

# Singing Christmas Tree Family

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## An Installation Guide



Updated 8/6/14

Unpack the contents from the boxes.

Ensure that you have all of the items that you ordered.

The Singing Tree Family products should come with the following:

- Trees (1 or more depending on your order) - these are normally in 4 sections, prewrapped
- Faces
  - \* Eyes (2 separate for each tree)
  - \* Mouth (1 set for each tree)
- Tree topper (usually a star, 1 each tree)
- Set of wire harnesses (wire extensions for each tree)
- Ornaments (the Orb product)
  - \* Comes with 2 backbone harnesses
  - \* Extensions that connect harness to harness and tree to tree
- Light controllers (LC-16)

Please perform all assembly instruction steps with the power disconnected!

Step 1: Place the sections of tree together to form a whole. Stack them starting with the largest section on bottom (duh!). The separate pieces should be held together using cable ties.



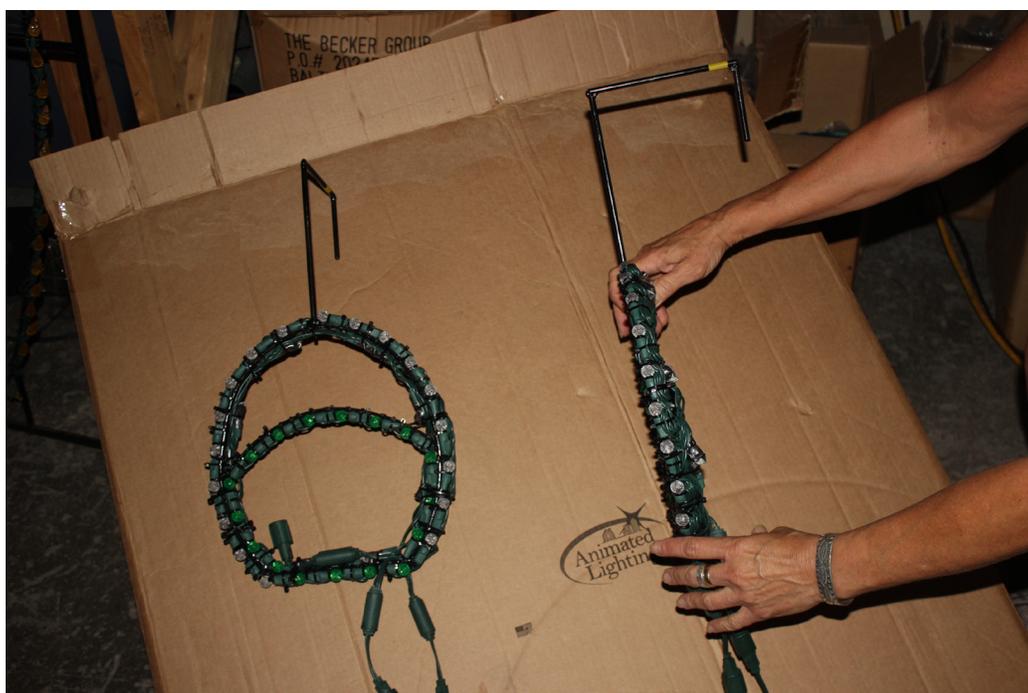
Step 2: Add the star topper to the top of the tree. The **stem** of the star seats down into a metal **sleeve** that is part of the tree's top section frame.



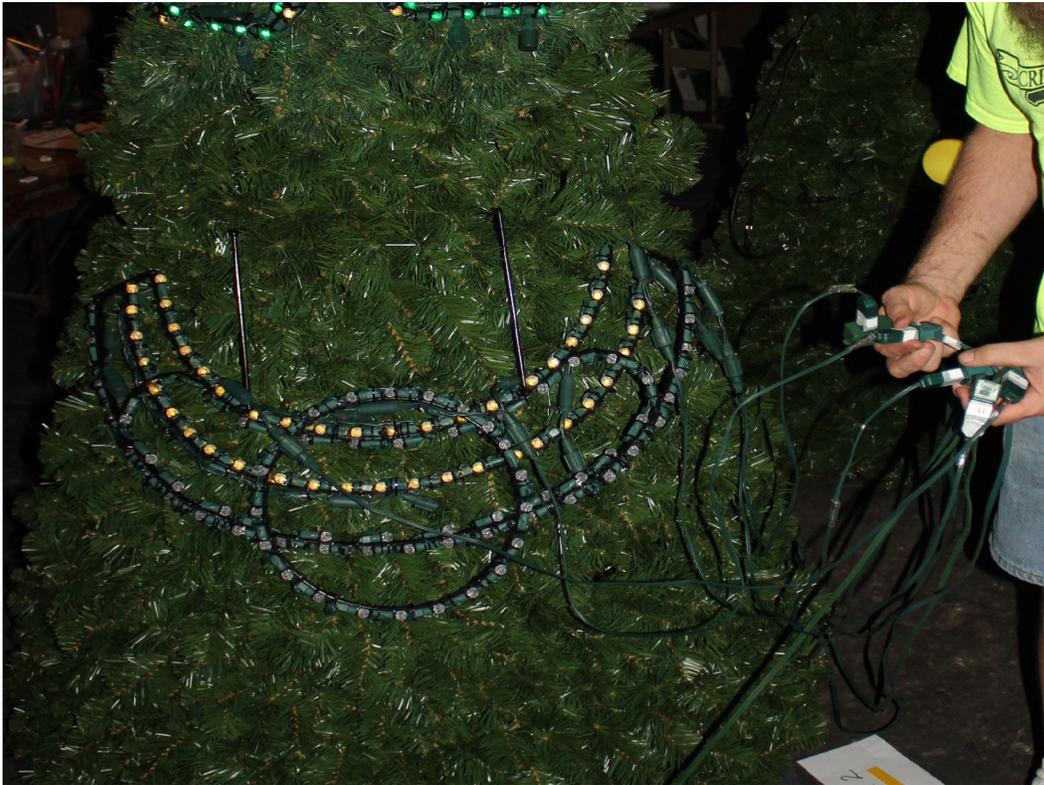
Step 3: The Star can now be plugged into the light controller. If the cable on the star is not long enough to reach the light controller (LC-16), look through your bag of extension cables and locate the extension cable labeled correctly for the channel. If you need to reference the channel map, one can be found on the last page of this manual.



Step 4: Place the face on the tree where you feel it looks best. Each eye and the set of mouths have hooks for mounting, but cable ties can be used to secure the face parts.



Step 5: Connect the wire extensions (if available) or extension cables to the face parts and then run the wires through the tree so that all cables travel through the tree and come out the back.



Step 6: Plug all of the face channels into the light controller (LC-16). Refer to the back of this manual for a channel map. At this point, the face for the first tree is finished. If you have more than one tree, go ahead and assemble them, put the faces and star topper on and plug them into the light controller.

If you purchased ORBs for your Singing Christmas trees, continue to the next section.

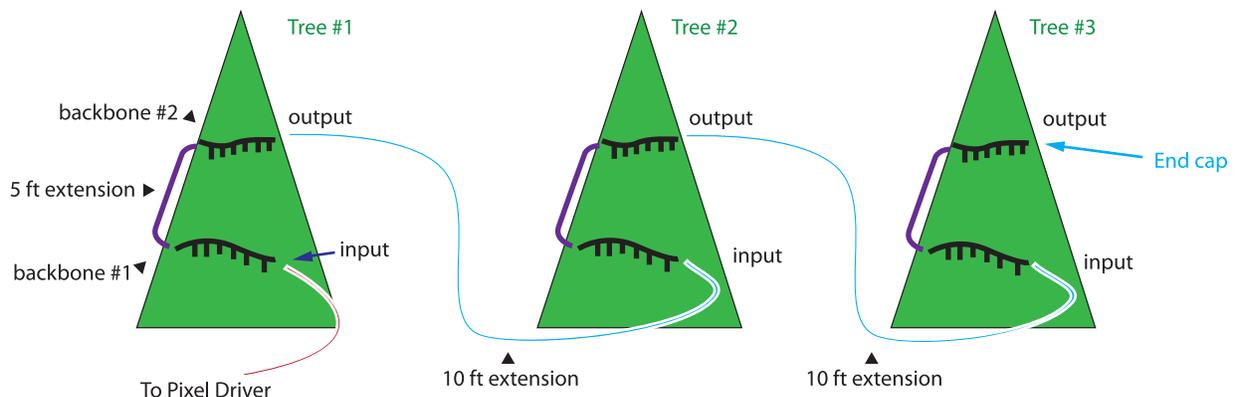


Step 7: Attach the backbones for the ORBs to the trees with cable ties (like the black cable in the picture below). There should be (2) different backbones, each with (6) open spots for connecting Orbs, (1) input and (1) output. The input is a male connector and all the others are female.

If not already done, connect the first harness with the second by placing a 5 ft long extension between the female output on the first backbone and the male input on the second. On the backside of the tree, run one backbone across the lower section, then run the second across the top.

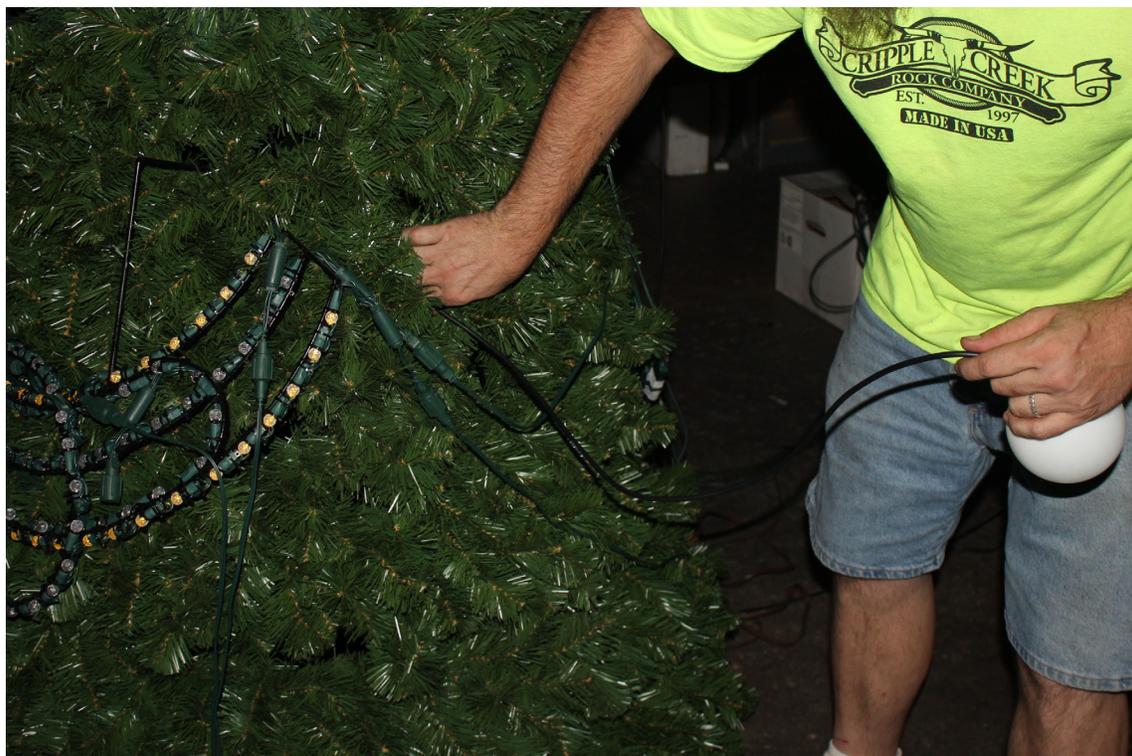


For more than one tree: Once you have both backbones in place on all trees, designate one of the trees (on one end) tree #1. The ORBs on tree #1 will connect directly to the female connector coming from the Pixel Driver controller. The female output on tree #1 will connect to the male input on tree #2 via a 10 ft extension cable. The female output on tree #2 will connect to the male input on tree #3. The female output on tree #3 will get an end cap to prevent moisture from causing any damage to the string.



Step 8: Place the ORBs on the tree. As you put the ORBs in the tree, plug them into the backbone secured on the back. It is best practice to plug the ORBs into the backbone in the order that they are traveling up and down the tree.

For example, place your first ORB near the bottom of the tree, run the wire through the tree so that it comes out the back somewhere near the backbone. Plug that cable into the first female connector on the backbone closest to the Pixel Driver input. The next ORB will be mounted slightly higher on the tree and it will take up the second position on the backbone and so on until you have all (12) ORBs installed. The 12th ORB would be the highest ORB on the tree. Do the same for the remaining trees.



Step 9: Configure your light controller(s) and Pixel Driver. The light controllers should be set to address [1 6] for trees 1 and 2 and [1 7] for trees 3 and 4.



*Controller for  
Trees 1 and 2*



*Controller for  
Trees 3 and 4*

*Be sure to RESET the light controller for the changes to take effect*

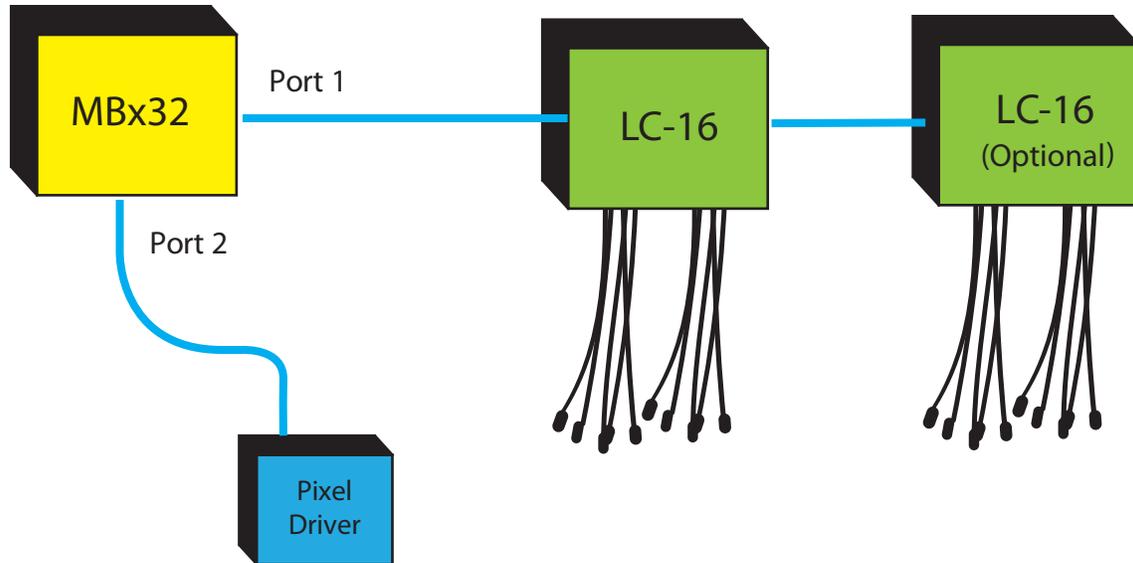
For 2013 model pixel drivers, set the switches like this:



For newer pixel driver models, set the switches like this:



Step 10: Network the controllers together. Connect the controllers according to this diagram.



Step 11: Plug the Light Controllers and the Pixel Driver into power.

Step 12: Plug MonsterBrain (MBx32) into power. (ALWAYS PLUG THE MBx32 IN LAST! The show will not play correctly if everything is powered on at the same time.)

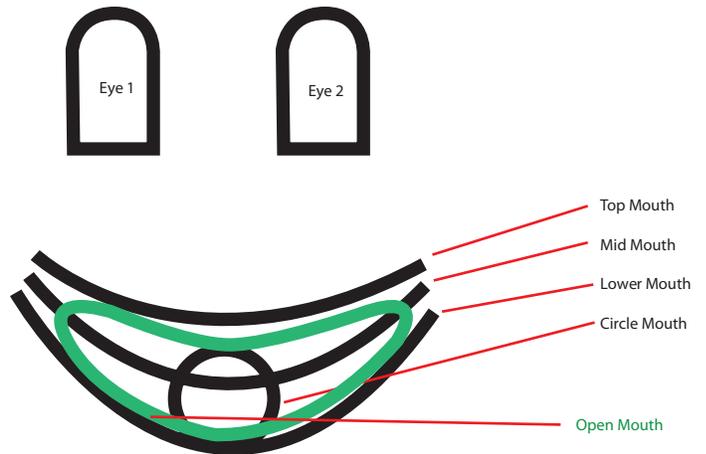
Step 13: Set back and watch the show!

If you experience any issues, please contact us at [support@animatedlighting.com](mailto:support@animatedlighting.com)

Channel Map:

Controller [1 6]

Ch	Description
0	Tree 1 - Star Topper
1	Tree 1 - Eye 1
2	Tree 1 - Eye 2
3	Tree 1 - Top Mouth
4	Tree 1 - Mid Mouth
5	Tree 1 - Lower Mouth
6	Tree 1 - Open Mouth
7	Tree 1 - Circle Mouth
8	Tree 2 - Star Topper
9	Tree 2 - Eye 1
10	Tree 2 - Eye 2
11	Tree 2 - Top Mouth
12	Tree 2 - Mid Mouth
13	Tree 2 - Lower Mouth
14	Tree 2 - Open Mouth
15	Tree 2 - Circle Mouth



Controller [1 7]

Ch	Description
0	Tree 3 - Star Topper
1	Tree 3 - Eye 1
2	Tree 3 - Eye 2
3	Tree 3 - Top Mouth
4	Tree 3 - Mid Mouth
5	Tree 3 - Lower Mouth
6	Tree 3 - Open Mouth
7	Tree 3 - Circle Mouth
8	Tree 4 - Star Topper
9	Tree 4 - Eye 1
10	Tree 4 - Eye 2
11	Tree 4 - Top Mouth
12	Tree 4 - Mid Mouth
13	Tree 4 - Lower Mouth
14	Tree 4 - Open Mouth
15	Tree 4 - Circle Mouth