

Manufacturer:	Nuvo
Model Number(s):	NV-T2SIR Dual Tuner
Comments:	NuVo Firmware Version 1.05, OneHome Core Module 4_0_1505 or greater
Document Revision Date:	01/22/2009

## **OVERVIEW AND SUPPORTED FEATURES**

The Nuvo NV-T2SIR dual tuner includes two AM/FM tuners in the same unit with DIN connectors for connecting two optional SIRIUS Satellite Radio modules. The NV-T2SIR includes an RS-232 connection that is used to communicate with the **OneHome** system enabling reliable two-way control.

### **THE TUNER SUPPORTS THE FOLLOWING FEATURES:**

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

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

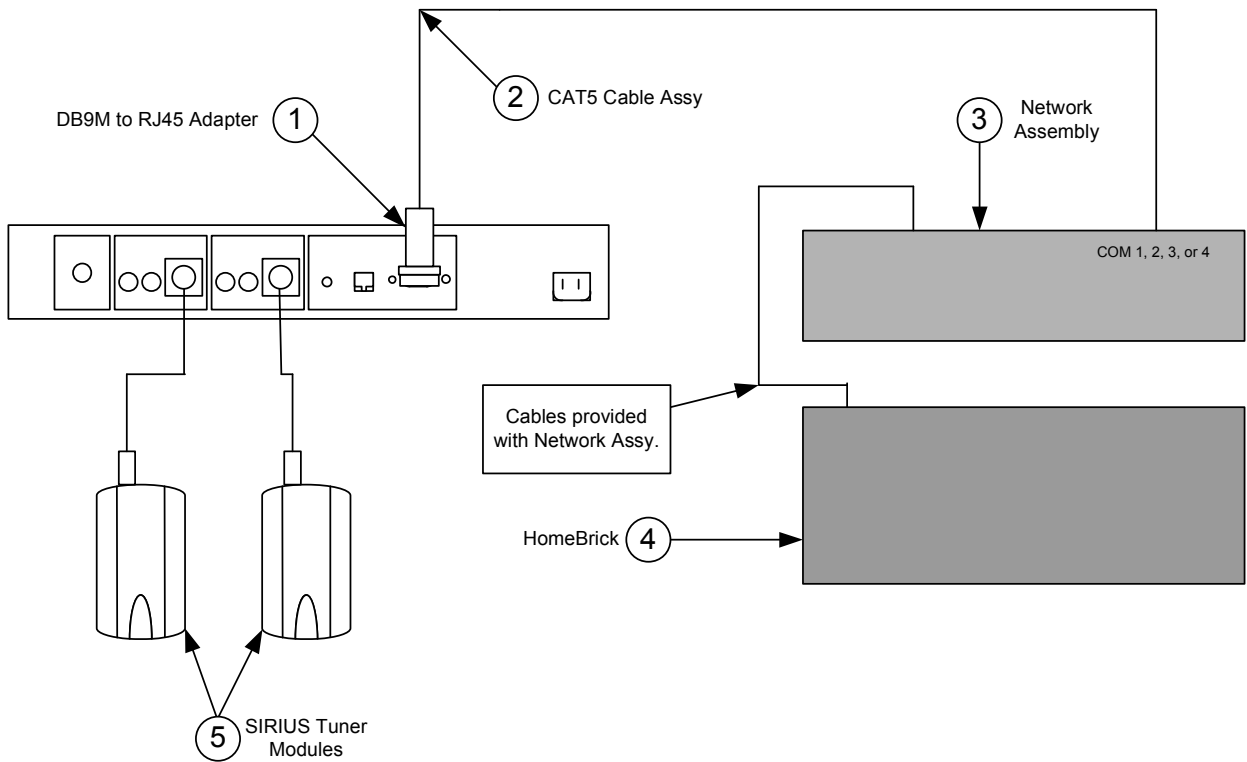
**RDS:** The RDS, or Radio Data System, is supported in the HomeLogic interface where available.

**NOTE:** If the optional SIRIUS modules are not used, configure the NV-T2SIR as a standard NuVo T2 tuner instead. See below for specific information.

## **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 **OneHome** 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 **OneHome** system to the tuner electrically. See the connection diagram for more information.
6. Configure the **OneHome** system for the tuner and confirm communication between the tuner and the **HomeBrick**.
7. Test the system by changing stations from the Viewer interface.

CONNECTION DIAGRAMS



BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	DB9M to RJ45 Adapter	HomeLogic	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 Wire	
3	Network Assembly	HomeLogic	HW-NA-18X4	RS-232	RJ-45 Female X DB-9 Female / USB	
4	HomeBrick	HomeLogic	HW-HB-1080	RS-232	DB9 Male / USB	
5	SIRIUS Tuner Module	SIRIUS	SC-H1P2	Other	DIN	

## HOMELOGIC CONFIGURATION DETAILS

The following table provides settings used in the HomeLogic Configurator. Please refer to the Configurator Reference 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: <b>New Device</b> )	
	Type	<b>Serial Port</b>	
	Communication Type	<b>Nuvo T2 Tuner</b>	
	Location	<User Defined> (Not Required)	
	COM Port	<Select>	
	BAUD Rate	<Select> (Default: <b>9600</b> )	Set to <b>57600</b> , See note 1
Audio Tuners	Name	<User Defined> (Default: <b>Nuvo NV-T2SIR AM/FM/SIRIUS Tuner</b> )	
	Device Type	<b>Nuvo NV-T2SIR AM/FM/SIRIUS Tuner</b>	
	Location	<User Defined> (Not Required)	
	COM Device	<Select> (Default: <b>New Device</b> )	
	Tuner ID	<Select> (Default: 1)	See note 2
Audio Tuners	Name	<User Defined> (Default: <b>Nuvo T2 XM Tuner</b> )	
	Device Type	<b>Nuvo T2 AM/FM Tuner</b>	If SIRIUS module is not connected. See note 3.
	Location	<User Defined> (Not Required)	
	COM Device	<Select> (Default: <b>New Device</b> )	
	Tuner ID	<Select> (Default: 2)	See note 2
<Audio Zone Controllers>	Add an Audio Zone Controller: refer to the Integration Note for your particular receiver or zone controller. (See Note 4)		

### Notes:

- Due to the fact that the NV-T2SIR shares a common Communications Device type with it's predecessor the T2 AM/FM/XM Tuner, and the required BAUD rate is different for the two, you must select 56700 as the BAUD rate for the NV-T2SIR Tuner.
- By default tuner A is tuner ID 1, and tuner B is tuner ID 2
- If a SIRIUS module is not connected to one or the other tuners, set it up as a standard NuVo T2 AM/FM Tuner.
- 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 a source is connected to a basic amp, refer to the **Single Zone Audio** Integration Note.

## **COMMON MISTAKES**

1. **Not setting the correct BAUD rate in the Communications Device:** The Default BAUD rate when adding a NuVu T2 Communication Device is 9600. For a NV-T2SIR, this setting must be changed to 57600.