



CinemaShop.com Fiber Optic Star Ceiling Systems CineStarPanel™ RGBW Star Panels

Welcome the starry night above with your new starfield ceiling from the CinemaShop®
Your system will include the following:

- Acoustic fiber optic star panel(s) with control board, fiber collar and inserted fiber optic stars built into each panel.
- Standard Rotofast® ceiling anchors – 6 per panel (none included with drop-ceiling panels).
- 10 feet low voltage RJ45 ended CAT5 jumper cable – one for each additional panel to connect to the initial one.
- Hex key tool for Rotofast® ceiling anchors.
- Poker tool – awl to poke mounting points on the ceiling and to reinsert fibers.
- Moly drywall screw anchors for the Rotofast® ceiling anchors.
- 1" spacers for above each Rotofast® (extra 1" spacers sent if accent lighting is on top of the perimeter for 2" clearance) Spacers are used to provide additional room on top for wiring, such as the RJ45/CAT5 jumper cables provided.
- 12V @ 90 WATTS Power Transformer (average 27 panels) | 24V@90WATTS (average 27 panels).
Note: Sometimes there will be more than one lead wire and sometimes the wire(s) will already be attached to the Power Transformer.

What you need to provide:

- Switchable AC outlet for our 3-prong power transformer cord, preferably near the AV components in home theaters.
- One Cat5 or Cat5e (not Cat6/7) wire run for each system and one additional Cat5 for 2 shooting stars and 3 - Cat5 wires for 3 shooting stars. Pre-wire this from where you're plugging our power transformer into a switchable AC outlet.
- 4 conductor flex wire (22 gauge or thicker) **needed only if selecting our LED accent lighting option**. Pre-wire this from where you're plugging our power transformer into a switchable AC outlet.

POWER SPECIFICATIONS:

Each panel draws 12/24 Volts and 1.4 Watts per starboard.

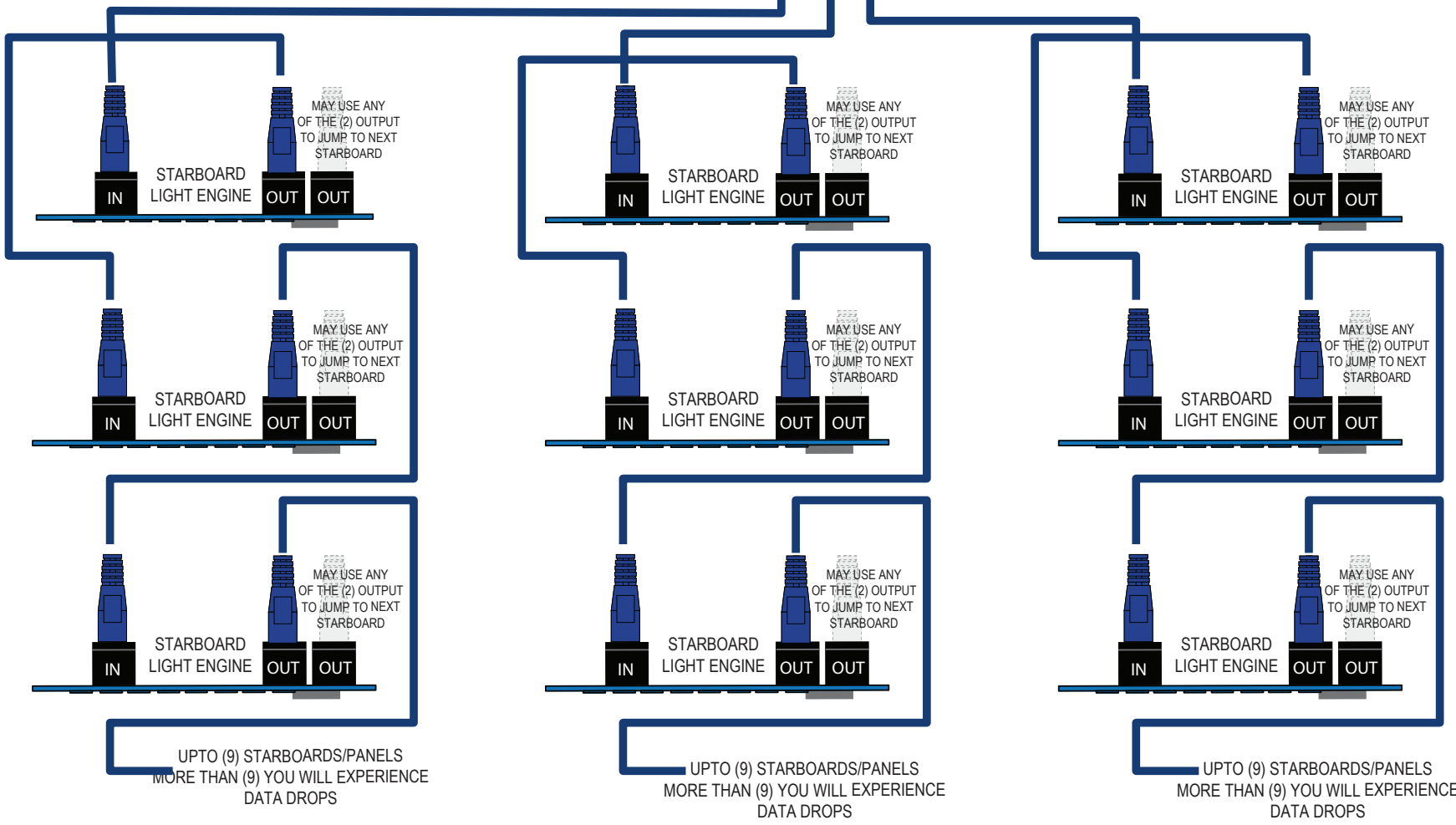
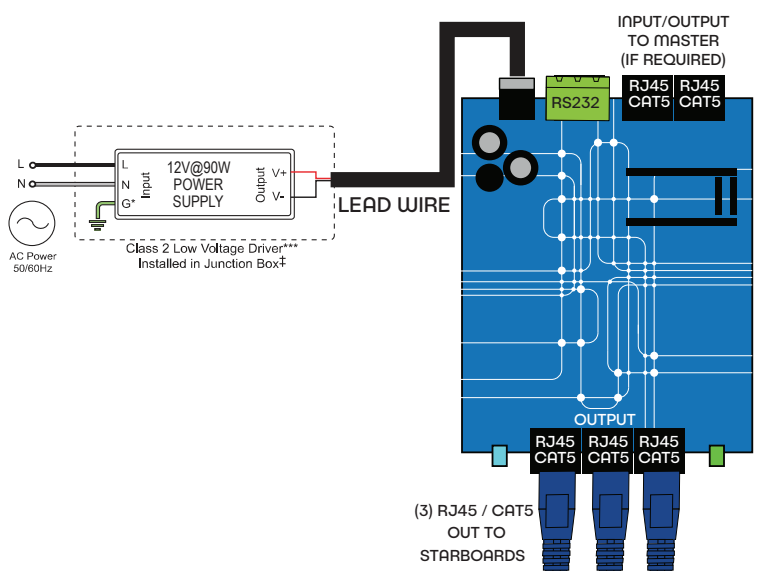
Note: Some panels will come with a shooting star which contains two (2) or (3) Star Panel Board light sources and will increase the panel power another 2.8 Watts, for a total of 4.2 Watts@ 12V/24V per panel.

POWER SPECIFICATION FOR STAR PANEL

UL Listed 12V@100W Power Transformer. which can control up to 12 star panels. If there are more panels please add a larger wattage 12 to 24V transformer with an additional Masterboard. (please see pages 4-6)

CONTROLLABLE VIA:
 BLUETOOTH OR RS232
 ANDROID OR APPLE APP (ILLUMINATE 1.0)
 ANDROID/APPLE/RS232 Switchable anytime

**WEAR LATEX GLOVES TO KEEP PANELS
 CLEAN WHILE HANDLING!**



INSTALLATION (with 2 people using a stepladder)

Square up the room. A room may look square, but it doesn't mean that it is square. Measure twice since all the panels are aligned off of the first panel. Its alignment in the room is critical. Being just a little out of square with the first panel could result in being way out of square when you get to the end of the room. Take your time squaring up the first panel. Using masking tape, pencil marks, and chalk lines will assist you in keeping the installation square and true. Locate where your first panel will be installed.

It is imperative for a successful installation to have squared your room through proper measurement. All a panels are aligned off the first unit so its placement is key to insure a successful installation.

RUNNING THE POWER:

Connect or Run the power by using one of the two options. The choices are to place Power Transformer in a remote location or place it near the star panel. The remote Power Transformer option is the preferred option due to avoiding running power cables within spaces that typically requires an electrician.

TIP: After you finish running the power and lead wires run, test every panel before it goes up by plugging lead wire to the Star panel Masterboard controller located in the near the star panels or closet room.

OPTION 1: REMOTE POWER TRANSFORMER (RECOMMENDED METHOD)

The Power Transformer has a electric prong for a power cable for the input of the line voltage. The selected outlet for powering the Power Transformer should be controlled from a remote switch or control system. Locate the Power Transformer and Master board Controller in a proper equipment area that is accessible and within 150 feet of the first star panel. At this point, connect the Power Transformer to the Master board Controller via the DC connection and run a CAT5 cable from one of the RJ45 ports on the Controller to the Star Panel Leader Slaveboard INPUT ports located on the panel and start daisy chaining the panels together using the supplied CAT 5 Jumper Cables. All CAT5 cable are 10 feet leads. Consult with a the Star Panel manufacturer if a longer CAT5 leader cable is required.

OPTION2: EMBEDDED POWER TRANSFORMER

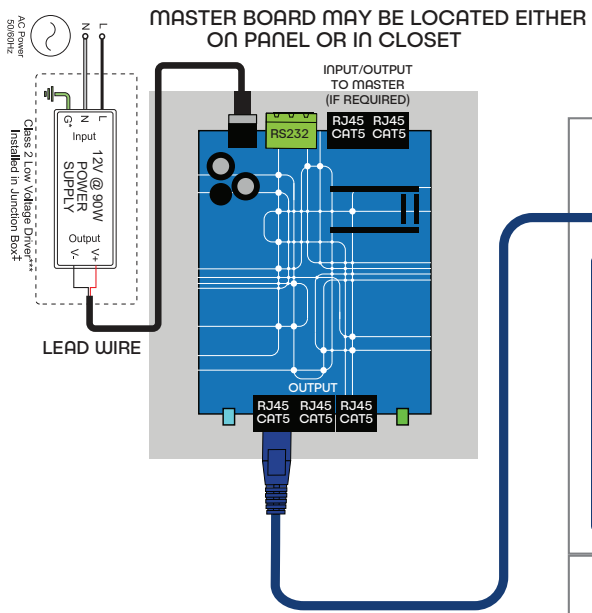
If the Power Transformer is not accessible in Closet/Electrical Room, only a licensed electrician should embed the Power Transformer into the ceiling. It may be necessary to install a Power Transformer into an approved electrical enclosure where the line voltage is already located in the ceiling and running new low voltage wire is not an option. This may be more common in existing older homes and retro fits. The Power Transformer is a line voltage device and will require access to it (according to most electrical codes); therefore, a cut out in the panel will be required to access the Power Transformer. Use the Cut Out Kit (optional) to mark and cut the panel. (Check and observe local building codes.)

TIP: After you finish installation of the Power Transformer and lead wire run, test every panel before it goes up by plugging lead wire to LED board located in the center of the panel.

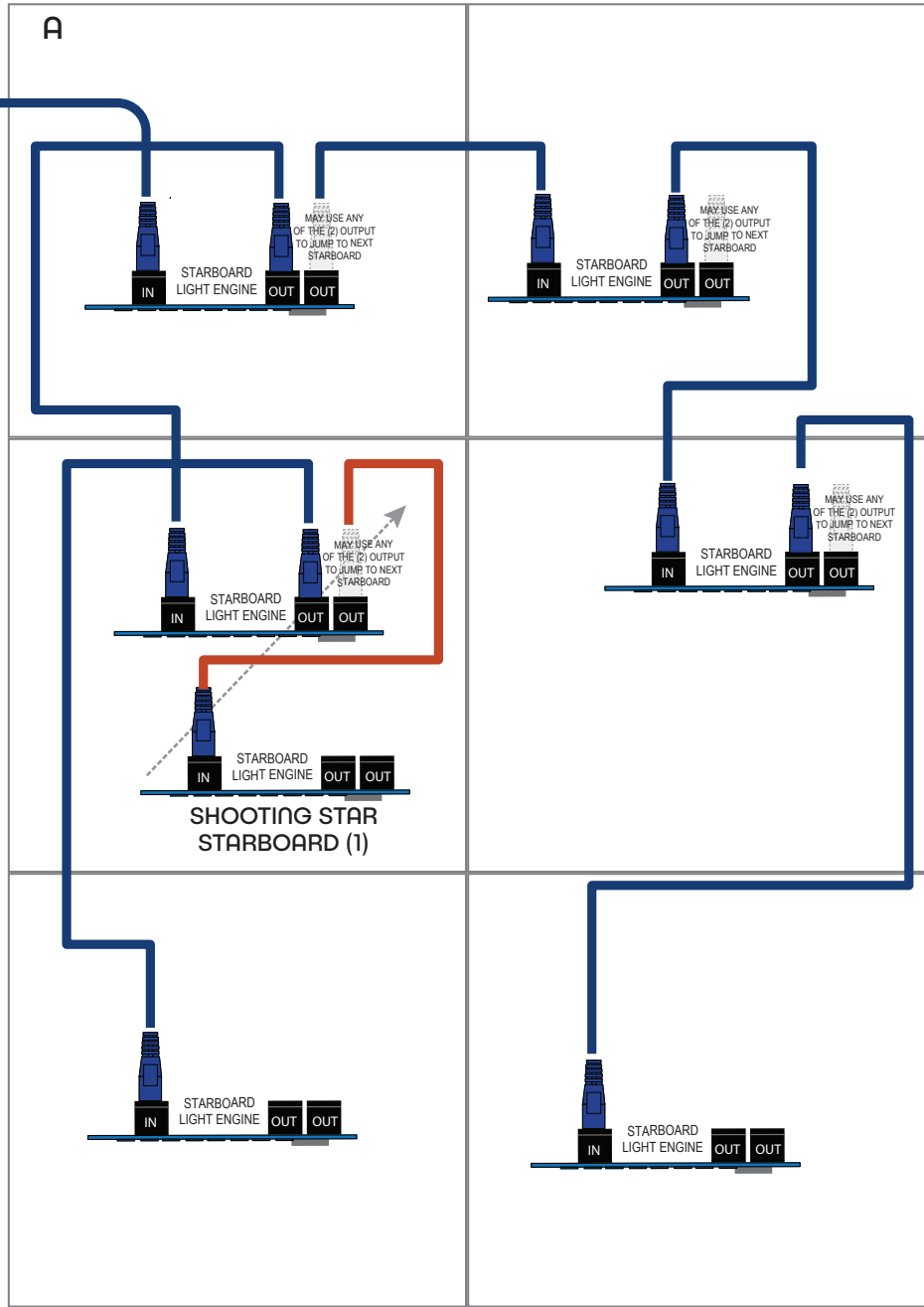
MOUNTING THE FIRST PANEL

TIP: You can use a paint brush extension (available at most hardware stores) to hold the panel in place.

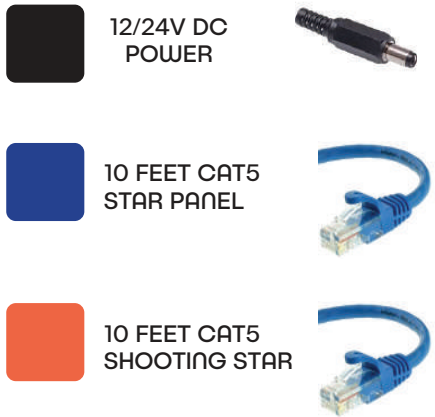
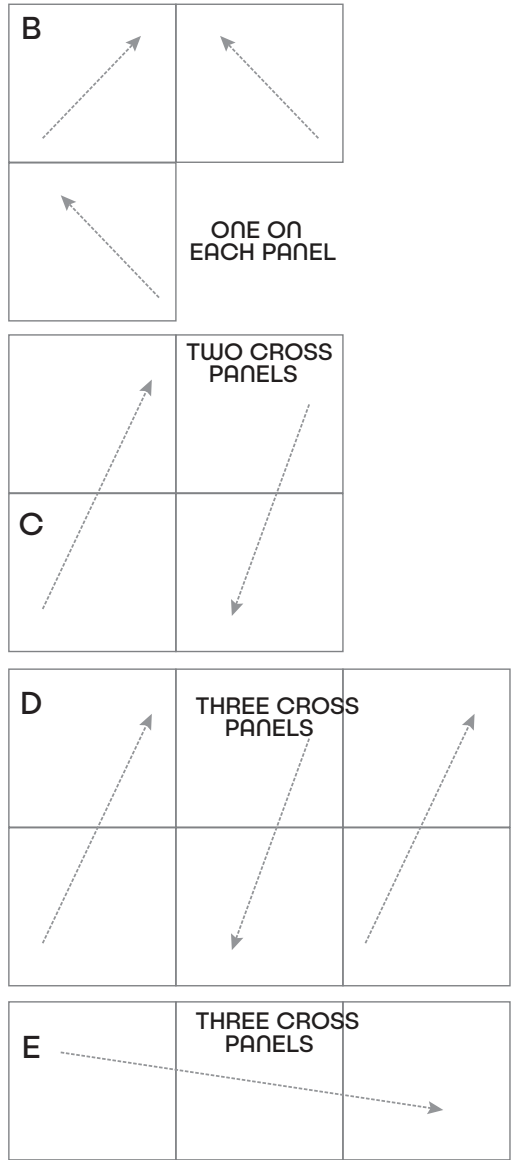
Rest the Drop in Panels into position by tilting them slightly and lifting them above the framework then letting them fall into place. When positioning the first panel, it is recommended to start from the center and work your way to the walls.



STANDARD STAR WIRING DIAGRAM W/SHOOTING STAR



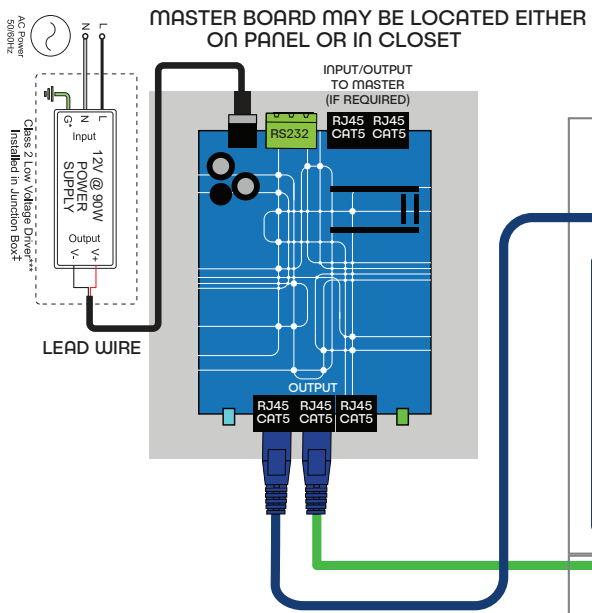
OTHER SHOOTING STAR PANEL CONFIGURATIONS



Up to 9 panels can be connected together in any configuration per lead wire. If your installation requires more than 9 panels, you will need an additional lead jumper wire and may need to add an additional Power Supply and MASTERBOARD.

BIRDS EYE VIEW

DIAGRAM BELOW IS AN EXAMPLE WIRING DIAGRAM FOR A BASIC STAR PANEL CONFIGURATION. ELEMENTS SHOWN ARE NOT TO SCALE.

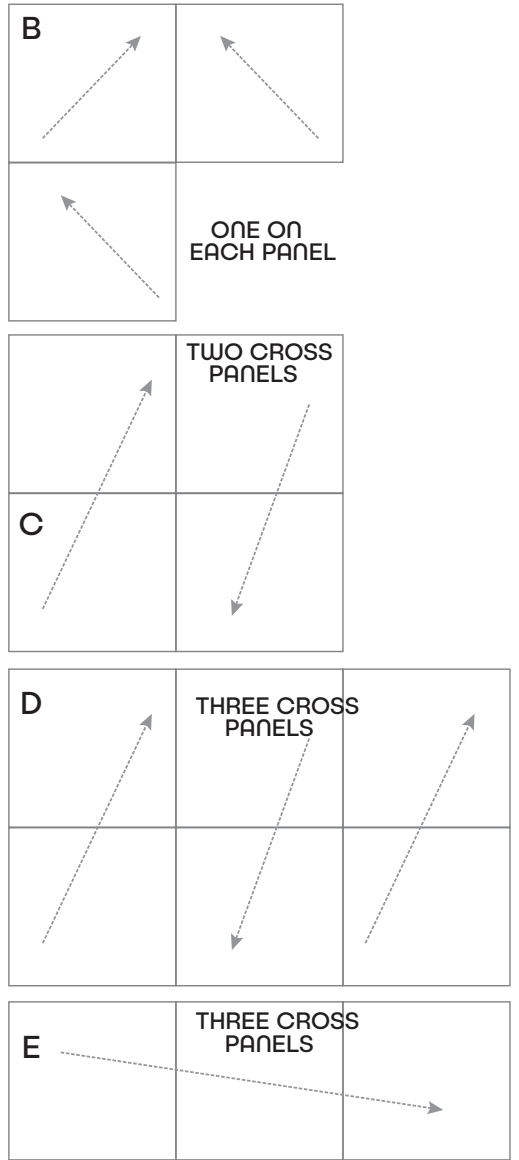
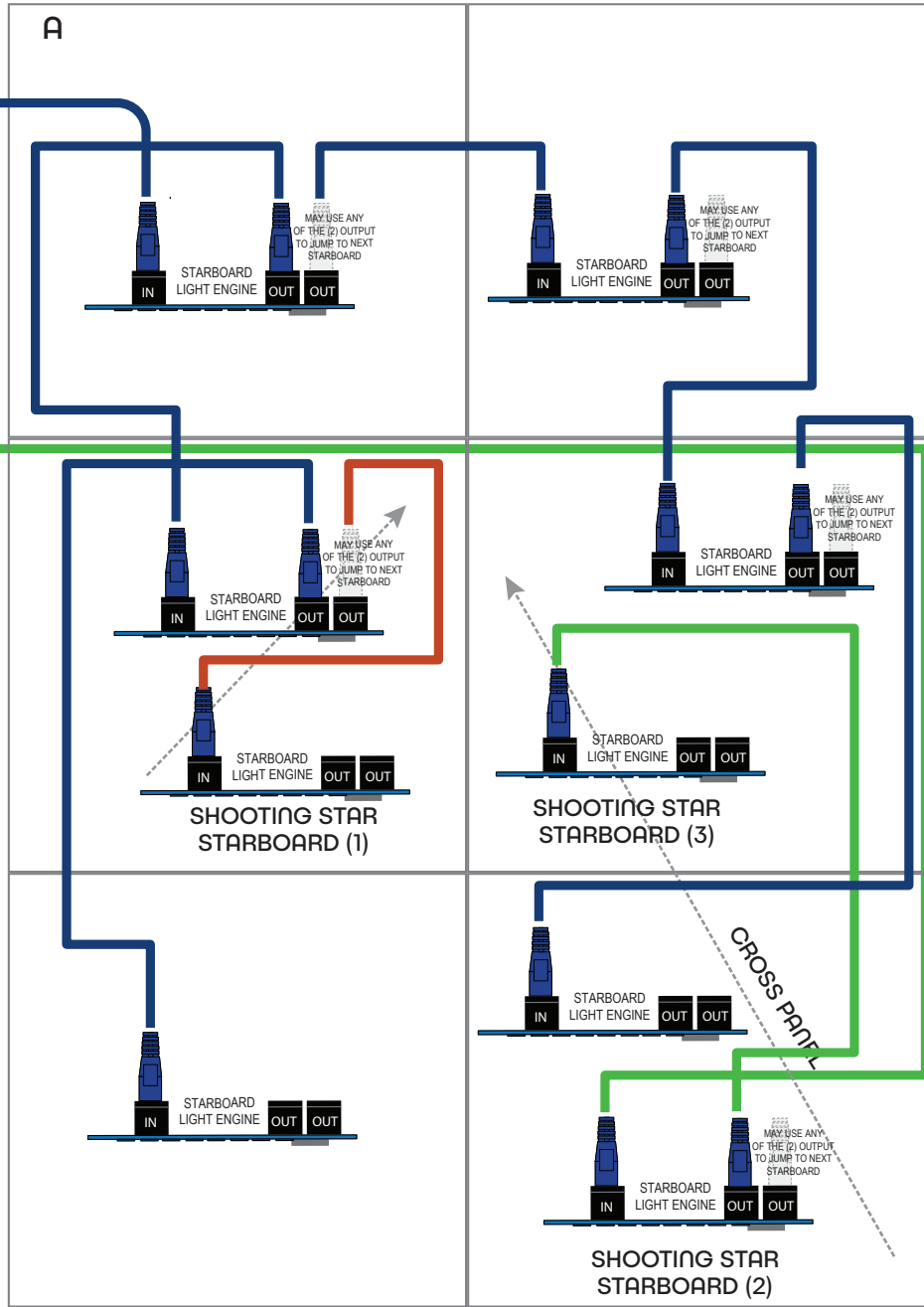


STANDARD STAR WIRING DIAGRAM W/SHOOTING STAR

OTHER SHOOTING STAR PANEL CONFIGURATIONS



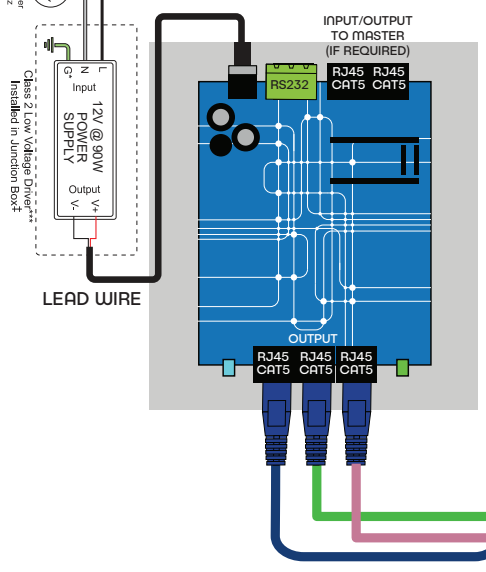
Up to 9 panels can be connected together in any configuration per lead wire. If your installation requires more than 9 panels, you will need an additional lead jumper wire and may need to add an additional Power Supply and MASTERBOARD.



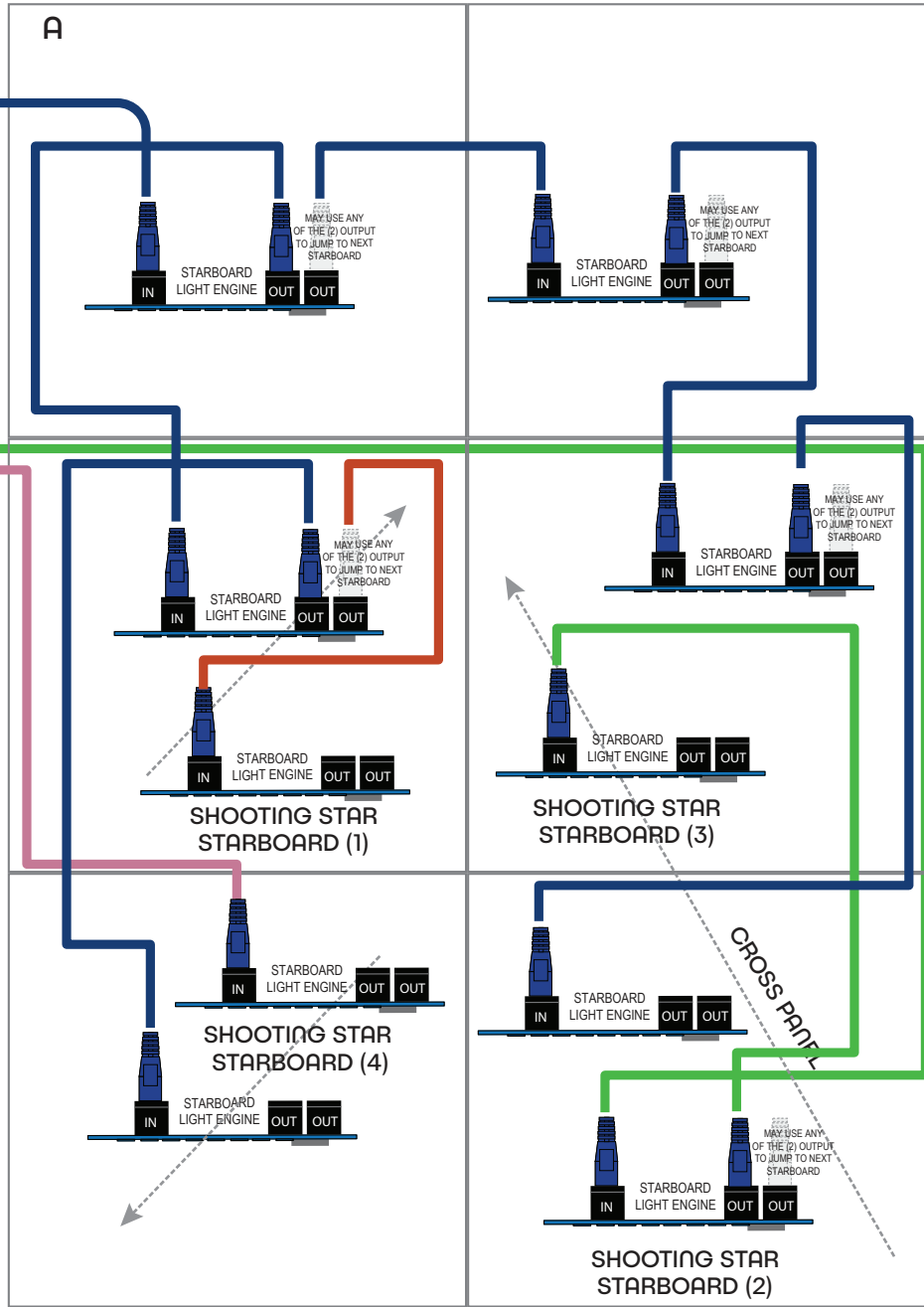
BIRDS EYE VIEW

DIAGRAM BELOW IS AN EXAMPLE WIRING DIAGRAM FOR A BASIC STAR PANEL CONFIGURATION. ELEMENTS SHOWN ARE NOT TO SCALE.

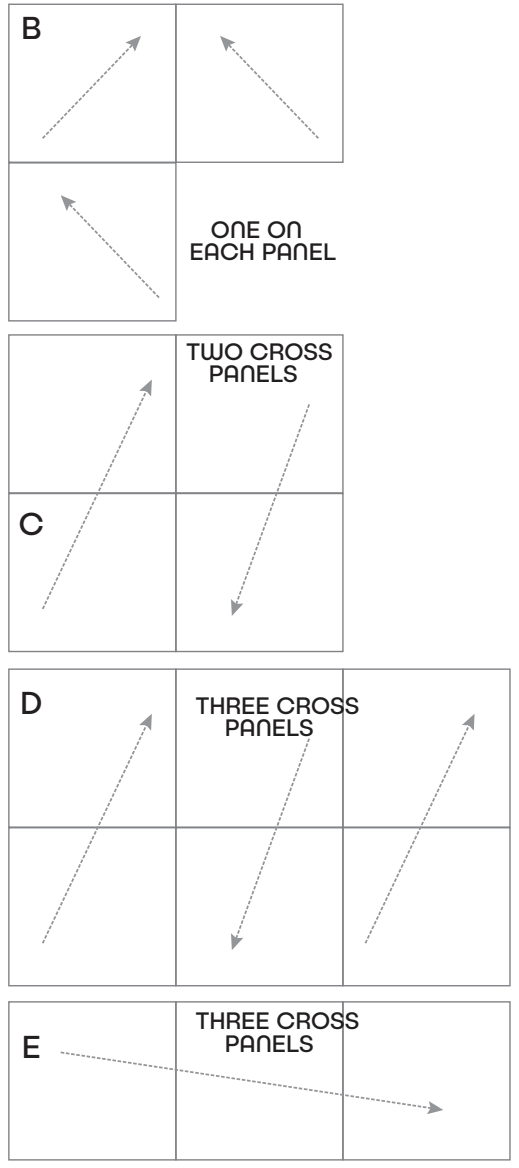
MASTER BOARD MAY BE LOCATED EITHER ON PANEL OR IN CLOSET



STANDARD STAR WIRING DIAGRAM (3) W/SHOOTING STAR



OTHER SHOOTING STAR PANEL CONFIGURATIONS



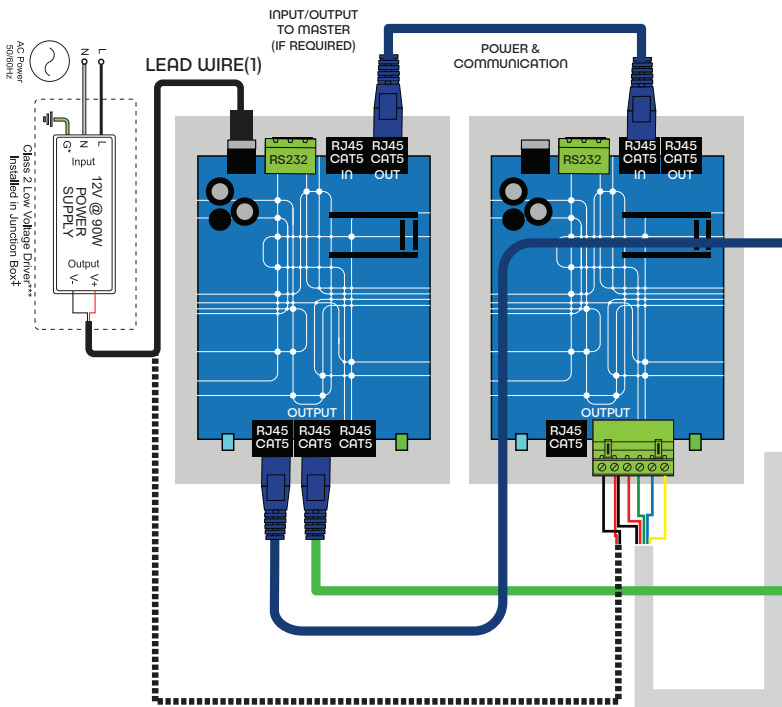
- 12/24V DC POWER
- 10 FEET CAT5 STAR PANEL
- 10 FEET CAT5 SHOOTING STAR
- 10 FEET CAT5 SHOOTING STAR
- 10 FEET CAT5 SHOOTING STAR

Up to 9 panels can be connected together in any configuration per lead wire. If your installation requires more than 9 panels, you will need an additional lead jumper wire and may need to add an additional Power Supply and MASTERBOARD.

BIRDS EYE VIEW

DIAGRAM BELOW IS AN EXAMPLE WIRING DIAGRAM FOR A BASIC STAR PANEL CONFIGURATION. ELEMENTS SHOWN ARE NOT TO SCALE.

MASTER BOARD MAY BE LOCATED EITHER ON PANEL OR IN CLOSET



STANDARD STAR WIRING DIAGRAM W/SHOOTING STAR AND RGB/RGBW PERIMETER STRIP LIGHTS FOR HALO EFFECT

LEAD RGB WIRE 2

BIRDS EYE VIEW

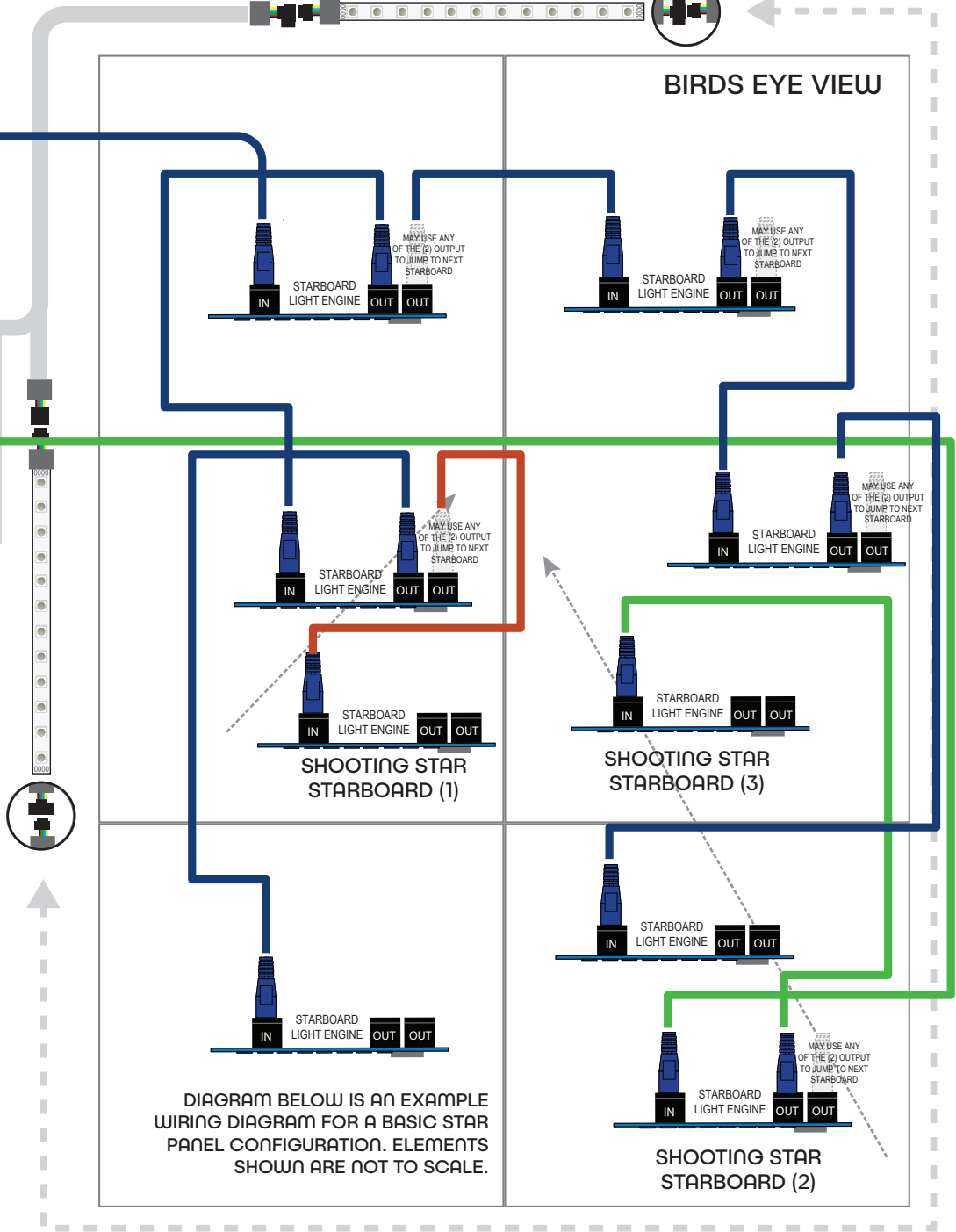
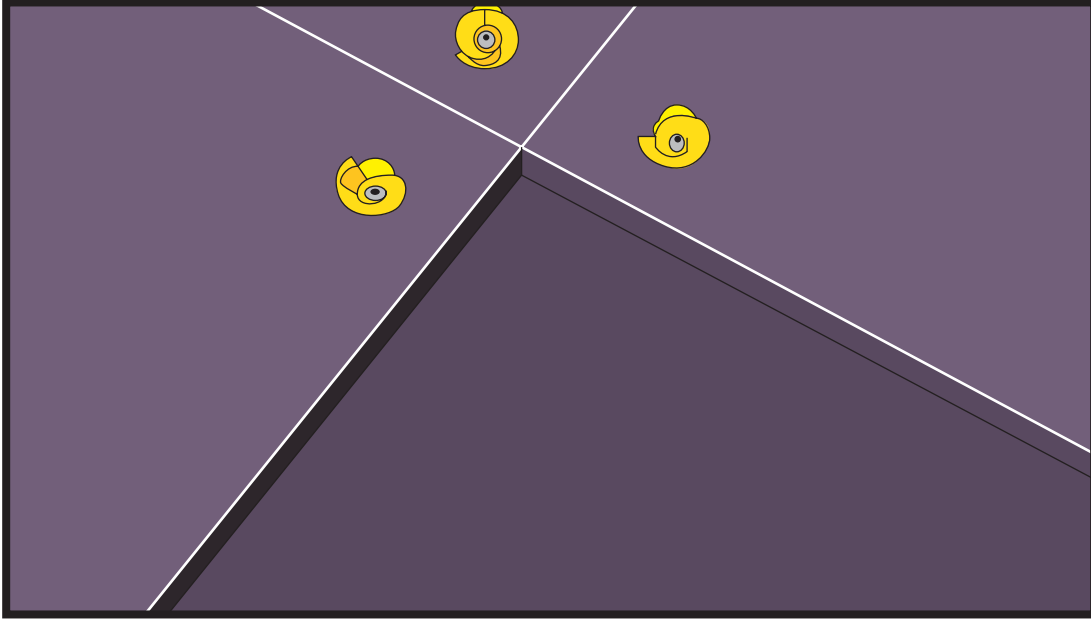


DIAGRAM BELOW IS AN EXAMPLE WIRING DIAGRAM FOR A BASIC STAR PANEL CONFIGURATION. ELEMENTS SHOWN ARE NOT TO SCALE.

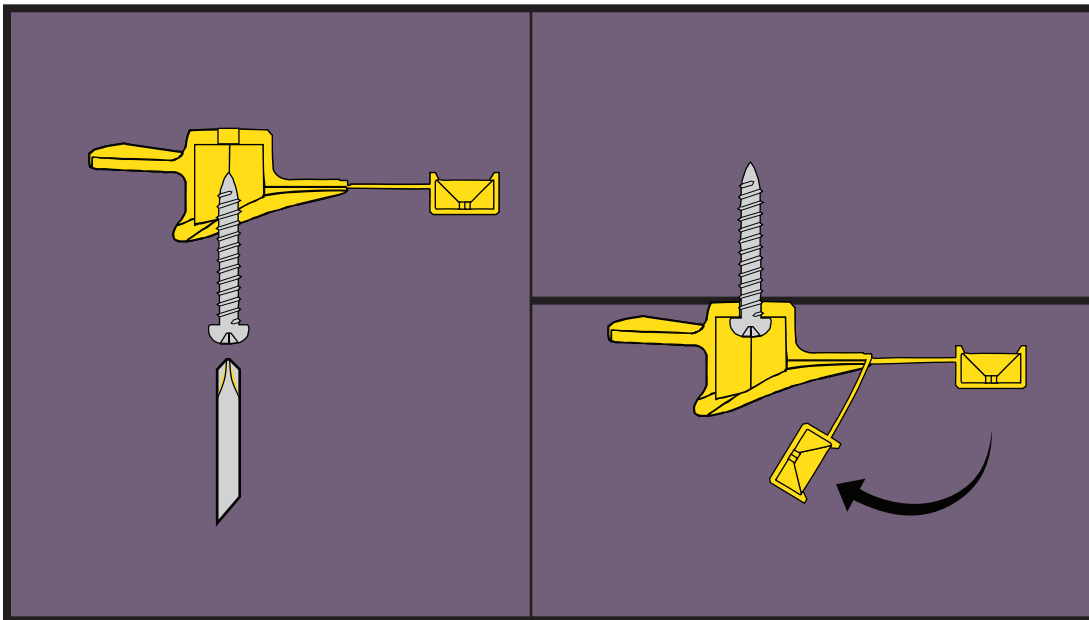
-  12/24V DC POWER 
-  10 FEET CAT5 STAR PANEL 
-  10 FEET CAT5 SHOOTING STAR 
-  10 FEET CAT5 SHOOTING STAR 
-  RGBW STRIPS LEAD WIRE 

INSTALLATION STEPS

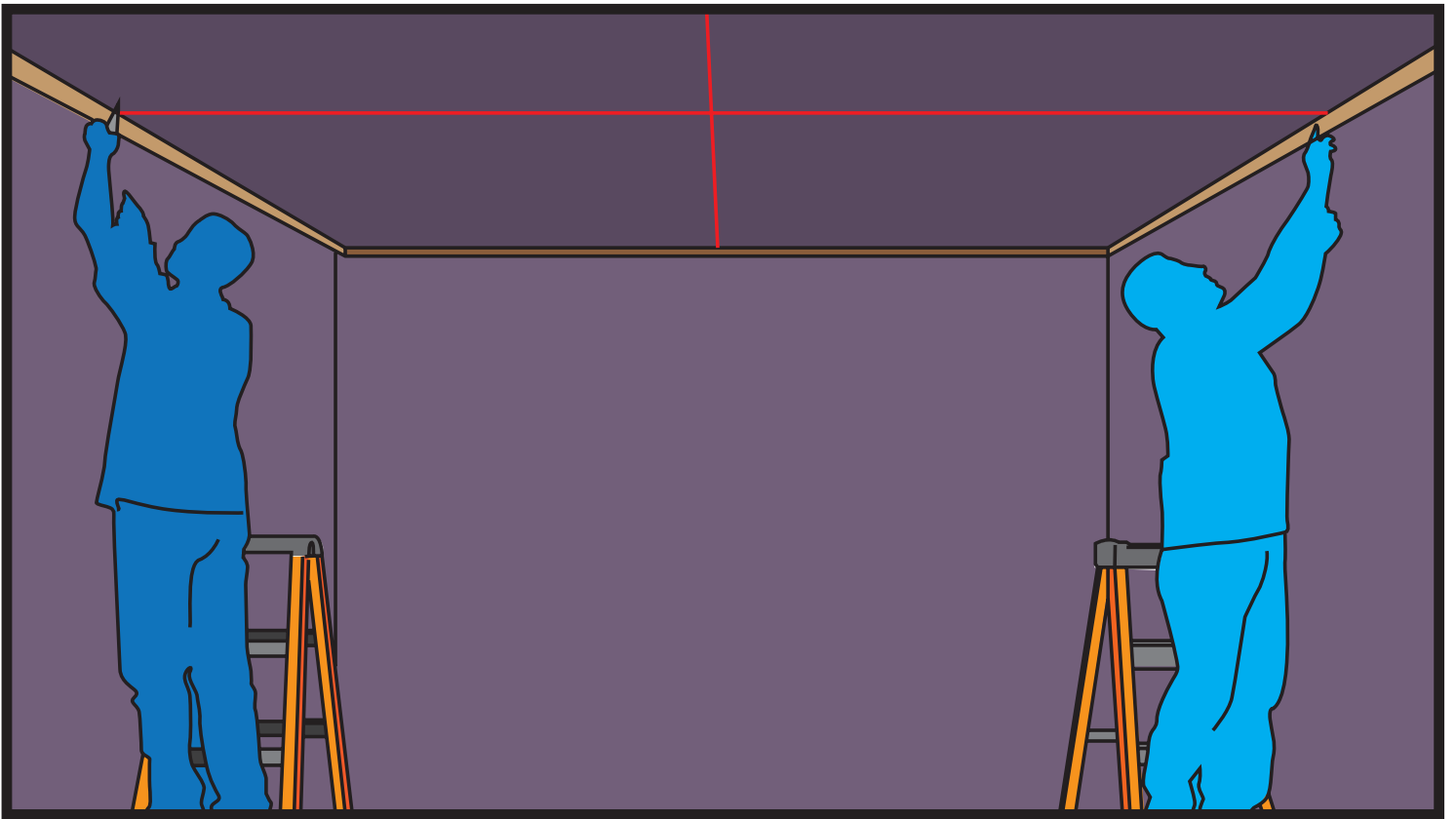
1. The most important part of installing our star ceiling panels are measuring and snapping the ceiling grid chalk lines.



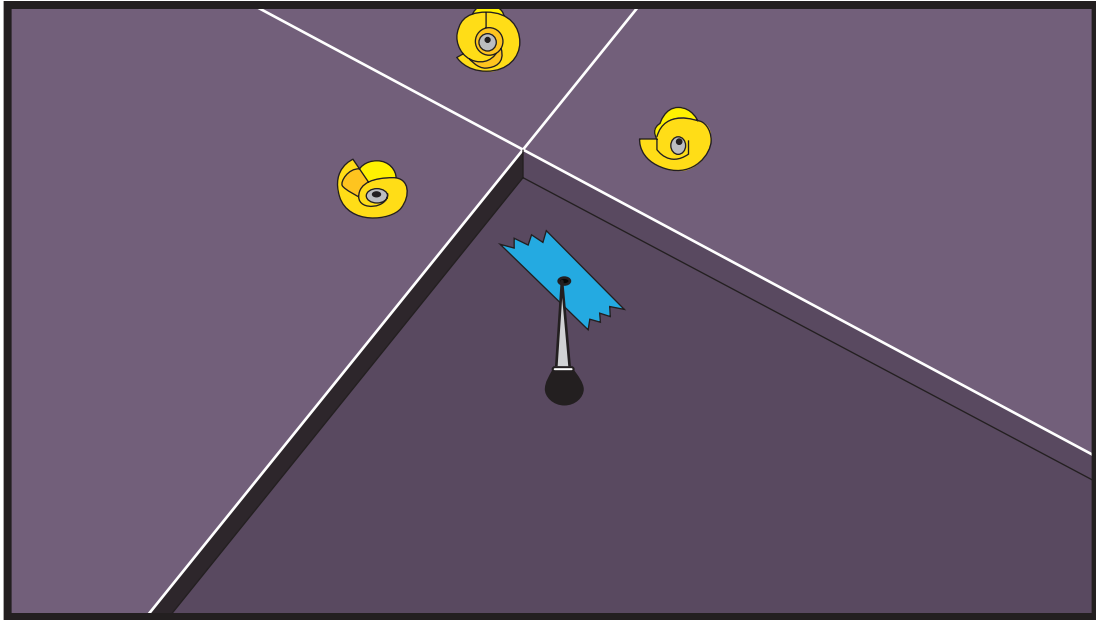
2. Here are the basic components: dry wall anchor, screw, spacer and a rotofast. The anchor is screwed into the drywall and then the rotofast and the spacer are placed on the screw and screwed into the anchor. The hex head of the rotofast is then snapped into place to allow the hex wrench to turn the rotofast from below the star ceiling panel.



4. Measure for the ceiling grid chalk lines. These must be exact because they show where the rotofast anchors are placed. With laser measurements, determine the ceiling centers and snap those grid lines. Then, we can measure and snap lines for each ceiling panel



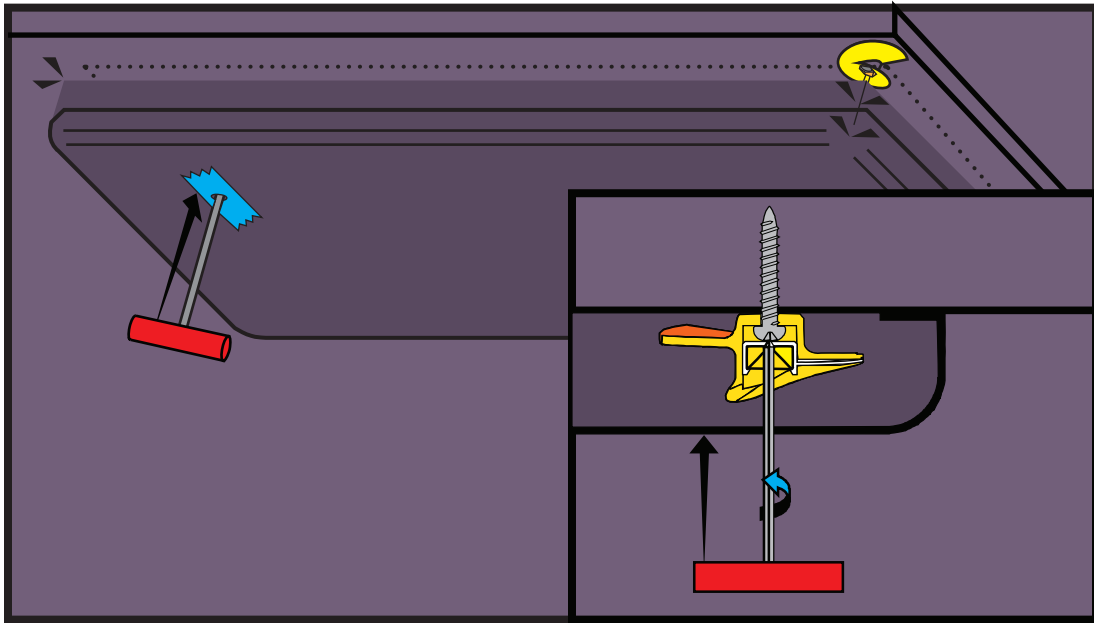
5. Exact measurements are critical so take your time, measuring and marking the chalk line snap points. It's good to confirm your measurements. Measure twice, snap once. The Rotofast® fasteners are installed about 4 inches from each grid corner with one at the middle outside edge of each side of the panel – 6 total. Each panel should have Rotofast® sharpie pen circular markings 4 inches from each edge in the corners and at the center outside edge for a total of 6 mounting points. Only 6 Rotofast® fasteners are needed per panel.



6. After the power cable is connected and checked, the panel is ready to lift into position. Therefore, two people are needed for the installation. Then, carefully position the panel in place. Again, the panel each have a rotofast position marked on masking tape pieces on the panel face 4 inches from each corner and center edge. The panels are somewhat fragile, so go slowly.

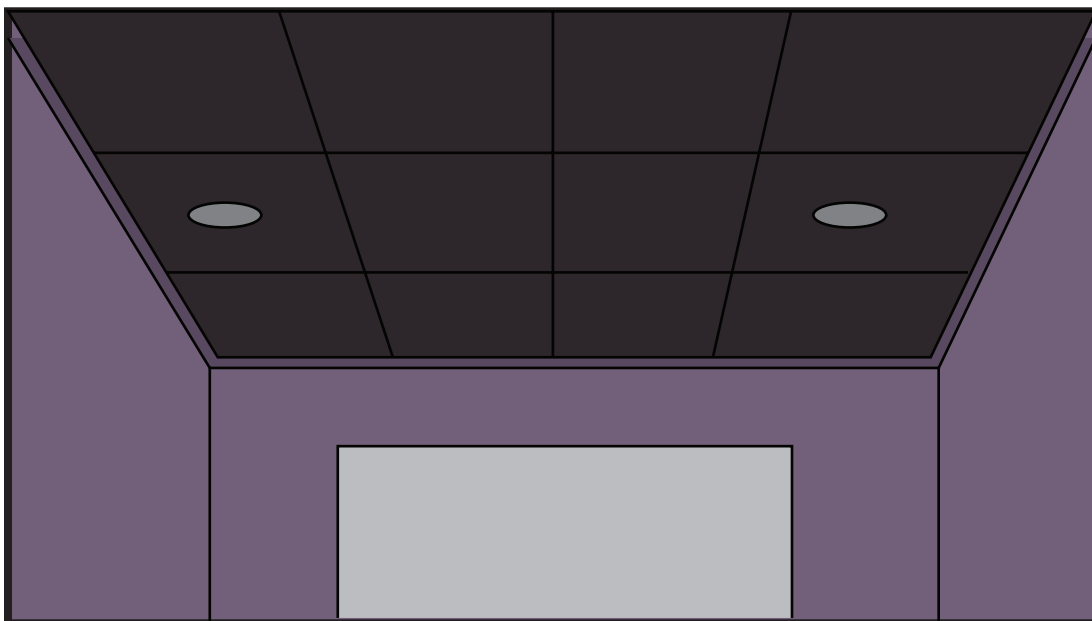


7. When the panel is fully in place and aligned, the rotofast from each corner can be engaged. This is done with a hex wrench inserted through the face of the panel at the mark. The hex wrench is rotated counter-clockwise to screw the rotofast in the panel material. A little pressure while turning helps seat the fastener into the material. An ice pick is used to locate the exact position of the hex nut in the rotofast. Then, the hex wrench can be inserted into the hex nut to slowly turn the rotofast. Make sure to level the panel face with the edging strip and the other panels.



8. When the panels are in place they can be leveled with each other for a smooth surface across the corners. This process is repeated at each corner of the panel while the panel is held in place by a second person. Gentle pressure combined with the slow turns of the hex wrench is the correct way to install the panels. It might take a few seconds to find the center of the hex nut in the rotofast, but once it's found, the hex wrench can be inserted to engage the fastener. Turn counter-clockwise to raise the panel and clockwise to lower it, turn slowly, rotofast can be over-rotated .

9. After the four corner are secured the center panel rotofasts can be engaged to level the middle sections. Remember, pre-cut the panel openings exactly measure and mark the rotofast positions use a minimum of 2 people to carefully install each panel and level them for a smooth surface when correctly installed, the Star ceiling panel is a dramatic scenery to any room.



ILLUMINATE 1.0 STANDARD STAR CONTROL SYSTEM

BLUETOOTH CONTROL VIA PHONE OR TABLET INTERFACE:

1. Download the **ILLUMINATE 1.0** app from the iOS APP STORE or GOOGLE PLAY STORE
2. Launch the app, hit the dashes in the upper left corner and it automatically connects via Bluetooth to the star panels
3. Once launched proceed to adjust the setting that you want

SCREEN SHOT



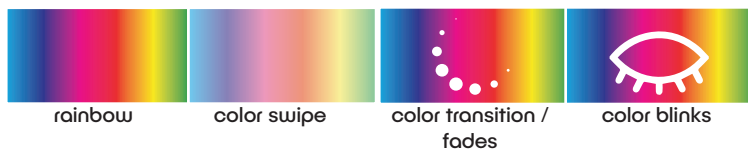
APP ICON
IN STORES



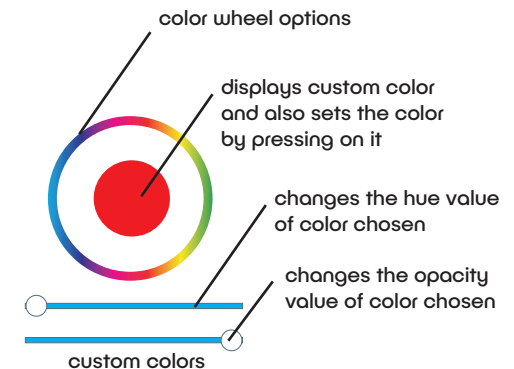
 CONTROLS THE
STAR CEILING

 CONTROLS THE
AMBIENT LIGHTS

BUTTONS TO KNOW



- SS1** shooting star 1 (customer orders one shooting star)
- SS2** shooting star 2 (customer orders 2 shooting stars)
- SS3** shooting star 3 (customer orders 3 shooting stars)



CONTROLLING STARRY NIGHT EFFECTS

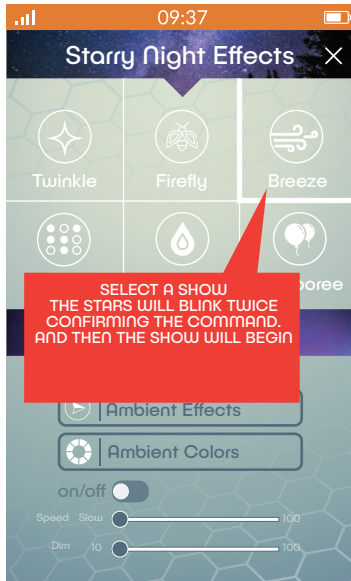
HOME PAGE



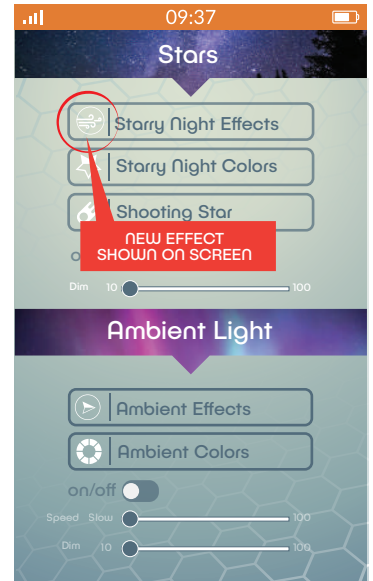
MOUSE OVER OVER



EFFECTS PAGE

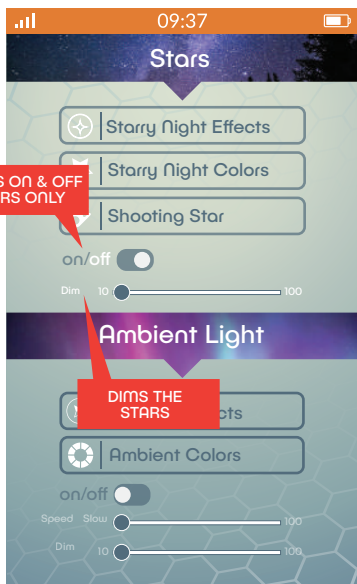


UPDATED HOME PAGE



CONTROLLING STARRY NIGHT COLORS AND EFFECTS

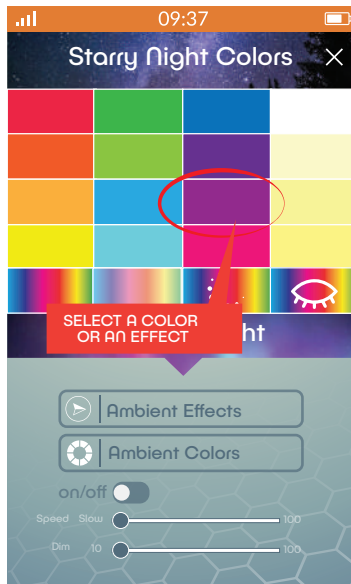
HOME PAGE



MOUSE OVER OVER



COLOR SELECTION PAGE



UPDATED HOME PAGE

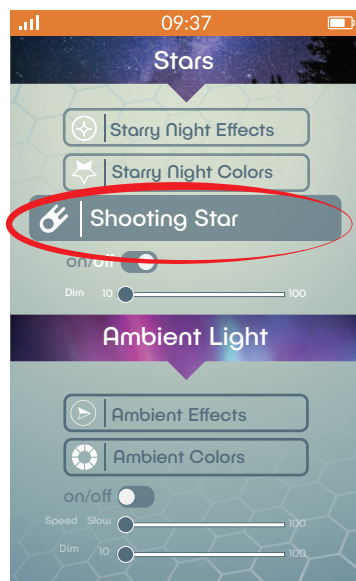


CONTROLLING SHOOTING STAR

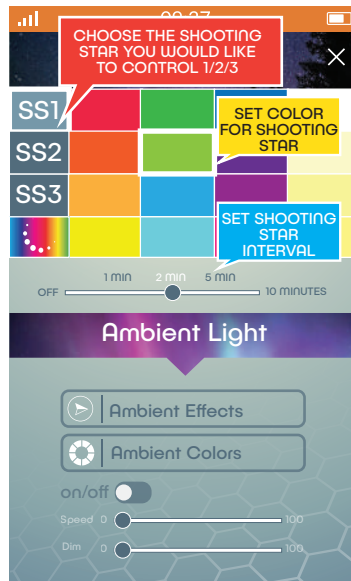
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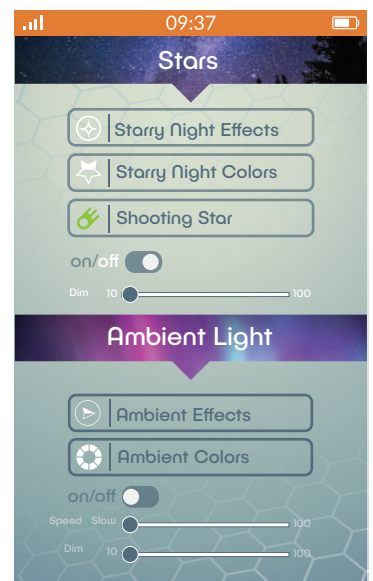
MOUSE OVER



SHOOTING STAR PAGE

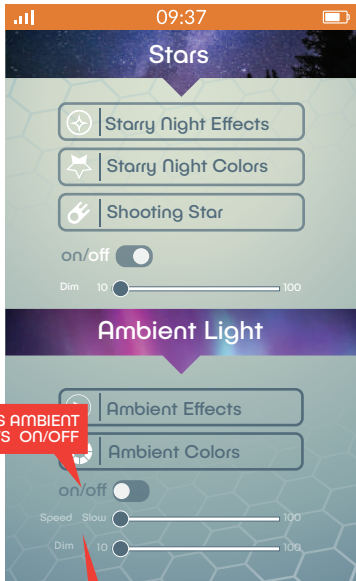


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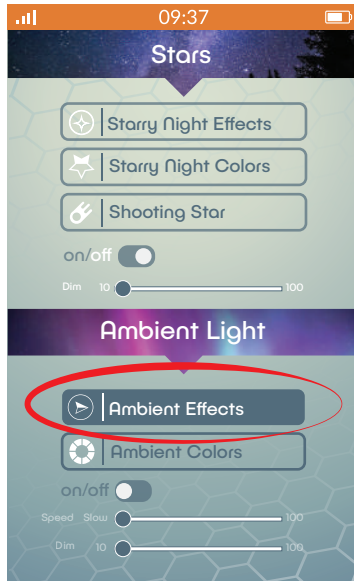
CONTROLLING AMBIENT LIGHT EFFECTS

HOME PAGE



URNS AMBIENT LIGHTS ON/OFF

MOUSE OVER OVER



AMBIENT LIGHT EFFECT PAGE



SELECT A SHOW AMBIENT LIGHTS WILL BLINK CONFIRMING THE COMMAND. AND THEN THE SHOW WILL BEGIN

UPDATED HOME PAGE

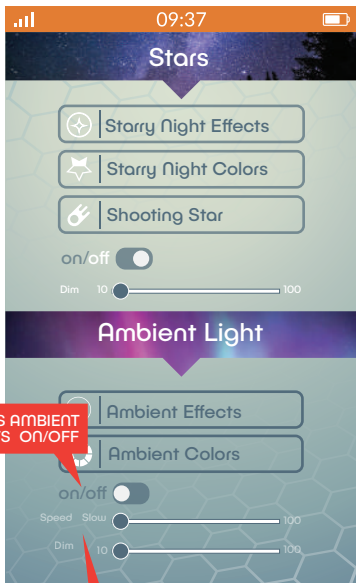


NEW EFFECT SHOWN ON SCREEN

DIMS DOWN AMBIENT LIGHT CONTROL EFFECT SPEED

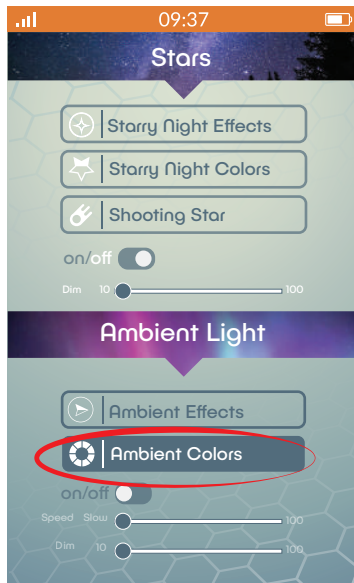
CONTROLLING AMBIENT LIGHT COLORS

HOME PAGE



URNS AMBIENT LIGHTS ON/OFF

MOUSE OVER OVER



AMBIENT COLOR PAGE



SELECT COLOR

OR CUSTOMIZE YOUR COLOR

CUSTOM COLOR PAGE



CHOOSE CUSTOM COLOR

DISPLAYS CUSTOM COLOR CHOSEN

CLICK TO SET COLOR

COLOR HUE COLOR OPACITY

DIMS DOWN AMBIENT LIGHT CONTROL EFFECT SPEED

UPDATED HOME PAGE



NEW COLOR PICKED

Starpanel System RS232 Commands

Effect	Commands
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Stary Night Effects

Twinkle	T
Firefly	F
Breeze	B
Random	R
Rain Drops	P
Jamboree	J

Stary Night colors (c,R,G,B,W*)

Red	c,255,0,0,0*
Orange	c,255,50,0,0*
Amber	c,255,150,0,0*
Yellow	c,255,255,0,0*
Green	c,0,255,0,0*
Light green	c,0,255,150,0*
Lime	c,0,255,50,0*
Aqua	c,0,255,255,0*
Blue	c,0,0,255,0*
Violet	c,150,0,255,0*
Purple	c,255,0,200,0*
Pink	c,255,0,50,0*
White	c,0,0,0,255*
Warm White	c,202,218,255,0*
Natural White	c,255,246,237,0*
Cool White	c,255,193,141,0*
Wipe color	w
Fade color	f
Rainbow color	r
Blink color	b

Dimmer stars (D,%*)

% is range between 10 to 100

example dimm 80% D,80*

Shooting Stars (Zone,color,time*)

Zone

Zone 1 (SS1)	X
Zone 2 (SS2)	Y
Zone 3 (SS3)	Z

Color

Red	255,0,0,0
Orange	255,50,0,0
Amber	255,150,0,0
Yellow	255,255,0,0
Green	0,255,0,0
Light green	0,255,150,0
Lime	0,255,50,0
Aqua	0,255,255,0
Blue	0,0,255,0
Violet	150,0,255,0
Purple	255,0,200,0
Pink	255,0,50,0
White	0,0,0,255
Warm White	202,218,255,0
Natural White	255,246,237,0
Cool White	255,193,141,0

Time

off	0
1 Minute	1
2 Minutes	2
5 Minutes	5
10 Minutes	10
Close command	*

Example

Zone 1 red color 1 minute	X,255,0,0,0,1*
Zone 2 blue color 10 minutes	Y,0,0,255,0,10*
Zone 3 green color 2 minutes	Z,0,255,0,0,2*
Off SS1	X,0,0,0,0,0*
Off SS2	Y,0,0,0,0,0*
Off SS3	Z,0,0,0,0,0*

Ambient Light Effects**(mode,speed)**

speed is range between 255 to 150 (255 = fast /150 =slow)

Fade **e,speed**Blink **k,speed**No Effect **n**examplefade fast speed **e,255**fade slow speed **e,150**blink fast speed **k,255**blink slow speed **k,150****Ambient Light colors**Red **A,255,0,0,0***Orange **A,255,50,0,0***Amber **A,255,150,0,0***Yellow **A,255,255,0,0***Green **A,0,255,0,0***Light green **A,0,255,150,0***Lime **A,0,255,50,0***Aqua **A,0,255,255,0***Blue **A,0,0,255,0***Violet **A,150,0,255,0***Purple **A,255,0,200,0***Pink **A,255,0,50,0***White **A,0,0,0,255***Warm White **A,202,218,255,0***Natural White **A,255,246,237,0***Cool White **c,255,193,141,0*****Dimmer strip color****(d,%)**

% is range between 10 to 100

example dimm 80% **d,80**

Field Cutting Star Panels

To field cut star panels for protruding objects, as you're installing the panels, mark the location of the protrusion on the upper side of the panel. Remove any fibers in the area and use our poking tool to re-insert them elsewhere in the panel. Then carefully cut only the 1" Fiberglass for the measured opening with a sharp non-serrated knife or box cutter, making sure not to cut the fabric below. Then, make an "X" in the fabric below and fold the 4 fabric flaps up into the opening, gluing them over the top of the panel to create a finished area, using a light adhesive spray, such as 3M Super 77 spray. You can also field cut for speakers and air vents, but you leave the fabric intact and reinsert the fiber strands through the fabric, after cutting only the Fiberglass on the panel.

To field cut star panels that are slightly larger than the installation area, you first "un-rap" the fabric on the side that you need to shorten. Mark the new line to cut on top of the fiberglass panel and remove and re-locate any fiber optics in the area. Being careful not to nick any fabric, cut to the new size with a sharp non-serrated knife or box cutter. Then re-wrap the fabric over the top with slight tension, using a light adhesive spray such as 3M Super 77 spray to tack the fabric back over the top of the panel edge.

Warranty Information

With purchase of our star panels, there is a 1 Year Manufacturer's Warranty. This guarantees that any products with defects in materials and/or workmanship will be repaired or replaced by the manufacturer for a period of 1 year from the date of purchase. During this warranty period, the manufacturer will replace or repair any defective parts and correct any defect in workmanship without charge for parts and labor. For warranty labor, contact us, as any reimbursement must be pre-approved by us before proceeding. We will not cover any warranty labor that has not been pre-approved and performed by a qualified provider. For this warranty to apply, the products must be installed and used in accordance to its written instructions. Damage to, or destruction of any product caused by the end user is not covered by this warranty. Additionally, normal wear and tear are not covered by this guarantee.

Shipping Damage is Not Covered under this Warranty. All shipments received by you that seem damaged, must be noted to the freight carrier, then refused and returned to the address on your shipping label for claim processing. You must report any damage claims immediately so that the party responsible for the damage can make amends. We will not be held responsible for any shipping damage and you may have to claim freight damage with your own insurance company, if you do not note it with the shipping carrier.

We will not be liable for any implied warranty or merchantability or fitness for a particular purpose to any person other than the original purchaser and user. Under no circumstances will the manufacturer be liable for property damage, economic loss, or any consequential damages sustained in connection with the purchase and use of any products. Some states do not allow limitations on how long an implied warranty lasts, or do not allow the exclusion of limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. The manufacturer neither assumes nor authorizes any representative or other person to assume for it any obligation or liability other than such as is expressly set forth herein. This warranty gives you specific legal rights, and you may also have other rights which may vary, from state to state.