**EVSP24VW**

**Connecting and Configuring Multiple Units**

The EVSP24VW supports daisy chaining and cascade modes to support larger video wall configurations. To connect multiple units and create large video walls, you will need to separately configure each unit Device ID using the software found on [www.vanco1.com](http://www.vanco1.com), using the RS232-CTL port on the back of the unit. **It is important to note that control of multiple units can ONLY be done using RS232.**



1. Connect the first main unit to a computer using the RS232-CTL port and the provided RS232 cables.
2. Open the EVSP24VW software found under the downloads tab of the product page at [www.vanco1.com](http://www.vanco1.com).
3. Click **UART,** select the correct Comport from the dropdown menu, and select **Connect.**



1. Once connected to the software, go to the VIDEO WALL tab.

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* The **Device ID** correlates to each unit. Device 1 would have a Device ID of 1, Device 2 would have a Device ID of 2, Device 3 would have a Device ID of 3, etc.
* The **First Output Index** relates to the FIRST OUTPUT/DISPLAY NUMBER each unit would start with and provide video for. For example, Device 1 would have an Index number of 1 (starting with Screen 1 from the image above) and provide image for screens 1-4. Device 2 would have an Index number of 5 (starting with Screen 5 from the image above) and provide images for screens 5-8.

Here is a chart for reference on what to set each device to:

|  |  |  |
| --- | --- | --- |
| Unit # | Device ID | First output Index |
| 1 (main unit) | 1 | 1 |
| 2 | 2 | 5 |
| 3 | 3 | 9 |
| 4 | 4 | 13 |
| 5 | 5 | 17 |
| 6 | 6 | 21 |
| 7 | 7 | 25 |
| 8 | 8 | 29 |
| 9 | 9 | 33 |

1. After setting the ID and Index for each unit, click **SET**.
2. Go back to the **SWITCH** tab and disconnect the software from communicating to the first EVSP24VW.



1. Physically disconnect the 3-pin cable from the first EVSP24VW and connect the second unit to the computer using the RS232-CTL port on the unit and the provided RS232 cables and to connect to the software.



1. Again, once connected to the software, go to the **VIDEO WALL** tab to set the **ID** and **First Output Index**. Repeat for additional units.

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1. Go back to the **SWITCH** tab and disconnect the software from communicating to the first EVSP24VW.



1. Now that the units are configured, it is time to connect the units together. Using the provided RS232 cables, connect the first unit from the **CONTROL RS232** port, to your computer or 3rd party control system.
2. Next, using the provided 3-pin terminals, connect the **RS232** port of **Device 1** to the **CONTROL RS232** port of **Device 2** as shown in the diagram below.



NOTE: Make sure the TX pin from **Device 1** is connected to the RX pin on **Device 2**, and the RX pin from **Device 1** is connected to the TX pin on **Device 2**.



1. Once all physical connections are made, open the EVSP24VW software, **Connect**, and you will see all available displays.



**Daisy Chaining and Cascade Modes**

The EVSP24VW supports daisy chaining and cascade modes to support larger video wall configurations, as well to provide additional sources. **It is important to note that control of multiple units can ONLY be done using RS232.** As always it is important to set up the units correctly before proceeding. Visit the product webpage at [**www.vanco1.com**](http://www.vanco1.com) for additional information and documentation.

**Daisey Chaining** multiple units allows the same 2 sources to be able to be accessed to multiple units that make up larger video wall configurations. HDMI Loopouts A and B/Main of **Device 1**, are simply connected to Inputs A and B/Main of **Device 2** as shown below.



**Cascading** multiple units allows 1 common source to be shared from **Device 1** and allows ADDITIONAL sources to be connected to the other attached units for even more video wall capabilities! To accomplish this, connect a single source to **Input A**  on **Device 1**. Then connect the HDMI Loopout port **B/Main** of **Device 1** into the HDMI **Input B** on the **Device 2**. This will allow you to connect another source into the HDMI **Input A** port of **Device 2**. The example below shows 4 units being cascaded while being able to use 4 sources for additional video wall configurations and possibilities.

