Integration Note

Manufacturer:	Xantech Corporation
Model Number(s):	**HD88C, HD88CC5**
Core Module Version:	5.7 (g!)
Document Revision Date:	1/25/2013

OVERVIEW AND SUPPORTED FEATURES

The Xantech HD88C and HD88CC5 are 8 X 8 Component Video Controllers which switch eight component sources to any of eight component outputs and can be controlled by the **g!** software with an RS-232 serial connection to allow reliable 2-way communication. Up to four HD88Cs or HD88CC5s can be stacked for a total of 32 zone outputs from eight source inputs.

THE FOLLOWING FEATURES ARE SUPPORTED:

Multiple Chassis Configuration: Up to four HD88C/HD88CC5s can be linked together to provide 32 zone outputs from eight source inputs. Refer to the HD88C/HD88CC5 installation manual for inter-chassis connections.

THE FOLLOWING FEATURES ARE **NOT** SUPPORTED:

Control from HomeBrick/MultiBrick: The HD88C and HD88CC5 cannot be controlled from HomeBrick/MultiBrick controllers.

Audio Control: The HD88C and HD88CC5 can route digital audio using their SPDIF connections, however, volume, DSP setting, etc., functions are not present in the HD88C/HD88CC5 chassis and therefore can't be controlled by the **g!** system.

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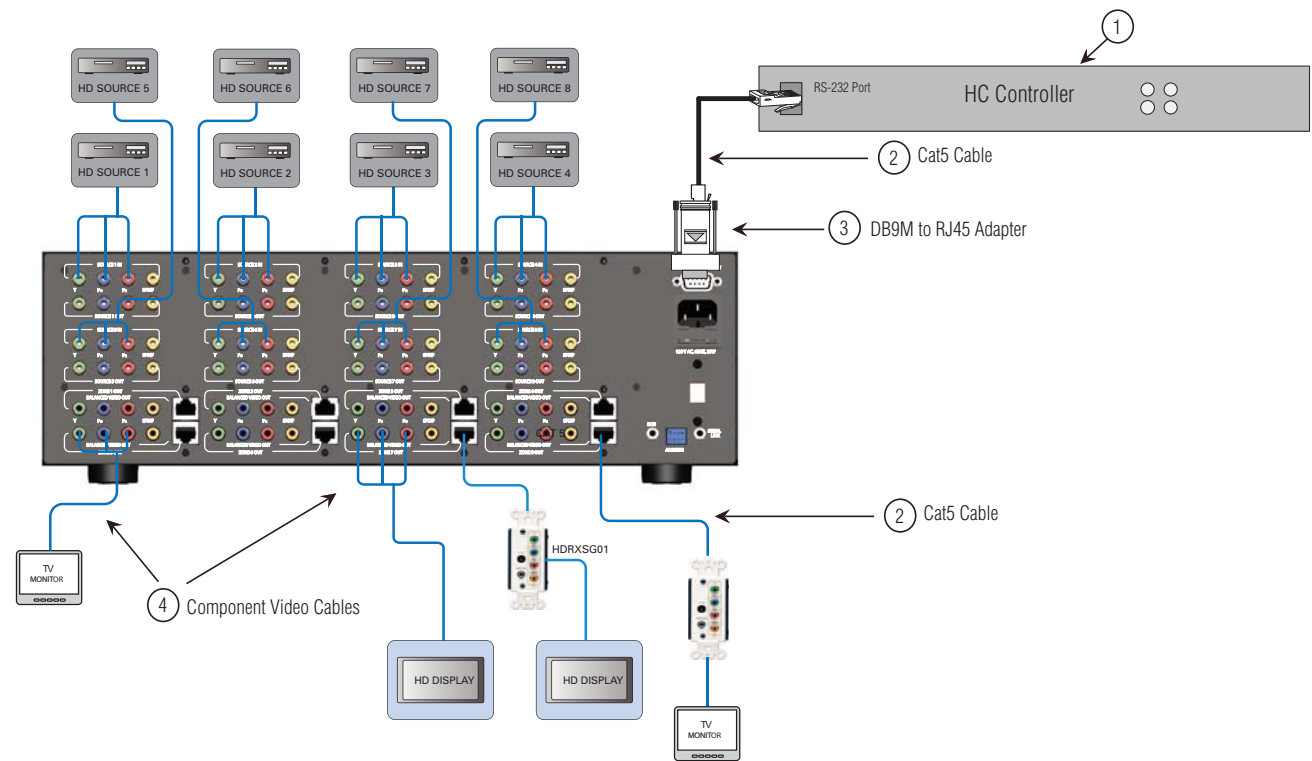
INSTALLATION OVERVIEW

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 HCxx controller for RS-232 communications. Refer to the *HCxx Installation Manual* for the RS-232 wiring code.

3. Install the switch, the sources, amplifier, displays and speakers.

4. Confirm proper video switching as a stand alone system.

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

6. Configure the **g!** system for the switch and confirm communication between the switch and the Controller.

7. 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 Diagram

Bill Of Materials

#	Device	Manufacturer	Part #	Protocol	Connector Type	Notes
1	HCxx Controller	ELAN	HCxx	RS-232	RJ-45 Female	
2	Cat5 Cable	Installer	N/A	568A or 568B	RJ-45 Male	
3	DB9M RJ-45 Adapter	ELAN	HA-CB-307	RS-232	DB9 Male x RJ-45 Female	
4	Component Video Cable	N/A	N/A	Analog	RCA x RCA	

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 Device	Name	<User Defined> (Default: Xantech HD88CC5 (1-4 Units)	
	Type	Serial Port	
	Communication Type	Standard Connection	
	Location	<User Defined> (Not Required)	
	Comm 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 Devices / Interfaces	Name	<User Defined>	Add Interfaces for any source that does not have a builtin interface.
	Template	<Select>	
	Default Device	<Select>	Select the RS-232 or IR Controlled source for this interface.
Audio Zone Controllers	Name	<User Defined> (Default: Xantech HD88CC5 (1-4 Units)	Use **Number of Units** drop down to change the number of chassis in the system.
	Device Type	Xantech HD88CC5 (1-4 Units)	
	Location	<User Defined> (Not Required)	
	Comm Device	<Select>	
Sources	Name	<User Defined>	
	Source Device	<Select>	Sources must be previously configured to allow selection.
	Source Volume	<Select>	N/A
	Show Source	<Select>	Set to NO for any inputs that are not used.
	Source Icon	<Select>	This icon zppears on the source button for the viewer interface.
	Display Name	<User Defined>	This text zppears on the source button for the viewer interface.
Zones	Name	<User Defined>	
	Universal Receiver	<Select>	
	Display	<Select>	
	Configuration Interface	<Select>	
	<Sources List>	<N/A>	
Tab Layout	Interface Tabs	<Select>	Move any unused zones to the left into Available Zones to remove from the viewer.

COMMON MISTAKES

1. Failure to connect Source video loops between HD88C/HD88CC5 chassis.
2. Failure to set the Chassis ID dip switches correctly on the HD88C/HD88CC5 chassis.