

Micron MSND01 Mini Sound Module Installation Manual

PRELIMINARY, TO BE COMPLETED

MSND01 is a smaller version of the MyLocoSound card. It runs the same firmware so available with all MyLocosound sound profiles. MSND01 is suitable for smaller O Gauge and SM32 locos.

MSND01 is 35mm x 22mm x 12mm with terminal blocks or 6mm high without.

Connections

MSND01 is available as either a circuit board with solder pads or with screw terminals. The image here shows the card without screw terminals.

Connections on the right are for power and motor, the 2 connections at the top are for the speaker and the connections on the left trigger the various sounds. The trigger terminals are labelled F1 to F7 and are referred to by these labels in these instructions. For example, "Triggering F1" means to close a contact between the F1 terminal and the battery negative terminal. The trigger inputs are best used by connecting to a Micron receiver 'F' switch pad.

Sounds can also be triggered by a Sony infra-red TV remote control. Low cost, universal, TV remote controls are available from most consumer electronics stores and need to be set to Sony coding to work with the soundcard. Only one remote is required for many sound cards. A pre-configured IR remote is available from Micron. Although the remote can be used to trigger sounds when running, it is intended mainly for the adjustment and testing of sounds.

Speakers and Sound Quality

The soundcard requires an 8 ohm loudspeaker which is not included and may be purchased separately. A 4 ohm speaker can also be used but you may cause the soundcard to overheat and temporarily shut down if the volume is very high and the soundcard is in a confined space. Your choice of speaker is highly important because it determines the quality of the sound produced.

Installation and Use with Micron Receivers

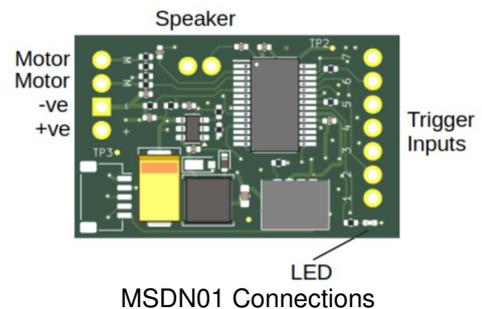
Installation and in Analogue Track Powered Vehicles

The Infra-Red Receiver and IR Remote

Trouble Shooting Guide



MSND01 with terminals



MSND01 Connections