

Manufacturer:	Video Storm LLC
Model Number(s):	CMX44, CMX84, CMX86, CMX88
Comments:	CMX Firmware 2.2 or better recommended. HomeLogic Core Module 4.0 Build 1613 or newer
Document Revision Date:	2/10/10

OVERVIEW AND SUPPORTED FEATURES

The Video Storm CMX series are a line of audio & video switchers that support external control and feedback via RS-232 in HomeLogic. The CMX series supports switching of component video and a mix of analog, coaxial digital and optical digital audio, and supports basic volume control.

THE FOLLOWING FEATURES ARE SUPPORTED:

Traditional Matrix Switcher: The Video Storm switches are multizone - multisource audio / video switchers that can be controlled by the **OneHome** software using an RS-232 port. The **OneHome** Viewer interface can be used to select sources in each zone.

Basic Mode Switching: The Video Storm driver will switch audio and video to a zone together. In other words, if zone 1 is playing **Audio Source 2**, then **Video Source 2** will also be routed to zone 1.

Volume Control: Volume control and mute functions are supported in HomeLogic.

Multiple Chassis: Multiple Video Storm units may be daisy-chained together on a single com port.

THE FOLLOWING FEATURES ARE NOT SUPPORTED:

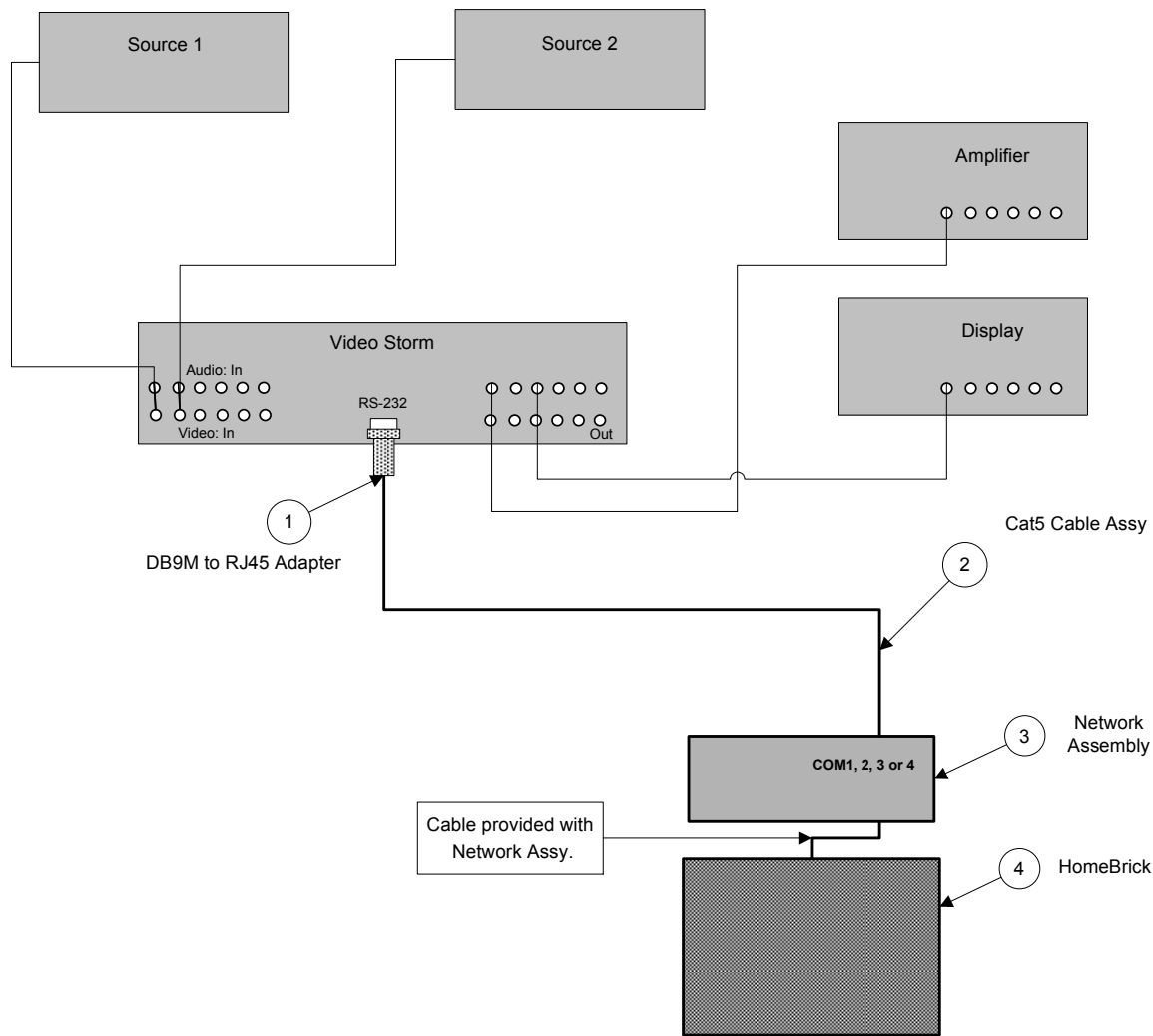
Advanced Mode -- Independent Audio / Video Switching: The Video Storm switches generally allow you to send **Audio Source 1** to zone 2, and **Video Source 1** to zone 3. This is not supported in the **OneHome** system: **Audio Source 1** and **Video Source 1** will switch together.

Balance, Flash Presets: Balance and Flash Preset functions cannot be accessed or adjusted at this time.

INSTALLATION OVERVIEW

1. During the rough-in phase, install wires for the sources and amplifiers for each zone.
2. Also during the rough-in phase, run a Cat5 wire from the location of the switch back to the Network Assembly of the **OneHome** system for RS-232 communications. Refer to the **RS-232 Connection Options** Integration Note for other options.
3. Install the switch, the sources and the amplifier and speakers.
4. Setup the switch to operate as desired using the Video Storm standard procedures.
5. Confirm proper audio and video switching as configured in step above.
6. Connect the **OneHome** system to the switch electrically. See the wiring diagrams for more information.
7. Configure the **OneHome** system for the switch and confirm communication between the switch and the **HomeBrick**.
8. Test the system by changing sources in a zone to confirm the correct source plays and volume is controlled. Test source control for any sources that are to be controlled from the **OneHome** interface.

CONNECTION DIAGRAMS



BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	DB9M to RJ45 Adapter	HomeLogic	HA-CB-307	RS-232	DB-9 Male X RJ-45 Female	
2	Cat5 Cable Assy.	Installer	N/A	RS-232	RJ-45 Male X RJ-45 Male	Must connect all 8 wires
3	Network Assembly	HomeLogic	HW-NA-18X4	RS-232	RJ-45 Female X DB-9 Female / USB	
4	HomeBrick	HomeLogic	HW-HB-1080	RS-232	DB9 Male / USB	

Note: Stacked chassis systems must have the ID set on each unit. See Video Storm for full details.

HOMELOGIC CONFIGURATION DETAILS

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

- “<Select>” Select the appropriate item from the list (or drop-down) in the Configurator.
- “<User Defined>”, etc. Type in the desired name for the item.

Devices	Variable Name	Setting	Comments
Communication Devices	Name	<User Defined> (Default: New Device)	HomeLogic recommends to rename this Video Storm (etc) for clarity
	Type	Serial Port	
	Communication Type	Video Storm	
	Location	<User Defined> (Not Required)	
	Com Port	<Select>	Com 1, 2, 3, etc.
<Other RS-232 Sources>	Add any other RS-232 controlled sources. Refer to the Integration Note for each specific source device.		
<Other IR Controlled Sources>	Add IR devices on the Input/Output tab for other IR controlled sources. Refer to the Configurator Reference Guide .		
Other Audio Devices / Interfaces	Name	<User Defined>	Add Interfaces for any source that does not have a built-in interface
	Template	<Select>	
	Default Device	<Select>	Select the RS-232 or IR controlled source for this interface
Audio Zone Controllers	Name	<User Defined> (Default: Video Storm CMX##)	## = Correct Model Number
	Device Type	Video Storm CMX##	## = Correct Model Number
	Location	<User Defined> (Not Required)	
	Comm Device	<Select> (Default: New Device)	
	Controller No	<Select> (Default: 0)	ID number of unit for daisy-chaining multiple chassis. Starts a 0.
	Settings	<Select> (Default: Query Cycle 10-Seconds)	Set this to highest usable value, and must be set higher for multi-chassis systems.
Sources	Name	<User Defined>	
	Source Device	<Select>	Sources must be previously configured in order to allow selection.
	Source Volume	<Select> (See Note 1)	
	Show Source	<Select>	Set to No for any inputs that are not used
	Source Icon	<Select>	This icon appears on the source button in the Viewer Interface
	Display Name	<User Defined>	This text appears on the source button in the Viewer Interface
Zones	Name	<User Defined>	
	Display	<N/A>	
	Universal Receiver	<Select>	
	Configuration Interface	<Select>	
	<Sources List>	<N/A>	
Tab Layout	Interface Tabs	<Select>	Move any unused zones to the right into Available Zones to remove from the viewer
Notes:			
1. For systems with devices that have controllable volume (such as an HLPPlayer), select the desired volume (normally 100%).			

COMMON MISTAKES