6) Default Video Wall (Display Outputs 1 to 4)

A default video tile-grid is shown on head **Display Outputs 1** to **4**. All 48 video signals monitored by the multiviewer are shown. And 'HH:MM:SS' time and 'display output number' are also shown.

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:SS OUTPUT 4	HH:MM:SS
4	1 5		6	16	17		18	28	29		30	40	41		42	Output number
7			8	19			20	31			32	43			44-	Multiviewer
9	10	11	12	21	22	23	24	33	34	35	36	45	46	47	48	input number
Dis	Display Output 1 Display Output 2					Display Output 3			Display Output 4			it 4	l (1 to 48 total)			
igur	igure 5 Default Video Wall Layout						(Default monitoring: 1 to 24 router outputs; 25 to 48, router inputs					to 48, router inputs.)				

7) Edit Video Wall Layout and Configure Alarms

See the Grass Valley web site for Orbit and MV-830 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 **Orbit** on a PC. (Orbit v2.1 or later)
- 2. File > New Project. Click "Connected Multiviewer Project". Browse to a PC folder



Please Login:

Login Cancel

where wall layout data will be stored. Folder must be empty. Click Next.

- 3. Select a multiviewer unit from displayed list. Click Choose. (Remember to select RollCall Domain ID)
- 4. Username **admin**, Password admin.
- 5. Click Login. The video wall layout is pulled from unit and read into Orbit.

The Orbit Project Screen:



6. Click the Walls icon. Click Wall1 in drop-down list. The Wall





Page 3

- Make a visible change to the wall:
- 7. Click on a middle wall tile, to select it. Tile Properties are shown on the right.

- 8. Change Property **Tile Type** to **Analogue Clock**. The selected Orbit 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. Select Alarm Enable.
- Input Tab Click Copy All.
- 11. Click **OK**. Click **File > Save File** to save change.

Video Input Lost alarm is enabled on multiviewer inputs.

Push the modified project to the multiviewer:

12. Click **Project > Select Multiviewer**.

Enter the IP address of the MV-830.

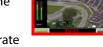
13. Click **Project > Push**.

The MV-830 adopts the new wall layout and an analogue clock is shown.

Provoking a 'Video Input Lost' alarm warning:

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

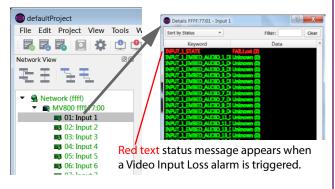
Video loss is detected. A slow-flashing, red rectangular border appears around the corresponding video wall tile.



The alarm may also be seen in a separate **Orbit** window:

15. Expand the Network View Pane MV-830 item and right-click on the Input 1 item.

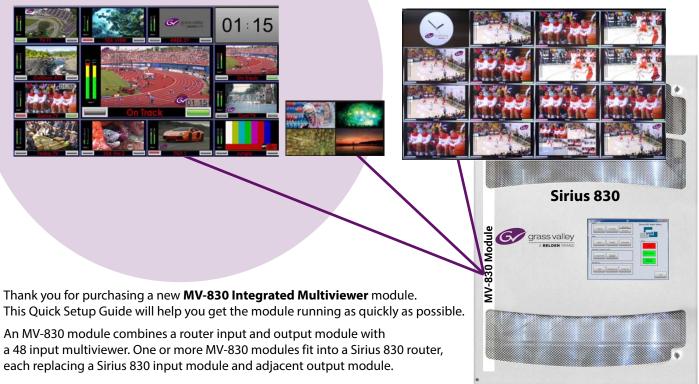
A **Details** text window shows **Input 1** status.



MV-830

Integrated Multiviewer

Quick Setup Guide



Upon Receipt of your MV-830 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-830 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 component items have not been damaged in transit, including the MV-830 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.

The MV-830 User Manual can be downloaded from https://www.grassvalley.com/products/mv-830/

Safety Information:

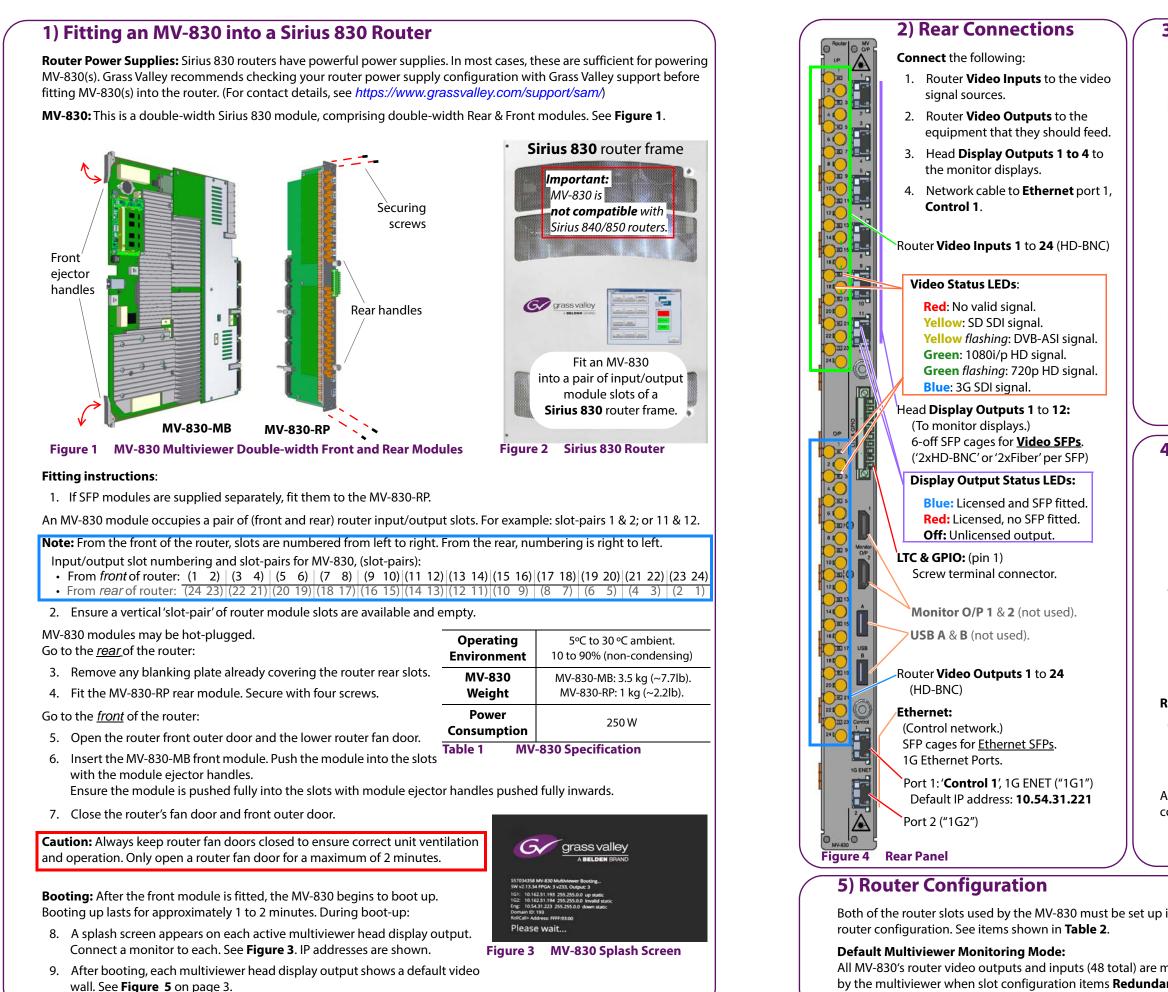
Caution: MV-830 Multiviewer products should only be serviced by gualified service personnel.

Caution: Take anti-static precautions when handling MV-830 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.



- **Warning:** The MV-830 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.



	LED	9	Status
		ОК	Fault
	АСТ	Flash	-
	ERR	Off	On, error
	WRN	Off	On, warning
(2)	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) Network 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-830 Ethernet port 1 default IP address, 10.54.31.221.
- RollCall connects to the MV-830.
- 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-830.

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

Restart:

- 6. In RollCall **System-Setup** screen: Click System Reset; then click Confirm. The MV-830 boots up and a splash screen shows the unit's IP address and other details (see Figure 3).
- After MV-830 has restarted, initial network configuration is complete.
- 7. Disconnect MV-830 Ethernet port 1 from laptop PC. And connect the port to the house network.

	Module Type - Input slot	MV830Input
Both of the router slots used by the MV-830 must be set up in the	Module Type - Output slot Input and Output Ports Logical Sources	MV830Output MV830 VideoSource
Default Multiviewer Monitoring Mode: All MV-830's router video outputs and inputs (48 total) are monitored	Logical Destinations Router Frame Number	VideoDest 14
by the multiviewer when slot configuration items Redundant Crosspoint Enable and Main Output Follow are all enabled (default).	EmbeddedTimecodeEnable Table 2 Configu	