DIGILINX™ Application Note

Configuring Lutron® RadioRA® Products with *DigiLinX*

Introduction

This application note explains how to integrate the *DigiLinX* IP-Based Multi-Room Audio and Control system with the Lutron RadioRA system.

Before You Start

The following items are required to be on hand before you begin configuring the Lutron RadioRa product with *DigiLinX*.

○ RadioRA system installed and configured with phantom buttons

○ *DigiLinX* system with a *ControLinX* dedicated to Lutron RadioRA

○ *SwitchLinX*

○ *TouchLinX* (or other browser-based user interface)

○ 3.5mm to DB-9 RS232 communications cable (included with *ControLinX*)

○ male-to-male gender changer for the DB-9 connector on the RS232 communications cable

○ *DigiLinX* Dealer Setup software version 1.60 or higher (installed and running on a PC).

Connecting *ControLinX* to Chronos™ or the RS232 Interface

Refer to Figure 1 on the following page for a connection diagram.

1. Attach the male-to-male gender changer to the DB-9 connector on the RS232 communications cable (supplied with *ControLinX*).

2. Connect the 3.5mm phono connector of the RS232 cable to the *ControLinX*.

3. Connect the other end of the cable (DB-9) to the RS232 port on the Chronos or RS232 Interface unit.

4. Plug one end (RJ45) of a standard Ethernet cable into the Ethernet port on the *ControLinX* and plug the other end into one of the ports on the *SwitchLinX*.

5. To use the *DigiLin*X Dealer Setup program, plug one end (RJ45) of a standard Ethernet cable into one of the ports on the *SwitchLin*X and plug the other end into the Ethernet adapter on the PC.
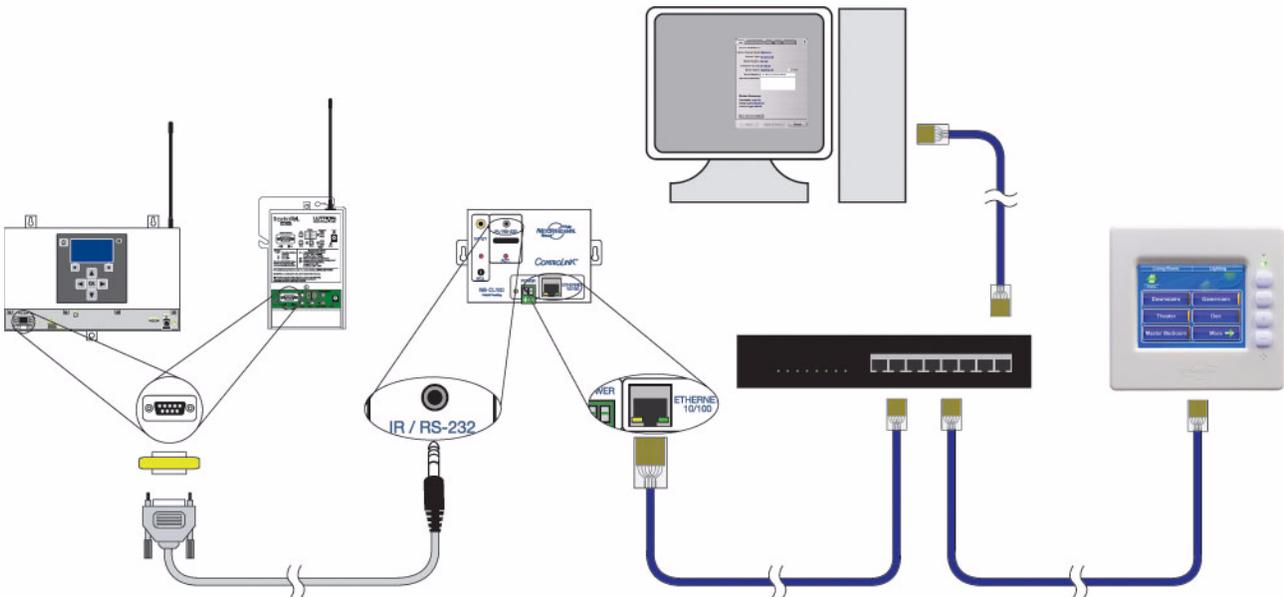
Figure 1   Connecting *ControLin*X to Chronos or the RS232 Interface

Entering Device Information in the *DigiLin*X Dealer Setup Program

Using the *DigiLin*X Dealer Setup program, you can enter information about the *ControLin*X you are configuring.

1. With the *ControLin*X connected to the Chronos or RS232 interface unit, start the Dealer Setup program.

2. Create a project or open an existing project.

3. Add or select a *ControLin*X that will be configured for the RadioRA system. When adding a *ControLin*X, make sure to choose the Lutron RadioRA driver in the driver list. If the Lutron RadioRA driver was not selected when the *ControLin*X was added, the driver can be selected under the IR/RS232 Settings tab.

4. The Info tab for the *ControLin*X hosting a RadioRA system displays in the right window pane (see Figure 1).

Figure 1   *ControLinX* with RadioRA System Info tab

The Info tab contains all of the information that was auto-discovered for the designated *ControLinX*.

5. Enter any comments for the device in the **Device Comments** field.

6. Click **Apply**.

Assigning Phantom Buttons in Dealer Setup

Phantom buttons must already be programmed into the RadioRA system for the button assignments to work correctly with the *DigiLinX* system. Complete the following steps to assign phantom buttons in Dealer Setup.

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1. From the selected *ControlLin*X, click on the **Labels** tab.
   The Labels tab for the *ControlLin*X hosting a RadioRA system displays in the right window pane (see Figure 2).
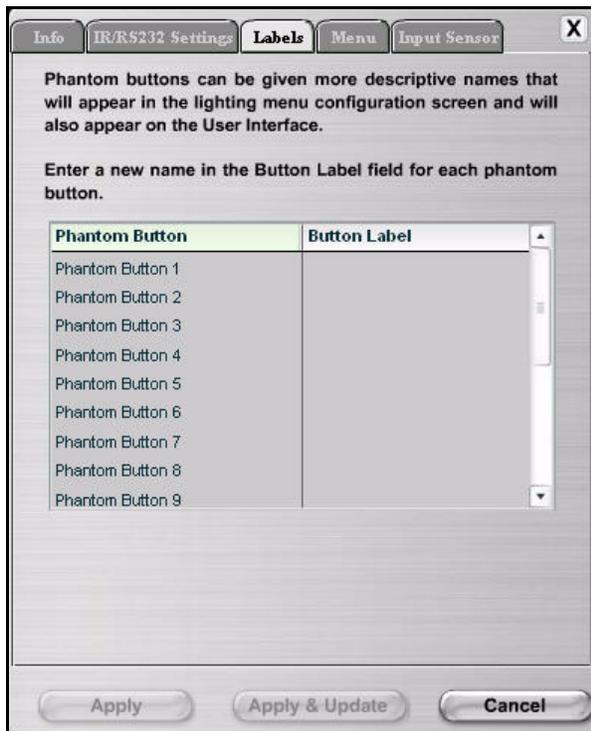
Figure 2   Labels tab for the *ControlLin*X hosting a RadioRA system

2. Click on the fields under **Button Label** to enter descriptive names for each of the Phantom buttons. These descriptive names will appear on the *TouchLin*X user interface (or other browser-based user interface) used to control the *DigiLin*X system.
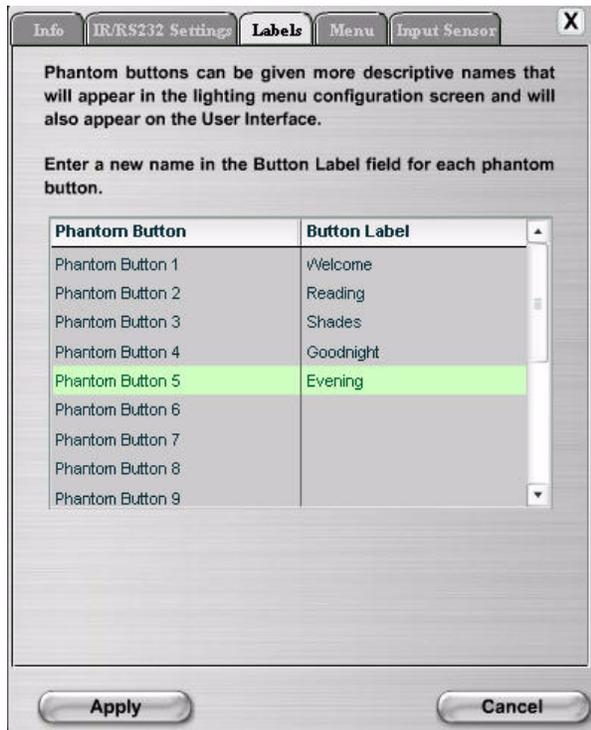
Figure 3   Button Labels Entered

3.   Click **Apply**.

4.   Select the **Menu** tab.

The Menu tab for the *ControlLin*X hosting a RadioRA system displays in the right window pane (see Figure 3). The Menu tab allows you to determine what order the scenes (phantom buttons) are presented on the lighting menu in the user interface for each room.

Must be checked.
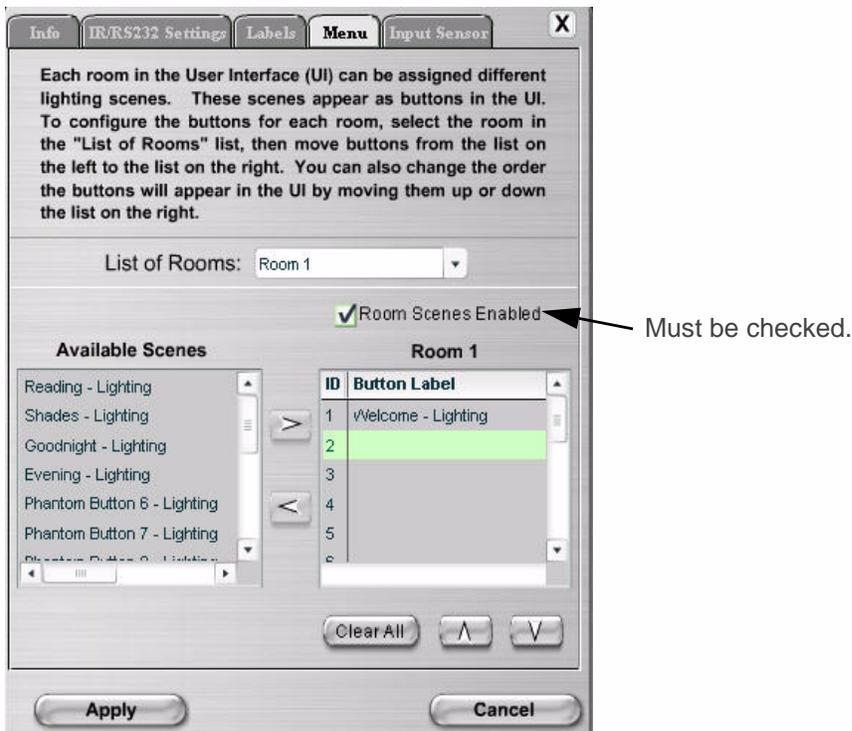
Figure 4   Menu tab for the *ControlLin*X hosting a RadioRA system

5. Each room in the user interface can be assigned different lighting scenes. These scenes appear as buttons in the user interface. To configure buttons, select a room under the **List of Rooms** drop-down menu.

6. Select a scene from the **Available Scenes** list.

7. Use the right arrow button to move the scenes into the room. You can add up to 17 scenes for each room. If you need to remove a scene, use the left arrow button.

8. Use the up and down arrow buttons located under the room listing to adjust the order in which the scenes are presented.

9. Click **Apply**.

10. Make sure the **Room Scenes Enabled** checkbox is checked.

11. Remember to click the **Send Configuration Files** button to send the configuration to *ControlLin*X and other *DigiLin*X devices.

Disabling Flow Control on the Chronos

Use the front panel of the Lutron Chronos wall unit to ensure that flow control is set to off.

1. Using the main menu display on the front panel of the Chronos wall unit, select **RS-232 Settings.**

2. Select **Serial Port Setup**.

3.   Next to the setting for Flow Control, make sure it is set to off.

Validating the Installation

After all configurations are updated, use a *TouchLin*X or web browser to validate the installation.

1.   Click the **Lighting** button on the *DigiLin*X user interface.

2.   Click one of the scene buttons you set up in an earlier step.

3.   Ensure that the lighting scene you selected is activated by the button you pressed.