# **Edit Video Wall Layout and Configure an Alarm**

A multiviewer video wall layout is edited with Grass Valley Orbit software: see MV-820 and Orbit User Manuals.

The following steps check some basic functionality: editing the default video wall, setting an alarm, and connecting Orbit to a multiviewer unit.

### Pull default layout from the Multiviewer:

1. Run the **Orbit** application on a PC (Orbit v2.1.10 or later). The Orbit Initial Screen is shown.



Please Login:

admin

ord: ·····

Login Cancel

2. Click menu bar File > New Project. Click "Connected Multiviewer Project". Browse into an empty PC folder, i.e. where the project data is to be stored. Note: Must be an empty folder.

Click Choose. Click Next.

- 3. Set the RollCall Domain ID. Click Search.
- 4. Select a multiviewer unit from the displayed list. Click OK.
- 5. Enter "admin" as Username and as Password.
- 6. Click Login. Multiviewer layout data is pulled from the multiviewer unit, read into Orbit, and stored on the PC.
- 7. The Orbit Project Screen is shown. This has four large icons:

Manage Users, Themes, Walls, and Tiles.



8. Click the Walls icon. Click on Wall 1 in drop-down list. The Wall Editor screen is shown for Wall 1.



To make a simple change to the multiviewer layout and push it back to the multiviewer unit, carry out the following steps:  $\rightarrow$ 

#### $\rightarrow$ Make a visible change to the wall:

9. Click on a middle wall tile to select the tile.



10. Change tile property **Tile>Preferences>Type** to Analogue Clock. The tile shows a round clock face.

11. Click menu bar **File > Save File** to save change.

### Enable a 'Video Input Lost' alarm:

- 12. Click menu bar **Multiviewer > Input Alarms**. A dialog is shown with tabs:
  - a) Input Tab: Set Selected Input to Input 1.
  - b) Alarm Tab: Scroll down Selected Alarm box. Select 'Video Input Lost'. Tick Alarm Enable. c) Input Tab: Click Copy All.

Alarm 'Video Input Lost' is enabled on all inputs. Click OK.

#### 13. Click menu bar File > Save File to save change.

#### Push the modified project to the multiviewer unit:

- 14. Click menu bar **Project > Select Multiviewer**. Enter the IP address of the multiviewer unit.
- 15. Click menu bar **Project > Push**. The modified project is pushed to the multiviewer unit.

The MV-820 unit adopts the new wall layout and the analogue clock is shown on multiviewer Output 1.

#### **Provoking a 'Video Input Lost' alarm warning:**

16. Disconnect the video signal to MV-820 video input 1. 'Video input loss' is detected; a flashing red border appears around corresponding wall tile.



17. An alarm error message can be seen in Orbit: Expand the Network View Pane multiviewer item; and right-click on the Input 1 item. A **Details** text window shows **Input 1** status.



This has exercised the MV-820 with Orbit, sending out alarm status messages which Orbit is intercepting.

# **MV-820**

Standalone Multiviewer Flexible Multi-head Displays

# **Quick Setup Guide**



Thank you for purchasing a new MV-820 Multiviewer.

This Quick Setup Guide will help you get running as guickly as possible.

# Upon Receipt of your MV-820 Multiviewer:

- The product is supplied in dedicated packaging provided by Grass Valley; it should not be accepted if delivered in inferior or unauthorized materials.
- Unpack the MV-820 product carefully and check components against the packing list. If anything is incorrect, please notify your Grass Valley Partner or notify Grass Valley directly.
- Check all components have not been damaged in transit. If any damage has occurred, notify your Grass Valley Partner (or Grass Valley directly) and the carrier immediately. Have your order details ready.
- Retain the original packing materials. They could be useful for future transporting or shipping.

### **Safety Information:**

**Caution:** MV-820 Multiviewer products should only be serviced by qualified personnel.

**Caution:** Take anti-static precautions when handling the product, or when inserting or removing any modules.

Caution: Ensure the MV-820 Multiviewer front door is properly closed at all times.

**Caution:** The MV-820 can be equipped with optical outputs, which contain low-power laser beams.





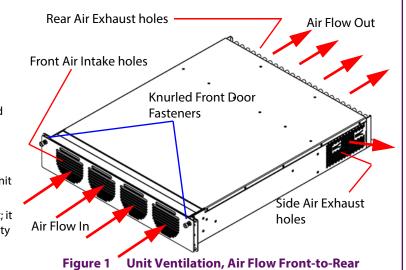
- Warning: Do not look into an optical output. Laser radiation can cause irreversible and permanent damage of eyesight.
- Warning: Do not look at the end of a fiber to see if light is coming out. Use optical instrumentation.
- Warning: Unused optical outputs should be covered, to prevent direct exposure to the laser beam.
- **Warning:** To reduce the risk of electric shock, do not expose this equipment to water or moisture.

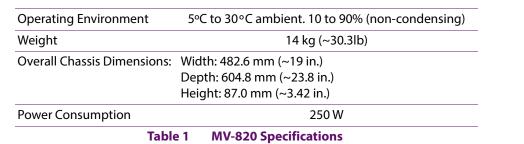
## Fitting the MV-820 Multiviewer into a 19" Equipment Rack

The MV-820 is designed to be installed and used in a standard 483mm (19 inch) equipment rack. It requires a 2RU high rack-space.

MV-820 Unit Ventilation: see Figure 1.

- Caution: Always keep the MV-820 front door closed. This ensures correct unit ventilation and operation.
- Caution: Do not block the unit's air intake and exhaust holes
- **Caution:** Ensure a minimum clearance at the unit rear of 200 mm. This is essential.
- Warning: Use proper procedures to lift the unit; it is heavy (14 kg, ~30.3 lb). Ask a Health and Safety adviser for information



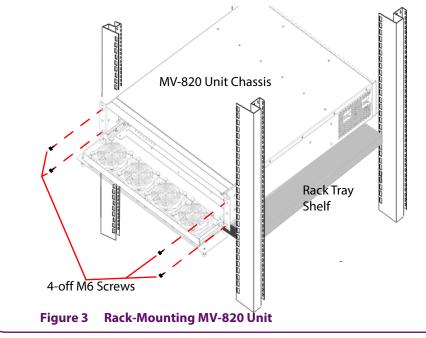


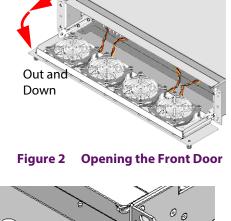
### **Rack-Mounting Instructions**

1. Check the rack is rigid enough for the unit. Use a suitable rack tray to take the unit's weight (see **Table 1**).

Note: The chassis rear will become heavier when cables are connected.

- 2. Position the MV-820 unit on the rack tray. Use the correct lifting procedures.
- 3. Open the front door by unscrewing the knurled door fasteners; then pull the front door out approx. 2cm and then down. See Figure 2.
- 4. Secure the MV-820 Multiviewer chassis in the rack at each mounting hole using 4-off M6 screws. See Figure 3 and Figure 4.
- 5. Close the front door by lifting it up and pushing it into the unit.
- 6. Secure the front door by tightening the knurled door fasteners.





Unit Rack

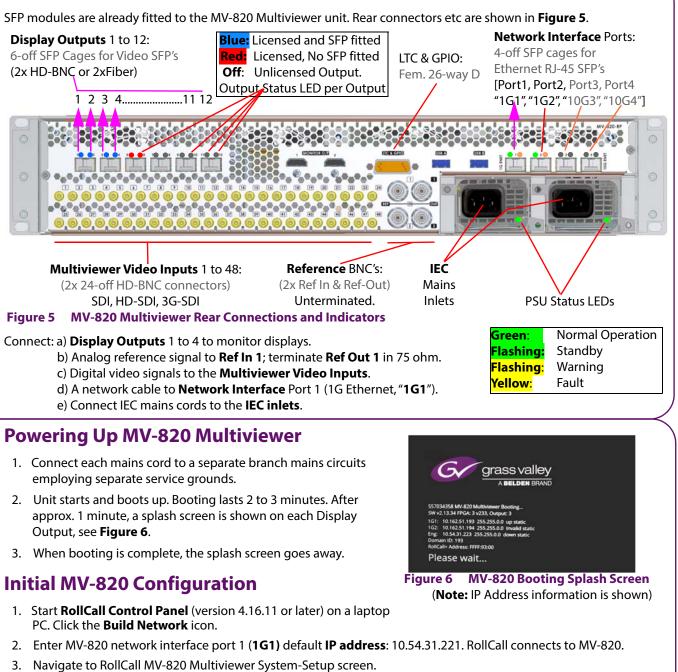
**Rack Mounting Holes** 

MV-820 Unit

Figure 4

**Mounting Holes** 





- 4. Set up Network Settings relevant for your house network (IP address, Subnet mask, etc).
- 5. In RollCall Settings, set up the Unit number (default = 01) and Domain ID (default = 100) for the MV-820. Note: Unit number must be unique for each unit. Typically, Domain ID is the same for each MV-820.

#### **Restart:**

- 6. Click System Reset (in RollCall Control Panel System-Setup screen); then click Confirm. A MV-820 System Reset starts. While MV-820 reboots, a splash screen shows unit IP address etc., see Figure 6.
- 7. Disconnect the MV-820's 1G1 port from the Laptop PC and connect the MV-820 to the house network.

Initial configuration for the MV-820 is done.

## **Default Video Wall**

8. Each Display Output shows a video tile-grid, with video inputs 1-48 shown across outputs 1-4, plus HH:MM:SS time and

1	2	3	HH MM SS OUTPUT 1	13	14 15	HH MM SS OUTPUT 2	25	26	27	HH MM SS OUTPUT 3	37	38	39	HH MM 55 OUTPUT 4	
4	5		6 8	16 19	17		18 20	28 31	29		30 32	40 43	41		42 44
7															
9	10	11	12	21	22	23	24	33	34	35	36	45	46	47	48

display output number shown on each output.