Integration Note

Manufacturer:	SIRIUS
Model Number(s):	**SCH1P1, SCH2P**
Core Module Versions:	4.0 build 1510 or later
Comments:	
Document Revision Date:	1/29/2013

OVERVIEW AND SUPPORTED FEATURES

The SCH1P1 and SCH2P are SIRIUS tuners. The tuners includes an RS-232 connection which is used to connect to the **g!** system and provide communications, enabling reliable two-way control.

THE TUNER SUPPORTS THE FOLLOWING FEATURES:

Basic Tuning Control: Arbitrary station selection.

Built-In g! Interface: The built-in **g!** SIRIUS tuner interface is automatically enabled.

Important! The three-Position switch on the back of the SCH2P must be in position "1" to enable RS-232 control.

THE TUNER DOES NOT SUPPORT THE FOLLOWING FEATURES:

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

INSTALLATION OVERVIEW

1. During the rough-in phase install the necessary power and A/V cabling for the tuner.

2. Also during the rough-in phase, run a Cat5 wire from the location of the tuner back to the Network Assembly of the **g!** system to provide the serial connection needed to control the tuner. Refer to the **RS-232 Connection Options** Integration Note for other serial connection options.

3. Install the tuner and other home audio or theater components.

4. Test the tuner with the audio / video equipment to ensure that the stations tune and play correctly.

5. Connect the **g!** system to the tuner electrically. See the connection diagram for more information.

6. Configure the **g!** system for the tuner and confirm communication between the tuner and the **g!** system controller.

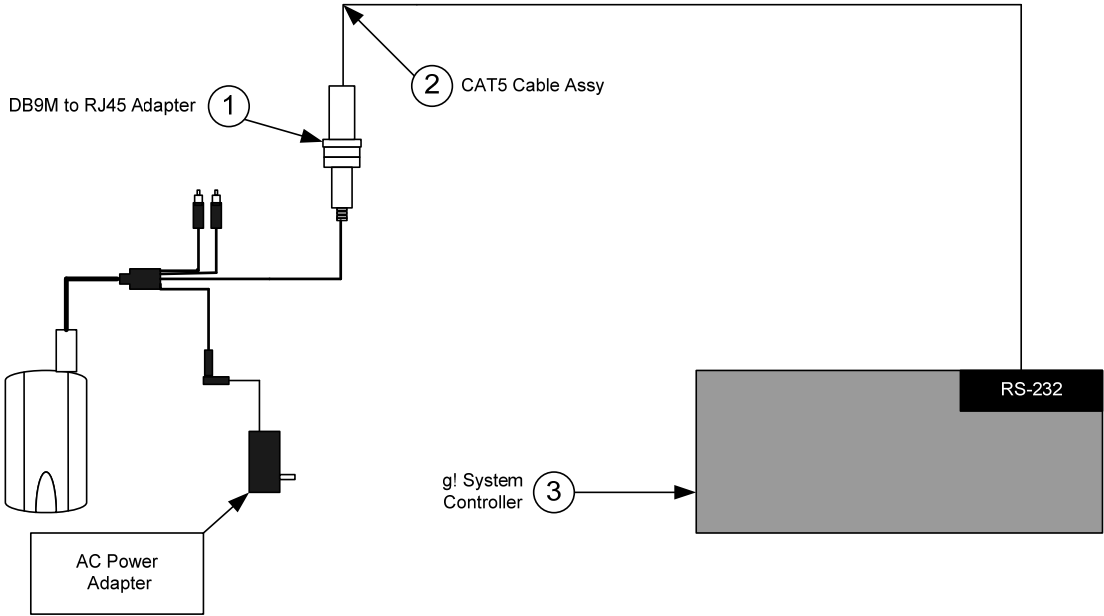7. Test the system by changing stations from the Viewer interface.

CONNECTION DIAGRAMS

SCH1P1

DB9M to RJ45 Adapter ①

② CAT5 Cable Assy

RS-232

g! System
Controller ③

AC Power
Adapter

SCH2P

DB9M to RJ45 Adapter ①

② CAT5 Cable Assy

Tuner

RS-232

g! System
Controller ③
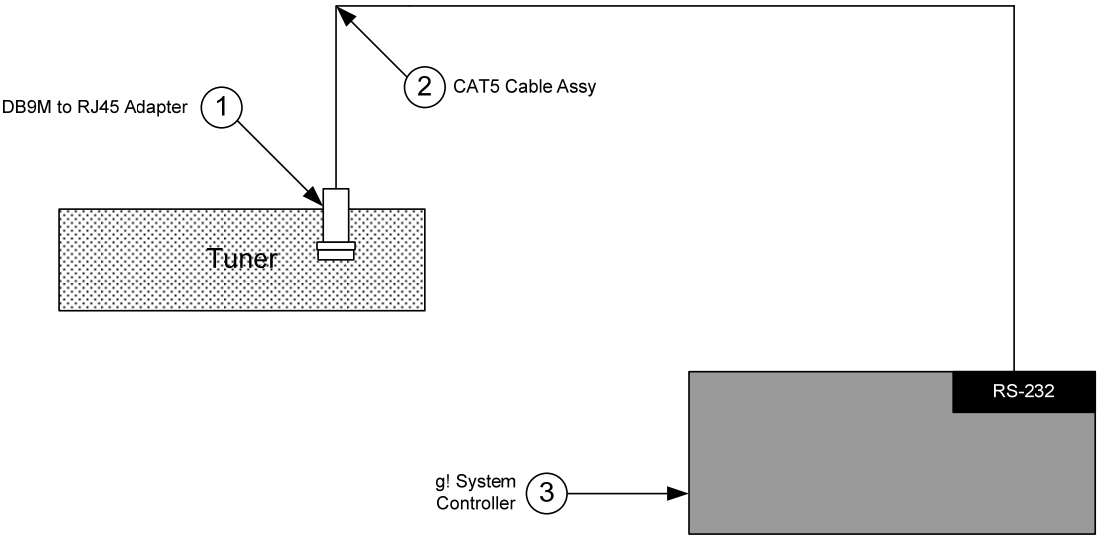
BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	DB9M to RJ45 Adapter	ELAN	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 terminate all 8 conductors
3	g! System Controller	ELAN	Various (e.g. HC12)	RS-232	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.

- 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: **Tuner**)	
	Type	**Serial Port**	
	Communication Type	**Standard Connection**	
	Location	<User Defined> (Not Required)	
	COM Port	<Select>	
Audio Tuners	**Name**	<User Defined> (Default: **Sirius SCH2P Tuner**)	
	Device Type	**Sirius SCH2P Tuner**	
	Location	<User Defined> (Not Required)	
	COM Device	<Select> (Default: **Sirius SCH2P Tuner**)	
	Tuner ID	<Select> (Default: 0)	See Note #1

Notes:
1. Tuner ID must match the Module ID of the tuner. Factory default is "0", there should be no need to change.

COMMON MISTAKES

1. Not setting the switch on the back side of the Tuner to Position "1" will prevent the **g!** System from communicating with the Tuner.

2. If the tuner is not receiving a signal from Sirius, it will not come out of "Standby" mode and thus will not be controllable in the **g!** interface. Ensure that the "sat" or "ter" LEDs are lit before attempting to connect the unit to your system

3. The AC power adapter for the SCH1P1 **MUST** be connected to the power connection on the DIN plug. Connecting it directly to the unit will not work.