Integration Note

Manufacturer:	Wyrestorm
Model Number(s):	**MX-0808-PP, MX-0606-PP, MX-0404-PP, MX-0804-PP, MX-1616-310, MX-0816-310, MX-0808-310**
Minimum Core Module Version:	6.4.200
Document Revision Date:	08/05/2013

OVERVIEW AND SUPPORTED FEATURES

This driver allows a **g!** system to communicate with a Wyrestorm video matrix via Ethernet or RS232.

WYRESTORM MATRICES SUPPORT THE FOLLOWING FEATURES:

Matrix Source Selection: The **g!** Viewer interface, zone slaving, or Event Maps can be used to select sources by zone from the **g!** system. Feedback is provided to keep the **g!** Viewer in sync with any changes made via IR or the unit front panel. Any input may be sent to any output.
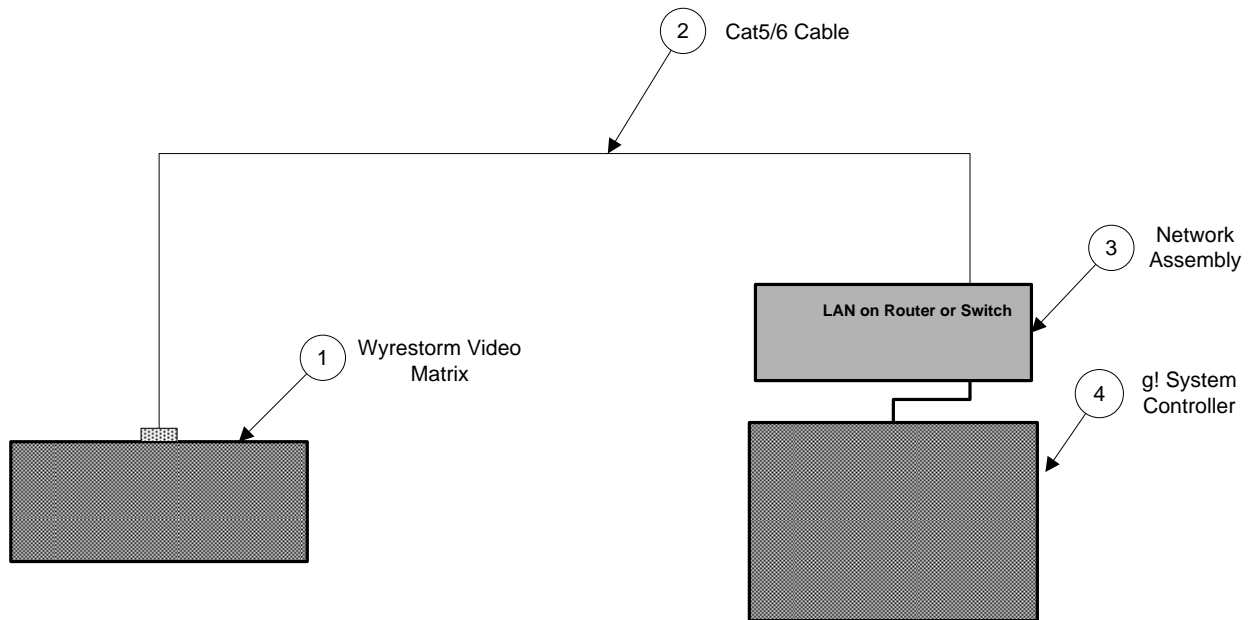
WYRESTORM MATRICES DO NOT SUPPORT THE FOLLOWING FEATURES:

Zone Off: Wyrestorm matrices do not allow zones to be switched off. When off is selected in **g!** the zone will be automatically switched to an unused input (where available).

Any feature not specifically noted as supported should be assumed to be unsupported.

CONNECTION DIAGRAM: ETHERNET CONTROL

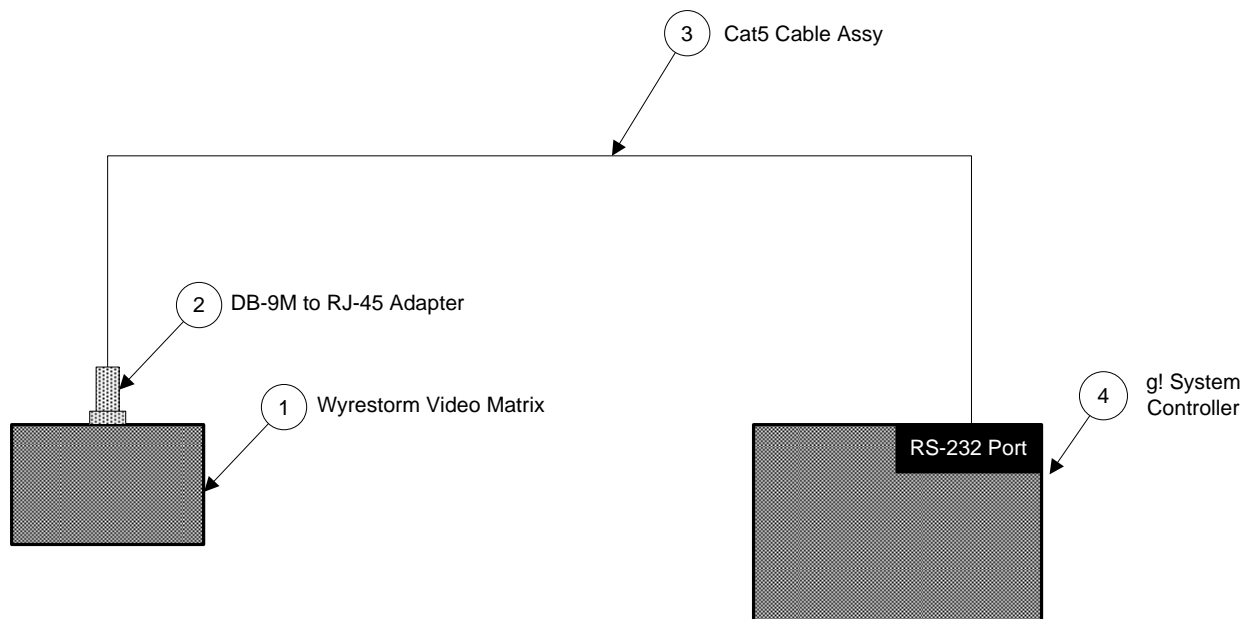Refer to the **Bill of Materials** and **Wiring Diagram** that follow.

BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	Video Matrix	Wyrestorm	Various (e.g. MX-0808-310)	Ethernet	RJ-45 Female	
2	Cat5 Cable Assy.	N/A	N/A	Ethernet	RJ-45 Male X RJ-45 Male	
3	Network Assembly	Elan	NWA 18	Ethernet	RJ-45 Female	
4	g! Controller	ELAN	Various (e.g. HC 12)	Ethernet	RJ-45 Female	

CONNECTION DIAGRAM: RS-232 CONTROL

Refer to the **Bill of Materials** and **Wiring Diagram** that follow

③ Cat5 Cable Assy

② DB-9M to RJ-45 Adapter

① Wyrestorm Video Matrix

④ g! System Controller

RS-232 Port

BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	Video Matrix	Wyrestorm	Various (e.g. MX-0808-310)	RS-232	DB-9 Female	
2	DB-9M to RJ-45 Adapter	ELAN	HA-CB-307	RS-232	DB-9 Male X RJ-45 Female	
3	Cat5 Cable Assy.	N/A	N/A	RS-232	RJ-45 Male X RJ-45 Male	
4	g! Controller	ELAN	Various (e.g. HC12)	RS-232	RJ-45 Female	

WYRESTORM SETUP

The Wyrestorm matrix should be installed with cat5/6 cabling back to the **g!** controller, or network switch for communications.

ETHERNET CONFIGURATION

It is necessary to configure a static IP address on your Wyrestorm matrix to allow for reliable communication with the **g!** controller. This address must be n the same range as the **g!** controller.

1. Establish a serial connection between your PC and the Wyrestorm matrix.
2. Run the Wyrestorm **COM CTL** software for your matrix model on your PC (this should be on a disk included with the unit, or can alternatively be downloaded from the Wyrestorm website).
3. Choose **Net Set** or **Set IP**, depending on the version of COM CTL.
4. Select **Set Static IP address** and enter the IP address into the **IP Address** field.
5. Click **OK**.

NOTE: You may need to restart the matrix for this change to take effect.

g! CONFIGURATION DETAILS

The following table provides settings used in the **g!** Configurator. Please refer to the Configurator Reference Guide for more details.

- o   "<Select from list>"   Select the appropriate item from the list (or drop-down) in the Configurator.

- o   "<User Defined>", etc.   Type in the desired name for the item.

- o   "<Auto Detect>", etc.   The system will auto detect this variable.

Refer to the **g! System Programming Details** below for additional information.

Devices	Variable Name	Settings (Ethernet)	Settings (Serial)
Communication Devices	Name	<User Defined> (Default: **New Device**)	<User Defined> (Default: **New Device**)
	System #	<Auto Detect>	<Auto Detect>
	Device Type	**Ethernet / Standard Connection**	**Serial Port / Standard Connection**
	Enable Sharing	<Select from list>	<Select from list>
	Sharing Port	<Auto Detect>	<Auto Detect>
	IP Address	<User Defined> (Enter address of Wyrestorm matrix)	"Not Applicable"
	Port	<Auto Detect>	"Not Applicable"
	COM Port	"Not Applicable"	<Select from list>
	Protocol	"Not Applicable"	<Auto Detect>
	Baud Rate	"Not Applicable"	<Auto Detect>
	Flow Control	"Not Applicable"	<Auto Detect>
	Parity	"Not Applicable"	<Auto Detect>
	Data Bits	"Not Applicable"	<Auto Detect>
	Stop Bits	"Not Applicable"	<Auto Detect>
Zone Controllers	Name	<User Defined> (Default: <Auto Detect>)	<User Defined> (Default: <Auto Detect>)
	System #	<Auto Detect>	<Auto Detect>
	Device Type	**Wyrestorm <Matrix Model No.>**	**Wyrestorm <Matrix Model No.>**
	Communication Device	<Select from list> (Choose Ethernet Communcation Device)	<Select from list> (Choose Serial Communcation Device)
Sources	System #	<Auto Detect>	<Auto Detect>
	Source Device	<Select from list>	<Select from list>
	Display Icon	<Select from list>	<Select from list>
	Source Volume	<Auto Detect>	<Auto Detect>
	Display Name	<User Defined>	<User Defined>
Zones	Name	<User Defined> (Default: <Auto Detect>)	<User Defined> (Default: <Auto Detect>)
	System #	<Auto Detect>	<Auto Detect>
	Universal Receiver	<Select from list>	<Select from list>
	Display 1	<Select from list>	<Select from list>
	Display 2	<Select from list>	<Select from list>
	Slave Zone 1	<Select from list>	<Select from list>
	Slave Zone 2	<Select from list>	<Select from list>
	Turn On Source	<Select from list>	<Select from list>

COMMON MISTAKES

1. No communication with the matrix:
   - Check the IP address of the communication device matches the IP address of the matrix.
   - If using RS232, check the wiring of the communications link.