

User Manual

SM-8 & SS-8 DMX Wall Stations



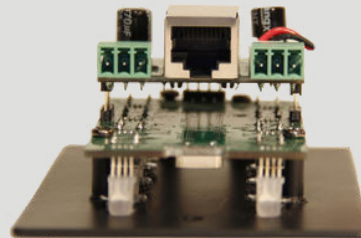
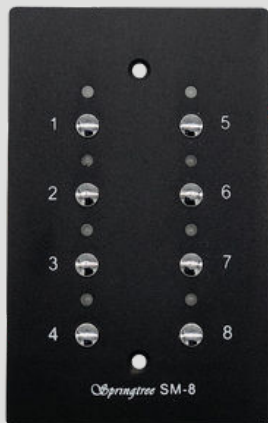


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Resources



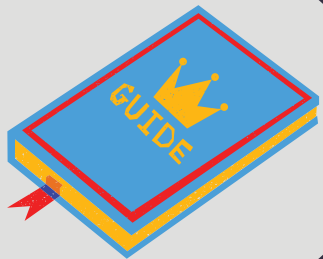
Online Installation Guide

- We offer a step-by-step online installation guide, with videos.
- <https://www.springtree.net/wall-station-installation-guide/>



Knowledge Base

- Frequently Asked Questions
- Helpful Guides & Articles
- <https://www.springtree.net/knowledge-base/>



Description



SKU: SM-8

The SM-8 DMX Wall Station

The SM-8 is a standalone DMX Control Station with eight programmable scenes with built-in fade times. It is a master controller and is wall mountable. Each SM-8 can connect to up to five additional Satellite Stations (SS-8s) for added control points around your facility.

Once programmed, SM-8s can operate alone or with a lighting console. When using a lighting console, the SM-8 goes in the line of DMX between the console and the lights and becomes inoperable when it senses DMX data from the console. This allows the facility to use the SM-8 for everyday use and a lighting console for events and services.

SM-8 Stations are static DMX scene recorders and can not be used to capture sequences.

Quick Points

- Wall Mounted
- Self-Contained Preset Station With An 8-Scene Capacity
- Built-In Fade Time Presets
- Up To 5 Satellite Units
- DMX-512 Output
- DMX Input Snapshot

Installation

Power Supply

Before plugging your unit in, be sure the source voltage in your area matches the voltage required for your lighting setup. Because line voltage may vary from venue to venue, be sure your unit voltage matches the wall outlet voltage before attempting to operate. The Springtree Wall Station uses a standard 12V power supply (provided with the SM-8). The power for the SS-8 units are provided by the SM-8 via CAT5.

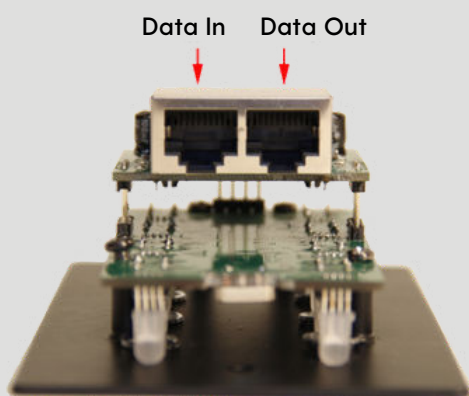
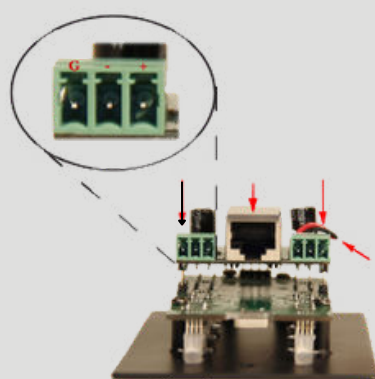
Mounting

The SM-8 and SS-8 come with a single gang mud ring. They will not fit in a standard single gang box. Should you need to mount in a metal in-closed handy box please use a Raco 670RAC box (pictured here, not included).



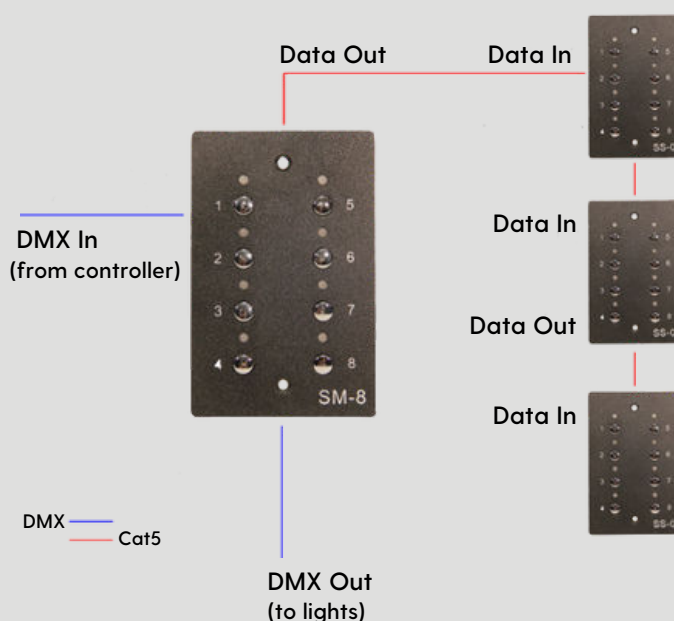
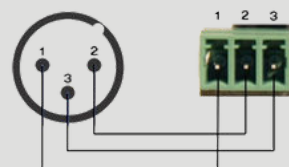
Connecting

Connect the SM-8 and SS-8 as shown below. Attention audio people: DMX is backwards from audio. Pin 2 is negative and pin 3 is positive. Most of the time pin 2 will be a white wire and sometimes it will be red. Pin 3 is typically black. However, wire colors may not always be reliable, so it's important to verify at the connectors.



DMX Wiring

- Pin 1 = Ground
- Pin 2 = Negative
- Pin 3 = Positive (Hot)



Installation

Connecting Power

The SM-8 includes a short power whip. If power is not nearby, power can be extended with an 18 gauge low voltage cable.

Grounding

Be sure to ground your SM-8! The SM-8 has a short ground whip attached to the back. The ground whip can be grounded to the outlet that is providing power. See image below.



Programming

1. Hold down buttons 1 and 8 to enter programming mode (light will turn red).
2. Set desired look on lighting console.
3. Press desired preset button 1-8. Light will flash. Scene is stored.
4. Set new look on lighting console.
5. Press another unused button or record over existing scene by selecting button.
6. Repeat until all 8 scenes are recorded.
7. Hold down buttons 1 and 8 to exit programming mode.

Setting Fade Rate

1. Hold down buttons 2 and 7 to enter secondary programming mode for setting fade rate (light turns yellow).
2. Select 1 for 1 second. 2 for 2 seconds. 3 for 3 seconds. 4 for 4 seconds and 8 for instant (no fade rate).
3. Hold down 2 and 7 to exit program mode.

Indicator LEDs Color Guide

If DMX is present at the wall station from a console, DMX passes and the wall station is inoperable.

Purple/Pink - DMX Is Present From The Console

Blue - Wall Station Is Operable, No DMX Is Coming From The Console

Red - Program Mode

Green - Program Mode, But No DMX

Yellow - Setting Fade Rate Mode

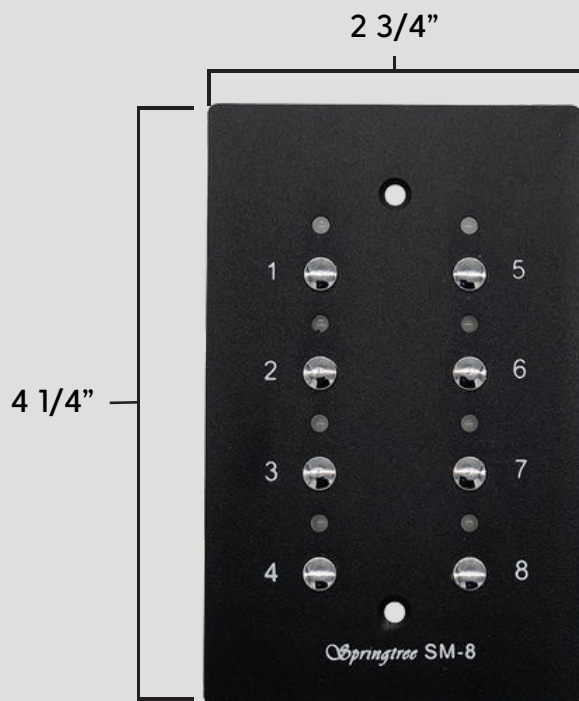
Safety.

1. Do not expose this unit to moisture to reduce the risk of electrical shock or fire.
2. Be sure that the local power outlet matches the required voltage for your unit.
3. Do not attempt to operate this unit if the power cord has been frayed or broken. Please refer to page 6 for instructions on properly grounding your SM-8 Wall Station.
4. Disconnect from main power before making any type of connection.
5. This fixture is intended for indoor use ONLY!

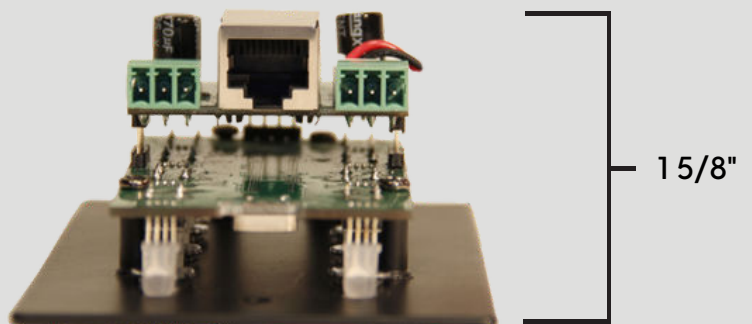
Troubleshooting

1. Check that the 12V power supply is plugged in and connected to the SM-8.
2. Check that the DMX cables are connected properly and are wired correctly.
3. Is the SM-8 receiving DMX from the controller? DMX from the controller will override the SM-8.
4. Many computers running lighting software will continuously send out a DMX signal, making your Wall Station inoperable. Shutting down and closing out your lighting software should solve this problem. If, you want to keep your computer up and running while using Wall Stations, we offer a Console Toggle Switch. Console Toggle Switches allow you to manually switch control back-and-forth between your computer and Wall Station.

Specifications



- Power: 12V (power supply included)
- Weight: .2 lbs
- Finish: Black Aluminum



We Are Here For You!

Springtree is all about simplifying the AV process. A big part of that is being available to answer your questions. Give us a call or fill out a contact form. We are here to help!

Contact Us



springtree.net/contact-us/



615-599-1505



[Contact Form]