### 6) Default Video Wall Layout and Alarm Configuring

A video wall layout is edited with Grass Valley Orbit software; see the Grass Valley website for the Orbit and MV-840/850 User Manuals.

Perform the following steps to check basic functionality for: the video wall, setting an alarm; and Orbit network connection:

### Pull the default layout from the Multiviewer:

1. Run the **Orbit** application on a PC. (Orbit Version 2.1 or later)



Please Login:

me: admin

••••• Cancel

2. File > New Project. Click "Connected Multiviewer Project". Browse to a PC folder where wall layout data will be

stored. Must be an empty folder. Click Next.

3. Select a multiviewer unit from the displayed list. Click Choose.

(Remember to select the RollCall Domain ID)

- 4. Use "admin" as Username and Password.
- 5. Click Login. The video wall layout is pulled from the multiviewer and read into Orbit.

### The Orbit Project Screen:



There are four large icons:

Manage Users, Themes, Walls, and Tiles.

6. Click the Walls icon and click on Wall1 in the drop-down list.

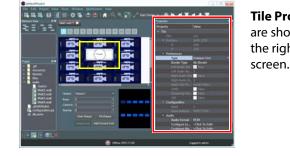


The Wall Editor screen is shown for Wall1.

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

### Make a visible change to the wall:

7. Click on a middle wall tile, to select it.



- 8. Change **Tile Type** to **Analogue Clock**. The selected tile changes to a round clock face.
- 9. Click File > Save File to save this change.

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

- 10. Click **Multiviewer > Input Alarms**. A dialog is shown with tabs. On the:
  - Input Tab Set Selected Input to Input 1.
  - Alarm Tab Scroll down Selected Alarm box. Select Video Input Lost. Tick Alarm Enable. • Input Tab - Click Copy All.
- 11. Click **OK**. Click **File > Save File** to save change.

Video Input Lost alarm is enabled on MV-840/850 multiviewer inputs.

### Push the modified project to the multiviewer:

- 12. Click **Project > Select Multiviewer**. Enter the IP address of the MV-840/850.
- 13. Click Project > Push. The modified project is pushed to the MV-840/850.

The MV-840/850 adopts the new wall layout and an analogue clock is shown on Output 1.

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

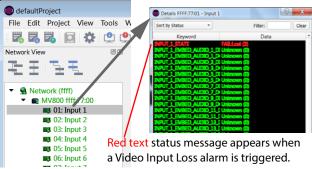
14. Disconnect Video Input 1 at router input (source).

Video loss is detected and a slow-flashing, red rectangular border appears around the corresponding video wall tile.



The alarm may also be seen in an **Orbit** window:

- 15. Expand the Network View Pane MV-840/850 item and **right-click** on the **Input 1** item.
  - A Details text window shows Input 1 status.



# MV-840/850

**Integrated Multiviewer** 

## **Quick Setup Guide**



Thank you for purchasing a new MV-840 or MV-850 Integrated Multiviewer. This Quick Setup Guide will help you get the multiviewer running as quickly as possible.

A MV-840/850 module combines a dual router output module and a multiviewer. Typically, fit MV-840s into Sirius 840 routers and MV-850s into Sirius 850 routers. (Note: MV-840 and MV-850 are, in fact, identical and can be interchanged.)

### Upon Receipt of your MV-840/850 Multiviewer:

The product is supplied in dedicated packaging provided by Grass Valley:

- Do not accept it if delivered in inferior or unauthorized materials.
- Unpack the MV-840/850 product carefully and check components against the packing list. If anything is incorrect, please notify your Grass Valley Partner or notify Grass Valley directly. (https://www.grassvalley.com/support/sam/).
- Check all components have not been damaged in transit, including the MV-840/850 front and rear modules. 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 because they could be useful for future transporting or shipping.

### **Safety Information:**

Caution: MV-840/850 Multiviewer products should only be serviced by qualified personnel.

**Caution:** Take anti-static precautions when handling MV-840/850 modules, or when inserting or removing the modules.

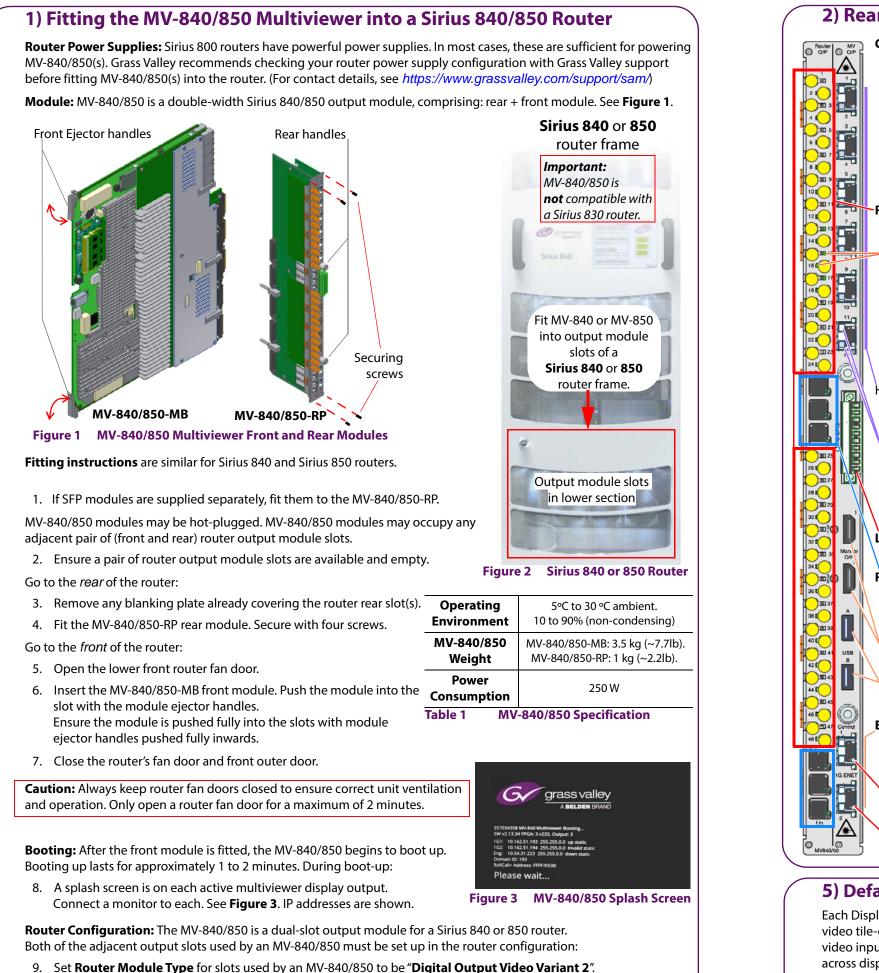
Warning: To reduce the risk of electric shock, do not expose this equipment to water or moisture.

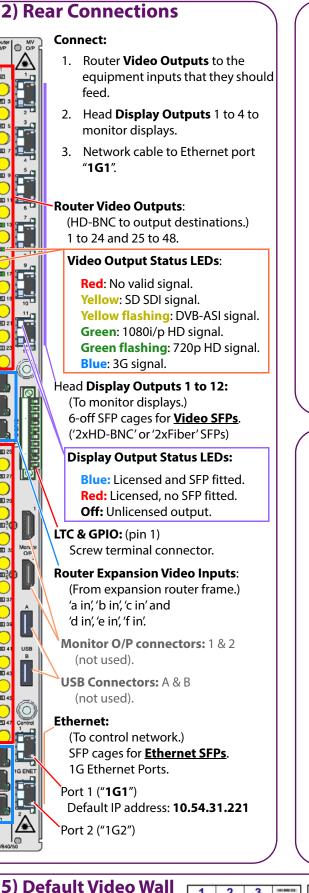
### **Tile Properties** are shown on the right of the





- Warning: The MV-840/850 can be equipped with optical outputs, which contain low-power laser beams. 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 an optical 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.





Each Display Output shows a video tile-grid, with video inputs 1 to 48 across display outputs 1 to 4;

4 5 6 7 8	16 19	1	7	18	28	2	9	30	40	1	4	42
7 8	10	1					29		40	41	42	
	19			20	31	1		32	43	1		44
9 10 11 12	21	22	23	24	33	34	35	36	45	46	47	48

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) Front Mod			's front edge are		
	1.50	Status			
	LED	ОК	Fault		
	АСТ	Flash	-		
	ERR	Off	On, error		
	WRN	Off	On, warning		
	ок	On	Flash, comms fault		
	LOCAL CMD OK	Flash, On or Off	-		
	LOCAL CMD ERR	Off	Flash, message error		
	REMOTE CMD OK	Flash, On or Off	-		
	REMOTE CMD ERR	Off	Flash, message error		

### 4) Configuration

- Start Grass Valley RollCall Control Panel (v4.17.1 or later) on a laptop PC. Click the Build Network icon.
- 2. Enter the MV-840/850 Ethernet port 1 ("1G1") default IP address, 10.54.31.221. RollCall connects to MV-840/850.
- 3. Navigate to the RollCall System-Setup screen.
- 4. Set up **Network Settings** relevant to your house network (IP address, Subnet mask, etc).
- 5. In **RollCall Settings**, set up **Unit** number (default = 01) and **Domain ID** (default = 100) for the MV-840/850.

Note: Unit number must be unique for each unit. Typically, 'Domain ID' is the same for each unit.

### To restart:

6. In RollCall **System-Setup** screen: Click System Reset; then click Confirm. The MV-840/850 boots up and a splash screen shows the unit's IP address and other details (see Figure 3).

After MV-840/850 has restarted, initial configuration is complete.

7. Disconnect MV-840/850 "1G1" port from laptop PC. And connect to the MV-840/850 to the house network.

plus 'HH:MM:SS' time and display output number shown on each multiviewer head display output.