on some systems. You can disable the other utility program (usually found in the same toolbar located on the bottom right hand corner) to make this function work properly.



## FUNCTION DESCRIPTION

### **“Extended” Mode (Default)**

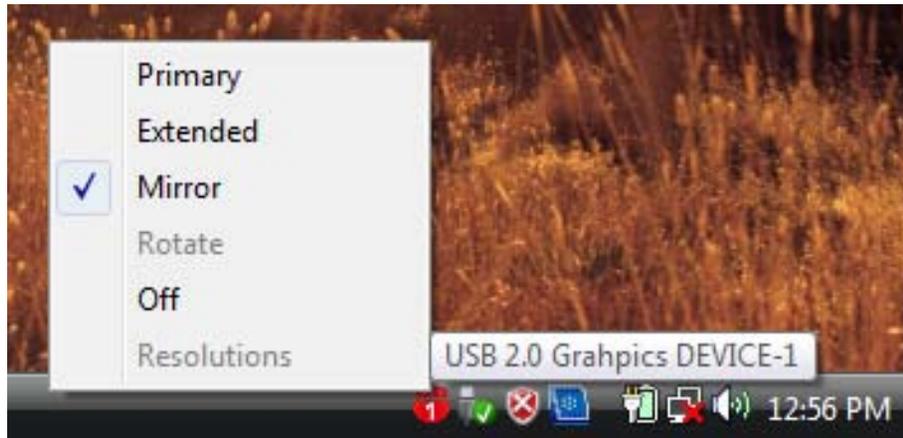
By default, the monitor connected to USB 2.0 to DVI-I Adapter will work as, “Extended Desktop” which extends the primary Windows desktop of your system. You can change the relative position of this extended desktop under the Display Properties.



## FUNCTION DESCRIPTION

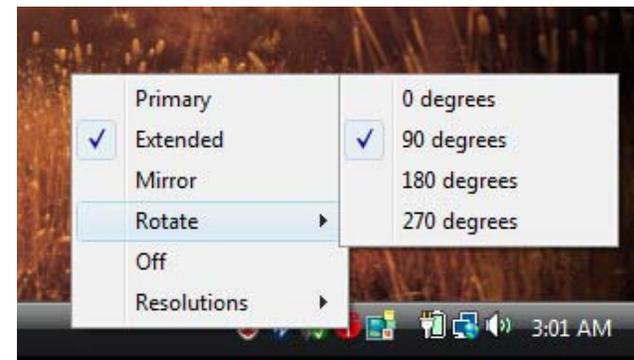
### “Mirror” Mode

By setting this mode, the Windows desktop will be mirrored/replicated to the secondary CRT/LCD monitor. The screen resolution setting on the secondary monitor will follow the primary screen’s resolution. For example, if the primary resolution is 1024x768x32bit, and the secondary monitor’s resolution will be the same. On the other hand, if the selected resolution setting is not supported by the primary screen, a warning dialogue box will be displayed and the suggested screen resolution will be shown.



### “Rotate” Mode

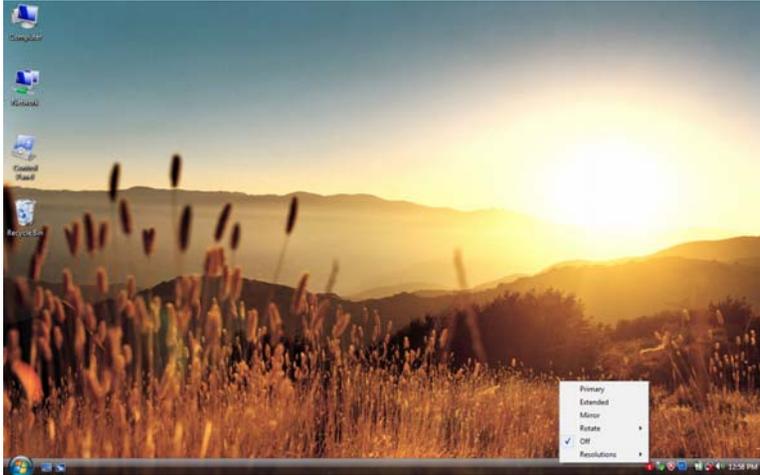
This feature enables setting the orientation of the secondary CRT/LCD monitor. Several options such as “**0 degrees**”, “**90 degrees**”, “**180 degrees**” or “**270 degrees**” are available under the Extended or Primary mode.



## FUNCTION DESCRIPTION

### “OFF” Mode

This option disables the USB 2.0 to DVI-I Adapter on the system.



## SUPPORTED COMMON DISPLAY RESOLUTION

Aspect Ratio	Resolution	VGA	DVI
16:10	1920 * 1200	16	N/A
16:9	1920 * 1080	16	N/A
16:10	1680 * 1050	16, 32	16, 32
16:10	1440 * 900	16, 32	16, 32
16:10	1280 * 800	16, 32	16, 32
15:9	1280 * 768	16, 32	16, 32
5:4	1280 * 1024	16, 32	16, 32
4:3	1600 * 1200	16, 32	16, 32
4:3	1400 * 1050	16, 32	16,32
4:3	1280 * 960	16, 32	16,32
4:3	1152 * 864	16, 32	16,32
4:3	1024 * 768	16, 32	16,32
4:3	800 * 600	16, 32	16,32

# TECHNICAL SPECIFICATIONS

Operating System	Windows 2000/XP/Vista
PCB Version	UDA200 Version:1.1
USB 2.0 Cable	Length: 100± 5 cm, ( mini B-A type)
DVI connector	DVI-I (DVI Digital & Analog) Dual Link ( female)
Case Material	ABS
Power Source	Bus Powered
Monitor Refresh Frequency	60, 70, 75 & 85 (Hz)

# QUESTIONS & ANSWERS

This section describes the common Q&A regarding to the installation or operation of the USB 2.0 to DVI-I Adapter.

**Q:** Why can't I make the USB 2.0 DVI-I Adapter the primary display?

**A:** Some video cards ship their product with a utility that prevent other video cards from being set as the primary card. Check the bottom right hand corner taskbar for the utility. Disable the utility before switching our adapter to be the primary display.

**Q:** Why won't my DVD player work when I move it over to the extended display?

**A:** Some DVD playback software packages do not support playing on a second display adapter of any kind. You may try to open the program in the secondary display first before playing the DVD.

**Q:** Why won't my video play on Windows Media Player if I move it over to the extended desktop?

**A:** Check that you have moved the Media Player window completely over to the second screen.

**Q:** Why does my mouse not move pass the right side of the screen as it should on extended desktop?

**A:** Check the display settings and make sure that your display number '2' is on the right side of display number '1'. You can rearrange how Windows treats each display in relation to each other in the Display Properties Settings.

**Q:** There are lines running horizontally up and down my screen.

**A:** This is due to a low refresh rate setting. You can change this in the Display Properties Settings Advanced Monitor. Make sure you select the USB 2.0 to DVI-I Adapter first and not set the refresh rate higher than what your monitor can support. This may damage your monitor. You can also try to reset/refresh/resynchronize your monitor.

**Q:** Direct3D does not work?

**A:** This is a current limitation of the adapter. Please check for driver updates in the future to add support for this. If your application requires this, please use the main display adapter.

# TROUBLESHOOTING TIPS

The following troubleshooting tips may help if you are experiencing any difficulties using our device.

- Check to make sure that all connectors are plugged in correctly.
- Make sure that the USB port that you are using is USB 2.0.
- Try a different USB 2.0 port and/or computer
- Check to see that the monitor is connected correctly and the power is ON.
- Try connecting the adapter directly to the computer instead of through a hub.
- Unplug all other USB devices from the system.
- Make sure to restart your computer after the driver installation.
- Unplug the adapter and re-insert it.
- Check the website ([www.cablestogo.com](http://www.cablestogo.com)) to make sure you have the latest drivers.
- Reset/refresh/resynchronize your monitor.
- Selecting Primary Mode may disable the main system display on certain Intel graphics solution based computer system.
- If you have problems during the boot up process, start your computer in Safe Mode and uninstall the driver. Hold the CTRL key until the Windows startup menu appears and select Safe Mode.
- To verify the driver version that you installed, please click “Control Panel” → “Add or Remove Programs” to check the program: USB 2.0 External Graphics Card with DVI Interface (Multiple) 8.1.0.0521.0155 (this number is the driver version).

# REGULATORY COMPLIANCE

## **FCC**

This equipment has been tested and found to comply with FCC rules Part 15 Subpart B § 15.109/15.107 Class B. Operation is subject to the following two conditions:

- This device may not cause harmful interference
- This device must accept any interference received, including interference that may cause undesired operation.

## **CE**

This equipment is in compliance with the requirements of the following regulations:

EN 55022 Class B (2006), EN 55024 (1998+A1:2001+ A2:2003),  
IEC/EN 61000-3-2 (2006), IEC/EN 61000-3-3 (1995+A1 :2001+A2 :2005),  
(IEC/EN 61000-4-2 (1995+A1 :1998+A2 :2001)/-3 (2006)/-4(2004)/-5(2006)/  
-6 (1996+A1 : 2001)/-11 (2004)

## **C-Tick**

This equipment is in compliance with the requirements of the following regulations:

EN 55022 (2006), AS/NZS CISPR22 © IEC: 2005.

## **VCCI**

This equipment is in compliance with the requirements of the following regulations:

CISPR22 © IEC: 2005.

## CABLES TO GO™ ONE YEAR WARRANTY

At Cables To Go, we want you to be totally confident in your purchase. That is why we offer a one year warranty on this device. If you experience problems due to workmanship or material defect for the duration of this warranty, we will repair or replace this device. To request a Return Merchandise Authorization (RMA) number, contact customer service at 1-800-506-9606 or [www.cablestogo.com](http://www.cablestogo.com).



Cables To Go  
3555 Kettering Blvd.  
Moraine, OH 45439  
1-800-506-9607  
[www.cablestogo.com](http://www.cablestogo.com)

# IMPORTANT SAFETY INFORMATION

**!** Do not plug the unit in any outlet that does not have enough current to allow the switch to function. Refer to the specifications in this manual for power level of the unit.

**! Liquid:**

If this unit or its corresponding power adapter has had liquid spilled on or in it, do not attempt to use the unit. Do not attempt to use this product in an outdoor environment as elements such as rain, snow, hail, etc. can damage the product.

**!** In case of a storm, it is recommended that you unplug this device from the outlet.

**!** Avoid placing this product next to objects that produce heat such as portable heaters, space heaters, or heating ducts.

**! THERE ARE NO USER SERVICEABLE PARTS**

Do not attempt to open this product and expose the internal circuitry. If you feel that the product is defective, unplug the unit and refer to the warranty information section of this manual.

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For more information on this product or to check for updated drivers, manuals or frequently asked questions please visit our website.

[www.cablestogo.com](http://www.cablestogo.com)



VER. 1.0.4.9.09