

Kit Contents

- **JumpStart server**
- **Accessory box:**
 - **Product registration card**
 - **JumpStart Quick Setup Guide**
 - **JumpStart software CD**
 - **JumpStart Operation Manual**
 - **Keyboard**
 - **Mouse**
 - **AC power cord**
 - **6 x Mini DisplayPort to DVI-D cable adapter**
 - **4 x DVI to VGA adapter**
 - **4 x DVI to Component adapter**
 - **4 x DVI to HDMI adapter**

Before You Begin

- Turn the display wall and master ECU on.
- Make sure that the MicroTiles display wall that you are connecting to has 1 to 6 ECUs with a single master ECU.
- Select a location that has accessible power for the JumpStart server and the display wall.
- Select a location for the server that has unrestricted airflow so that the maximum temperature of 35° C (95° F) is not exceeded.
- If you mount the server into a rack, avoid uneven mechanical loading. (Optional Rail Kit: P/N: 128-100102-xx)

1. Unpack the Server and Accessories

1. Remove and set aside the accessories box from the JumpStart box.
2. Pull the JumpStart server up and out of the box with the handles on the upper corners of the server.
3. Unpack the keyboard and the mouse from the accessories box.

2. Connect the JumpStart Server

Turn your ECUs and display wall on.

When you turn the ECUs on for the first time, they perform a negotiation phase to determine which one will be the master ECU. During the negotiation process, the LED lights of all ECUs flash green. When negotiation is complete, only the LED light on the right side of the back panel of the master ECU flashes green.

4. Connect the smaller end of each of the Mini DisplayPort-to-DVI-D adaptor cables to the port on the back panel of the JumpStart server.



Port	Description
1	DVI
2	Mini Display Port

5. Connect the DVI extension cable (not supplied) to the DVI output port.
6. Connect the extension cable to a display device in any order.
7. Connect the keyboard and the mouse to the USB 2.0 ports on the back panel of the JumpStart server.

If you are connecting the server directly to the master ECU with an Ethernet cable, the server and master ECU IP addresses must be the same network. For assistance adding the JumpStart server to a network, see your network administrator.

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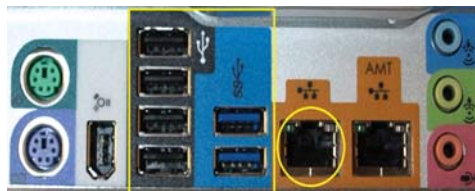
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8. Connect one end of a CAT5 Ethernet cable (not provided) to an Ethernet port on the server.



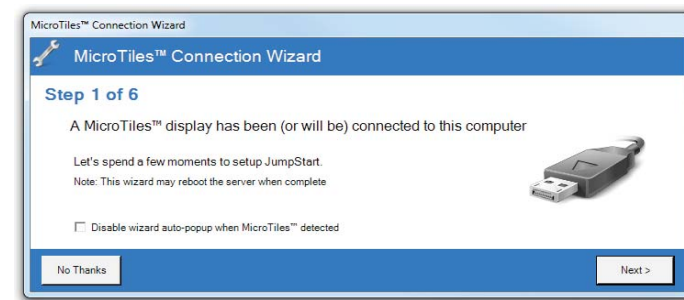
9. Connect the other end of the CAT5 Ethernet cable to an Ethernet port on the router that is connected to the master ECU, or directly into the master ECU.
10. Connect the server to a power supply using the supplied AC power cord.
11. Press the power button on the front panel of the server.

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3. Connect to the Display Wall with the MicroTiles Connection Wizard

If the JumpStart server is successfully connected to a MicroTiles wall, the MicroTiles Connection Wizard appears.

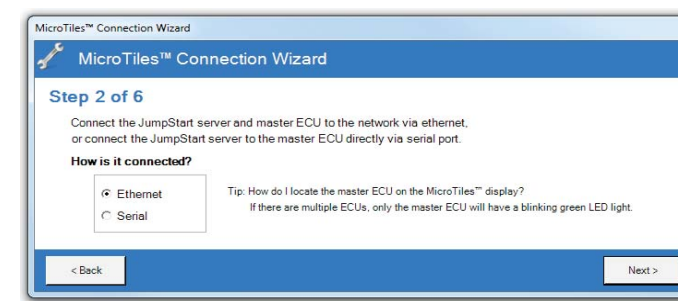


1. If the MicroTiles Connection Wizard does not appear, disconnect one of outputs and connect it to a computer monitor. Complete steps 2 to 8 and then disconnect the computer monitor and reconnect the connector to the JumpStart server.
2. Click **Next**.

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3. Select **Ethernet** or **Serial** and then move to the Configure an Ethernet Connection or Configure a Serial Connection procedures.

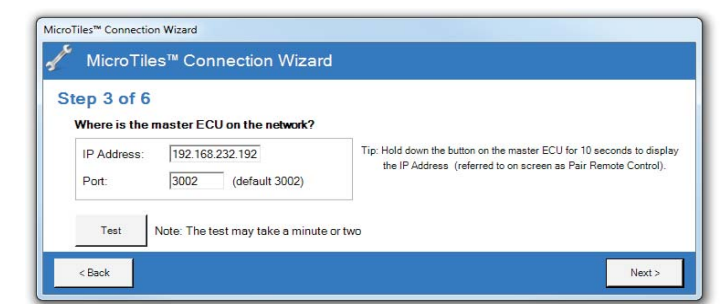


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Configure an Ethernet Connection



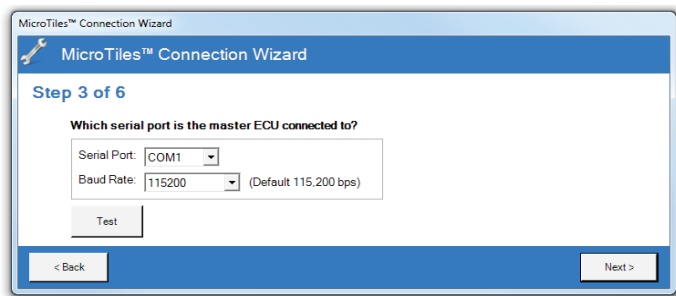
1. Enter the master ECU IP address in the **IP Address** field.
To identify the master ECU IP address, press and hold the Power button on the master ECU for 10 seconds. On your display wall, the IP address is called **Pair Remote Control**.
2. Enter the master ECU port to which the JumpStart server is connected in the **Port** field.
3. Click **Test**. If an error message appears, make sure that your master ECU and display wall are powered on and that your JumpStart server is connected properly.
4. Click **Next**.

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Configure a Serial Connection

1. Enter the serial port to which the master ECU is connected in the **Serial Port** field.



2. Enter the baud rate of the master ECU serial port in the **Baud Rate** field.
3. Click **Test**.
If an error message appears, make sure that your master ECU and display wall are turned on and that your JumpStart server is connected properly.
4. Click **Next**.

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Update the Firmware

To work with JumpStart, your ECUs and MicroTiles need the latest version of the firmware. If you need to upgrade your firmware, a link appears on the MicroTiles web interface. For more information, see the *MicroTiles User Manual (P/N: 020-100329-XX)* on www.christiedigital.com (click **Products** > **Christie MicroTiles** > **Downloads** > **User Manuals**).

Adobe Flash is required to view the MicroTiles web interface. To download this free application, visit the Adobe Flash Player web site.

1. Click the link.
2. Select **Configuration** > **Firmware Upgrade** > **ECUs and MicroTiles**.

If DHCP is Enabled

To work with JumpStart, your ECU must be networked and DHCP must be disabled. If you have DHCP enabled, a link appears on the MicroTiles web interface. For more information, see the *MicroTiles User Manual (P/N: 020-100329-XX)* on www.christiedigital.com (click **Products** > **Christie MicroTiles** > **Downloads** > **User Manuals**).

Adobe Flash is required to view the MicroTiles web interface. To download this free application, visit the Adobe Flash Player web site.

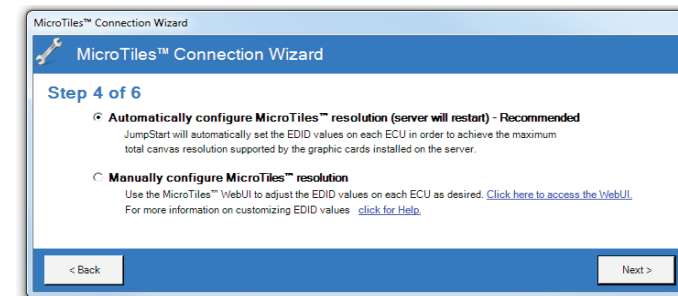
1. Click the link.
2. Select **Configuration** > **Ethernet**.
3. From the **DHCP** list, select **Disabled**, and then click **Apply**.

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Automatically Configure MicroTiles Resolution

1. Select **Automatically configure MicroTiles resolution (server will restart) - Recommended**.



If the Automatic configuration fails, select **Manually configure MicroTiles resolution** and move to the Manually Configure MicroTiles Resolution procedure.

2. Click **Next**.

The extended display identification data (EDID) values are set on each ECU to achieve the optimal canvas resolution supported by the server. Any subarrays that you have defined are also reset.

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Manually Configure MicroTiles Resolution

Complete this procedure if the automatic MicroTiles resolution configuration fails.

1. Click **Click here to access the Web UI**.
2. Select **Canvas Management** > **Layout** > **Subarray Configuration**.
3. Click **Auto Subarray**.
4. Select **Source Management** > **Customize EDID**.
5. Adjust the **Horizontal Size**, **Vertical Size**, and **Frame Rate** settings to match your display wall. When you adjust these settings, the **Bandwidth** is updated dynamically. Christie recommends that the bandwidth should not exceed 150 MHz.

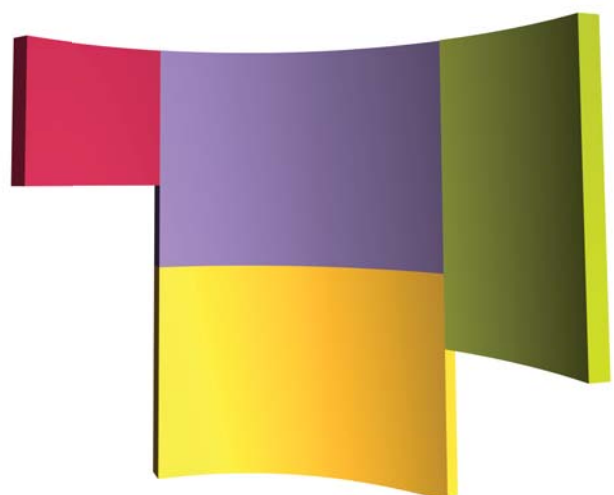
Click **Apply**.

For more information, see the *MicroTiles User Manual (P/N: 020-100329-XX)* on www.christiedigital.com (click **Products** > **Christie MicroTiles** > **Downloads** > **User Manuals**).

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Quick-Start Guide for Installation with MicroTiles

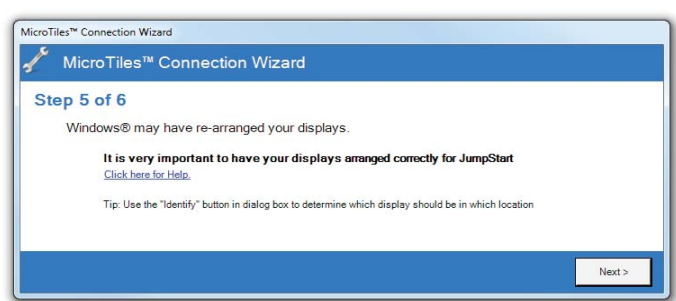


JumpStart
CHRISTIE

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USA - Cypress	ph: 714-236-6810
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Spain	ph: +3491 633 9990
Japan	ph: 81-3-3599-7481
United Kingdom	ph: +44 118 977 8000
Middle East	ph: +971 (0) 4 299 7575
Shanghai	ph: +86 21 6278 7708
Worldwide offices	
Germany	ph: +49 2161 664540
Singapore	ph: +65 6877 8737
South Korea	ph: +82 2 702 1601
Beijing	ph: +86 10 6551 0240
Eastern Europe	ph: +36 (0) 1 47 48 100



Arrange Your Displays

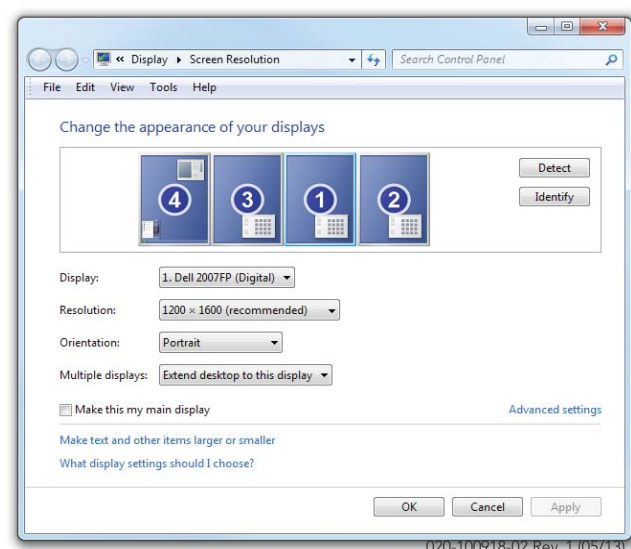


1. Click **Next** to display the Microsoft Windows Desktop Display Settings window.

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Arrange Your Displays continued

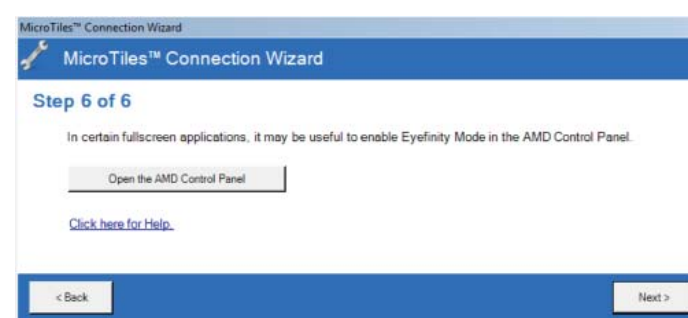


2. If the display wall image is arranged correctly, click **Cancel** to return to the MicroTiles Connection Wizard.
3. If the image is not arranged correctly, move the icons so they match the layout of your MicroTiles wall.
4. Click **OK**.
5. Click **Next**.

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Full Screen Applications



1. Click **Open the AMD Control Panel** if you are using multiple ECUs and want to show full-screen applications or use the Christie Interactivity Kit across the entire canvas.
2. Click **AMD Eyefinity Multi-Display > Create Eyefinity Group**.
3. Select a display in the list.
4. Click **Continue**.
5. Select a layout for the display group and then click **Continue**.
6. Click **Arrange** and then select the screens in the order that they should appear.
7. Click **Done**.

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4 Install the JumpStart Client Software

The JumpStart client software is installed on the JumpStart server. You can also install it on another computer (optional).

1. Insert the installation CD into the computer on which you want to run JumpStart.
2. Click **Install Products**.
3. Click **Install JumpStart Client**.
4. Read and accept the license agreement.
5. Click **Install**.
6. When the installation is complete, click **Finish**.

5 Run the JumpStart Client Software

On the server or the computer where the JumpStart client is installed, click **Start > All Programs > Christie > JumpStart**.

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6 Connect a JumpStart Client to a Server

1. Click **Start > All Programs > Christie > JumpStart**.
2. Click the **File** tab and then click **Manage**.
3. Click **Add**.
4. Enter a descriptive name for the JumpStart server in the **Name** field.
5. Enter the IP address or host name of the server in the **Address** field.
6. Click **OK**.
7. To close the Manage Servers dialog box, click **OK**.
8. Click the **File** tab and then click **Select** to select a JumpStart server.

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7 Create a Scenario

1. Click the **File** tab and then click **New**. A new, empty scenario grid appears on the JumpStart canvas.
2. Expand a list in the left pane.
 - Videos
 - Pictures
 - Applications
 - Input Channels
 - Color Windows
 - Text Windows
 - Commands
3. Click and drag content windows from the lists in the left panel to the canvas in the right panel.
4. Add additional windows to the canvas.

You can have more than 60 windows on your canvas, but you cannot exceed 60 when you save or activate the scenario
5. Click **Save**.
6. Enter a name for the scenario in the **Scenario Name** field.
7. Click **OK**.

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8 Add Content

JumpStart can display windows with videos, pictures, applications, input channels, and color and text content. For videos, pictures, applications, and input channels, you need to add the source content to JumpStart before you can add them to a scenario. The items you can add to a scenario are shown in the panels to the left of the canvas.

Videos and Pictures: You typically store content on the hard drive of the JumpStart server. You can store content on a remote hard drive, but the device must be connected when playing scenarios.

1. Transfer files onto the JumpStart server with a USB flash drive, portable hard drive, or network share. Once you have content on the JumpStart server hard drive or another accessible drive, you can add that content to JumpStart.
2. Click the appropriate panel in the left pane and then click **Add**.

Applications: Any applications that you add to JumpStart must be installed on the JumpStart server.

1. Click the Applications panel in the left pane and then click **Add**.
2. Specify which applications are **Removed** (not visible to JumpStart) and **Added** (visible to JumpStart).

Color and Text Boxes: Create customized color and text boxes to show in a scenario. Click the appropriate panel and click **Add**. Any fonts that are used in text windows must be installed on the JumpStart server.

Input Channels: To view the input channels that you have attached to the JumpStart server, click the Input Channels panel.

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9 Change Schedule and Run Scenario

You use the schedule to define when and how frequently content appears in a scenario. You can also use the schedule pane to change the order in which content is displayed (which windows are on top and which are underneath).

To run a scenario on your display wall, click **Activate** on the **Home** or **File** ribbons.

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REGULATORY

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

This Class A digital apparatus complies with Canadian ICES-3 (A) / NMB-3 (A).
Cet appareil numérique de la classe A est conforme à la norme ICES-3 (A) / NMB-3 (A) du Canada.

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GENERAL WARRANTY STATEMENTS

For complete information about Christie's limited warranty, please contact your Christie dealer. In addition to the other limitations that may be specified in Christie's limited warranty, the warranty does not cover:

- a. Damage occurring during shipment, in either direction.
- b. Damage caused by misuse, improper power source, accident, fire, flood, lightning, earthquake or other natural disaster.
- c. Damage caused by improper installation/alignment, or by product modification, if by other than a Christie authorized repair service provider.
- d. Problems caused by combination of the equipment with non-Christie equipment, such as distribution systems, cameras, video tape recorders, etc., or use of the equipment with any non-Christie interface device.
- e. Failure due to normal wear and tear.
- f. Warranty does not cover image retention.

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Preventative maintenance is an important part of the continued and proper operation of your product. Please see the Service Manual for specific maintenance items as they relate to your product. Failure to perform maintenance as required, and in accordance with the maintenance schedule specified by Christie, will void the warranty.