

**PHILIPS**

# Strand Lighting

250ML Lighting Control Console  
Fixture Library Creator Software



User's Guide

**Website:**  
[www.vari-lite.com](http://www.vari-lite.com)

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250ML Lighting Control Console Fixture Library Creator Software User's Guide  
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# IMPORTANT INFORMATION

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## Additional Resources for DMX512

For more information on installing DMX512 control systems, the following publication is available for purchase from the United States Institute for Theatre Technology (USITT), "Recommended Practice for DMX512: A Guide for Users and Installers, 2nd edition" (ISBN: 9780955703522). USITT Contact Information:

**USITT**  
**315 South Crouse Avenue, Suite 200**  
**Syracuse, NY 13210-1844**  
**Phone: 1.800.938.7488 or 1.315.463.6463**  
**www.usitt.org**

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## PREFACE

### About this Guide

This Fixture Library Creator Software User's Guide will demonstrate how to create a multi-parametered fixture for 250ML Lighting Control Consoles using the Fixture Library Creator Software.

The Fixture Library Creator Software is available for download - at no charge - from the 250ML Lighting Control Console product downloads page on the Philips Strand Lighting web site at [www.strandlighting.com](http://www.strandlighting.com).

## INSTALLATION

### Installing Software on a Computer

Before you can install and use the 250ML Fixture Creator Software, you must go to the 250ML console product downloads section on the Philips Strand Lighting web site at [www.strandlighting.com](http://www.strandlighting.com) and download the latest version of the 250ML Fixture Creator Software(250ML\_FLC\_VX.XX.zip).

**Note:** The graphics in this section appears in Microsoft Windows XP operating system. Your graphics may appear differently, but the essential information is the same.

#### To install the 250ML Fixture Creator Software on a computer:

- Step 1. After downloading the software from the Philips Strand Lighting web site (as described above), unzip the downloaded file.
- Step 2. Double click on the Setup file icon (setup.exe file) to launch the setup program. You may see this warning:

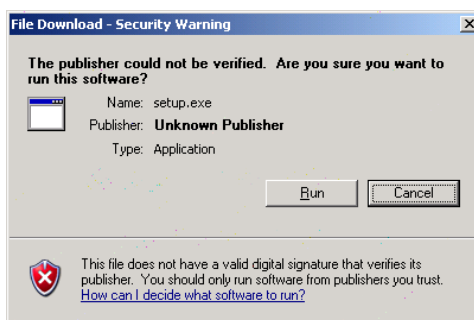
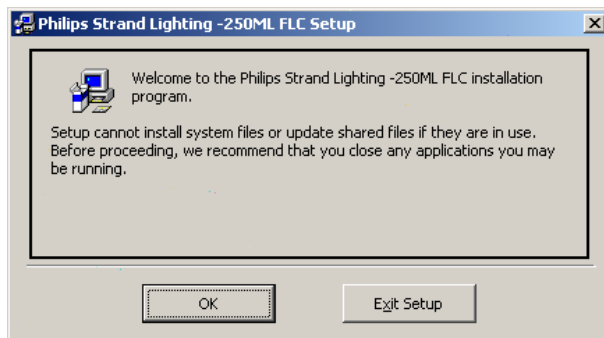


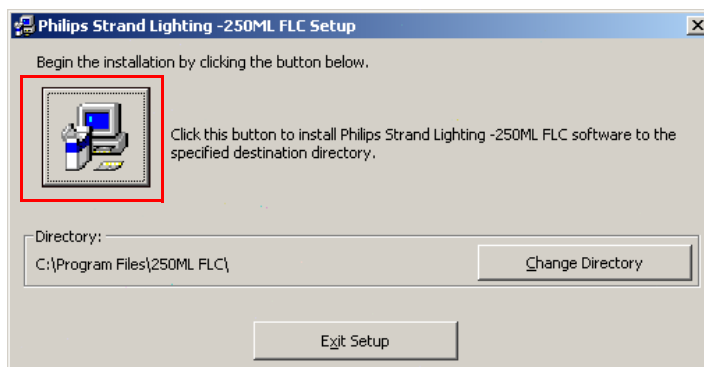
Figure 1: Setup - Security Warning

- Step 3. Click Run.
- Step 4. Follow the steps to install the software.
  - a. On this screen, click OK.



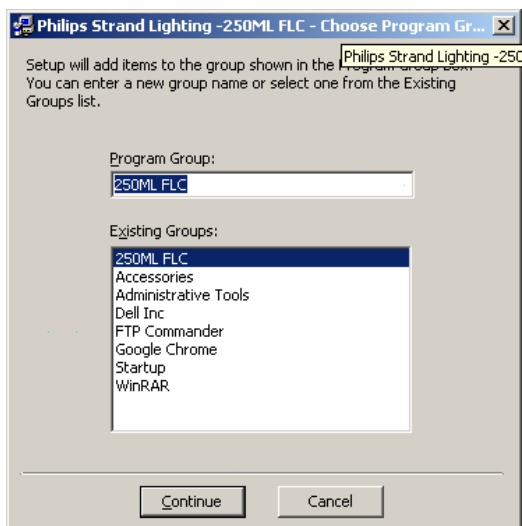
**Figure 2: Setup Screen**

- b. On this screen, click the computer icon as indicated by the red box. If you want the directory to be a different name, click Change Directory.



**Figure 3: Setup Screen - Directory Location**

- c. The program will begin installation. On this screen, click Continue.



**Figure 4: Setup Screen - Program Group Name**

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**Note:** If this prompt appears for Active X, follow the recommendation in the dialog box.

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d. After successful installation, this message will appear.



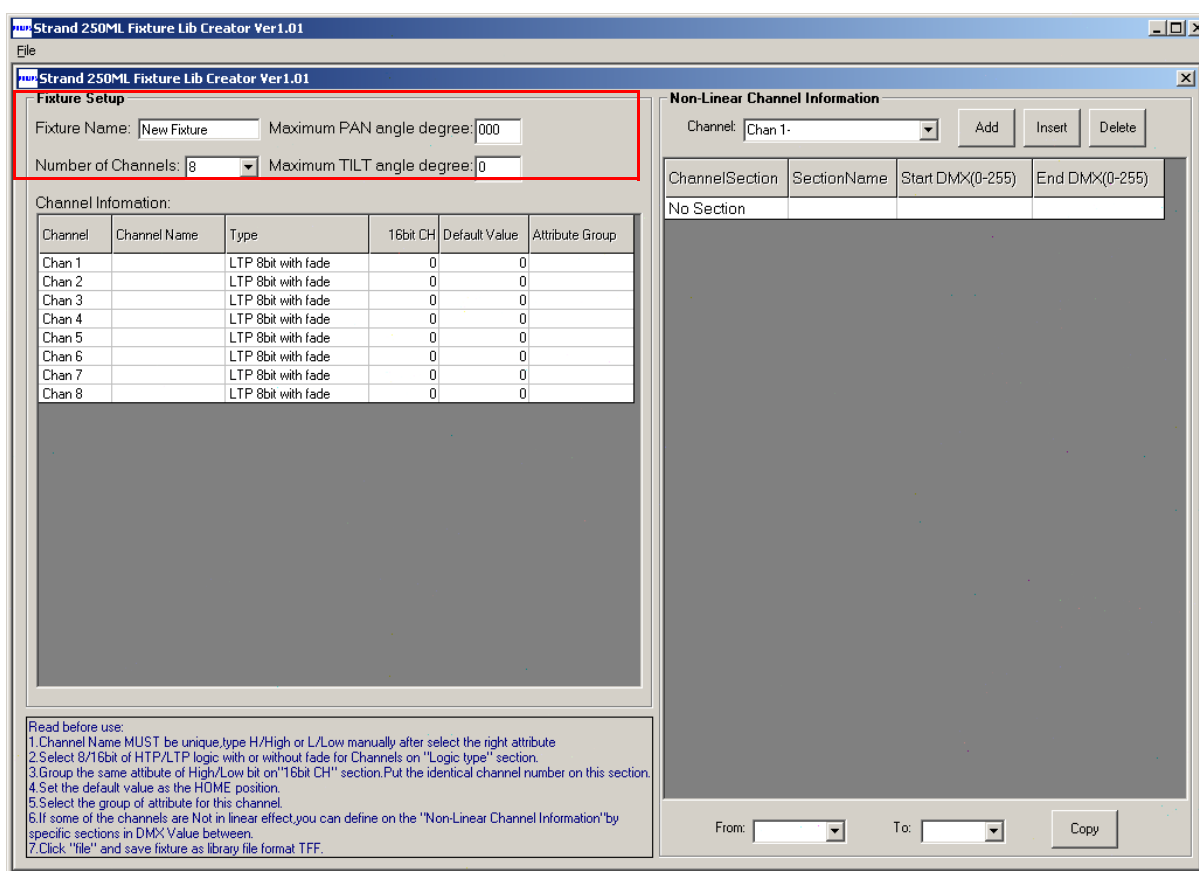
**Figure 5: Setup Screen - Installation Complete Dialog box**

The software is loaded and ready for use.

## OPERATION

### Launch Software

Got to Start menu, Programs and launch the 250ML Fixture Creator Software. The screen below shall appear.



**Figure 6: Launch Program - Initial Setup Screen**

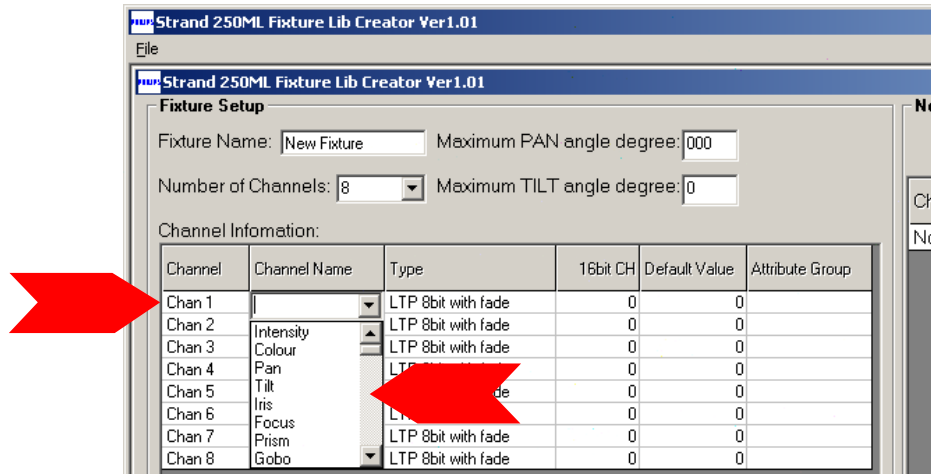
### Fixture Setup

As indicated in the Red Box in **Figure 6**, enter Fixture Setup information as follows:

Parameter	Meaning / Action
Fixture Name	Input the name of the fixture
Maximum PAN angle degree	Input the maximum pan rotation the fixture can achieve in degrees.
Number of Channels	Input the total number of DMX channels for the fixture mode.
Maximum TILT angle degree	Input the maximum tilt rotation the fixture can achieve in degrees.

### Linear Attributes - Channel Name

As indicated in **Figure 7**, enter Channel (Linear Attribute) information for each Channel Name - The name of the parameter - by selecting the attribute name from the pull down list.



**Figure 7: Linear Attributes - Channel Name**

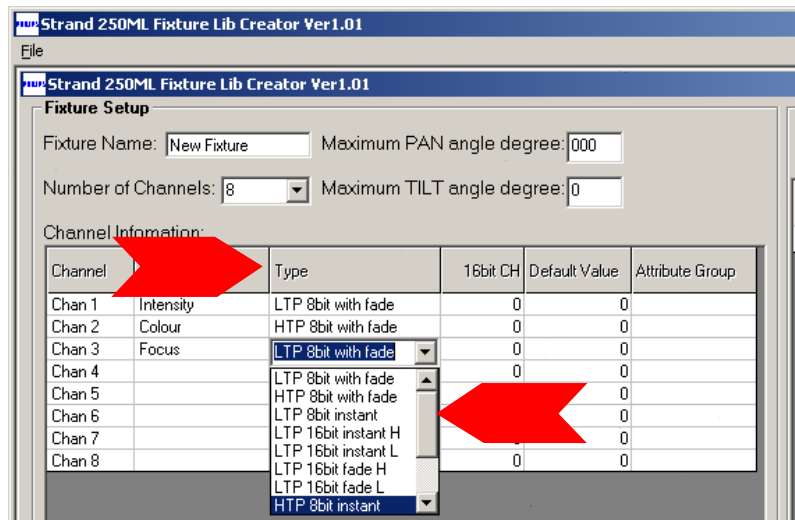
- Step 1. Click the DOWN arrow (on pulldown list) to show all available channel names.
- Step 2. Scroll through the list to find the most appropriate channel name for the defined DMX channel.
- Step 3. Select the appropriate channel name.



**Note:** Users are allowed to add a custom channel name to the existing list. However, the first channel of Pan / Tilt must select from existing parameters for mapping purposes. Custom channel names are *NOT* allowed for the first channel of Pan/Tilt or the fixture will not operate properly.

### Linear Attributes - Channel Type

You can define the HTP (Highest Takes Precedence) setting. HTP means that the item giving the parameter the highest value wins.



**Figure 8: Linear Attributes - Channel Type (HTP)**

**Note:** When setting up 16 bit parameters like Pan, the first channel will have the channel name of Pan with the Type: LTP 16bit fade H. The second channel will have channel name of PanFine with the Type: LTP 16bit fade L.

### Linear Attributes - 16 bit Channel

When the fixture has attribute pairs, then use the 16 bit Channel info to identify the link between the two channels. If two channels are 16 bit channels of the same item (like 16 bit Pan where there is a Course and Fine channel) then select Pan for the first channel, PanFine for the second channel. Set the 16bit CH value for the Pan to be 2 and set the 16bit CH value for the PanFine to be 1. This will link the two together.

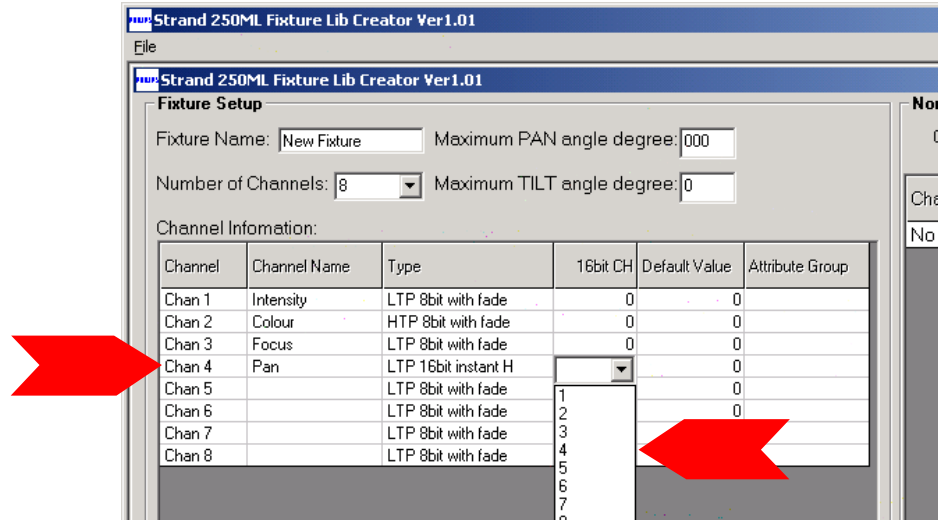


Figure 9: Linear Attributes - 16 bit Channel

### Linear Attributes - Default Value

As indicated in Figure 10, this parameter is the *default* or home position in which the fixture will start.

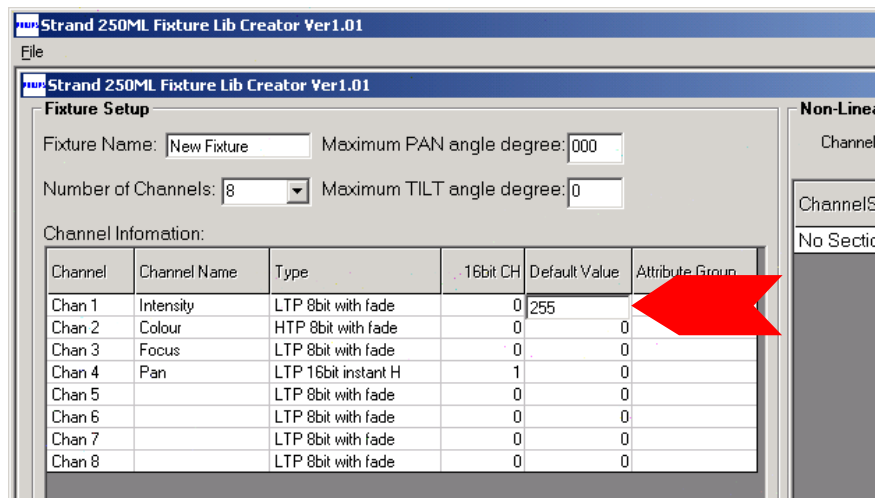


Figure 10: Linear Attributes - Default Value



### Linear Attributes - Attribute Group

This parameter defines the attribute family grouping of the attribute (assigned to the channel) will be assigned to. As indicated in **Figure 11**, the options are Dimmer, Position, Color and Beamshape.

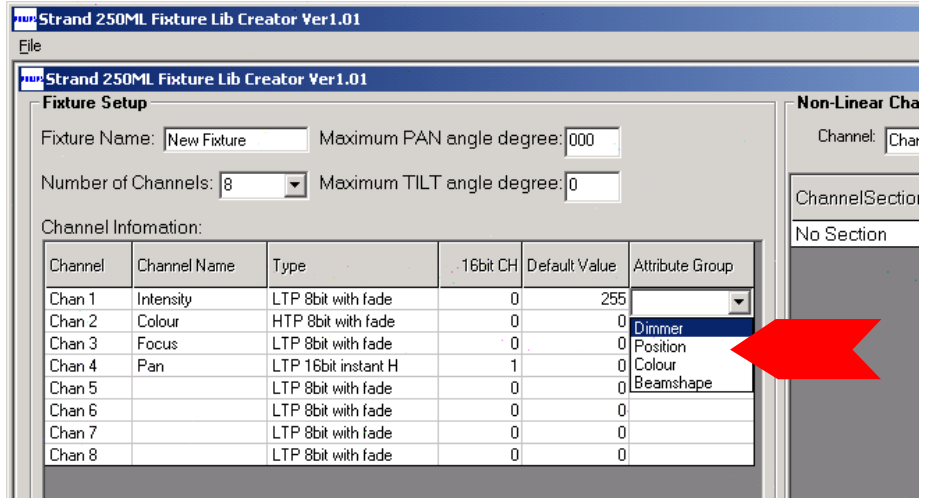


Figure 11: Linear Attributes - Default Value

### Non-Linear Attributes - Channel Information

For any channel that is not simply a linear numerical value, non-linear channel step information can be entered as illustrated in **Figure 12**. An example of this would be a color or gobo wheel.

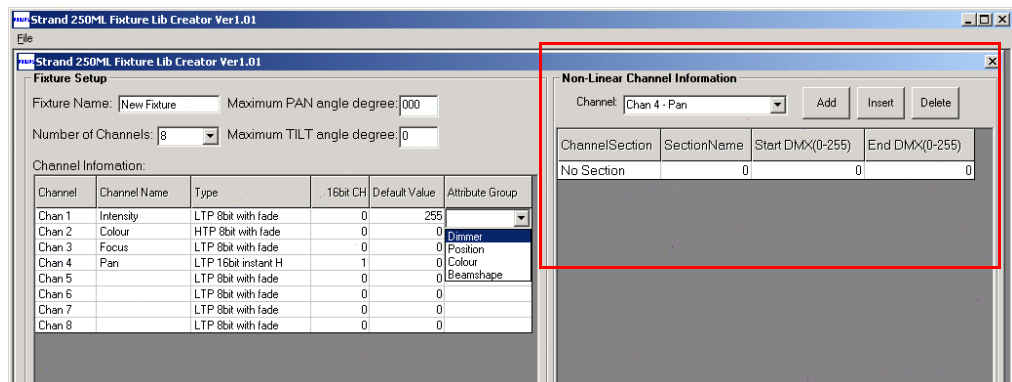


Figure 12: Non-Linear Attributes - Channel Information

#### Add, Delete, or Insert

To add, insert or delete non-linear attribute channel information:

Step 1. As shown in **Figure 13**, select a channel from the Channel pulldown menu.

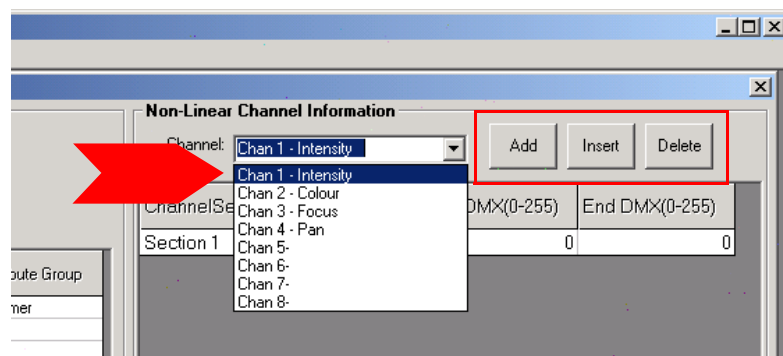
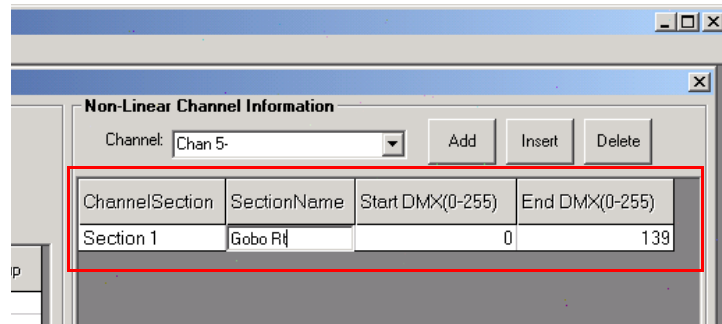


Figure 13: Non-Linear Attributes - Add, Delete, or Insert Channel Information

Step 2. Select "Add", "Insert" or "Delete" to create the total number of steps needed for the selected channel

### Section Name, Start DMX, and End DMX Settings

Sections are the steps that are available within the attribute. This could be, for example, gobo slots on a gobo wheel.



**Figure 14: Section Name, Start DMX, and End DMX Settings**

- Use the Section Name to apply the gobo name.
- Insert the Starting DMX address to activate the selected step or section.
- Insert the Ending DMX address to finish the selected step or section.

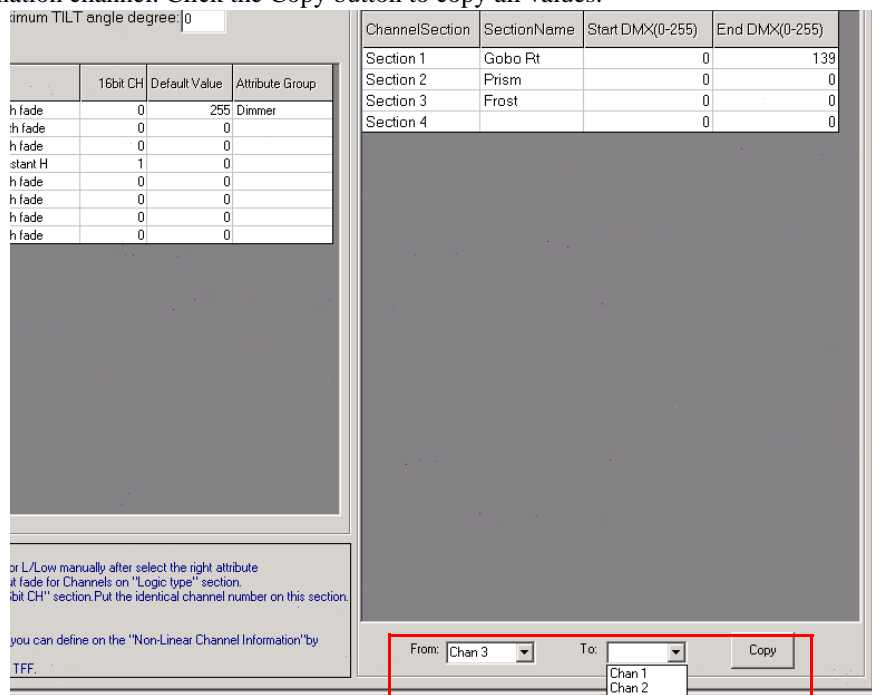


**Note:** All DMX values have to be unique and appear in only one step or section.

### Copy Function

The Copy function allows you to copy all section settings from one channel to another.

The From channel is the channel that has the content created. The To channel is the channel receiving the existing data or the destination channel. Click the Copy button to copy all values.



**Figure 15: Section Name, Start DMX, and End DMX Settings**

When all parameters are set, select File and Save Fixture to store your created fixture in your fixture library on a hard drive or USB drive. Now try it out on your console and enjoy the intelligent fixture control that has just been built!



**WARNING!** You must save your work before exiting the program. *You will not be prompted to save your work.* If you exit before you save your new fixture library, you file will not be saved.

## Notes

# TECHNICAL SUPPORT

## GLOBAL 24HR TECHNICAL SUPPORT:

Call: +1 214 647 7880

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## NORTH AMERICA SUPPORT:

Call: 877-VARI-LITE (877-827-4583)

[entertainment.service@signify.com](mailto:entertainment.service@signify.com)

## EUROPEAN CUSTOMER SERVICE CENTER:

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