USB VGA/DVI Display Adapter

User Manual
# Table of Contents

**INTRODUCTION** ......................................................................................................................... 3  
  Functions................................................................................................................................. 3  
  Highlighted Features.................................................................................................................. 4  
  Required Environments............................................................................................................ 5  
  Physical Specifications.............................................................................................................. 5  
  Resolutions and Color Depth....................................................................................................... 6  
  Package Contents....................................................................................................................... 8

**GETTING STARTED** – Notes for Before Installation ........................................................................... 9

**INSTALLATION FOR WINDOWS 7** ...................................................................................................... 10  
  Device Driver Installation.......................................................................................................... 10  
  Verify Device Driver Installation............................................................................................... 16  
  Device Driver Un-installation....................................................................................................... 18

**INSTALLATION FOR WINDOWS VISTA** ................................................................................................. 20  
  Device Driver Installation.......................................................................................................... 20  
  Verify Device Driver Installation............................................................................................... 26  
  Device Driver Un-installation....................................................................................................... 28

**INSTALLATION FOR WINDOWS XP** .................................................................................................... 30  
  Device Driver Installation.......................................................................................................... 30  
  Verify Device Driver Installation............................................................................................... 36  
  Device Driver Un-installation....................................................................................................... 38

**INSTALLATION FOR MAC SNOW LEOPARD** .......................................................................................... 40  
  Device Driver Installation.......................................................................................................... 40  
  Device Driver Un-installation....................................................................................................... 44

**FUNCTIONS INSTRUCTIONS: WINDOWS 7** .......................................................................................... 46  
  Display ID................................................................................................................................. 46  
  Display Resolution.................................................................................................................... 47  
  Display Orientation.................................................................................................................... 48  
  Identify Monitors...................................................................................................................... 53  
  Multi-Display Control Panel....................................................................................................... 53  
  Display Setting.......................................................................................................................... 54  
  Fix Position............................................................................................................................... 54

**FUNCTIONS INSTRUCTIONS: WINDOWS VISTA/XP** ................................................................................. 55  
  Display ID................................................................................................................................. 55  
  Display Rotation.......................................................................................................................... 57  
  Display Mode.............................................................................................................................. 57  
  Identify Monitor.......................................................................................................................... 59  
  Multi-Display Control Panel....................................................................................................... 60  
  Display Setting.......................................................................................................................... 61  
  Display Resolution.................................................................................................................... 62  
  Display Mode.............................................................................................................................. 62  
  Windows Arrangement.................................................................................................................. 63

**TROUBLE SHOOTING** ......................................................................................................................... 66

**REGULATORY COMPLIANCE** ................................................................................................................ 69

**WARRANTY OF j5 create** ..................................................................................................................... 70

**j5 create PRODUCTS** ......................................................................................................................... 71
INTRODUCTION

Thank you for purchasing the **j5 create (JUA210 / JUA230) USB 2.0 Display Adapter**! This adapter acts as an external graphics card for your MAC or PC. It allows you to add an additional VGA (JUA210) or DVI (JUA230) monitor/display through your USB 2.0 port. No need to open up the computer to add an expensive graphics card, with the **USB 2.0 Display Adapter** you simply load the drivers, plug in the adapter to the USB port, then plug in the VGA or DVI monitor cable into the adapter and you are ready. The **j5 create USB 2.0 Display Adapter** supports three viewing modes. Primary mode, allows you to have individual applications open on each monitor, vastly improving productivity. Extended mode allows you to extend your desktop across multiple displays, great for spreadsheets. Mirroring mode is used to clone one screen onto another, ideal for presentations. With “Plug & Play” functionality between your computer and 2nd monitor or projector, you will be able to create a new visual environment in seconds.

In addition, **j5 create** has developed this compact design for the sophisticated user who cares about function as well as elegance.

**Functions**

- Add an additional monitor without adding an expensive, internal video card, avoiding complicated installation
- Hot swappable USB enables you to add or remove monitors without rebooting your system
- Move and view your large spreadsheets across two screens without overlapping windows
- Multitask with larger landscape/desktop space
- Ideal for viewing multiple windows at the same time
- Great for multitasking in a wide variety of applications including: Phone centers, Stock Markets, Hospitals, Graphic Design, Editing, Accounting, Etc.
- A must have for surfing the web and working on your email/facebook/twitter accounts all at the same time.
**Highlighted Features**
- Supports display resolution: 1920 x 1200 @ 32bit
- Plug-and-Play USB connectivity
- Allows for up to 4 adapters in Windows
- Allows for up to 2 adapters in Mac
- Supports Display Modes: Primary, Extended, Mirror
- Display Rotation: 0°, 90°, 180°, 270°
- Aluminum enclosure that is non-toxic and recyclable
- Easy driver install
- Friendly software:
  - Identify Monitors
  - Multi-Display Control Panel
  - Shortcut to access Windows
  - Display setting dialog

**Usage**

**Editor:**
- Efficient editing of documentation on one screen and researching reference materials on the other

**Presentation:**
- Use mirror mode while your laptop is plugged into a projector through the **USB Display Adapter**
- Use Primary mode to have two monitors and/or projectors for creative displays

**Office:**
- Dual display scenario: view large spreadsheets across 2 screens with display continuity. (For example: Excel document)
- Independent: using desk space and doing multi-jobs at the same time- increase efficiency.
- Read and reply to email on one screen and open attachments on the other

**Graphics Workstation:**
- Design and check reference material at the same time.
- More space for tablets and photo/video editing

**Entertainment:**
- Watch TV/Movie while searching the program preview
- Play games online on one screen with the strategy guide on the other screen
Stock Market Trading:
• Monitor multiple stock markets and market news simultaneously

Coding/Programming:
• Allows effective code programming on one screen and software program companion on the other screen.

Required Environments
✧ Microsoft Windows 7, Vista, XP (32-bit or 64-bit) Compatible
✧ Mac OS X Snow Leopard Compatible
✧ Available USB 2.0 port
✧ Temperature: Operating: -50°F~131°F
  Non-Operating: -77°F~167°F
✧ Minimum System Requirements

<table>
<thead>
<tr>
<th>QTY</th>
<th>1~2 Dongle</th>
<th>3~4 Dongles</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>Intel/AMD Dual core 1.8 GHz or above</td>
<td>Intel / AMD QUAD CORE 2.4GHz or above</td>
</tr>
<tr>
<td>RAM</td>
<td>2 GB or Higher</td>
<td>4 GB or Higher</td>
</tr>
<tr>
<td>USB</td>
<td>An independent power supply is required when using the USB HUB to connect multiple dongles.</td>
<td></td>
</tr>
</tbody>
</table>

This device is intended for ‘Office Applications’ and not for ‘Home Entertainment’ & ‘Video Playback’.

*note:*
Due to constant advancements in technology we, at j5 create, make it a priority to give you the latest drivers available for our products. To ensure that your device is equipped with the most current driver, please visit our website at www.j5create.com and install the latest driver for this model.

Physical Specifications

<table>
<thead>
<tr>
<th>Model: JUA210</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interface</td>
</tr>
<tr>
<td>Host Interface</td>
</tr>
<tr>
<td>Video Interface</td>
</tr>
<tr>
<td>Power</td>
</tr>
<tr>
<td>Power Mode</td>
</tr>
</tbody>
</table>
### Power Consumption

- **≤500mA**

### Physical Specification

<table>
<thead>
<tr>
<th>Housing Material</th>
<th>Aluminum</th>
</tr>
</thead>
</table>
| Dimensions       | Main body: 54(W)x 93(H)x14(D) mm  
|                  | Cable length: 130 mm |
| Weight           | Approximately 72g |

**Model: JUA230**

### Interface

<table>
<thead>
<tr>
<th>Host Interface</th>
<th>USB 2.0 Type-A Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video Interface</td>
<td>DVI-I Female Connector</td>
</tr>
</tbody>
</table>

### Power

<table>
<thead>
<tr>
<th>Power Mode</th>
<th>Bus-powered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Consumption</td>
<td>≤500mA</td>
</tr>
</tbody>
</table>

### Physical Specification

<table>
<thead>
<tr>
<th>Housing Material</th>
<th>Aluminum</th>
</tr>
</thead>
</table>
| Dimensions       | Main body: 54(W)x 93(H)x14(D) mm  
|                  | Cable length: 130 mm |
| Weight           | Approximately 83g |

### Resolutions and Color Depth

<table>
<thead>
<tr>
<th>Aspect Ratio</th>
<th>Resolution</th>
<th>Color Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wide Screen Display</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:10</td>
<td>1920 x 1200</td>
<td>16,32 bits</td>
</tr>
<tr>
<td>16:9</td>
<td>1920 x 1080</td>
<td>16,32 bits</td>
</tr>
<tr>
<td>16:10</td>
<td>1680 x 1050</td>
<td>16,32 bits</td>
</tr>
<tr>
<td>16:9</td>
<td>1600 x 900</td>
<td>16,32 bits</td>
</tr>
<tr>
<td>16:10</td>
<td>1440 x 900</td>
<td>16,32 bits</td>
</tr>
<tr>
<td>16:9</td>
<td>1360 x 768</td>
<td>16,32 bits</td>
</tr>
<tr>
<td>16:10</td>
<td>1280 x 800</td>
<td>16,32 bits</td>
</tr>
<tr>
<td>15:9</td>
<td>1280 x 768</td>
<td>16,32 bits</td>
</tr>
<tr>
<td>16:9</td>
<td>1280 x 720</td>
<td>16,32 bits</td>
</tr>
</tbody>
</table>

<p>| <strong>Standard Display</strong> | | |
|---------------------| | |</p>
<table>
<thead>
<tr>
<th>Aspect Ratio</th>
<th>Resolution</th>
<th>Bits</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:3</td>
<td>1600 x 1200</td>
<td>16,32 bits</td>
</tr>
<tr>
<td>4:3</td>
<td>1400 x 1050</td>
<td>16,32 bits</td>
</tr>
<tr>
<td>5:4</td>
<td>1280 x 1024</td>
<td>16,32 bits</td>
</tr>
<tr>
<td>4:3</td>
<td>1280 x 960</td>
<td>16,32 bits</td>
</tr>
<tr>
<td>4:3</td>
<td>1152 x 864</td>
<td>16,32 bits</td>
</tr>
<tr>
<td>4:3</td>
<td>1024 x 768</td>
<td>16,32 bits</td>
</tr>
<tr>
<td>4:3</td>
<td>800 x 600</td>
<td>16,32 bits</td>
</tr>
</tbody>
</table>
### Package Contents

<table>
<thead>
<tr>
<th>Component</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>USB VGA Display Adapter</strong> (JUA210)</td>
<td></td>
</tr>
<tr>
<td>Quick Installation Guide</td>
<td></td>
</tr>
<tr>
<td>Driver CD with E-Manual</td>
<td></td>
</tr>
<tr>
<td><strong>USB DVI Display Adapter</strong> (JUA230)</td>
<td></td>
</tr>
<tr>
<td>Quick Installation Guide</td>
<td></td>
</tr>
<tr>
<td>Driver CD with E-Manual</td>
<td></td>
</tr>
</tbody>
</table>
GETTING STARTED – Notes for Before Installation

✓ Install driver completely before inserting the **USB Display Adapter** USB Cable into your computer
✓ Run the setup program as an administrator to avoid errors in installation
✓ Uninstall the previous driver first before updating the latest driver
✓ Connect the VGA or DVI connector of **USB Display Adapter** to the VGA or DVI cable of display device first before connecting to USB port of computer
✓ It is recommended to use an independent power supply for USB Hub while multiple dongles are connected to the USB Hub
✓ The display screen will flash during installation
INSTALLATION FOR WINDOWS 7

Device Driver Installation
This section illustrates the procedure for device driver installation for Windows 7. To start, insert the Driver CD into your computer’s CD-ROM drive. The setup program should be launched automatically. If Autorun does not begin, go to “Computer”, Click on your optical drive, and manually run the setup CD by double-clicking on “Setup.exe”

※Please make sure the USB cable of USB Display Adapter is unplugged from your PC or Notebook before executing the installation program.

1. InstallShield Wizard launched, click Next> to continue

2. Read the license agreement and check “I accept the terms of the license agreement.” Click Next> to accept it and continue.
3. Driver installation proceeding.....
4. When Install Shield Wizard is complete, select “Yes, I want to restart my computer now.” Click [Finish] to restart.

5. After your computer is rebooted, connect the external display device (monitor/ projector) to the VGA/DVI connector of the **USB Display Adapter** and turn on the display device.

6. Connect the **USB Display Adapter** into an available USB 2.0 port of a PC or Notebook. After inserting the **USB Display Adapter** into an USB 2.0 port, the “**Installing device driver software**” message will pop up.

If the Driver software was installed successfully the following message should appear:
If you’re not going to install another **USB Display Adapter**, restart your PC. The functions of the **USB Display Adapter** will be activated after the computer restarted.

**Multi USB Display Adapter Installation**
For installation of multiple **USB Display Adapters**, during the “**Install Shield Wizard complete**” step, select “**No, I will restart my computer later.**” and click **Finish** to continue next step below.

**A.** Connect all external display devices (monitor/ projector) to the VGA/DVI connector of **USB Display Adapters** and switch power on.

**B.** Connect the **USB Display Adapter** into an available USB 2.0 port of a PC or Notebook.
After inserting an **USB Display Adapter** into a USB 2.0 port, the systems will automatically start the installation procedure and the prompt message will pop-up on the task bar.

The Device driver software was installed properly,

If you are going to install more **USB Display Adapters**, repeat step A & B or restart computer.

The functions of the **USB Display Adapter** will be activated after the computer restarted. You might see the extend display shown on the display device.

You can modify the corresponding position of each extend display via display settings. Go to “**START**” → “**Control Panel**” → “**Appearance and Personalization**” → “**Adjust screen resolution**”

※ Right-click on the desktop and go to “**Screen Resolution**”
When the ‘Screen Resolution’ window appears, each monitor's number can be identified by clicking “Identify.” Drag the monitor to the location you want.
Verify Device Driver Installation
The following procedure helps you to verify the driver installation status of the USB Display Adapter.

Right-click “My Computer” → “Manager” → “Device Manager” click “+” sign of “Display Adapter” → “Universal Serial Bus controllers”

The picture below shows the installation process for a Single USB Display Adapter

The picture below shows the installation process for a Multiple USB Display Adapter
Device Driver Un-installation

※ Unplug the **USB Display Adapter** before un-installing the driver.

1. Click **Start** → **Control Panel** → **Programs and Feature** → **Uninstall or Change a Program**
   
   Select **j5 DISPLAY ADAPTER**... Click **Uninstall**

   ![Uninstall Screen](image)

2. A message will appear asking if you want to remove the selected application. Click ‘ok’ to continue.

   ![Confirm Uninstall Screen](image)

3. Driver un-installation proceeding....
4. When the driver uninstall is completed select “Yes, I want to restart my computer now.” Click Finish to restart.
INSTALLATION FOR WINDOWS VISTA

Device Driver Installation
This section illustrates the simple device driver installation procedure for a computer running Windows Vista operating system. When your computer is ready to use, insert the Driver CD into the CD-ROM drive. The setup program should be launched automatically, if Autorun does not begin, go to “Computer”, Click on your optical drive, and manually run the setup CD: Double Click on “Setup.exe” to start.

※ Make sure the USB cable of USB Display Adapter is unplugged from your PC or Notebook before executing the installation program.

1. When InstallShield Wizard is launched, click [Next>] to continue

2. Read the license agreement and check “I accept the terms of the license agreement.” Click [Next>] to accept it and continue.
3. Driver installation proceeding.....
4. When Install Shield Wizard is complete, select “Yes, I want to restart my computer now.” and click Finish to restart.

5. After rebooting connect the external display device (monitor/ projector) to the VGA/DVI connector of USB Display Adapter and turn on the display device.

6. Connect the USB Display Adapter into the USB port of a PC or notebook. A message should appear saying “Installing device driver software.”

This icon ( ) will be seen on the lower right toolbar. When the Driver software has been installed successfully the following message should appear.
If you’re not going to install more USB Display Adapters, restart your PC.

The functions of the USB Display Adapter will be activated once the computer restarted.

**Multi-USB Display Adapter Installation**
For installation of 2 or more USB Display Adapters, select “No, I will restart my computer later.” and click **Finish** to continue to the next step after the Driver is installed.

A. Connect all external display devices (monitors/ projectors) to the VGA/DVI connector of USB Display Adapters and turn the power on.

B. Connect the USB Display Adapter into the USB port of a PC or Notebook. The system will automatically start installation and the prompt message will pop-up on the task bar.
The Device driver software was installed properly, if you are going to install more **USB Display Adapter**, Please repeat step A & B. or please restart computer.

The functions of **USB Display Adapter** will be activated after the computer restarted. You would see the extended display is shown on the display device.

You can modify the corresponding position of each extend display via display settings. Go to “**START**” → “**Control Panel**” → “**Appearance and Personalization**” → “**Adjust screen resolution**” or Right-click on the desktop and go to ‘Screen Resolution’
When the ‘Screen Resolution’ window appears, each monitor’s number can be identified by clicking “Identify.” Drag the monitor to the location you want.
Verify Device Driver Installation

The following procedure helps you to verify the driver installation status of the USB Display Adapter

Right- click “My Computer” → “Manager” → “Device Manager” click “+” sign of “Display Adapter” & “Universal Serial Bus controllers”

The picture below shows the installation process for a **Single USB Display Adapter**

![Single USB Display Adapter](image)

The picture below shows the installation process for a **Multiple USB Display**

![Multiple USB Display](image)
Adapter

![Diagram of computer management showing USB display adapter settings]

- **Trigger II External Graphics Extend**
- **Trigger II External Graphics Mirror**
- **Intel(R) ICH10 Family USB Enhanced Host Controller**
- **USB Mass Storage Device**
Device Driver Un-installation

※Unplug the **USB Display Adapter** before un-installing the driver

1. Click “Start” → Control Panel → Programs and Feature → Uninstall or change a program.
   Select **j5 USB DISPLAY ADAPTER XXX**. Click **Uninstall**.

2. A message will appear asking if you want to remove the selected application. Click ‘ok’ to continue.
3. Driver un-installation proceeding….

4. When the driver uninstall is completed select “Yes, I want to restart my computer now.” Click [Finish] to restart.
INSTALLATION FOR WINDOWS XP

Device Driver Installation
This section illustrates the procedure for device driver installation for Windows XP. To start, insert the Driver CD into your computer’s CD-ROM drive. The setup program should be launched automatically. If Autorun does not begin, go to “Computer”, Click on your optical drive, and manually run the setup CD by double-clicking on “Setup.exe”

※Please make sure the USB Display Adapter is unplugged from your PC or Notebook before executing the installation program.

1. Install Shield Wizard launched, click Next to continue

2. Read the license agreement and check “I accept the terms of the license agreement.” Click Next to accept it and continue.
3. Driver installation proceeding.....

4. When Install Shield Wizard is complete, select “Yes, I want to restart my computer now.” Click [Finish] to restart.
5. After your computer is rebooted, connect the external display device (monitor/ projector) to the VGA/DVI connector of **USB Display Adapters** and turn it on.

6. Connect the **USB Display Adapter** into an available USB 2.0 port of a PC or Notebook. After inserting the **USB Display Adapter** into an USB 2.0 port, the "**Installing device driver software**" message will pop up.

An icon ( ![ ] ) will be seen on the lower right toolbar. The message pictures below shows Driver software is installed successfully.
If you’re not going to install another **USB Display Adapter**, restart your PC. The functions of the **USB Display Adapter** will be activated after the computer restarted.

**Multi-USB Display Adapter Installation**
For installation of multiple **USB Display Adapters**, during the “**Install Shield Wizard complete**” step, select “**No, I will restart my computer later.**” and click **Finish** to continue next step below.
A. Connect all external display devices (monitor/ projector) to the VGA/DVI connector of **USB Display Adapters** and switch power on.

B. Connect the **USB Display Adapter** into available USB 2.0 port of PC or Notebook.

After Inserting an **USB Display Adapter** into a USB 2.0 port, the systems will automatically start the installation procedure and the prompt message will pop-up on the task bar.

The Device driver software was installed properly, if you are going to install more **USB Display Adapters**, repeat step A & B or restart computer

The functions of the **USB Display Adapter** will be activated after the computer restarted. You might see the mirror display shown on the display device.
You can modify the corresponding position of each extend display via display settings.

Go to “START” → “Control Panel” → “Display Properties” → “Settings”

When Display Properties windows appears, each monitor’s number can be identified by clicking “identify”

Drag the monitor to the location you want.

Note:
If your internal graphics card is Dual Display Ports.....

1. When using Single USB Display Adapter
The display device which connected to the 2nd VGA port will be numbered 3rd monitor, the display device which connected to the USB Display Adapter will be numbered 2nd monitor.

2. When using two USB Display Adapter
The display device which connect to the 2nd VGA port will be numbered 4th monitor, the display device which connected to the USB Display Adapter will be numbered 2nd and 3rd monitor and so on...
Verify Device Driver Installation

The following procedure helps you to verify the driver installation status of **USB Display Adapter**

Right-click **“My Computer”** → **“Manager”** → **“Device Manager”** click “+” sign of **“Display Adapter”** → **“Universal Serial Bus controllers”**

The picture below shows the installation process for a **Single USB Display Adapter**
The picture below shows the installation process for a Multiple USB Display Adapter.
Device Driver Un-installation

※Unplug the **USB Display Adapter** before un-installing the driver

1. Click **Start**→ **Control Panel** → **Programs and Feature** → **Uninstall or change a program**
   Select **j5 DISPLAY ADAPTER** ... Click **Uninstall**

![Image of Add or Remove Programs window]

2. Confirm windows will pop out, Click to continue.

![Image of confirmation window]

3. Driver un-installation proceeding....
4. When the driver uninstall is completed select “Yes, I want to restart my computer now.” Click **Finish** to restart.
INSTALLATION FOR MAC SNOW LEOPARD

Device Driver Installation
Installing the device driver enables your computer's operating system to recognize the USB Display Adapter. This section illustrates the device driver installation procedure for a computer running Snow Leopard.

※ Make sure the USB cable of USB Display Adapter is unplugged from your Mac Desktop or Mac Notebook before executing the setup program.

1. Insert the Driver CD into the CD-ROM drive; and run the .dmg file to load drivers.
2. Click “Continue” to proceed

![USB Display Adapter Installer](image1)

3. Click “Continue” to proceed

![USB Display Adapter Installer](image2)
4. Type in your password and click “OK”

5. Click “Continue Installation”
6. Installation is processing...This will take a few moments

7. Click “Restart” to complete the software installation

8. Connect the external display device (monitor/projector) to the VGA/DVI connector of **USB Display Adapter** and turn on the display device

9. Plug the **USB Display Adapter** into the USB port of your Mac Desktop or Mac Notebook. The screen will turn on automatically, and be in “Mirror Mode”
Device Driver Un-installation

1. Unplug the **USB Display Adapter** from the USB port

2. Run Un-installation program

3. Click “Open” to proceed

4. Click “Uninstall and restart” to proceed

5. Type in your password to allow un-installation and click OK to proceed.
6. Click “restart” to restart your system
FUNCTIONS INSTRUCTIONS: WINDOWS 7

This section describes the many functions provided by the **USB Display Adapter**. Display device’ here means any number of things such as CRT, LCD monitor, TV display, or projector.

**Display ID**

**Smart Display Device ID Detection**

Window 7 OS supports VESA defined DDC/EDID. It will be shown as the **Display device ID** whenever it is attached to the **USB Display Adapter**.
Display Resolution

**Fast Access to Display Resolution setting**
The resolution list will show when moving the cursor on Display Resolution. Select the resolution you want for the USB Display Adapter.

Default resolution: 1024 x 768 x 32 bit
Display Orientation

The Orientation allows you to turn the display device, which is connected to USB Display Adapter.
Display Mode

Extended mode (Default)
This feature allows the display device attached to the **USB Display Adapter** to work as an “extended” display of the on-board screen.

You can adjust the position by clicking “number” of the display first and select “Extend these displays” and click “Apply”
Mirror mode-Duplicate

This feature allows the same contents of the on-board screen to be displayed to the screen of the **USB Display Adapter**

You can select “**Duplicate these displays**” and click “**Apply**”
Primary mode
When you want to switch the enabled monitor as main display and extend view to on-board screen.

choose the “Number” of the main display you want it to be and make a “check” mark on “Make this my main display”.

![Change the appearance of your displays](image)
Off mode
To turn one of the displays off:
Select “Show desktop only on 1” and the 2nd display will be off
Select “Show desktop only on 2” and the 1st display will be off

Super Utility
A super utility provides more options; you can find the icon on the lower right task bar
Identify Monitors
When “Identify Monitors” is selected, a serial number will be shown at the upper right corner of the display devices. You can see the serial number of each display when using the Hotkey function.

Multi-Display Control Panel
This unique feature provides a simpler working experience for the multi-display environments. A series of Hotkey setting helps move quickly between desired display devices.

※Using Hotkeys
Default setting is [Ctrl] + [Display No.]
Click the window you want to move at the task bar to become active, and then press Hotkey
※Setting Hotkeys
For example: Move window to Display03, and automatically enlarge it to full screen.

Choose “Move Active Window to Display03”, check “Move Window and Full screen”, and click [Apply].

Display Setting
Fast access to the system “Display Setting”

Fix Position
This function helps you arrange the positions of all the display locations you have set in Display > Screen Resolution. After Display Location set, make a “Check” in this function. All display location will be fixed. It is great for multi-displayer user.
FUNCTIONS INSTRUCTIONS: WINDOWS VISTA/XP

You can choose all the functions simply and directly only by clicking on this icon ( ] ) seen on the lower right toolbar.

Display ID

Smart Display Device ID Detection
The USB Display Adapter supports VESA defined DDC/EDID. The utility should show the display device ID whenever it is attached to the USB Display Adapter.

If there is no display device attached to the USB Display Adapter the ID will show up as “Unknown Monitor.” If the attached display device does not support EDID, the ID will also be defined as “Unknown Monitor.”
Display Resolution

Default Resolution: 1024 x 768 x 32 bit

The resolution list will be shown when moving the cursor on Display Resolution. Select the resolution you want for your display device which connected to USB Display Adapter.
Display Rotation

The Display Rotation allows you to turn the display device, which is connected to USB Display Adapter. It is a useful function for some rotatable display device.

There are 4 options available: 0 degree/ 90 degrees/180 degrees/ 270 degrees under the Extended or Primary display mode.

Display Mode

Extended (Default Mode)

Default display mode allows the attached USB Display Adapter enabled display device to work as “Extended” display of the onboard screen. This extended working space feature improves work efficiency.
**Mirror Mode**

When **Mirror** selected, the screen of display device, which is connected to **USB Display Adapter**, will be the same as the main display, and Display Rotation will be disabled automatically.

You can select either “Horizontal Flip”, or “Vertical Flip”.

---

**Primary Mode**

When **Primary** is selected, the display device, which is connected to **USB Display Adapter**, will become the main display, the display of the internal graphics card will automatically switch to be the extended display and act as an extension desktop.
Off

When Off selected, it will disable the display of the USB Display Adapter.

Identify Monitor

When Identify Monitors is selected, a serial number will be shown at the upper right corner of attached display device.

It helps you to know the serial number of each display, when using Hotkey function.
Multi-Display Control Panel

When Multi-Display Control Panel is selected, the window of Multi-Display Control Panel will pop-up to enable the modification of the hotkeys.

※ Using Hotkey

Default setting is Ctrl + Display No.
Click the window you want to move on task bar to become active, and then press Hotkey.

※ Setting Hotkey

For example: Move window to Display03, and automatically enlarge it to full screen.
Choose “Move Active Window to Display03”, check “Move Window and Full screen”, and click [Apply] to make it active.
Display Setting

Fast access to the system “Display Setting”
FUNCTIONS INSTRUCTIONS: MAC SNOW LEOPARD

Display Resolution

Go to 🍎, and then “System Preferences”

From “System Preferences” click on the “Display” tab. You should see this screen.

✧ On this screen, you can adjust the resolution, display mode and color range.

Display Mode

Click on the “arrangement” tab, and uncheck “mirror display to un-Mirror the screen. You will automatically see another window appear on the screen that represents the USB Display Adapter.
✦ You can move the menu bar to any display to assign any display to Primary.

✦ If you cannot see the Display window to adjust your secondary monitor resolution, click on the “Gather Windows” button.

TIP: To simplify using the **USB Display Adapter**, click “show display in menu bar.” You will see the display icon that you can double-click on at any time.

### Windows Arrangement

**You can arrange Windows on display by “Exposé & Spaces”**

Go to , and then “System Preferences”
From **System Preferences** click on “Exposé & Spaces.” You should see this screen.
✧ Space

Click “Show Spaces in menu bar.” You should see the space number on the menu bar that you can choose any space on the list at any time.
F8: you will see the Space Layout with a single keystroke. You can draw any window to other space.

✿ Exposé
View different windows with a single keystroke.

- F9: view all open windows
- F10: view windows of the current application only
- F11: show desktop

*For more windows arrangement functions, please see Apple’s computer user manual.
TROUBLE SHOOTING

If you have any questions about using this device, follow the instructions below. If any further assistance is needed, please visit our website or call j5 create support hotline.

Known Issues
- Direct 3D is not supported under XP. It would be supported under Win 7 Aero mode
- The Print screen function in the extend display currently is not supported under MAC OS. 10.6.

General Recommendations
- Incompatibilities exist when using other Video over USB Devices on a single system. Please ensure that all other Video over USB drivers are uninstalled before continuing with j5 create installation.
- Check to make sure that the device is plugged in correctly to the host system.
- Make sure that the USB port that you are using is USB Display Adapter.
- Unplug the USB cable of USB Display device and re-insert it.
- Check to see that the monitor is connected correctly and is powered ON.
- Make sure to restart your computer after the driver installation.
- Try a different USB 2.0 port and/or computer.
- Unplug all other USB devices from the system.
- Try connecting the USB cable of USB Display device directly to the computer instead of through a hub.
- Reset/refresh/resynchronize your monitor.

Media Playback
- During video playback on all platforms, please do not change the display mode, position or arrangement of the video player window (such as dragging the video player window between the main display and attached display). This may cause the video player to stop playing. We suggest stopping the video playback, moving the window to the USB graphics device attached display and then selecting the video clip to start playing.
- Cursor movement is slower when the mouse hovers on the video region of the Flash player,
- Downsizing your screen landscape lower than 50% will help smooth out Jerky video playback for videos running in Full Screen Mode
- You may experience poor video performance on USB graphics devices with low spec PC systems.
- Video rendering using hardware overlays is supported.
- Some DVD playback software packages do not support playing on a second display adapter of any kind. You may try to open the media player in the secondary display first before you start playing the DVD.
- Your PC may lack certain media codec to support the playback of certain video formats. Please use the link below to install license free media codec.


- Video/Media players have different decoding capabilities under different display modes. For better performance watching DVDs or certain video formats on the attached USB graphics display attached, it is recommended to use the following license free software:

  **VLC Media Player:**  [http://www.videolan.org/vlc/](http://www.videolan.org/vlc/)
  **Media Player Classic:**  [http://sourceforge.net/projects/guliverkli/](http://sourceforge.net/projects/guliverkli/)

Others

- Some graphics card, i.e. Intel, prevents other secondary graphics chipset from being set as the primary card. As the result of this, primary mode might not work or the display maybe disabled.
- 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 Display Device (Trigger 2) 9.xx.xxxx.0159 (the number means the driver version).
- Some limitation exists in different media player on file format support. We enclose our compliance test result in the tables according to different operating system, main system graphics card/chipset, media players, and the supported media format. It will be updated periodically with new version of media players or our latest driver.
TECHNICAL SUPPORT

If you have any issue using this product, please follow instruction below before returning this product to the store.

1. The User Manual
   It contains the detail instruction and troubleshooting section; many common issues can be easily resolved by reading the user manual.

2. Online Support
   Please visit j5 create website (www.j5create.com) to find the latest software for your device. If you still experience the same issue, you can submit a trouble description via email service@j5create.com. j5 create technical support team will reply you within the next 24 business hours.

3. Telephone Support
   Please call us at 888-689-4088 and one of our support technicians will be very happy to assist you.

Customer Service:
Toll free number: 888-988-0488

Technical Support:
Toll free number: 888-689-4088

Email: service@j5create.com

Please contact Technical Support during business hours. 10:00 AM-6:00 PM E.S.T. Monday- Friday for further assistance.
REGULATORY COMPLIANCE

FCC
This equipment has been tested and found to comply with FCC 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, including interference that may cause undesired operation of the device.

CE
This equipment is in compliance with the requirements of the following regulations:
EN 55022 Class B (2006),

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

VCCI
This equipment is in compliance with the requirements of the following regulations:
CISPR22 © IEC: 2005

Disclaimer
Information in this document is subject to change without notice. The manufacturer does not make any representations or warranties (implied or otherwise) regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any commercial damage, including but not limited to special, incidental, consequential, or other damage. No part of this document may be reproduced or transmitted in any form by any means, electronic or mechanical, including photocopying, recording or information recording and retrieval systems without the express written permission of the manufacturer.
WARRANTY OF j5 create

j5 create offers a limited 2-year warranty. User’s wear & tear damage are not included.

The user shall call or email j5 create customer service with defect information of the product and obtain a return authorization number. Users are responsible for one way return freight cost and we will take care of one way freight back.

In order to obtain a return authorization, user should have the following information handy when calling or emailing the service team:

(i) a copy of original purchase invoice to verify your warranty
(ii) a product serial number
(iii) a description of the problem
(iv) a return Material authorization number
(v) customer’s Name, address, and telephone number

j5 create does not warrant that the operation of the product will be uninterrupted or error-free. j5 create is not responsible for damage arising from failure to follow instructions relating to the product’s use. This warranty does not apply to: (a) consumable parts, unless damage has occurred due to a defect in materials or workmanship; (b) cosmetic damage, including but not limited to scratches, dents, and broken plastic on ports; (c) damage caused by use with non-j5 create products; (d) damage caused by acts of God (natural disasters, flood, fire, earthquake, lighting strike, typhoon etc.); (e) damage caused by human misuse (lost, accident, abuse, misuse or other external causes); (f) damage caused by operating the product outside the permitted or intended uses described by j5 create; (g) damage caused by service (including upgrades and expansions) performed by anyone who is not a representative of j5 create or a j5 create Authorized Service Provider; (h) a product or part that has been modified to alter functionality or capability without the written permission of j5 create; or (i) if any j5 create serial number on the product has been removed or defaced.

If such a situation occurs, j5 create will calculate the cost of materials and repair for your reference.

This warranty is given by j5 create in lieu of any other warranties express or implied.

Copyright© 2011 j5 create. All rights reserved. All trade names are registered trademarks of their respective owners. Features and specifications are subject to change without notice. Product may not be exactly as shown in the diagrams.
<table>
<thead>
<tr>
<th>Model Name</th>
<th>Model</th>
<th>Brief Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB 2.0 Display adapter Series</td>
<td>JUA210/230/250</td>
<td>This video over USB 2.0 adapter works as an external video card, instantly allowing additional displays, without the hassle of opening the computer casing and installing an external graphic card. You'll be able to extend your desktop across multiple displays or select mirror mode to clone one screen onto another.</td>
</tr>
<tr>
<td>USB 3.0 Display adapter Series</td>
<td>JUA310/330/350</td>
<td>USB 3.0 Display Adapter works as external video allowing you to add an additional display instantly through any available USB 3.0 port. Supporting 10 times faster than USB 2.0 standard speed &amp; also widescreen resolution.</td>
</tr>
<tr>
<td>Newport Station</td>
<td>JUD200</td>
<td>Newport Station is a universal docking station for all laptop computers. Simply connect your monitor, keyboard, mouse, Ethernet, speakers, microphone and any other USB peripheral to your laptop with one USB Cable. It is the perfect solution to expand your device with limited ports like the Macbook Air® and EeePC® into a full size workstation with an additional monitor.</td>
</tr>
<tr>
<td>Wormhole Switch</td>
<td>JUH320/320V2</td>
<td>Wormhole Station is a multifunction device designed to increase speed for users who frequently work between two computers. It enables keyboard/mouse drag &amp; drop applications simultaneously between PC, Laptop or Tablet. It also has two powerful USB 3.0 ports and 3 kinds of card readers (SD/MMC, Mini SD, and Memory Stick) built in. Great for file sharing, fast storage and mouse/keyboard switching.</td>
</tr>
<tr>
<td>Wormhole Switch Series</td>
<td>JUC100/200/400</td>
<td>Wormhole Switch series allows you to connect and work/share on two PCs, Laptops or Tablets for different operation systems only with one USB cable. While connected you can drag/drop and copy/paste files, photos, music, or other documents from one computer to the other instantly. You can also use on keyboard and one mouse to work on both computers. Great for sharing information and for working on a small tablet or laptop while connected to a full sized keyboard and mouse.</td>
</tr>
</tbody>
</table>

For more information, please visit our website [http://www.j5create.com](http://www.j5create.com)