Mini relay switcher is a compact solution designed to replace low current/low voltage foot pedals, such as those that might be used to switch amp channels or effects

Each of MRS outputs is a stereo (TRS) standard 6.35mm jack socket

Each socket contains two switching channels

The first channel controls the switching action of the plug TIP

The second channel controls the switching action of the plug RING

The default switching action is to short TIP TO SLEEVE for the first channel and to short RING TO SLEEVE for the second channel.

Many footswitches that you might use MRS to replace will use only a mono jack – that is no problem, you can simply plug a mono jack into any of MRS’s outputs, but the second switching channel on the socket will not be usable. Even so, with a total of four sockets available you are still likely to have plenty!

It might be possible to use a “Stereo Plug to 2 x Mono Sockets Y-adaptor cable” to make both switching channels on a MRS socket available to two mono channels. However, in this case the two output will be sharing the same “sleeve” connection – while this is often connected to ground, there is no guarantee of this – some devices might loop a “hot” signal through a footswitch. Even if both sleeves are ground connections, you might run into ground loop issues if you join them together – especially if they are from different pieces of equipment . **You need to be certain that there will not be a problem connecting the sleeve (ground lines) of the two cables together** – if in doubt do not do this – you could get negative effects that might range from extra ground noise to actual damage to the connected equipment

Some devices might expect the TIP and RING of a cable to be shorted together, with a grounded sleeve. This is possible with MRS, but you do need to change a jumper setting

To access the jumpers you need to remove the face plate. Behind each socket is a set of five jumpers

Usually these jumpers are set up as follows (grey indicates position of the jumper)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| R  T | R  S | S  G | T  S | T  R |

The labels mean the following

RT – Secondary switching channel action is to short RING to TIP

RS – Secondary switching channel action is to short RING to SLEEVE. This is the default action.

SG– Connect SLEEVE to the module GROUND: This allows the sleeves on multiple ports to be grounded together

TS – Primary switching channel action is to short TIP to SLEEVE. This is the default action.

TR – Primary switching channel action is to short TIP to RING

So if you want the switching action to be to connect TIP and RING together you can move the jumpers as follows. Activating either the primary or secondary switching channel will make the connection

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| R  T | R  S | S  G | T  S | T  R |