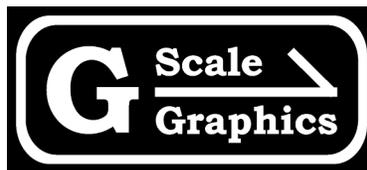


Sound Clip Module

An MP3 Player for your Railroad

Operation and Installation Manual



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Sound Clip Modules

"Sound Clip" modules add life to your railroad via sound effects. Place in buildings, rail cars, or just hidden behind a rock. The 2.0"L X 1.3"W X 1.75"H circuit board must be protected from the weather.

You can play a single sound clip in a continuous loop, or triggered to play only once via a switch contact. You can also have multiple sound clips loaded and each time the switch is closed it will play the next clip in the sequence. Some examples; you might have one in your sawmill playing a continuous loop of sawing sounds. Or you could have one in the station playing a station announcement when triggered by a magnet on the locomotive and a reed switch in the track. We have a [library of sounds](#) to choose from, but we can program your Sound Clip Module to use any MP3 file under 2 minutes in length.

You can also trigger one or more sound clips using our motion detector. Each time motion is detected it can play the next sound clip in a series of recorded sound clips, or just the same one each time.

Input Power

Power Terminals "+ -"

7 to 25 VDC, e.g. a 9V battery or a DC power source. Or 15AC from the auxiliary output of a power pack.



We have a 12V 2 Amp power supply available . It includes a 2.1mm Coax socket to mate with it to extend wiring as needed to one or more Sound Clip Modules.



Control

Switch Terminals "S C"

Short these terminals for continuous play. The sound track will keep looping.

A momentary switch closure will trigger the sound track to play once. Switch can be mechanical or an open collector output from other electronics to the S terminal. Both devices must share the same common through the Power Input "-" terminal. The USB port is for factory programming.



Motion Detector (PIR) Terminals "C P 5"

PIR GND/BRN wire to terminal C (Common)
PIR OUT/RED wire to terminal P (PIR Input)
PIR VCC/YEL wire to terminal 5 (5V Output)



Be very careful with the PIR wiring. Make sure the connector is connected as shown in these photos.

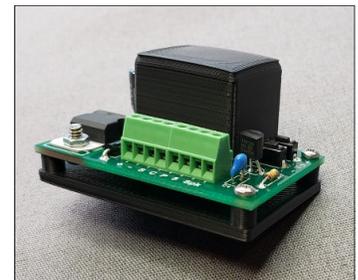
Output

Speaker Terminals "Spk"

A built in audio amplifier is capable of driving one 8 ohm, 3 watt speaker, purchased separately.

Volume Buttons

Press and hold volume buttons to change volume. A momentary press of Vol+ will play Next clip if multiple clips are recorded. A momentary press of Vol - will play Previous clip. Volume setting is not retained when powered off.



Optional mounting plate and cover.