



## Integration Note

Manufacturer:	ELAN
Model Number(s):	DTNR
Core Module Version:	
Document Revision Date:	1/28/2013

### OVERVIEW AND SUPPORTED FEATURES

The DTNR is a dual AM/FM tuner capable of playing two separate stations at the same time.

The tuner includes an RS-232 connection which is used to connect to the system and provide communications, enabling reliable two-way control.

**Important!** The DTNR-230 International tuner is not compatible for RS-232 control.

#### THE TUNER SUPPORTS THE FOLLOWING FEATURES:

**Basic Tuning Control:** Arbitrary station selection, seek up/down, AM or FM.

**Built-In Interface:** The built-in AM/FM tuner interface is automatically enabled.

#### THE TUNER DOES NOT SUPPORT THE FOLLOWING FEATURES:

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

### INSTALLATION OVERVIEW

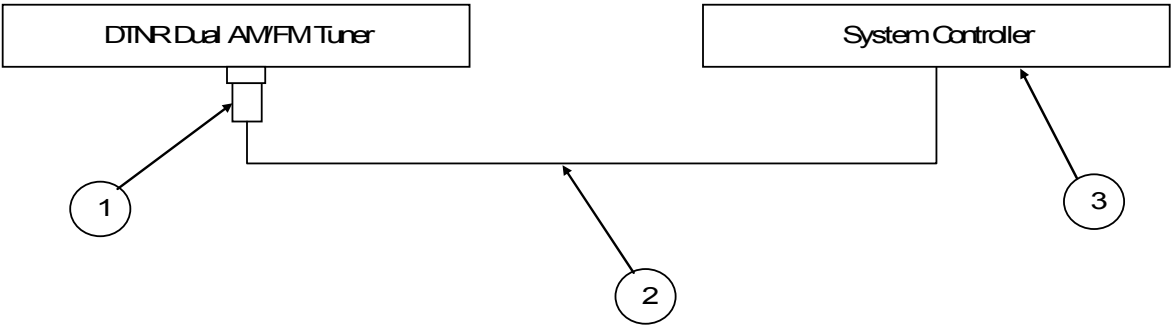
1. During the rough-in phase install the necessary power and A/V cabling for the tuner.
2. Also during the rough-in phase, run a Cat5 wire from the location of the tuner back to the Network Assembly of the system to provide the serial connection needed to control the tuner. Refer to the **RS-232 Connection 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 system to the tuner electrically. See the connection diagram for more information.
6. Configure the system for the tuner and confirm communication between the tuner and the controller.
7. Test the system by changing stations from the Viewer interface.

**ELAN Home Systems** • 1690 Corporate Circle • Petaluma, CA 94954 USA

tech support: 800.622.3526 • main: 760.710.0990 • sales: 877.289.3526 • email: [elan@elanhomesystems.com](mailto:elan@elanhomesystems.com)

©2013 ELAN Home Systems. All rights reserved. ELAN and gl are trademarks of ELAN Home Systems. All other trademarks are the property of their respective owners.

CONNECTION DIAGRAMS



BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	DB9M to RJ45 Adapter	ELAN	HACB307	RS-232	DB-9 Male X RJ-45 Female	
2	Cat5 Cable Assy.	Installer	N/A	RS-232	RJ-45 Male X Wire	
3	Controller	ELAN	various	RS-232	RJ-45 Female	

## g! CONFIGURATION DETAILS

The following table provides settings used in the **g!** Configurator. Please refer to the *g! Configurator Training 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: Elan DTNR AM/FM Tuner)	
	Type	Serial Port	
	Communication Type	ELAN DTNR AM/FM Tuner	
	Location	<User Defined> (Not Required)	
	COM Port	<Select>	
Audio Tuners	Name	<User Defined> (Default: Elan DTNR AM/FM Tuner)	Add Tuner 1
	Device Type	Elan DTNR AM/FM Tuner	
	Location	<User Defined> (Not Required)	
	COM Device	<Select> (Default: Elan DTNR AM/FM Tuner)	
	Tuner ID	1	Tuner ID is set to 1 for Tuner 1
Audio Tuners	Name	<User Defined> (Default: Elan DTNR AM/FM Tuner)	Add Tuner 2
	Device Type	Elan DTNR AM/FM Tuner	
	Location	<User Defined> (Not Required)	
	COM Device	<Select> (Default: Elan DTNR AM/FM Tuner)	
	Tuner ID	2	Tuner ID is set to 2 for Tuner 2
<Audio Zone Controllers>	Add an Audio Zone Controller: refer to the Integration Note for your particular receiver or zone controller. (See Note 1)		

### Notes:

1. You must add an Audio Zone Controller to get a tab in the Viewer interface.  
 For compatible receivers and zone controllers, refer to the Integration Note for the particular system.  
 For a single zone where the DVD player is connected to a basic amp, refer to the **Single Zone Audio** Integration Note.

## **COMMON MISTAKES**

1. The ELAN DTNR-230 International tuner is not supported for RS-232 control.