# Cloning the Touchscreen to the Projector

(for when only 1 is displaying the desktop)

The easiest way to avoid having to do this, is to be sure that both the Touch Screen monitor cable and the Projector cable are plugged into the computer prior to starting the system. If at any time you start the system with only 1 display attached, it will lose the 'cloning' information and you will have to follow this procedure to reset it.

#### Connecting to the computer:

First – Let's be sure you have connected the Projector & Monitor to the computer properly. Generally when you install a video card into a computer, the onboard video adapter is disabled. So both the projector & monitor must be plugged into the installed video card (see image to right).

Note that some computers and/or devices will require the use of a DVI-to-VGA adapter to make the appropriate connection(s). See image below for a sample of this adapter:





## Connecting to the projector:

Be sure that when you connect to the projector that you are connected to the 'Computer 1 In' connection. You should also press the 'Computer 1' button on the remote. You should see an image in the upper right corner of your projection screen that will say 'Computer 1'. It will, generally, tell you if it is not receiving a signal by putting 'No Input' under the 'Computer 1' indicator.



You also need to be sure the projector is aware that is should be looking for connection through the 'Computer 1' input. To do so, simply press the 'Computer 1' button on the remote as shown below:



## Finding your Video Card Controls:

When you right-click on the desktop (somewhere that does not have an icon) you will see an option for either the 'ATI Catalyst Control Center' or 'Nvidia Control Panel' based on which video card is installed in your particular system. Follow the instructions below to clone the 2 displays so they are identical.



#### **Instruction Links:**

ATI Catalyst Control Center - Basic Mode ATI Catalyst Control Center - Advanced Mode nVidia Control Panel - Option 1 nVidia Control Panel - Option 2

#### ATI Catalyst Control Center (known as CCC) – Basic Mode:





If prompted to save settings, be sure to press 'Yes':



That's all. You've successfully cloned the monitors and they should appear identically now.

## ATI Catalyst Control Center (known as CCC) – Advanced Mode:

1. When you open the ATI CCC, you will see the following window. Be sure that the Displays Manager is selected. If it is not, then select it.

	📶 Catalyst Control Center
	📲 View 🔹 🍄 Hotkeys 🔹 🔏 Profiles 🔹 🙀 Preferences 🔹 🚱 Help 🔹
	Graphics Settings
Be sure that Displays Manager	Welcome Displays Manager
is selected.	Display Options Uriaphics Adapter :
	Monitor Properties 1     Desktop and Display Setup
	© Color ⊗ Video VPU Recover Attached displays currently disabled: 1 2
	To make changes, drag or right-click the display Detect Displays
	Selected Display on: VisionTek Radeon X1050
	T3-17B1 [Single]
	Desktop area: Color quality: Refresh rate:
	1280 x 1024         High (32-bit)         ▼         75 Hz         ▼
	GRAPHICS Force Foration:
	Basic OK Apply Discard Defaults

2. You then need to enable display 2, by selecting the box with the '2' in it and dragging it to the 'Attached displays currently disabled' box.



	📶 Catalyst Control Center
	📲 View 🔹 🏟 Hotkeys 🔹 🔏 Profiles 🔹 🙀 Preferences 🔹 🚱 Help 🔹
Drop the image into this square.	Graphics Settings Welcome Information Center Displays Manager Display Options Monitor Properties 1 So Color Wyleo VPU Recover VPU Recover Attached displays currently disabled: Display Setup Display
	To make changes, drag or right-click the display Detect Displays
	Selected Display on: Vision Tek Radeon X1050
	Desktop area:     Color quality:     Refresh rate:       1280 x 1024     High (32-bit)     75 Hz       Rotation:     Standard Landscape (0°)     Force
	Basic OK Apply Discard Defaults

3. You will then be prompted if you'd like to enable the display.

📶 Catalyst Control Center		🗖 🗖 🔀	
📲 View 🔹 🏟 Hotkeys 🔹	🔏 Profiles 🔹 🙀 Preferences 🔹 🚱 He	lp -	
Graphics Settings			
Welcome         Information Center         Displays Manager         Display Options         Monitor Properties 1         Image: Solution Contersity         Image: Color         Image: VPU Recover	Displays N Graphics Adapter : 1.VisionTek Radeon X1050 [ T3-1781 ] Desktop and Display Setup Main:	anager	
Enable this o	lisplay?		
The display yc and place icon	w are trying to position is not currently enabled. If yo is on it. Do you wish to enable this display?	u enable it, it will be part of your	desktop, and allow you to show windows, use your mouse,
	Selected Display on: VisionTek Radeon X1050		
GRAPHICS	T3-17B1 [Single]         Desktop area:       Color quality:         1280 x 1024       High (32-bit)         Rotation:       Standard Landscape (0*)	Refresh rate:       75 Hz       Force	
Basic	OK Apply Discard	I Defaults	

- Select 'Yes' to enable the 2<sup>nd</sup> display.
   You will now notice that Display 2 is present in the Desktop and Display boxes.

	Catalyst Control Center
Notice that Display 2 is now showing.	Welculie       Information Center         Displays Manager       Graphics Adapter :         Display Options       1.VisionTek Radeon ×1050 [ T3-17B1 ]         Monitor Properties 0       Desktop and Display Setup         Solor       Desktop 1:         VPU Recover       Desktop 2:         Attached displays currently disabled:       1
	To make changes, drag or right-click the display Detect Displays Selected Display on: VisionTek Radeon X1050 T3-17B1 [Extended] Desktop area: Color quality: Refresh rate:
	Basic     OK     Apply     Discard     Defaults

6. Now that the computer is aware that there are 2 displays active, let's clone them so they have the same image on both. Right-click on the Desktop 2 icon.

Right-Click on	Catalyst Control Center          Catalyst Control Center         View <ul> <li>Hotkeys</li> <li>Profiles</li> <li>Preferences</li> <li>Help</li> <li>Graphics Settings</li> <li>Welcome</li> <li>Information Center</li> <li>Displays Manager</li> <li>Graphics Adapter :</li> <li>Display Options</li> <li>Monitor Properties 0</li> <li>Monitor Properties 1</li> <li>So</li> <li>Color</li> <li>View</li> <li>VPU Recover</li> </ul> <li>Desktop 1:</li> <li>Desktop 2:</li> <li>1</li> <li>1</li> <li>2</li>
the Desktop 2 icon.	Attached displays currently disabled:         To make changes, drag or right-click the display         Detect Display on: VisionTek Radeon×1050         T317B1 [Extended]         Desktop area:       Color quality:         Refresh rate:         1280 x 1024 < High (32-bit)         Standard Landscape (0*)         Force         Basic         OK       Apply         Discard       Defaults

7. You will get the following menu when you do so:

	📶 Catalyst Control Center
	Transises Settings
Select the option to Clone Desktop 1 with monitor.	Graphics Settings         Welcome       Displays Manager         Displays Manager       Displays Manager         Display Options       Graphics Adapter :         Wonktor Properties 0       Desktop and Display Setup         Wideo       VelU Recover         VPU Recover       Rotate         Attached displays current       Rotate         Clone Desktop 1 with monitor       Stretch Desktop 1 with monitor         Stretch Desktop 1 vertically onto monitor       Stretch Desktop 1 vertically onto monitor         Stretch Desktop 1 vertically onto monitor       Stretch Desktop 1 vertically onto monitor         Stretch Desktop 1 vertically onto monitor       Stretch Desktop 1 vertically onto monitor         Stretch Desktop 1 vertically onto monitor       Stretch Desktop 1 vertically onto monitor         Stretch Desktop 1 vertically onto monitor       Stretch Desktop 1 vertically onto monitor         Stretch Desktop 1 vertically onto monitor       Stretch Desktop 1 vertically onto monitor         Stretch Display on: VisionTek Radeon X1050       T317B1 [Extended]         Desktop area:       Color quality:       Refresh rate:         I280 x 1024  Imager       High (32-bit) Imager       T5 Hz Imager         Rotation:       Stretch Desktop Imager       Force
	Basic OK Apply Discard Defaults

8. When you select the 'Clone Desktop 1 with monitor', the screen will flash and when it re-appears you'll be prompted to save your changes. Select the 'Yes' button.

	🖾 Catalyst Control Center
	📲 View 🔹 🍄 Hotkeys 🔹 🔏 Profiles 🔹 🚀 Preferences 🔹 🚱 Help 🔹
	Graphics Settings
Select the 'Yes' button.	Welcome       Displays Manager         Display S Manager       Graphics Adapter :         Display Options       1.VisionTek Radeon×1050 [T3:17B1 + VT80Series ]         Monitor Properties 0       Desktop and Display Setup         Solor       Color         VPU Reco       Monitor Setup         Your Displays Manager Notification       Xour Displays Manager settings have been reconfigured.
	Reverting in 14 seconds     Yes     No       icons.     Detect Displays       Selected Display on: VisionTek Radeon ×1050
	T3-17B1 [ Clone ]         Desktop area:       Color quality:         Refresh rate:         1280 x 1024          High (32-bit)         75 Hz         Rotation:         Standard Landscape (0*)
	Basic OK Apply Discard Defaults

9. That's all. You've successfully cloned the monitors and they should appear identically now.

# **NVIDIA Control Panel (Option 1):**

NVIDIA Control Panel		F68
le Edit View Profiles Display Help		
G 🚥 · 🔘 🔳 Standard Sector	ngs •	
elect a Tank	Set IIn Multiple Displays	
<ul> <li>20 Settings</li> <li>Agust mage settings with preview Set Pilly do influentation visited Oracity</li> <li>Digitiv</li> <li>An digitir gothication visited Change transitions</li> <li>Agust device color settings Rote to a failer with an experiment of the approximation of the approximation and the approximation of the approximation Agust index color settings Rote to a failer sing settings Rote to a failer</li></ul>	Set Up Multiple Displays         WDDA-videe bachedog allows you to speedy how you would like to use your multiple deplays. Core is a conserved file to use your multiple deplays. Core is a conserved file to use your multiple deplays. Core is the same on both displays (bring)         Other the same on both display mode to use.         Original core displays you would like to use.         Image: Accert T2001 + NEC MP1050ers         Step 1:         Step 1:         Dependent         Dependent         Dependent         Dependent         Step 1:         Step 1:         Step 3:         Typical usage contaries:         - Usard for going a presentation. The some information on your screen is shown on the projector to your and screen allows and the region of the same maps on both distance on your screen is shown on the projector to your and the same maps on both distance on your screen is shown on the projector to your and the speed of the screen allows and the region of the projector to your and the speed of the screen allows and the region of the projector to your and the speed of the screen allows and the region of the projector to your addition of the screen allows and the region of the screen allows are screen as screen ascreen as allows andithe region of the screen allows are screen as	et transmission and Database is parted for a larger dedice. Step 2: Select the option labeled 'The same on both displays (Clone)' displays' 

When prompted to Save Setting changes, select 'Yes':



That's all. You've successfully cloned the monitors and they should appear identically now.

# **NVIDIA Control Panel (Option 2):**

NVIDIA Control Panel		
File Edit View Profiles Display Help		
🔇 Back 🔹 🔘 🚮 🖽 Advanced Se	ettings •	
Select a Task		*
E-30 Vision	Set Up Multiple Displays	
- Set up storeoscopic au - View compatibility with games - O Settings - Advertisers estimate with reviews	NVIDIA n/Vew technology allows you to specify how you would like to use multiple displays.	
-Manage 3D settings - Set Physik configuration	1. Select the displays you want to use.	
Change resolution	GeForce 9500 GT	
-Adjust desktop color settings -Adjust desktop size and position	V KENNESSENES	
- Rotate display - 24t up multiple displays		
Wideo     Advast video color settinos		Salact
Adjust video image settings	My display is not shown	Select
	2. Verify your display configuration.	Set up multiple
Sistem Information  NVIDIA Control Panel  File Edit. View Profiles Display Help  Sack + So Information  Add Select a Task  Select a Ta	Arreed Setting: ►	uispiays
Set up stereoscopic 30	R	estore Defaults
B- 3D Settings	NVIDIA nView technology allows you to specify how you would like to use multiple displays.	Step 1:
<ul> <li>Adjust image settings with preview</li> <li>Manage 3D settings</li> </ul>		Dight click on the
Set PhysX configuration	1. Select the displays you want to use.	right side display box
-Change resolution	GeForce 9500 GT	right side display box
-Adjust desktop coor settings -Adjust desktop size and position	ET1715-8CWA	
Rotate display		
🕀 Video		
Adjust video mage settings		Stop 2
	vey depay a not shown	otep z.
	2. Verify your display configuration.	Select one of the
		Duplicate display
		options
	Make this the Windows main disp	play
	Extend desktop on this display	
	Duplicate displays (use NEC NP61	(0Serves as primary clone)
	Duplicate displays (use ET1715L-8	8CWA as primary clone)
	Identify display	
	😒 Main display	
Sustain Information		
Contraction to the second second		* .

When prompted to Save Setting changes, select 'Yes':



That's all. You've successfully cloned the monitors and they should appear identically now.