Chapter

7

IR Tools

IR Tools are used to enable specific IR codes for third-party devices connected through a MediaLinX or ViewLinX. IR learning is separate from the project. When you're learning IR, you're doing it with either the the MediaLinX or ViewLinX. The IR tools can be used only on a matched MediaLinX or ViewLinX device. To open the IR Tools menu:

1. Ensure you have the project open and all devices matched and connected to your PC.
2. Select the MediaLinX or ViewLinX in the left window pane.
3. Select the IR button ( ) from the icons at the top of the window.

   The IR Tools menu for the MediaLinX displays (see Figure 7-1) or the IR Tools Menu for ViewLinX displays (see Figure 7-2).

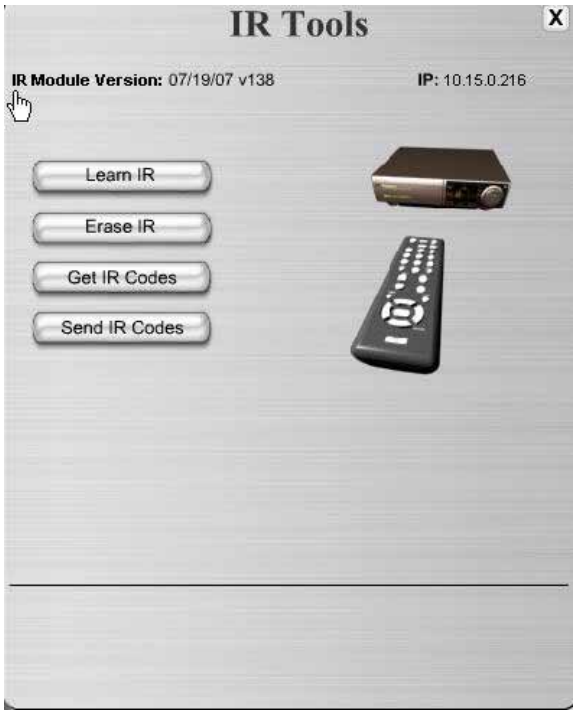

Figure 7-1 IR Tools Menu for MediaLinX

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Figure 7-2 IR Tools Menu for ViewLinX

From this menu, you must select to learn IR for the display port or for the auxilliary port (an AV recever).

Learning IR

4. Select **Learn IR**.

   You are prompted to enter the service type and frequency for the device attached to the MediaLinX (see Figure 7-3).

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Figure 7-3 Service and Frequency

5. From the Service Type dropdown list, select the source device you're using.
6. From the Frequency dropdown list, select the frequency for the source device you're using.

NOTE: The correct frequency must be selected prior to learning IR. The default is 38 KHz. See specifications for the attached device to ensure 38 KHz is the proper operating frequency.

7. Select **Continue**.

   Commands to Learn display. This screen will vary depending on whether you are learning IR for MediaLinX (see Figure 7-4) or for ViewLinX (see Figure 7-5).

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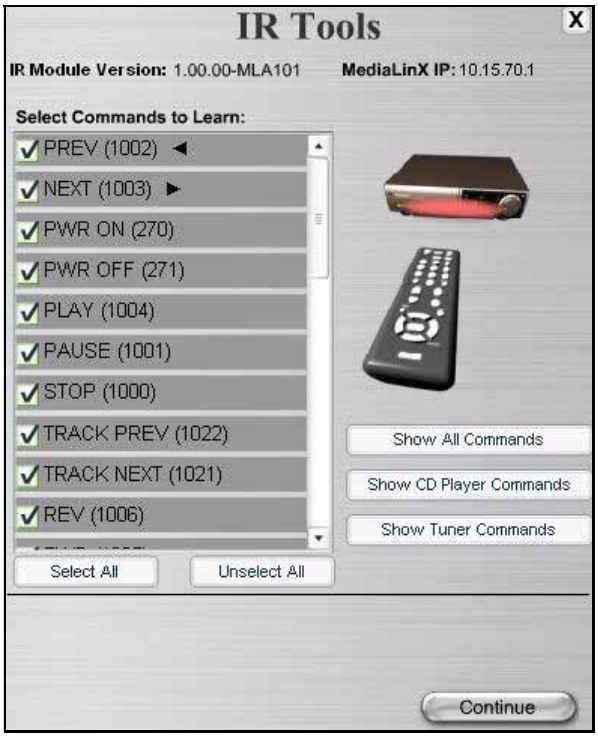

Figure 7-4 Commands to Learn for MediaLinX

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Figure 7-5 Commands to Learn for ViewLinX

8. Select any IR commands you use for control of audio or video sources and macros.

NOTE: The remaining screens in this chapter show learning IR on a MediaLinX, although learning IR is the same process for both MediaLinX and ViewLinX.

NOTE: Everything is selected by default. You can deselect all and only select commands that you need. The Prev and Next buttons are used specifically for a *KeyLin*X (buttons 5 and 6). You can program them with any IR command you want assigned to those buttons.

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9. Select **Continue**.

   The first button to learn displays (see Figure 7-6).

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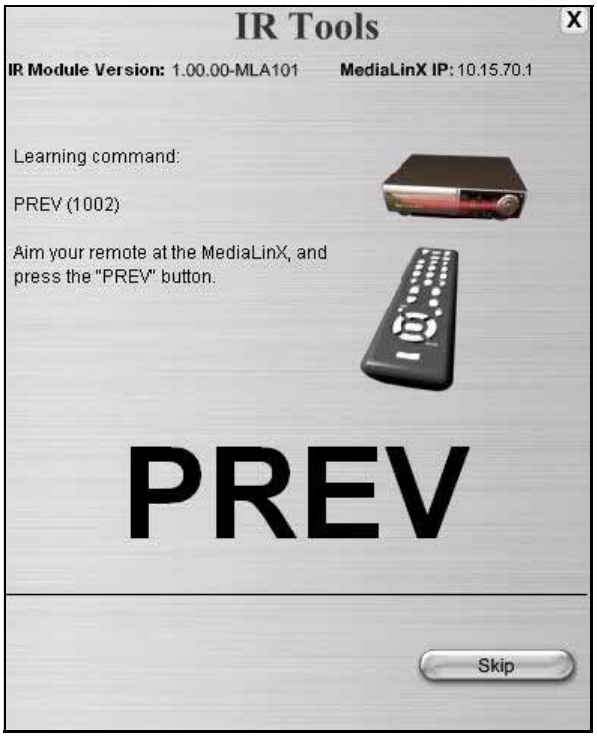

Figure 7-6 First IR command to program

10. Take the remote control for the source device and point it at the IR window on the MediaLinX or ViewLinX.
11. Press the button normally. Pressing too hard or too long may result in having the button programmed twice.

NOTE: Aim the remote control directly at the IR window. You should position the remote 6 to 12 inches from the IR window. Keep away from sunlight or heavy fluorescent lighting.

Hex code appears in the IR Tools window. A note appears that the button was learned. The next button to be programmed displays (see Figure 7-7).

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Figure 7-7 Command learned

12. Repeat steps 10. and 11. until all buttons have been programmed.

You are prompted that you are done learning commands (see Figure 7-8).

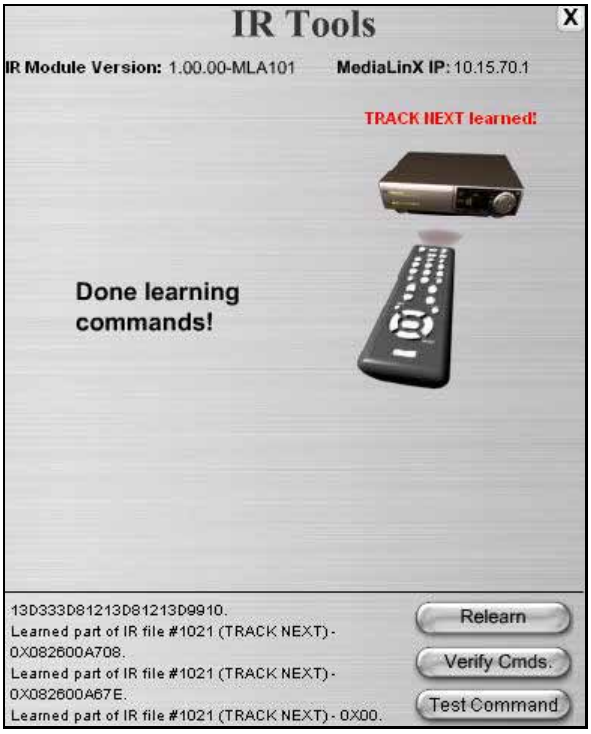

Figure 7-8 Learning complete

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Testing Commands

This feature allows you to test the remote with the MediaLinX to see if your IR commands are programmed properly.

1. Verify that the IR emitter is connected from the correct MediaLinX to the source device.
2. Select **Verify Commands**.

   A window displays with the programmed commands listed (see Figure 7-9).

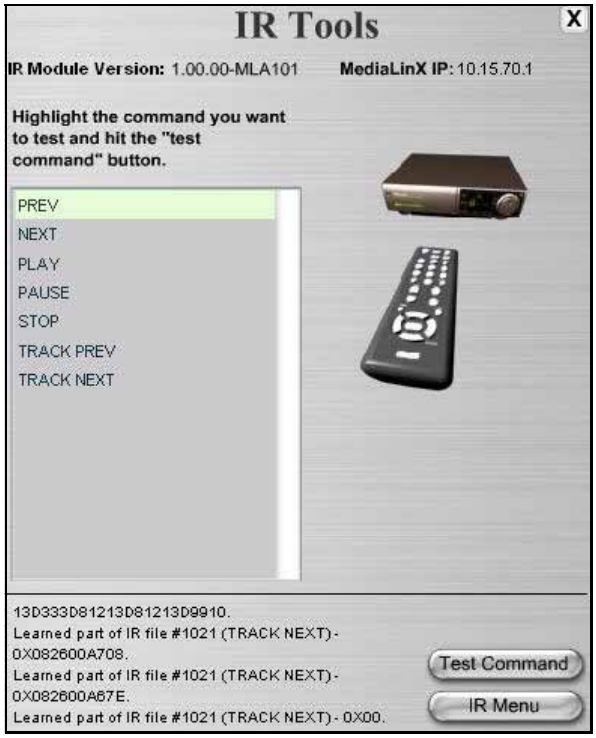

Figure 7-9 Verify IR commands window

3. Select the command you want to verify.
4. Select **Test Command**.
5. Using the TouchLinX or the browser interface, try the command and see if it works.
6. Repeat steps 3. through 5. for the rest of the commands you want to test.
7. Close the window.

Erase IR

Selecting this option erases the project you just programmed.

1. From the IR Tools menu, select **Erase IR**.

   You are prompted to verify that you want to erase the IR commands you have loaded (see Figure 7-10).

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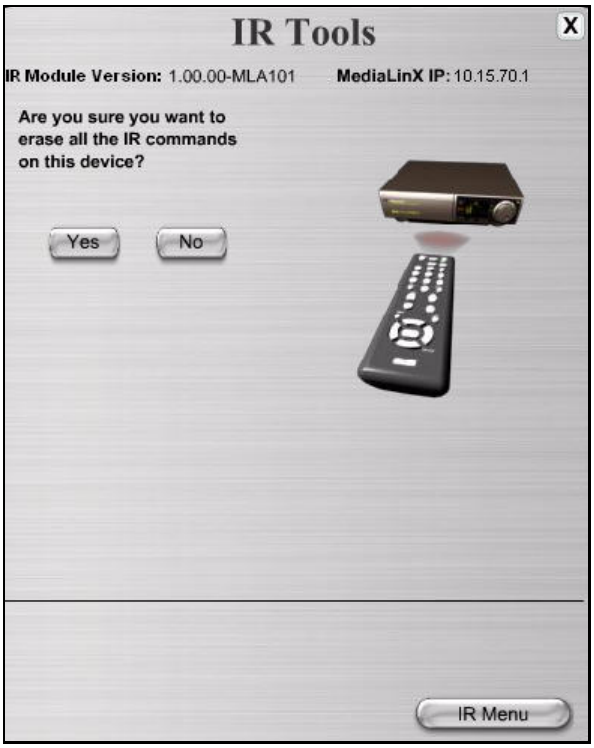

Figure 7-10 Erase prompt

2. Select **Yes**.

   A list scrolls as it displays which codes are being deleted. When finished, the window displays that the file erase was done (see Figure 7-11).

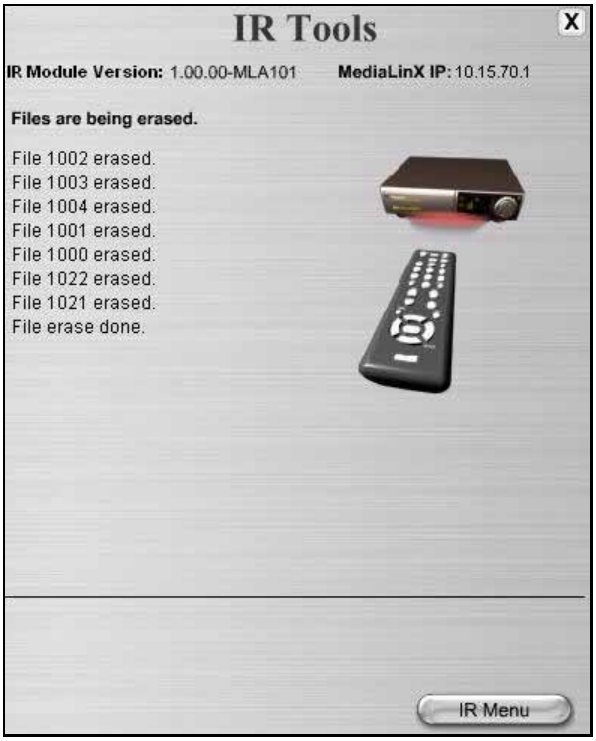

Figure 7-11 File erase done window

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Get IR Files

The *DigiLinX* system uses IR codes that are in a .nir extension file. To save codes that you have learned to a MediaLinX or ControLinX so you can use them for future projects, complete the following steps:

1. From the IR Tools menu, select **Get IR Codes**.

   A browser window opens (see Figure 7-12).

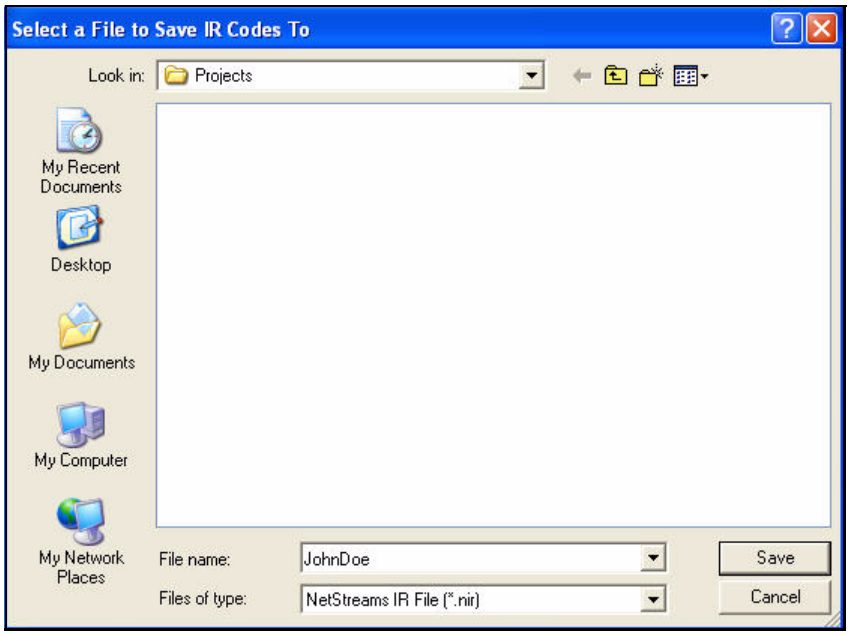

Figure 7-12 Save window

2. Enter a filename in the Filename field.
3. Select **Save**.

   The codes are retrieved from the MediaLinX or ControLinX and saved to the .nir file (see Figure 7-13).

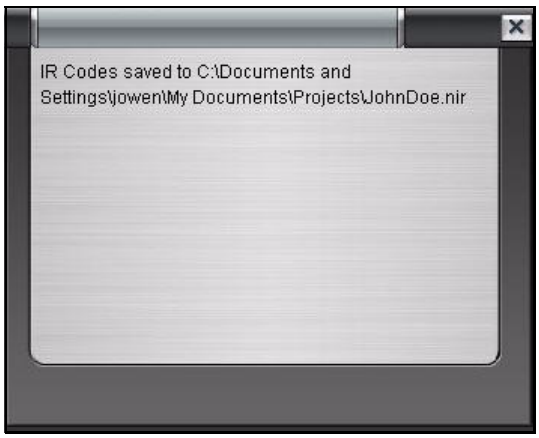

Figure 7-13 IR codes saved window.

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4. Close the window.
5. Select **IR Menu** to return to the IR Tools menu.

Send IR

This feature takes the IR code file saved on your PC (in .nir format) and sends it to the MediaLinX or ControLinX.

1. From the IR Tools menu, select **Send IR Codes**.

   Windows Explorer opens (see Figure 7-14).

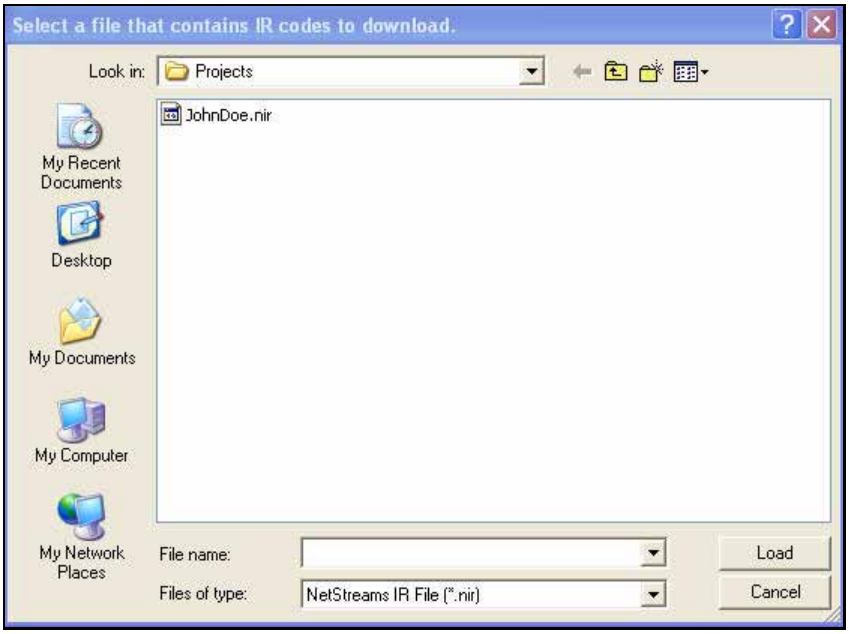

Figure 7-14 Windows Explorer

2. Select the project IR codes you want to load.
3. Select **Load**.

   The files begin to load (see Figure 7-15).

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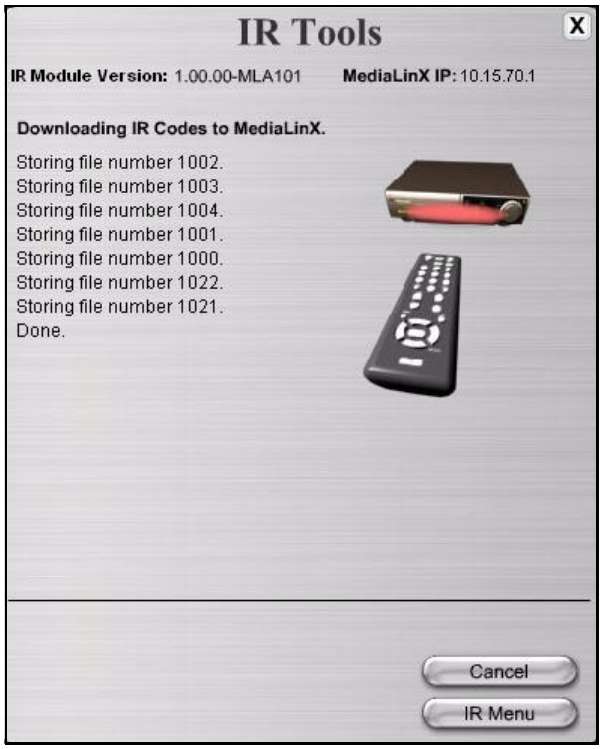

Figure 7-15 Downloading IR codes

When complete a popup window displays (see Figure 7-16).

Figure 7-16 Download complete window

4. Close the window.
5. Select **IR Menu** to return to the IR Tools menu.

Upgrade IR Firmware

NOTE: This process also occurs automatically when the MediaLinX is updated. The following process is only used for troubleshooting IR problems.

If there are updates to *NetStreams* firmware, complete the following steps.

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1. Select the Update Devices icon ( ) to verify that all your devices are running the latest firmware.
2. From the IR Tools menu, select **Update IR Firmware**.

   A “Select a NetStreams SREC File” window displays (see Figure 7-17).

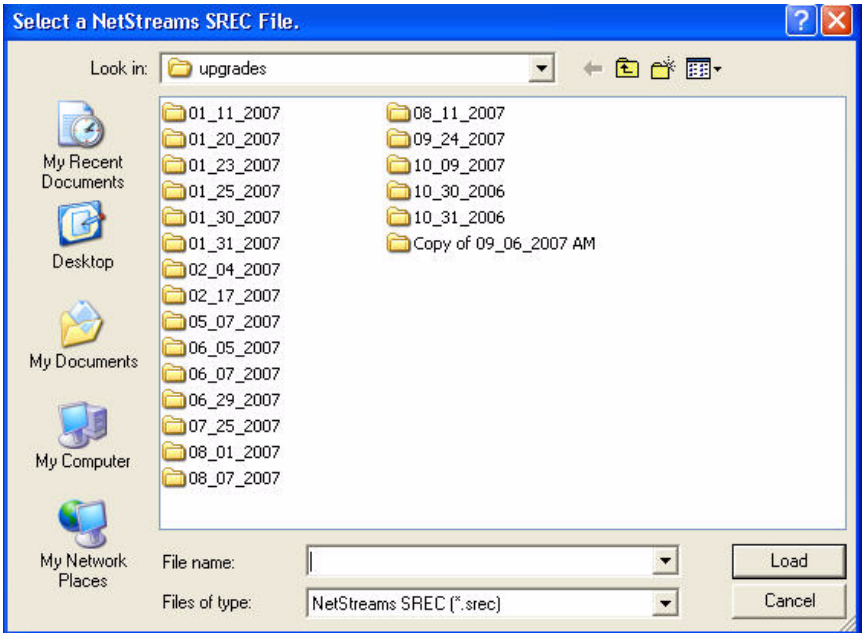

Figure 7-17 Select a *NetStreams* SREC file window

3. Open the latest dated folder in the upgrades folder.

NOTE: This is typically located in c:\digilinx dealer setup\upgrades.

4. Open the MediaLinX or ControLinX folder that contains IR firmware you want to upgrade.

   A file should display.
5. Highlight the file.
6. Select **Load**.

   The firmware begins downloading to the device (see Figure 7-18). This will take about five minutes.

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Figure 7-18 Firmware downloading

When finished, you are notified that the download is complete (see Figure 7-19).

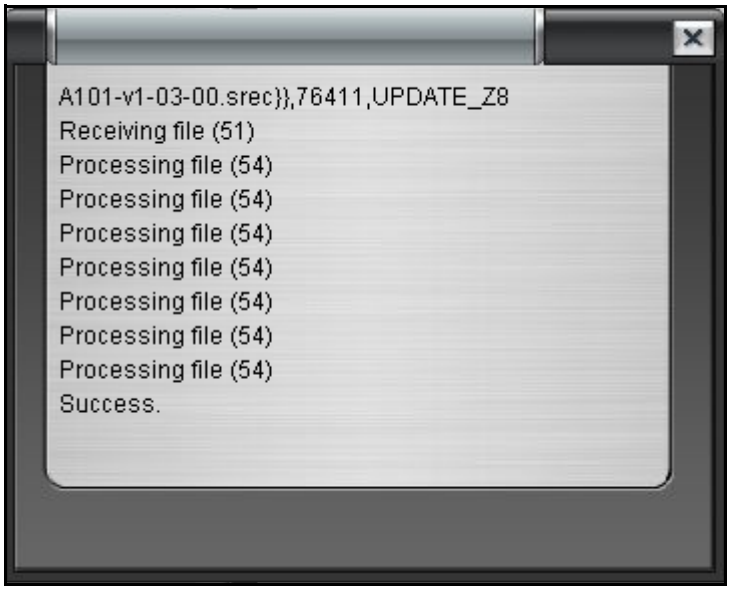

Figure 7-19 Download complete prompt

7. Close the window.
8. Select **IR Menu** to return to the IR Tools main menu.

Reboot IR

To restart the IR functionality in a MediaLinX, complete the following steps:

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1. Select **Reboot IR**.

   You are notified that IR has restarted (see Figure 7-20).

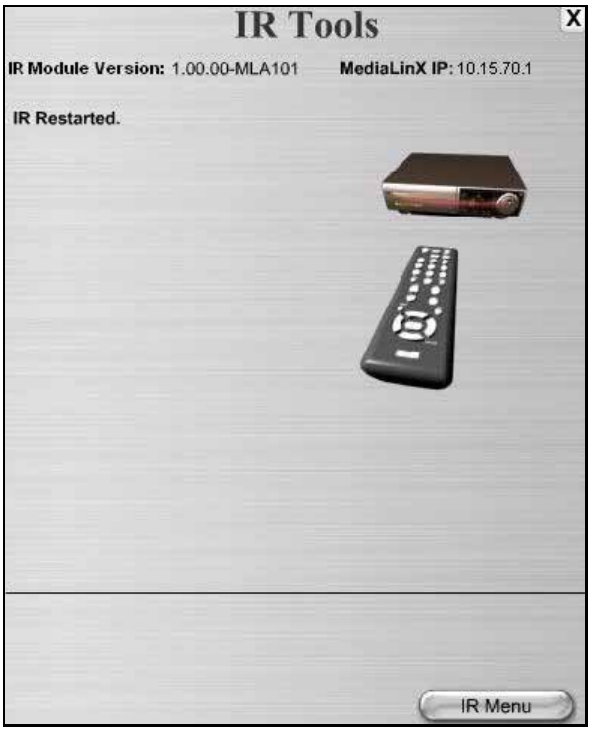

Figure 7-20 IR Rebooted

2. Select **IR Menu** to return to the IR Tools main menu.

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