

User Manual

SM-8IF DMX Wall Station





Table of Contents

- Description
- Specifications
- Installation
- Programming
- Safety & Troubleshooting
- Contact Us

Description

The SM-8IF

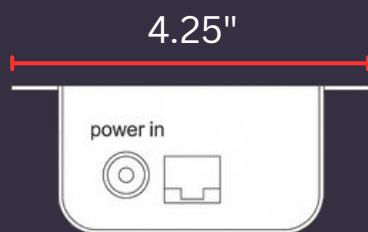
The SM-8IF is a DMX control station featuring 8 programmable scenes, built-in fade times, and control via RS-232 or contact closure input.

RS-232 to DMX & Contact Closure Input

The SM-8IF can integrate with popular smart systems such as Crestron, Control4, and AMX. It can be expanded via Cat5 to include up to five optional satellite stations, providing additional control points throughout a venue. While the SM-8IF requires a DMX lighting controller or computer running DMX software to program its eight scenes, it operates independently once programmed.

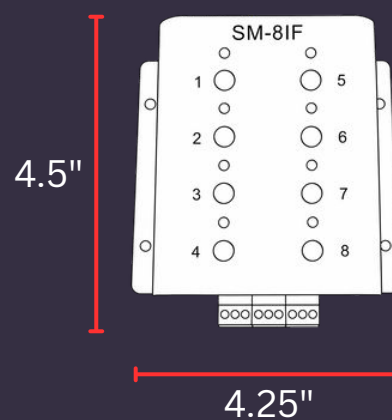
Key Features

- Simple To Program
- Self-Contained Preset Station With 8 Scene Capacity
- RS232 Control
- 8 Scene Contact Closure
- Built-in Fade Time Presets
- Up To 5 Satellite Units Can Be Connected
- DMX-512 Output
- DMX Input Snapshot



Specifications

- Power: 12V (power supply included)
- Weight: .6 lbs (2.72kg)
- Finish: Black Aluminum



Installation

Powering

Before plugging in your unit, verify that the local source voltage matches the voltage required for your lighting setup. Line voltage can vary by venue, so ensure your unit's voltage matches the wall outlet before operation. The SM-8IF uses a standard 12V power supply (included). Power for the optional SS-8 units is supplied by the SM-8IF via CAT5 cable.

Mounting

The SM-8IF can be surface-mounted or placed flat.

Contact Closure

0 = Common, 1-8 + Scenes

Closure can be constant or momentary. The last contact closure takes precedence.

Example: If 0 and 8 remain closed, but 0 and 3 are closed (momentarily or continuously), scene 3 becomes active.

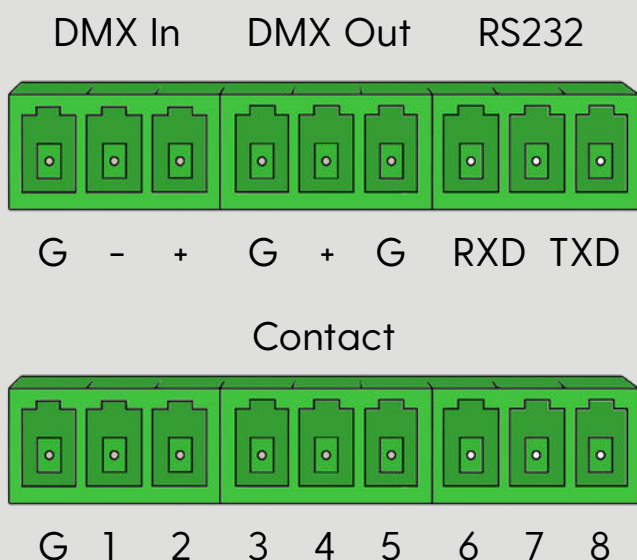
Connecting

Connect the SM-8IF as shown below.

Note for audio professionals: DMX wiring is reversed compared to audio.

Pin 2 is negative and Pin 3 is positive.

Typically, Pin 2 uses a white wire (sometimes red), while Pin 3 is always black.



Programming

1. Hold down buttons 1 and 8 to enter programming mode. The indicator light will turn red.
2. Set the desired lighting look on your connected lighting console/computer.
3. Press the desired preset button (1–8) on your SM-8IF. The light will flash to confirm the scene has been stored.
4. Create a new lighting look on the console.
5. Press another unused button, or select an existing button to record over its scene.
6. Repeat until all 8 scenes have been recorded.
7. Hold down buttons 1 and 8 to exit programming mode.
8. Hold down buttons 2 and 7 to enter secondary programming mode to set the fade rate. Select 1 for a 1-second fade, 2 for 2 seconds, 3 for 3 seconds, 4 for 4 seconds, or 8 for instant (no fade). Hold down buttons 2 and 7 again to exit fade rate programming mode.

RS232 Code

- Baud Rate: 9600
- Start Bits: 1
- Data Bits: 8
- Parity: None
- Stop Bits: 1

Phoenix Serial Connection:

1 - Receive Data, 2 - Transmit Data, 3 - Common

They represent pins 2, 3, and 5 on a DB-9 Serial connector.

Choose a Scene:

“\$XX\r\n” XX = Scene number 01-08

Example: To select scene five, use “\$05\r\n”

Feedback Right:

“\$XXOK\r\n” XX= Scene number 01-08.

Example: For feedback on scene three, use “\$03OK\r\n”

Feedback Error:

“\$XXERROR\r\n” XX= Scene number 01-08.

Example: For feedback error on scene eight, use “\$08ERROR\r\n”

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. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
4. Intended for indoor use only

Troubleshooting

1. Check that the 12V power supply is plugged in and connected to the SM-8IF.
2. Check that your cables are connected properly and are wired correctly.
3. Is the SM-8IF receiving DMX from the controller? DMX from the controller will override the SM-8IF.
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.

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!

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