



SOUND MODULE DC 842

Operating Instructions

The DC sound module complements your models with authentic locomotive sounds. The module can be supplied with DC or AC voltage. In a random time interval, the module also generates the sound of a locomotive whistle (horn). The module can be programmed to create the sounds of steam, diesel and electric locomotives.

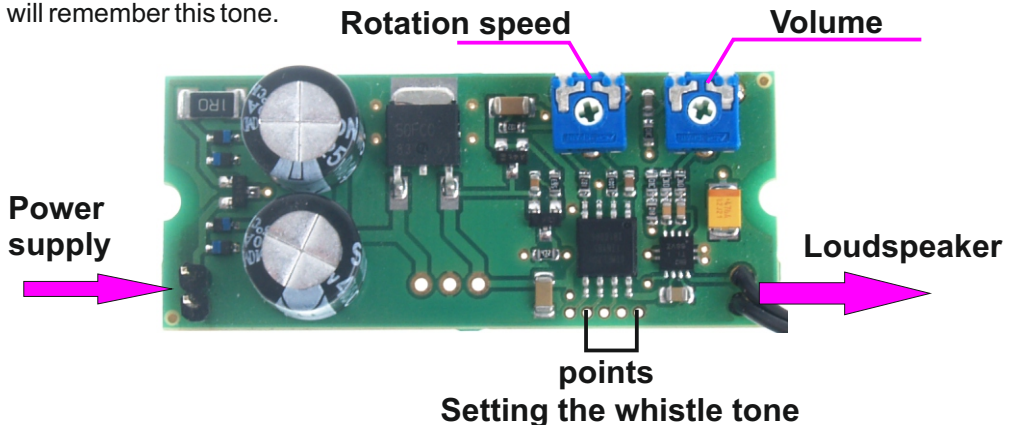


Fasten the module into the locomotive with screws through the notches on the short side of the printed circuit board, or attach it with double-sided tape. The underside of the sound module must be insulated from the metal parts of the locomotive using insulating tape.

Mount the loudspeaker so that the body of the locomotive does not block the passage of sound waves.

The module is powered by DC or AC voltage from the model rail power supply that is led from the track to the module. The module starts to operate from a voltage level of about 2.5V. You can adjust the volume and the speed of the sound on the module with the potentiometer. The “rotation speed” potentiometer should be set so that the wheel rotation speed matches the locomotive sound frequency.

By connecting the soldering points with an insulated jumper or tweezer, the pitch of the whistle can be adjusted. When the points are connected and the model is in operation, the pitch first increases gradually to its maximum and then falls to its lowest. Once the module reaches the desired pitch, interrupt the setting. The module will remember this tone.



Warnings:

- The underside of the printed circuit board and its components must not touch the conductive parts of the locomotive body or frame, as this may damage the module.
- The maximum supply voltage of the module is 18 volts
- The module can be connected to a larger speaker with a 4 to 8 ohm impedance and a minimum 0.5 watt rating.
- Track operating voltage must never be connected to the loudspeaker terminals, or the module will be totally destroyed.
- The module is supplied with a loudspeaker with a baffle for the speaker.

Basic technical information:

Power supply: DC or AC voltage from 2,5 volts to maximum 18 volts
Current draw: Maximum of 0.1 amp and 18 volts by volume
The power rating for the speaker: maximum of 1 watt and 8 ohms
Size: length 55mm, width 24 mm, height 18 mm

Design variants:

842 STEAM DC sound module imitating a steam locomotive with a whistle
842 DIESEL DC sound module imitating a diesel locomotive with a horn
842 EL DC sound module imitating an electric locomotive with a horn

We also offer **#841** sound modules designed for the ETS pulse power supply. These modules imitate locomotive engine sounds and provide random whistle sounds when the locomotive is operating.

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