OneHome™ **Management and Control Solutions**	Audio Integration Note
Manufacturer:	Elan Home Systems
Model Number(s):	**V883**
Comments:	OneHome Version 4.0.1288 and newer
Document Revision Date:	4/10/2008

OVERVIEW AND SUPPORTED FEATURES

The Elan V883 is an 8 X 8 Component Video Controller which switches eight component/composite sources to any of eight component/composite outputs and can connect to the **One**Home software with a RS-232 serial connection to allow reliable 2-way communication. Up to four V883s can be stacked for a total of 32 zone outputs from eight source inputs.

THE FOLLOWING FEATURES ARE SUPPORTED:

Serial Pass Through: The **V883** can be connected to the RS-232 output on an **Elan S12** or **S8.6**, thus allowing the devices to share a single COM Port on the HomeBrick.

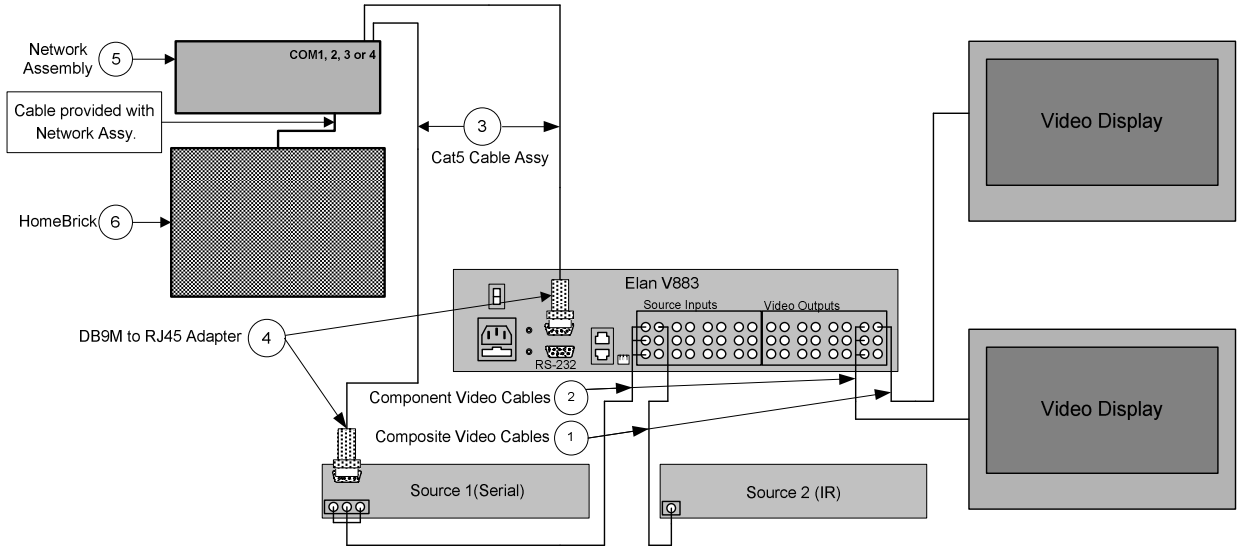
Multiple Chassis Configuration: Up to four V883s can be linked together to provide 32 zone outputs from eight source inputs.

INSTALLATION OVERVIEW

1. During the rough-in phase, install wires for the sources, amplifiers and displays 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 **One**Home system for RS-232 communications. Refer to the **RS-232 Connection Options** Integration Note for other options.
3. Install the switch, the sources, amplifier, displays and speakers.
4. Configure the V883 using ViaTools for proper zone switching.
5. Confirm proper audio and video switching as a stand alone system.
6. Connect the **One**Home 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 **Home**Brick. See **HomeLogic Configuration Details**.
8. Test the system by changing sources in a zone to confirm the correct source plays. Test source control for any sources that are to be controlled from the **One**Home interface.

CONNECTION DIAGRAMS

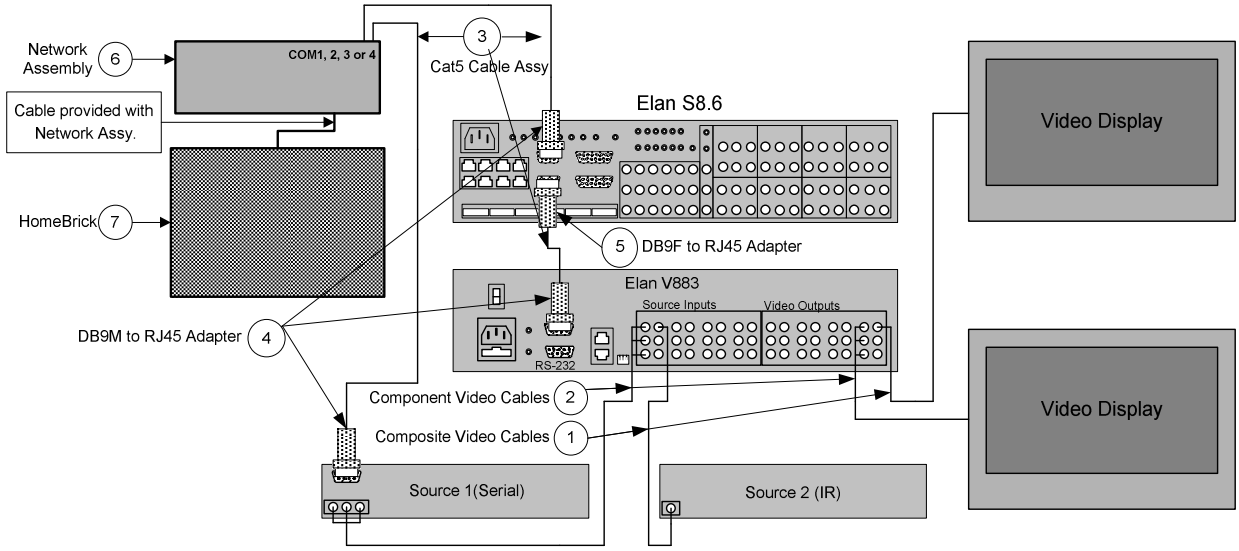
Option 1: Stand Alone



BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	Composite Video Cable	N/A		Analog	RCA X RCA	
2	Component Video Cable	N/A		Analog	RCA X RCA	
3	Cat5 Cable Assy.	Installer	N/A	RS-485	RJ-45 Male X RJ-45 Male	
4	DB9M to RJ45 Adapter	HomeLogic	HA-CB-307	RS-232	DB-9 Male X RJ-45 Female	
5	Network Assembly	HomeLogic	HW-NA-18X4	RS-232	RJ-45 Female X DB-9 Female / USB	
6	HomeBrick	HomeLogic	HW-HB-1080	RS-232	DB9 Male / USB / RJ-45	

Option 2: S8.6/S12 Slave



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4	DB9M to RJ45 Adapter	HomeLogic	HA-CB-307	RS-232	DB-9 Male X RJ-45 Female	
5	DB9F to RJ-45 Adapter	HomeLogic	HA-CB-308	RS-232	DB-9 Female X RJ-45 Female	
5	Network Assembly	HomeLogic	HW-NA-18X4	RS-232	RJ-45 Female X DB-9 Female / USB	
6	HomeBrick	HomeLogic	HW-HB-1080	RS-232	DB9 Male / USB / RJ-45	

HOMELOGIC CONFIGURATION DETAILS

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

In the table below:

- "<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: **Elan System**)(See note #1)	
	Type	**Serial Port**	
	Communication Type	**Elan System**	
	Location	<User Defined> (Not Required)	
	Com Port	<Select>	
<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: **Elan V883**)	
	Device Type	**Elan V883 (8 Zones)**(See Note #2)	
	Location	<User Defined> (Not Required)	
	Comm Device	<Select> (Default: **Elan System**)	
Sources	**Name**	<User Defined>	
	Source Device	<Select>	Sources must be previously configured in order to allow selection.
	Source Volume	<Select>	
	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	<Select>	
	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. If multiple Elan Zone Controllers are used, only one communications device is required.
2. Select the appropriate number of zones from the list based on the number of V883 chassis in the configuration.

COMMON MISTAKES