OneHome™ **Management and Control Solutions**	Audio Integration Note
Manufacturer:	Vaux Electronics, Inc.
Model Number(s):	**Lattis LE-400, LE-800, LE-1600**
Comments:	
Document Revision Date:	9/7/06

OVERVIEW AND SUPPORTED FEATURES

THE FOLLOWING FEATURES ARE SUPPORTED:

Traditional Whole-House Audio and Video: The Vaux Lattis LE series are multizone - multisource audio / video switchers that can be controlled by the **One**Home software using an RS-232 port. The **One**Home Viewer interface can be used to select sources and control volume in each zone.

Standard LE Configurations: The LE series driver will switch audio and video to a zone together. In other words, if zone 1 is playing **Audio Source 2**, then **Video Source 2** will also be routed to zone 1.

Zone Clusters: The LE supports "zone clusters" which allow you to tie up to eight consecutive zones together and treat them as one. The **One**Home interface will remain in synch with changes made to zone clusters from outside of the **One**Home system. However, to control zone clusters from within the **One**Home system, you will need to use slave zones: contact us for more details.

THE FOLLOWING FEATURES ARE NOT SUPPORTED:

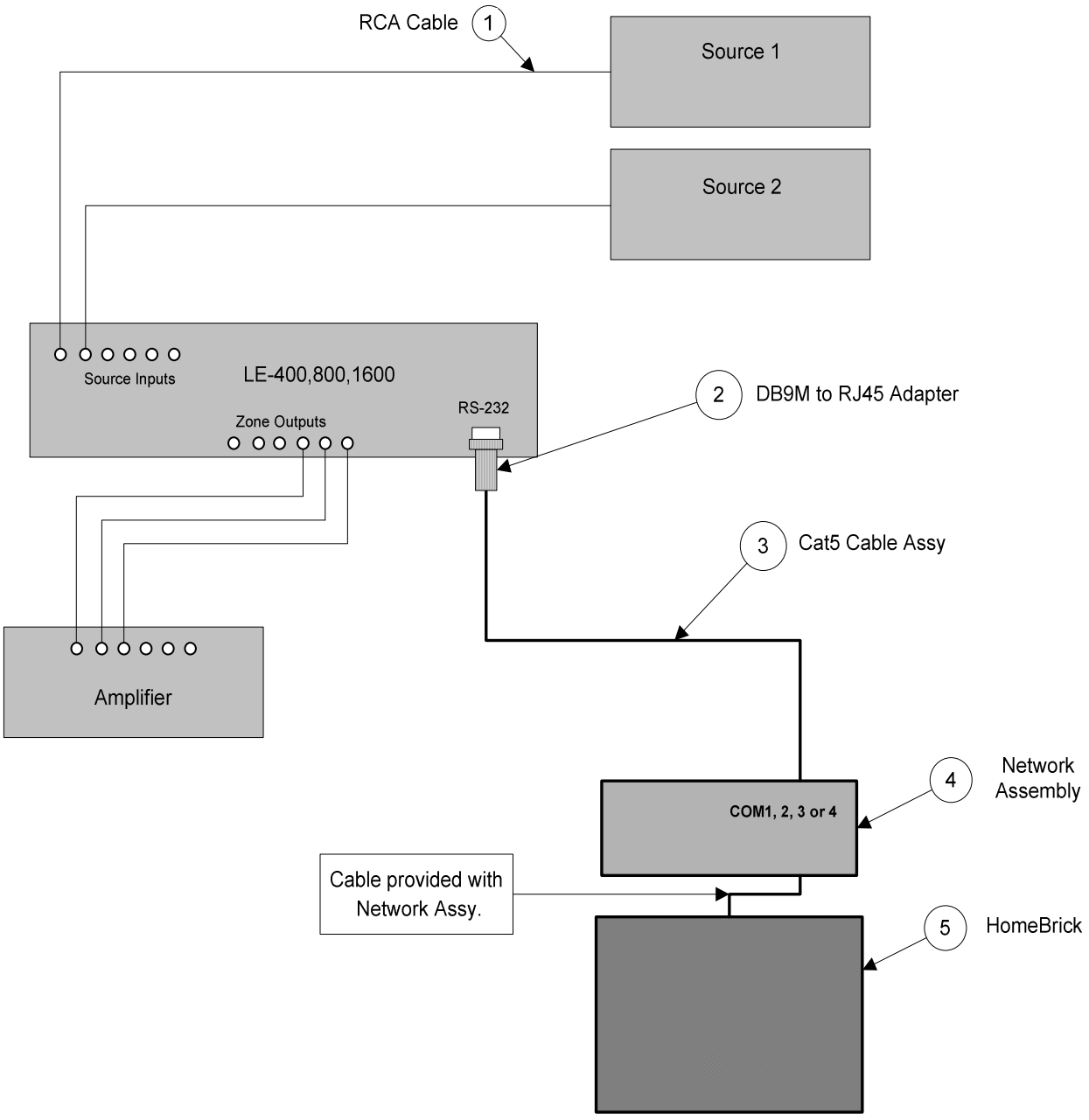
Independent Audio / **Video Switching:** The LE series switches generally allow you to send **Audio Source 1** to zone 2, and **Video Source 1** to zone 3. This is not supported in the **One**Home system: **Audio Source 1** and **Video Source 1** will switch together.

Multiple LE Units: If additional zones are needed, multiple LE series switches can normally be tied together, to control up to 255 zones. At this time, the LE driver supports just 8 zones. Contact us if your application needs access to more zones.

INSTALLATION OVERVIEW

1. During the rough-in phase, install speaker wire for the speakers and Cat5 cable for keypads, in 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 **One**Home system for RS-232 communications. Refer to the **RS-232 Connection Options** Integration Note for other options.
3. Install the switch, the sources and the amplifier and speakers.
4. Setup the switch to operate as desired using the Vaux standard procedures.
5. Confirm the unit is set to factory default, baud = 38400, and base zone = 1.
6. Confirm proper audio and video switching as configured in step above.
7. Connect the **One**Home system to the switch electrically. See the wiring diagrams for more information.
8. Configure the **OneHome** system for the switch and confirm communication between the switch and the **Home**Brick.
9. Test the system by changing sources in a zone to confirm the correct source plays and volume is controlled. Test source control for any sources that are to be controlled from the **One**Home interface.

CONNECTION DIAGRAMS



BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	RCA Cable	N/A	N/A	Analog	RCA X RCA	
2	DB9M to RJ45 Adapter	HomeLogic	HA-CB-307	RS-232	DB-9 Male X RJ-45 Female	
3	Cat5 Cable Assy.	Installer	N/A	RS-232	RJ-45 Male X RJ-45 Male	Must connect all 8 wires
4	Network Assembly	HomeLogic	HW-NA-18X4	RS-232	RJ-45 Female X DB-9 Female / USB	
5	HomeBrick	HomeLogic	HW-HB-1080	RS-232	DB9 Male / USB	

HOMELOGIC CONFIGURATION DETAILS

The following table provides settings used in the HomeLogic Configurator when connecting to a Vaux system. Please refer to the Configurator Reference Guide for more details.

In the table below:

- "<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: **Vaux System**)	
	Type	**Serial Port**	
	Communication Type	**Standard Connection**	
	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 / Interfaces	**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: **Vaux Lattis LE-800AV**)	
	Device Type	**Vaux Lattis LE-800AV**	
	Location	<User Defined> (Not Required)	
	Comm Device	<Select> (Default: **Vaux System**)	
Sources	**Name**	<User Defined>	
	Source Device	<Select>	Sources must be previously configured in order to allow selection.
	Source Volume	<Select> (See Note 1)	
	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>	<Select>	Configure Display power state and input selection for each source
Tab Layout	**Interface Tabs**	<Select>	Move any unused zones to the right into **Available Zones** to remove from the viewer

Notes:

1. For systems with devices that have controlable volume (such as an AudioTron), select the desired volume (normally 100%).

COMMON MISTAKES