



BabyGoat Mini Tree Setup



Each Kit includes: 1x steel tree ring (360 or 180), 1x BabyGoat Topper, 1x 3D-printed bushing to secure your center pole inside your base, 24x (or 48x) zippy seedlinks, 2x ¼" socket self-tapping screws, 24x (or 48x) 6" zip ties, and 2x (or 4x) 240 ct 2" spaced seed pixel strings. **YOU MUST PURCHASE ½" diameter EMT from your local HW store for your center pole.** It is recommended to purchase in 10' lengths and cut your EMT sections accordingly.

1. It is recommended to complete the initial setup on a flat, level surface. The finished mini tree will be 24 strands (or 48 strands for a 360), containing 20 pixels on each strand. Start by cutting a 45" length of ½" emt. If not adding a star, you can cut your emt to 40". Make sure each end is free of burrs before placing your EMT into the base ring. Insert the 3D-printed bushing into the base ring collar, then slide your ½" emt into the bushing. Be sure your center pole is firmly sunk all the way into the base ring.

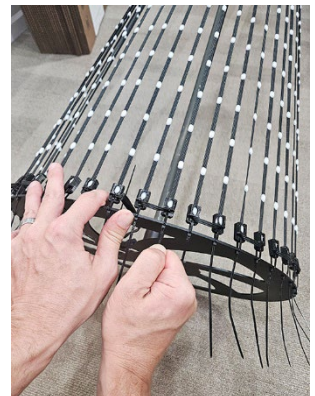


2. It is important to precisely measure the proper height of your topper to allow correct tensioning of each seed strand. **The BabyGoat topper set screws should be drilled 39" above ground level.** Slide your topper over your emt and secure the topper with the included self-tapping screws.



3. You will need to add a SeedLink clip to each bottom pixel. You will start with the male xConnect end (pixel #1) and fasten a seedlink to it. Make sure the zip tie slot is facing down towards the floor when attaching each seedlink, as this is where your zip tie will attach the seed to the base ring. Simply turn the seed sideways, push through the seed slot firmly, then rotate the wire back so the seed faces flat.

4. Loop a zip tie through the SeedLink and **LOOSELY** secure strand to the base ring. **DO NOT TIGHTEN OR CUT YOUR ZIP TIES YET!** Now count 20 seed pixels up and secure #20 to the topper by simply turning the wire sideways and locking it into the topper so that the seed pixel rests on top of the topper. Now secure the adjacent seed (pixel #21) counter-clockwise from it and run the strand back down. Pay special attention to the face of your seed pixels. Do not allow twisting of your strand, as you will want each seed to be facing outward (the backside of a seed pixel does not emit as much light). Do not worry if your strands appear inconsistent at this point, we will straighten out your strands only once we have secured all strands and we have applied equal tension to each strand.



5. At the bottom of each "jump", fold the wire over itself on to the next pixel (as pictured above), secure the neighboring seedlink with a zip tie, then repeat the entire process back up to the top. Once all strands are in place, it is time to begin tightening your zip ties. Just like a guitar, tightening one string has an effect on all other strings, so its very important that you gradually tighten each strand by hand before cranking them down for the final tension. **NOTE: for 180 trees, a slight bending of your center pole will occur- this is normal and will not effect the appearance of your tree during your show.** For 360 trees, it is recommended to alternate the tension on each side to even the tension load on the center pole. Remember, just like tuning a guitar, you will need to retighten each strand after your initial tensions have been set. Use a zip gun (optional) to apply the final tension on each strand and cut the excess length from each zip tie.

***** xLights model settings located on the back!*****

6. You've now completed your babygoat mini tree. Now you can begin manually straightening out each strand by applying small adjustments by hand - twisting in the opposite direction where needed. You may also want to secure your pigtails to the crossbars of the base ring. This can help prevent putting accidental stress on your seed pixel strands.
7. Your tree can now be placed in its viewing location. 6" garden staples will work for most applications. Optionally, you can drive ½" rebar in the ground and slide the entire mini tree assembly over the top. In the off-season, you may choose to store your trees as-is, or disassemble them for convenient storage. Due to the necessity of tension on each strand, you will need to cut all zip ties and attach new ones each year.



The BabyGoat Mini Tree uses the native Tree model featured in xLights. Please use the following settings for a 180 degree tree. If going 360, you will use 360 degree value and 4 strings instead of 2. Our suggestion is to use 2 separate controller ports, one for each string of 240 if not power injecting. If adding a 50 pixel star, you can simply add the star to the end of your 2nd strand by using a 3' xConnect extension, secured with zip ties to your center pole.

xLights Model Setup, using 2 ports – 240 pixels per port.

Name	Mini Tree - Baby Billy 1
Type	Round
Degrees	180 (360)
Rotation	3
Spiral Wraps	0
Bottom/Top Ratio	6
Perspective	2
Alternate Nodes	<input type="checkbox"/>
Strand Direction	Vertical
# Strings	2 (4)
Nodes/String	240
Strands/String	12
Starting Location	Bottom Left
Controller	FALCON 7 LINDEN
Indiv Start Chans	<input type="checkbox"/>
Start Channel	!FALCON 7 LINDEN:3301
Model Chain	Beginning