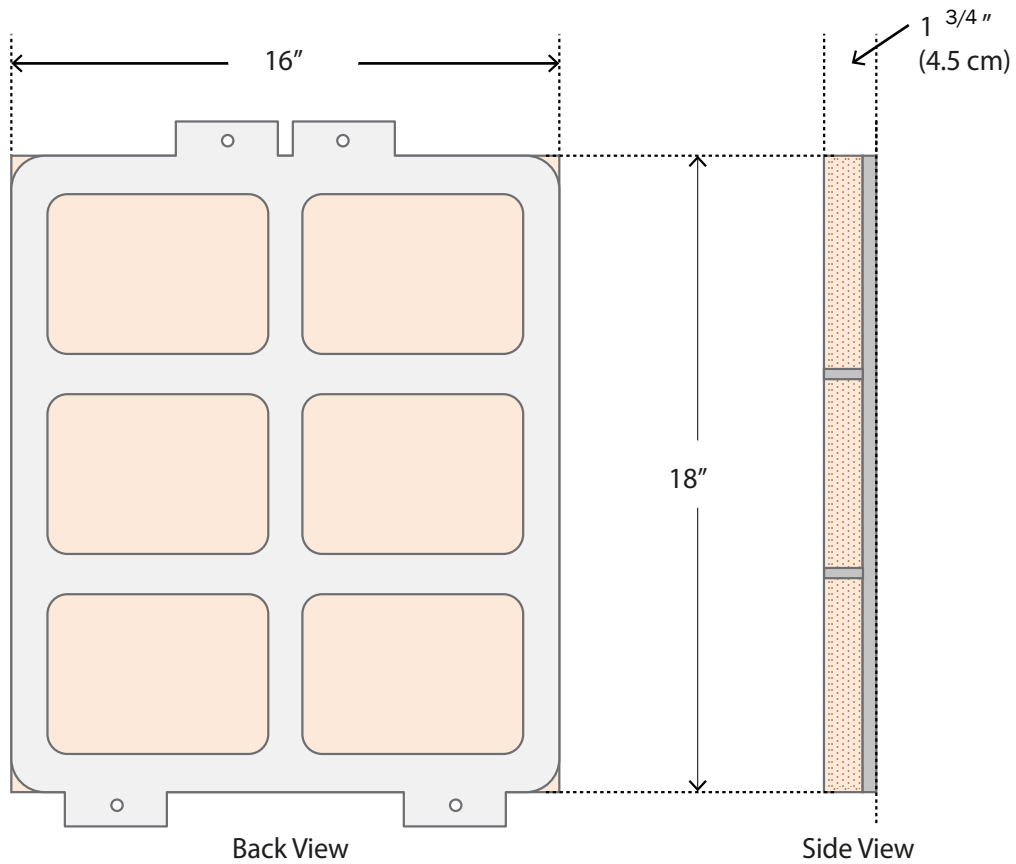


HIMALAYAN SALT PANELS - HARNESS INSTALLATION GUIDE

INSTALLATION INSTRUCTIONS

Salt Wall Systems Hanging Wall

Snap Fit Design



HANGING WALL PANEL FOR EXISTING WALL STRUCTURE

The following example is for a 10 panel (W 80" x H 36") salt wall.

1- Prepare Wood Mounting Platform

Individual salt panels weigh 27 Lbs which require a strong mounting platform. Most existing wall structures include drywall, CMU, or brick. Unless the mounting surface is a minimum of 3/4" wood, a wood mounting platform for the panels is required.

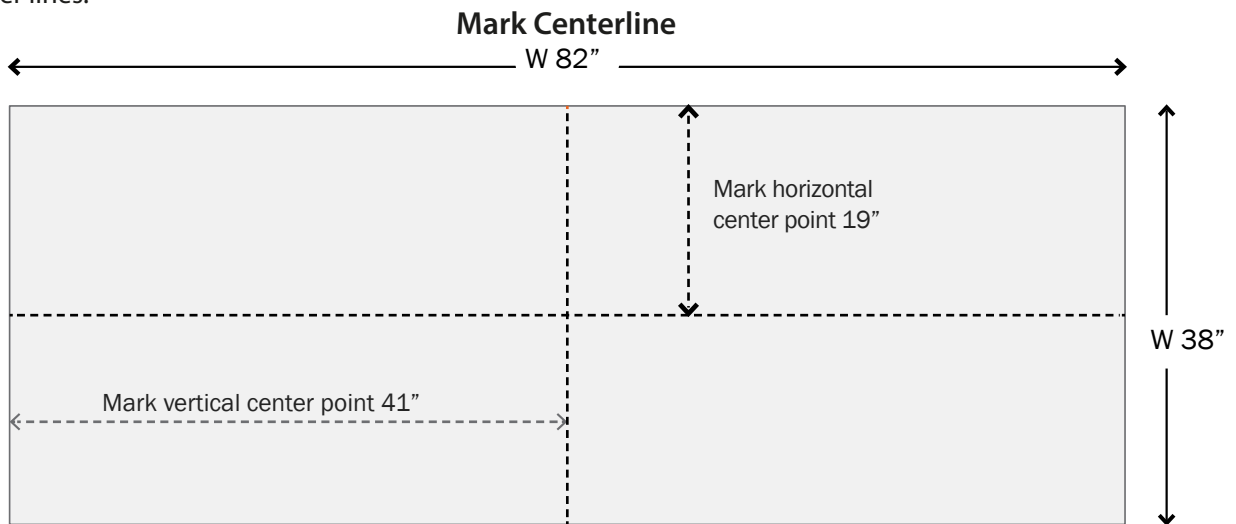
Cut plywood (min 3/4" thickness) one inch bigger on all four sides than the dimensions of the size of the plan-ned salt wall. For example: if salt wall dimensions are W 80" x H 36", cut mounting board W 82" x h 38". (Particle-board not acceptable mounting surface). Ensure plywood is leveled and squared.

2- Install Wood Mounting System

Salt walls can be installed at any elevation or angle. Once the location is determined, anchor the mounting board into structural wall components (e.g., framing or rock wall).

3- Mark Centerline

Once the mounting board is anchored, you must distinguish the center lines. Strike both horizontal and vertical center lines.

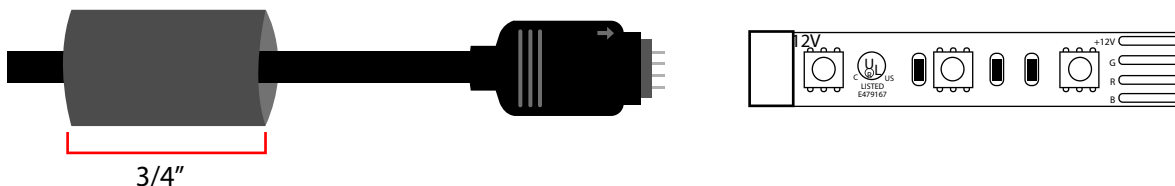


Example for 10 panel wall W 80" x H 36"

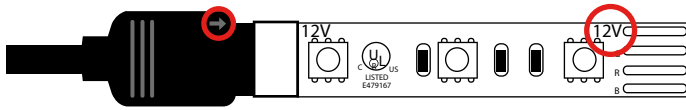
Mounting panel measures W 82" x H 38"

2- Prepare the Himalayan Salt Panels

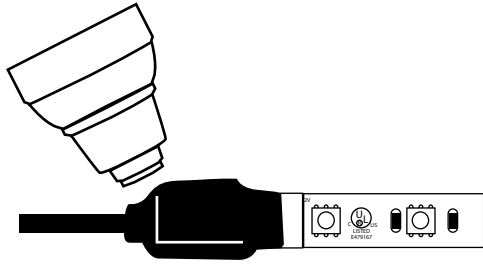
2.1 - Take the first Himalayan Salt Panel, locate the edge of the LED strip, and connect a pin to the RGB cable holes, then pass the RGB cable through a shrink tube.



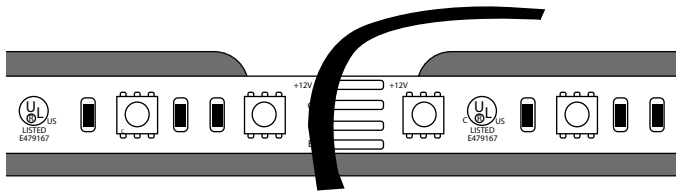
2.2 - Connect the extension cable to the LED strip for the Himalayan Salt Panel when needed; this connection has polarity. The arrow in the cable has to be aligned to the +12v label.



2.3 - Apply heat to the shrink tube until it snug on the connector.

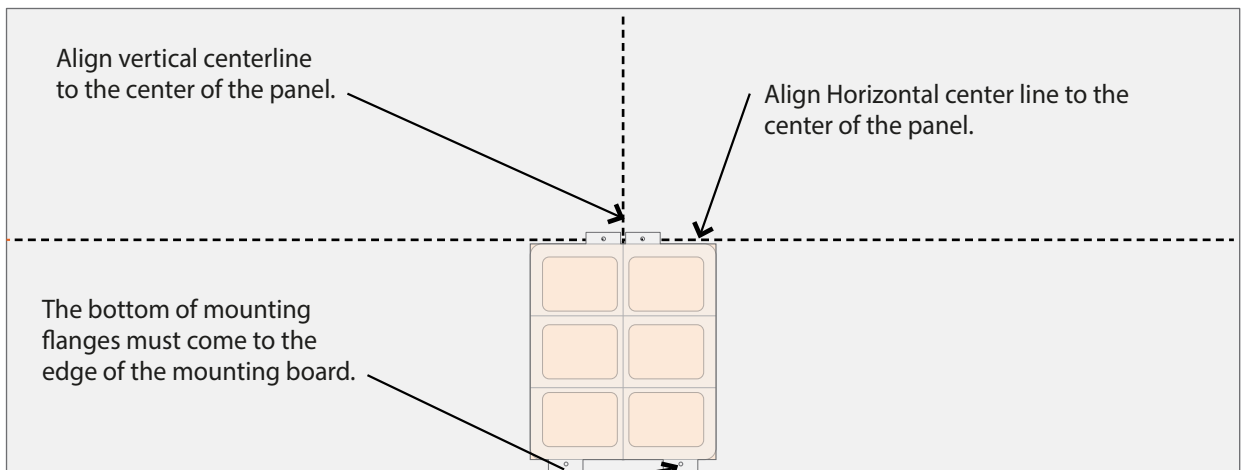


2.4 - Pass the extension cable through the hole in the metal frame of the Salt Panel.



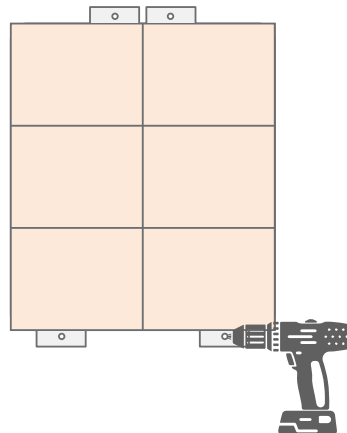
3- Install the Anchor Panel

The first panel installed in a salt wall is the most important; it's the root anchor panel. The root panel has to be the center panel at the bottom of the wall.



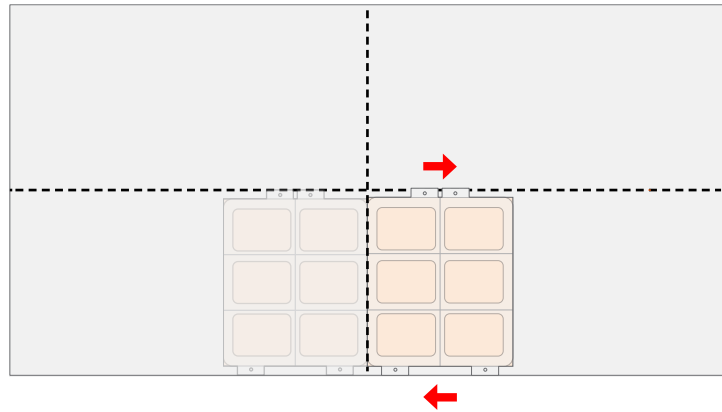
Use the driver to mount stainless panel screws.

Front View



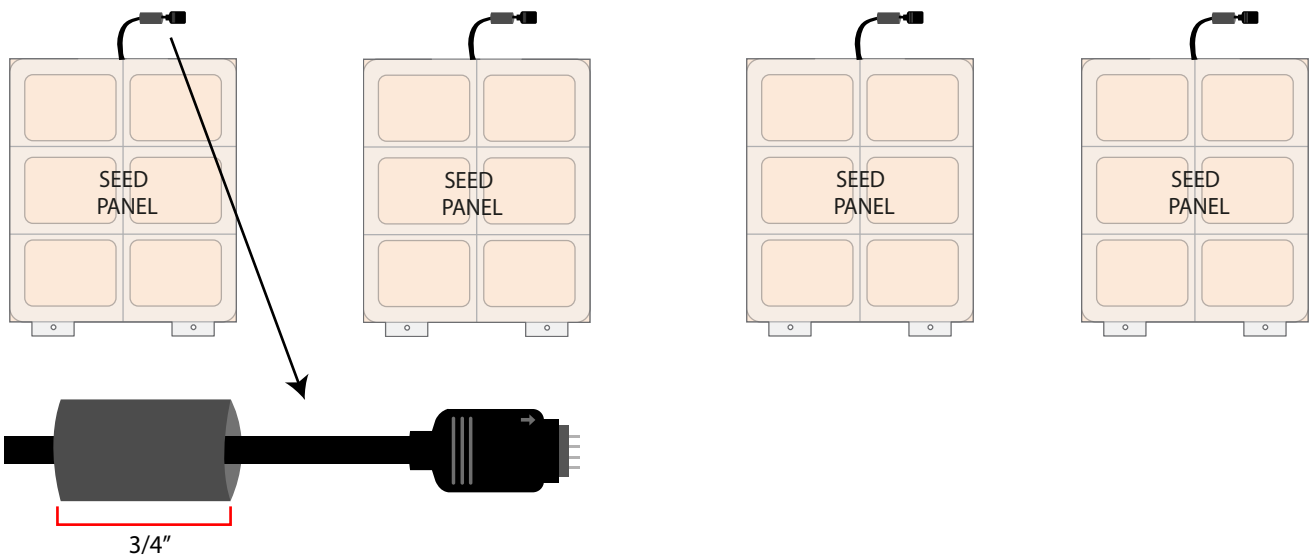
NOTE:

If the wall has an even number of columns, align the left or right side of the root panel to the centerline to the mounting board.



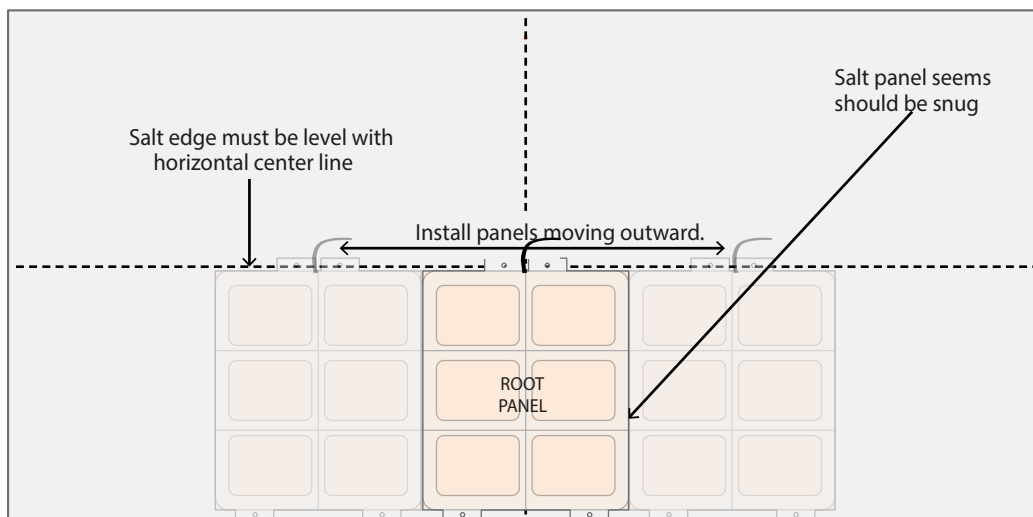
4- Prepare the Seed Panels

Repeat step 2 on each seed panel until every panel has an RGB cable going out through the top. Connect a pin to the RGB cable holes, then pass the RGB cable through a shrink tube.



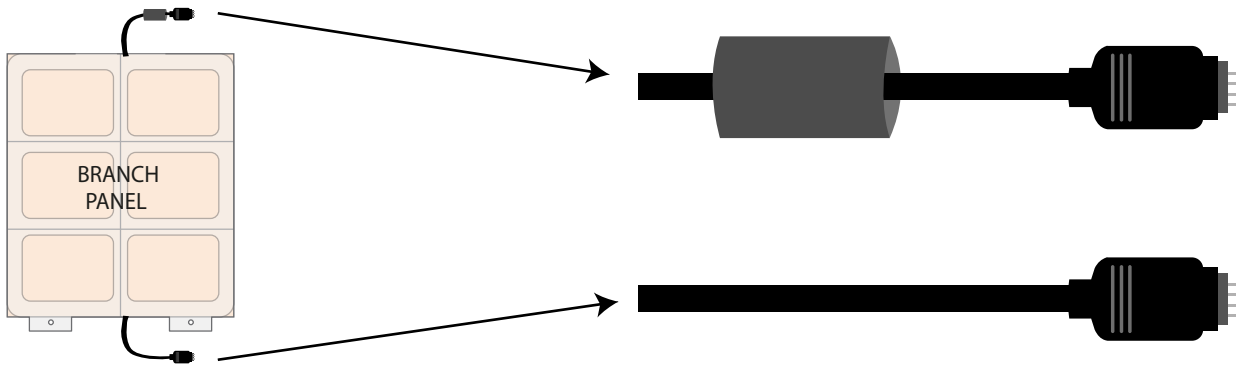
5- Install the Seed Panels

Once the root panel is installed, mount at seed panel each column needed. Justify each panel level with the horizontal centerline and snug seam with the adjacent panel.



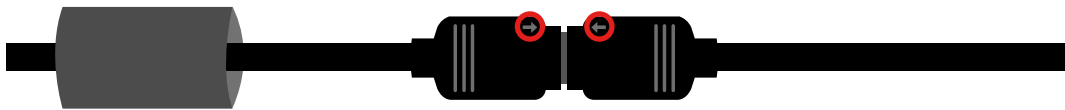
6- Prepare the Branch Panels

Connect the cables on the top and bottom as seen in step 2 to the pending panels.

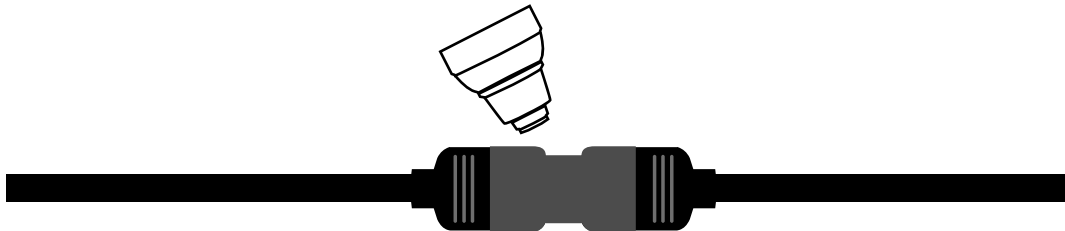


7- Weaving Light Columns

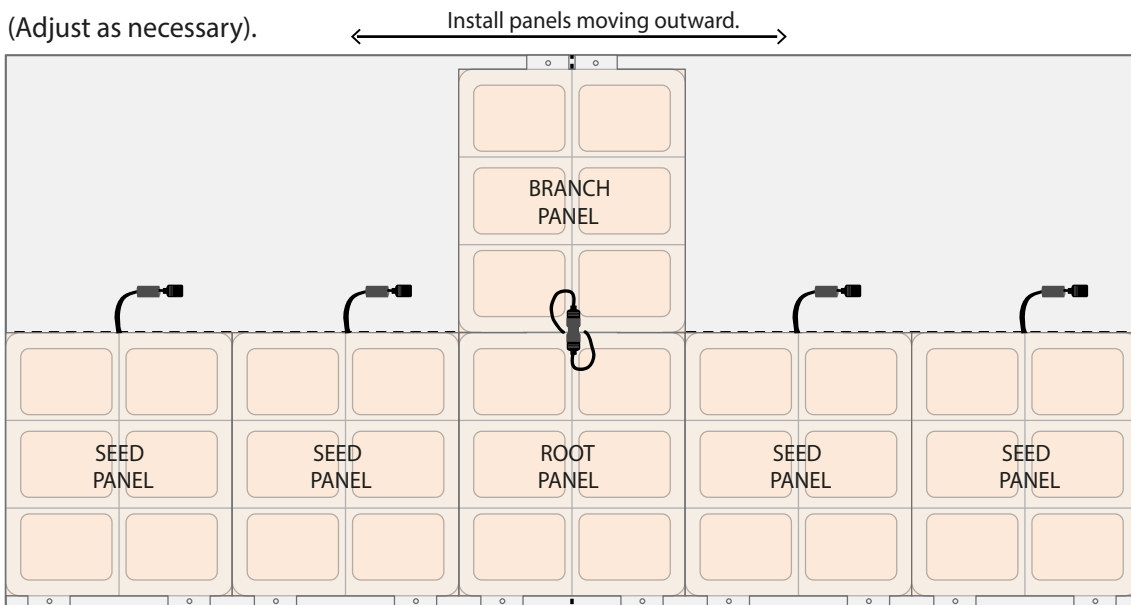
7.1 - To attach the branches, connect the signal cable from the bottom panel to the signal cable of the upper panel. The arrows have to be lined up.



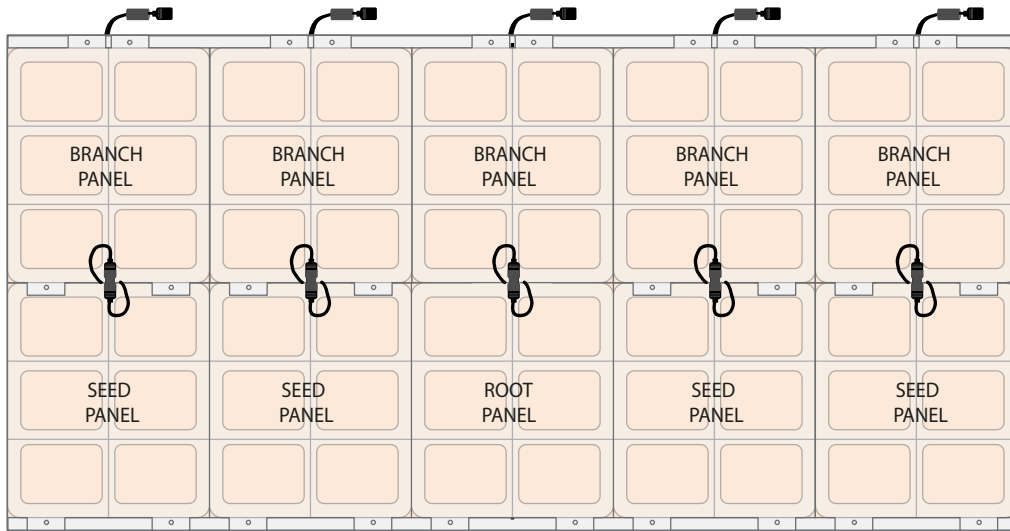
7.2 - Apply heat to the shrink tube until it snug on the connector.



7.3 The bottom panels are the foundation to grow the columns and reach the harness. Assure those panels, otherwise they will become harder to fix. Use an angle square to assure 90 degrees on both lower corners.



7.4 Connect the next panel level and repeat until you complete your Salt Wall design. When the Wall has been completed, take a break and proceed to install the harness, which will provide your Himalayan Salt Wall.



NOTE: In some cases, it is not possible to hide the Harness. Plan carefully before installing.

Sun Valley Harness Introduction

The Harness is a complement for the salt panels that help us to illuminate them with the RGB LED strips. In this manual we will be explaining step by step an easy and understandable way to learn how to install any of our Harnesses.

Dear Valued Customer:

Congratulations on purchasing one of the finest pieces made of Himalayan Salt available. We appreciate your order and hope you enjoy your Himalayan Salt Panels. Follow this guide to assemble your Himalayan Salt Panels correctly and for instructions on how to use the various components.

Please, feel you free to reach out to us with any questions or problems, and we will do our best to assist you.

Sun Valley Salt Team: +1(208)495-7016

Recommendations before installation:

- Read and follow all the instructions before installing your Himalayan Salt Panels.
- The assembly must be done by two people at minimum.
- The installation wall must be leveled, dry and clean.
- Keep this document for any future questions or issues.
- A wall socket to supply 110v or 220v of AC power is needed.
- The salt panels should be firmly attached to the room wall.
- LED cables are exposed in the top panels.

Tools

- Drill
- Heat Gun
- Scissors
- Pen

Materials

- Harness
- RGB Male pins
- Shrink tube 3/4"
- Flat washer (x4)
- Brackets x4
- Screws M3 6mm x4
- Screws accord to the building wall

Disclaimers:

- Sun Valley Salt is not responsible for any damage or injury caused by misuse or mis-installation of the Himalayan Salt Panels.
- Sun Valley Salt is not responsible for the modifications and applications made by the consumer to the Himalayan Salt Panels.


WARNING! Electrical Hazard

- The LED technology works with DC power at low voltage, is safe to work with them. However, the transformer should be handled with extreme responsibility to avoid accidents.
- DO NOT modify the wiring.
- DO NOT block up the transformer's fan.
- DO NOT introduce external objects in the transformer, especially metal objects.
- The connection should be ONLY to connect the Salt panels, don't connect anything else.
- It is not recommended to install Himalayan Salt Panels in high humidity places.
- The system must be unplugged during installation.
- Do not connect the transformer to the incorrect AC power supply.

Introduction

Sun Valley Salt provides easily mountable salt panels, each salt panel is backlit using low power RGB LED strips. Intensity, color and diffusion cycle of the Himalayan Salt Wall can be programmed remotely using the remote controller/Phone App provided.

FEATURES OF THE PANEL

Color	Up to 16 million colors
Input Voltage	12v DC
Power	16w
Working Temperature	-25° F to 160° F (-31° C to 71° C)
Certification	UL/CE/RoHS
Brightness Control	

Disclaimers

Power requirements will vary according to the number of panels used. Failure to supply sufficient power can cause the equipment to be damaged.

NOTE: High humidity levels can reduce the useful lifespan of the Himalayan Salt Panels.

Specifications

- The RGB amplifiers require an AC/DC transformer that supplies the power to turn on the Himalayan Salt Wall.
- Electrical power consumed by LED strips depends on the number of panels used. Below is the energy consumed for different kinds of salt panels.

NUMBER OF SALT PANELS ON THE WALL	SIZE OF THE TRANSFORMER (IN WATTS)*
0 to 24	200W
25 to 36	350W
37 to 60	450W

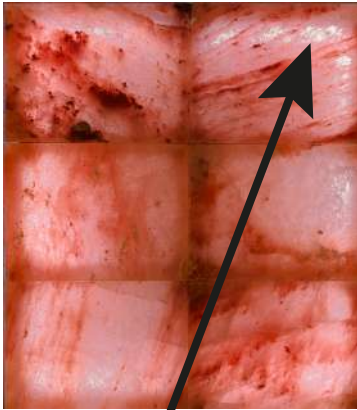
*It is possible to have more than 60 Salt Panels per wall, but it will require more than one transformer.

Salt Panel Wall Mount Limits

1.- A Himalayan Salt Panel

Each Himalayan Salt Panel is composed of 6 Salt Bricks, an internal frame and a LED strip.

Real View



LED Strip

Wiring

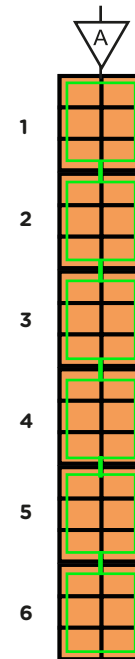


LED Strip

2.- Vertical Himalayan Salt Panels

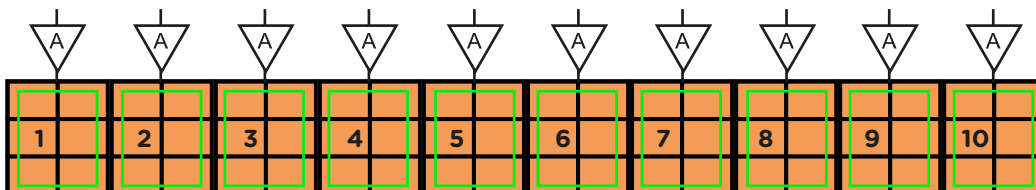
The Himalayan Salt Panels have to be placed one on top of the other. Each Himalayan Salt Panel Wall has at least one row and can be arranged as shown in the image below.

NOTE: The limits of one harness are six Himalayan Salt Panels vertically.



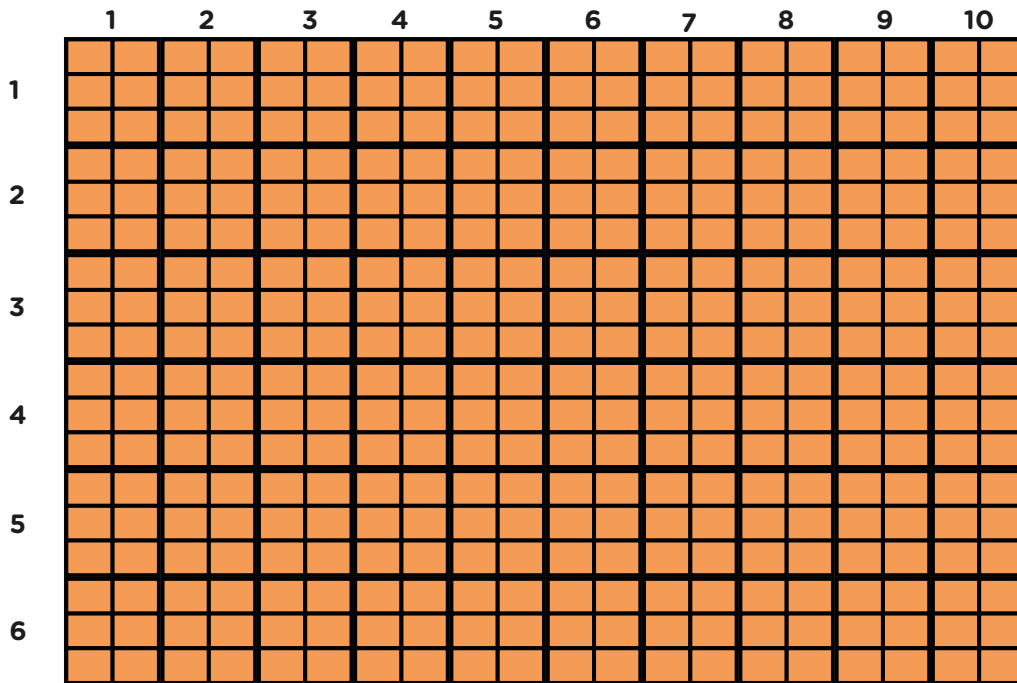
3.- Horizontal Himalayan Salt Panels

• The columns are several Himalayan Salt Panels placed next to each other. Each Himalayan Salt Panel Wall has at least one column and can be arranged as shown in the image below.

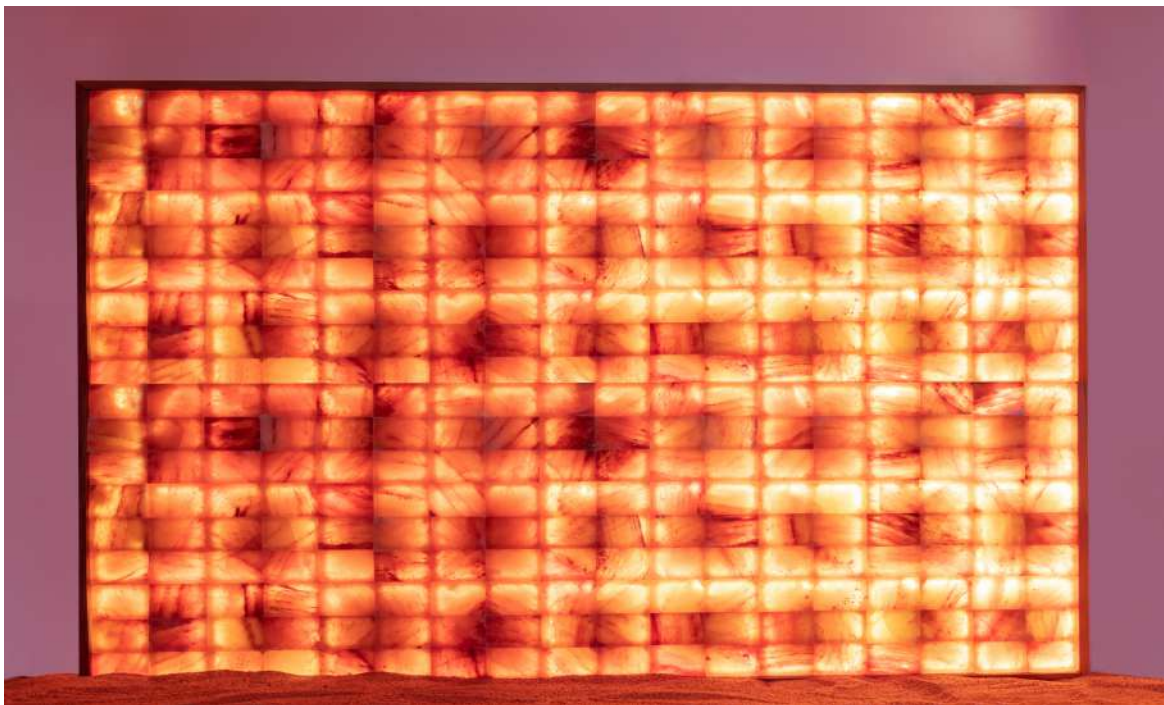


4.- Vertical Salt Panels and ten horizontal Salt Panels

The image below is a suggested Salt Panel Wall of 60 Salt Panels and a 450W transformer.

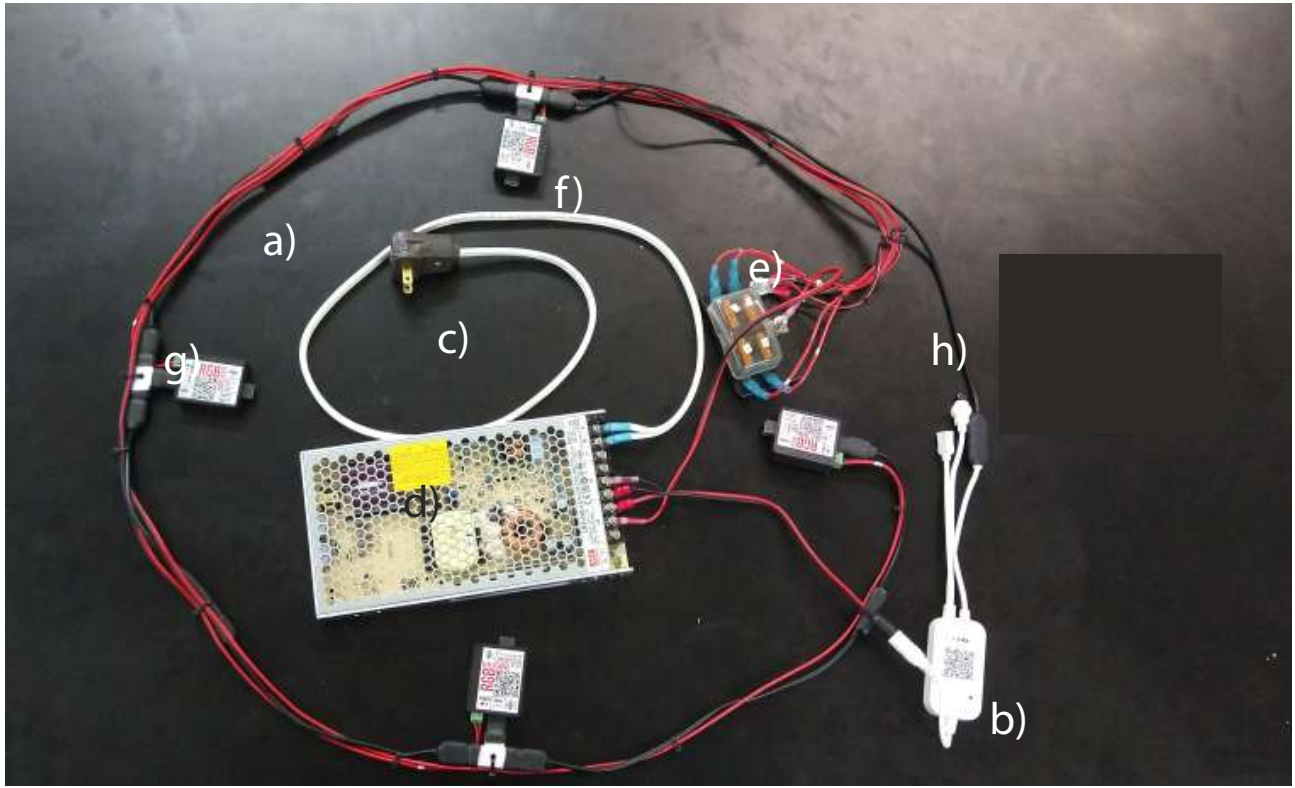


Final View



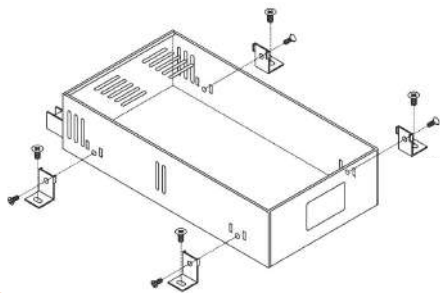
HARNES INSTALLATION MANUAL

1. Unroll the harness and identify every part before continuing.



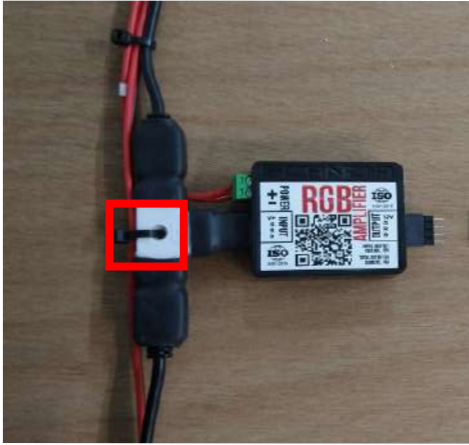
- a) Power CORD
- b) RGB Controller
- c) Wall Plug
- d) AC/DC Transformer
- e) Fuse Box
- f) Amplifier
- g) T Connector
- h) RGB Signal

2. Using the M3 screws attach the L brackets to the transformer.



3.- Take the last T Connection (which is the second-to-last RGB Amplifier) align it to the second-to-last RGB cable coming from the Salt Panels and fasten it to the wall.

Note: Make sure the RGB cable can reach the RGB Amplifier.

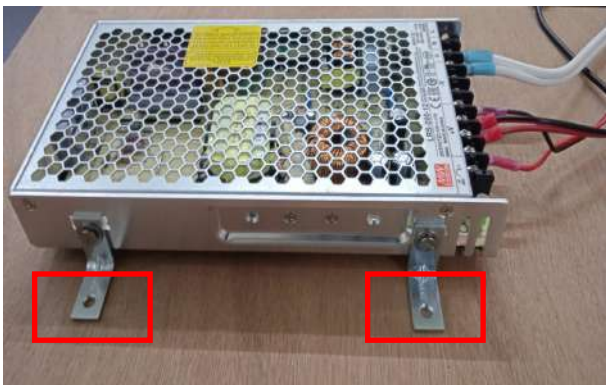


4.- Take the transformer and align it so that all the T Connectors are vertically aligned to their corresponding RGB cables.

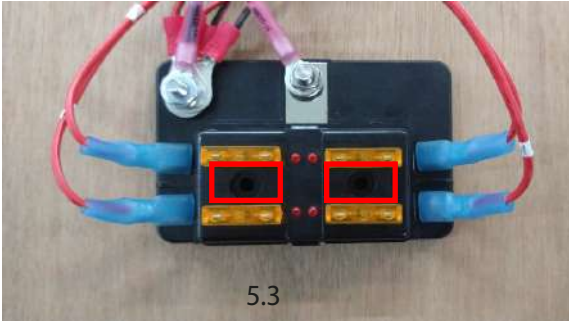
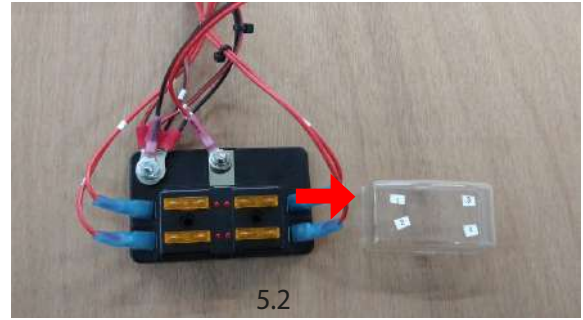
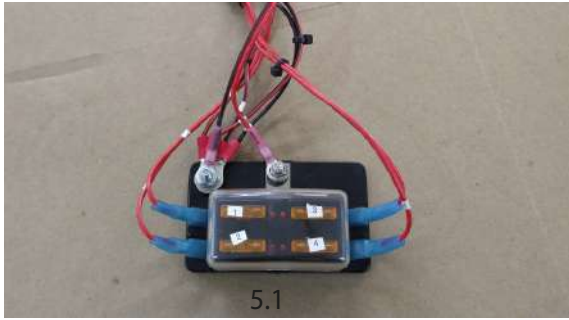
Note: The harness should be mounted straight and leveled without tensing it.



5.- Drive the general purpose screws to attach the transformer to the wall.



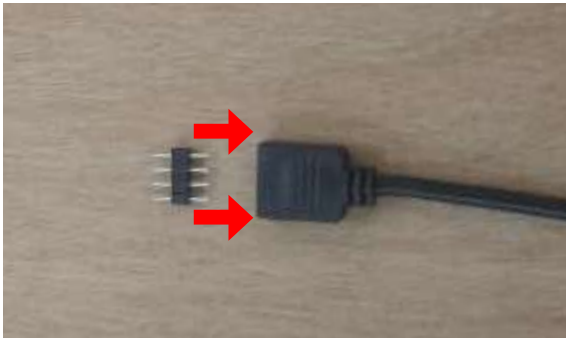
6.- Remove the fuse box cover, then drive the general purpose screws through the mounting holes inside to attach it to the wall near the transformer. Don't forget to put the fuse cover back after completing this step.



6.- Fasten all the T Connections to the wall.

7.- Connect a pin to the RGB cable holes, then pass the RGB cable through a shrink tube. After that, connect the RGB cable to the RGB Amplifier.

The arrow has to be aligned to the 12v label in the amplifier. No metal parts should be visible after completing this step. And repeat this step with every connection.



8.- Select the correct voltage in the transformer switch and connect it to the wall socket. You should see a green LED light on and hear the fan working.

⚠ Disclaimer: Do not connect 230v if the Transformer's switch is in 110v position yet.



9.- To verify the Salt Wall's wiring, first set the wall on color Red, then set Green, and Blue. If the wall shows the colors as expected, continue testing using some other colors that you like.

10.- After verifying everything is correct, fix the connections cable by heating the shrink tube until this one becomes small and fit, wait a few seconds for it to cool down.



11.- Let the shrink tube to cool down and repeat the color testing. Repeat in any column. If the wall is still working well, proceed to the next column. Otherwise, remove the shrink tube and fix the pin alignment.

12.- Set your favorite color and enjoy your Himalayan Salt Panels!

TROUBLESHOOTING

- My salt wall doesn't do anything after turned on

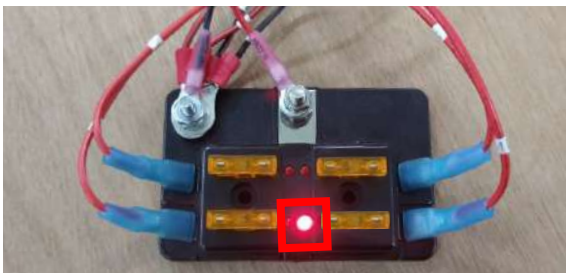
- a) Verify the transformer voltage switch selector is in the correct position according to your wall socket.
- b) Verify the LED is turn on and the fan is working, if not, request technical support.

⚠ Don't try to fix the transformer by yourself.



- The Wall turns on but one (or more) columns are completely off

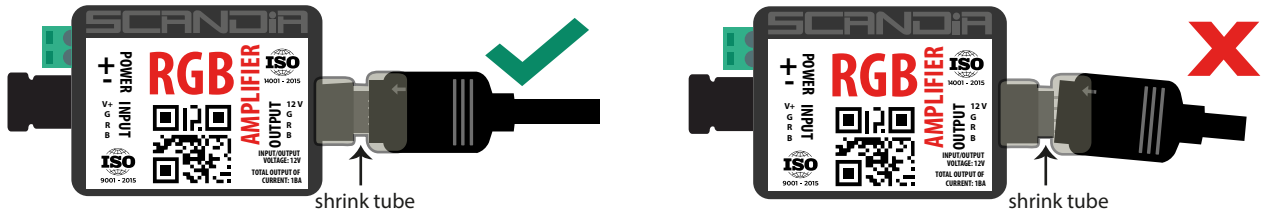
- a) Verify if a fuse was activated, you should see a red led aside. If a fuse was triggered, unplug the transformer and remove the damaged fuse. Use only 32v 5A automotive fuse as replacement. If the issue persists after changing the damaged fuse, unplug the wall and request technical support.



b) Verify the connection at the bottom of the amplifier assigned to the failing column. It would be necessary to cut the shrink tube and redo the step.

- A whole section of the wall is showing the colors in a wrong way or is showing nothing at all.

- Check if the arrow on the RGB cable corner is aligned to the 12v label.
- Verify that every pin is connected as the one in the picture.
- If every connection looks as it has to and the issue persists, contact technical support.



- The transformer started making some faint whistle after setting X color.

- It is common for the transformer to produce a whistling sound due to the color that is selected. Depending on the color you choose you will hear a more intense sound (power draw increasing).
- In case the whistling sound becomes increasingly loud, disconnect the harness and call tech support. It may be correct to say that the harness is damaged at this point, please discontinue its use.

- The transformer is making a loud noise or generating smoke

Unplug the transformer and call technical support, the transformer was damaged at some point between our facilities and the installation.

- The wall is blinking or shows white

- If you had a specific color selected and it suddenly turns white disconnect it.
- If the only color you can select on your salt wall is white disconnect it.
- If you select any color and starts blinking, disconnect your harness.

Interface Details

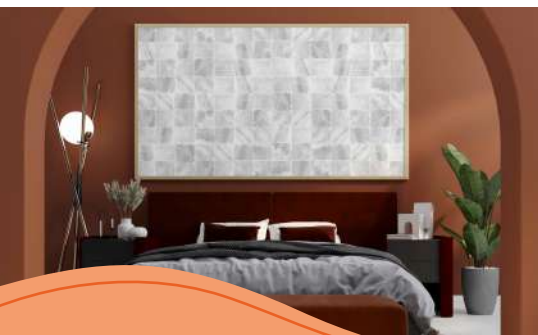
duoCo StripX App



FEATURES OF THE APP

Color	Up to 16 million colors
Brightness Control	✓
Contrast Control	✓
Style	Up to 20 different
Audio Synchronizer	4 different
Microphone Sensitivity Control	✓
On/Off Week Scheduler	✓

GALLERY





info@sunvalleysalt.com

1-208-495-7016

www.sunvalleysalt.com