Integration Note

Manufacturer:	ELAN Home Systems
Model Number(s):	**V883, V85**
Core Module Version:	4.0.1288 and newer (V883) 4.0 1587 and newer (V85)
Document Revision Date:	1/15/2013

OVERVIEW AND SUPPORTED FEATURES

The ELAN V883 and V85 are 8 X 8 Component Video Controller which switches eight component/composite sources to any of eight component/composite outputs and can connect to the **g!** software with a RS-232 serial connection to allow reliable 2-way communication. Up to four V883s or V85s can be stacked for a total of 32 zone outputs from eight source inputs.

THE FOLLOWING FEATURES ARE SUPPORTED:

Serial Pass Through: V883/V85 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 g! system controller.

Multiple Chassis Configuration: Up to four V883/V85s can be linked together to provide 32 zone outputs from eight source inputs.
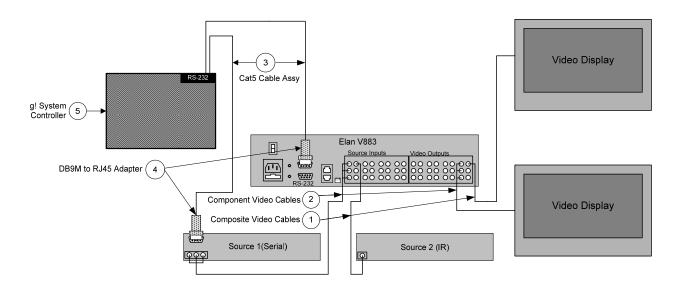
THE FOLLOWING FEATURES ARE NOT SUPPORTED:

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

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 **g!** 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. If using Core Module **version 4.0**, use VIA!Tools to configure the V883/V85 for proper zone switching.

5. Confirm proper audio and video switching as a stand alone system.

6. Connect the **g!** system to the switch electrically. See the wiring diagrams for more information.

7. Configure the **g!** system for the switch and confirm communication between the switch and the **g!** system controller. See **g! 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 **g!** interface.
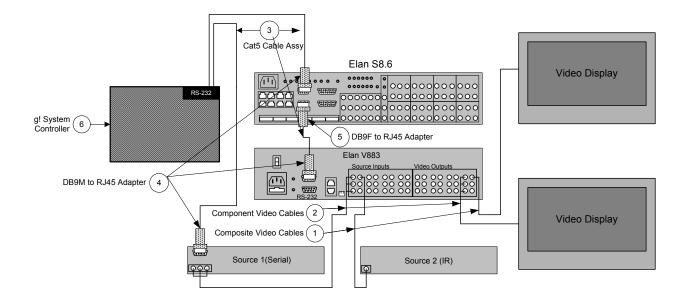
CONNECTION DIAGRAMS

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	ELAN	HA-CB-307	RS-232	DB-9 Male X RJ-45 Female	
5	g! System Controller	ELAN	Various (e.g. HC12)	RS-232	DB9 Male / USB / RJ-45	

OPTION 2: S8.6/S12 SLAVE

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	ELAN	HA-CB-307	RS-232	DB-9 Male X RJ-45 Female	
5	DB9F to RJ-45 Adapter	ELAN	HA-CB-308	RS-232	DB-9 Female X RJ-45 Female	
6	g! System Controller	ELAN	Various (e.g. HC12)	RS-232	DB9 Male / USB / RJ-45	

g! CONFIGURATION DETAILS

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

In the table below:

- o   "<Select>"   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.

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 / Interface	**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 or Elan V85)**	
	Device Type	Elan V883 (# Zones) or Elan V85 (# 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/V85 chassis in the configuration.			

Common Mistakes

1. Setting up multiple communication devices when using serial pass-thru from another piece of ELAN gear (such as S12, S8.6). If using serial pass thru only one Communication Device is required.