

# DeepStream Designs

[www.DeepStreamDesigns.com](http://www.DeepStreamDesigns.com)

## PLANTER BOX ASSEMBLY INSTRUCTIONS

### Assembling the Planter Box:

- **What you Need:** Screwdriver with #3 & #1 Phillips bit, 7/16" wrench or adjustable wrench or pliers. We provide the required 1/8" Allen key bit and Allen key with your planter.
- Assembly time is just 10 – 20 minutes using the supplied Allen key bit, if you have an electric screwdriver, highly recommended, with a magnetic holder for 1/4" shank.
- Open the end of the box and remove the metal liner supports and/or the smaller boxes containing the end planks as you slide the planter sides out. Be sure to locate the Ziplock containing the Allen key, nuts and bolts and bit taped to these parts before discarding the packing material. If you ordered a drain kit, look for these parts as well.
- If you ordered a **Zephyr**, the end planks will already be attached in finished panels that are packed face to face inside cardboard to prevent the aluminum inserts from falling out. These panels will only be marked L&R not L-1-4 or R 1-4.
- Carefully pull the planter sides out of the box onto a piece of cardboard at least as big as the box, or onto a carpeted floor or similar soft material like a towel to prevent scratching. Separate the pieces.
- Lay the long side panel marked A on the floor with face down and with the open back of the aluminum channels up and the feet towards you. If you have ordered a drain kit, this is the time to fasten the stainless steel hose clip to this side where the holes have been predrilled and 5/8" stainless steel #10 screws inserted, use the #1 Phillips head bit here.
- Using a #3 Phillips head screwdriver and the 1/8-inch Allen key or Allen screwdriver bit included in the shipment, back out the fasteners from the empty side of the leg channels until they just clear the channel, but do not fall out of the outer fin.

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- **Do not remove the sticky coating on the fasteners;** this is a special anti-galvanic paste that will prevent the stainless steel fastener from corroding to the aluminum.
- Place the planks marked L 1-4, or 1-5 for a deep planter, on the side marked L.

It is very important that you do not remove the plastic washer from the screw head or overdrive any of the set screw fasteners, or you will dimple the outside of the leg. If you are using an electric screwdriver, set the torsion adjustment to 3 or 4 from the lightest setting at first and hand drive the final couple of turns until the set screw is just flush with the surface.

- Starting with the plank marked L 1, place it into the aluminum channel closest to the grey foot so that the wood profile fits the channel and the fastener hole in each line up. Re-drive the fastener flush with the surface. If you find it hard to drive the screw, the hole is not lined up, so do not force it or you will strip the head.
- Depending on the humidity, you may need to tap lightly on the side planks with a non-marking rubber or plastic mallet, or some soft object like a hardbound book to assist lining up the ends so that the short top wood planks are flush with the top of the aluminum leg. Great force should not be needed. If you still meet resistance, wait until all sides are attached and at least the R1 and L1 plank screws are in place and gently rotate the planter to its feet. Now press down on the planks from above until the top plank is flush with the top of the aluminum leg. The holes should now line up. The long Allen key shank can be used in the hole to assist determining alignment.
- **If you have a Zephyr** model, follow the same instructions, taking care not to stress the screws holding the retaining strap as you move the side. If an aluminum Zephyr band slips out, simply reinsert it before attaching the next side or screwing in the fasteners. They are all cut at the same time and are the same length, so don't worry if they get mixed up.
- Continue with each plank until the A side is complete, noting that not every plank has a fastener hole. Repeat with the side marked R.
- Now, starting at the grey feet again, simply place the other long side on top of the two short end sides you just installed taking care to line up the slots on the legs with the ends of the sides sticking up. You may want to have a second person help you with this. **Watch your fingers as you put it in place!** Hold the side you are placing on top by

the sides or the top and the bottom, *never place fingers between planks and the leg channel or they will get pinched when the side drops into place!*

- Now drive the remaining fasteners flush and set the planter on its feet.

## Attaching the Planter Support Straps

Remove the 4 Phillips head machine screws on the leg fin attached to the long side; remove the plastic washers, and then refasten the machine screws through the holes in the short aluminum cross straps as detailed below.

The cross straps have ends bent at 90 degrees and go between the two long sides, parallel to the short end of the planter, with the bends down and holes up. When you do this, the thickness of the aluminum strap replaces the plastic washers so you may discard them.

These cross straps are not quite long enough to touch both sides; this creates a stretching effect on the cross piece which prevents sagging when the planter liner and dirt are added later. When tightening the screws, start both first and then alternate tightening them to allow each screw to be screwed in about the same amount when tight. Take care not to over-tighten and strip the screw heads.

Now simply place the short screws with nuts through the long aluminum straps and place through the holes on the side support straps. Finish by tightening the nut.

**72" models:** There will be an extra short support strap and pre-drilled holes in the middle of the bottom plank with attachment screws in place. Install this support last underneath the long straps.

## Trellis Option

The trellis option can be used with regular planter liners, which will be notched to allow for the trellis holder. If you plan to use the reservoir liners, the planter box must be built slightly longer to allow for the trellis holder. The Trellis support bars are installed using the Phillips heads screws supplied to replace the set screws in the top holes on the end side of the leg and the next holes down.

**If you have any questions, contact us at: 305-857-0466**