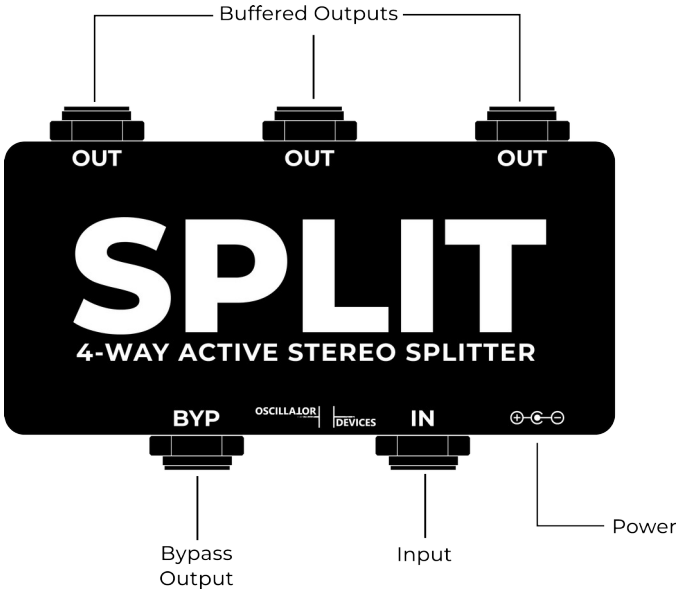
SPLIT User Manual

The ***Oscillator Devices SPLIT*** is a 4-way active stereo splitter designed to distribute a stereo or mono signal to multiple outputs. The ***SPLIT*** provides three buffered outputs and one bypass output. At the bypass output, the signal is routed directly from the input without passing through the buffers.

The available headroom depends on the supply voltage. Since the SPLIT uses a rail-to-rail design, the maximum signal level is limited primarily by the supply voltage. The SPLIT supports supply voltages of up to 18 V, providing ample headroom for both instrument and line-level signals.



Connections

- **Input:** A 1/4" stereo (TRS) socket for connecting a mono or stereo audio source. With an input impedance of 1 MΩ, it is suitable for both instrument- and line-level signals.
- **Bypass Output:** A 1/4" stereo (TRS) socket that provides the unbuffered input signal. This output is directly connected to the input.
- **Buffered Outputs:** Three 1/4" stereo (TRS) sockets that provide buffered copies of the input signal. The output impedance is approximately 500 Ω.
- **Power:** 9–18 VDC, center-negative, Boss-style connector. Maximum current consumption: 20 mA.

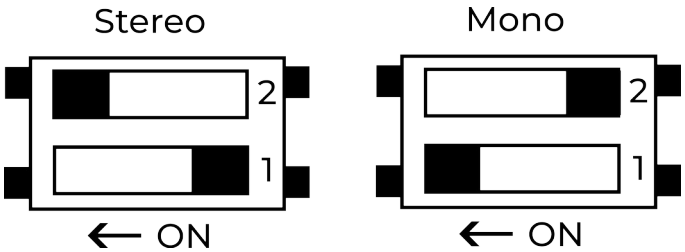
Stereo vs. Mono

In its default configuration, the ***SPLIT*** operates in full stereo mode. This means that the Tip and Ring signals present at the input are routed independently to the Tip and Ring connections of all outputs, including the bypass output.

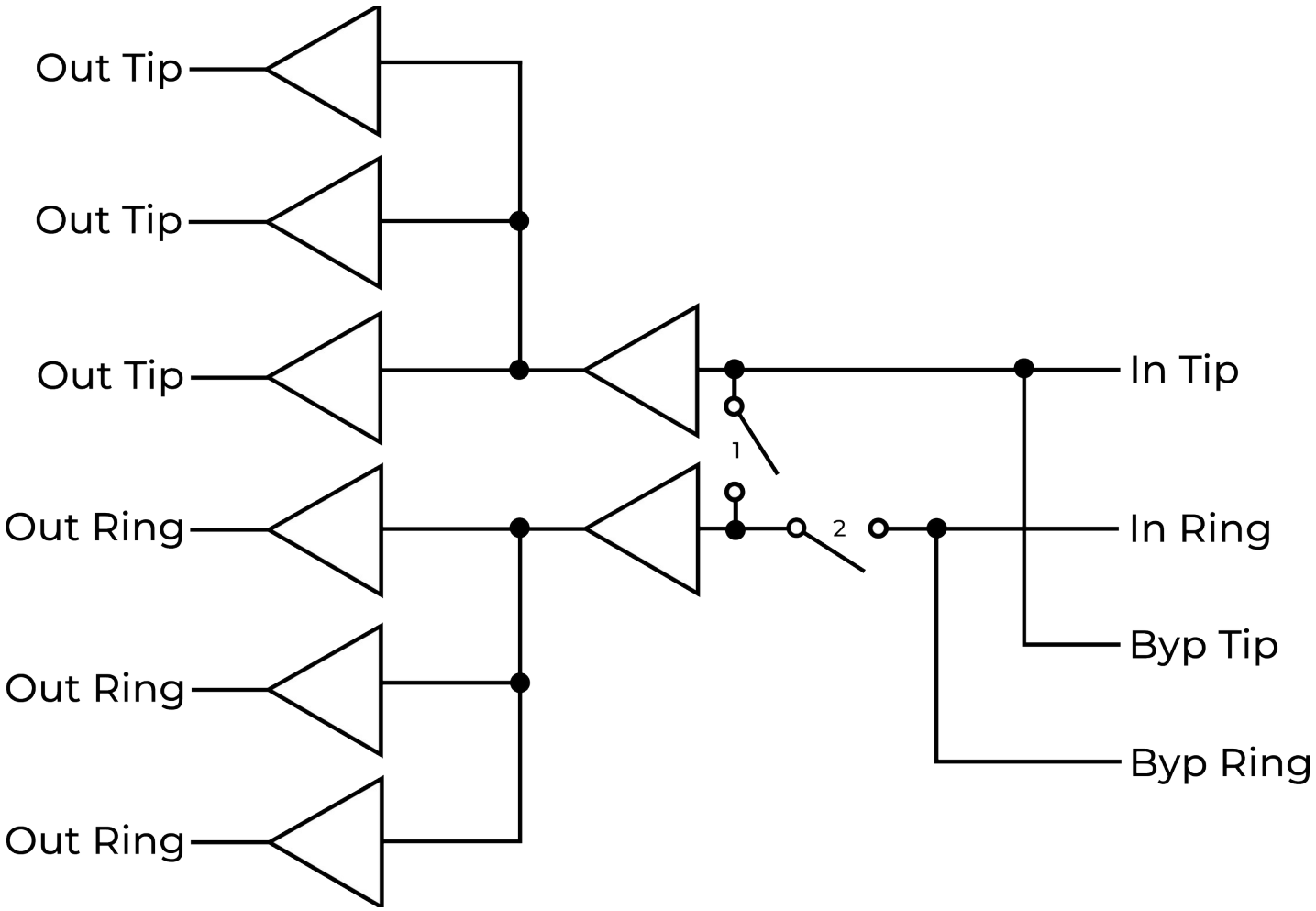
When using the ***SPLIT*** with a mono source, an internal DIP switch can be used to route the input Tip signal to the Ring connection of the buffered outputs. In this mode, all three buffered outputs carry the input signal on both Tip and Ring. The bypass output is not affected and remains a direct copy of the input signal.

The Stereo/Mono DIP Switch

To switch between stereo and mono operation, remove the four Phillips-head screws from the base plate. Inside the unit, you will find a small DIP switch. Configure it as shown below:



Overview


Out Tip
Out Tip
Out Tip
Out Ring
Out Ring
Out Ring
1
2
In Tip
In Ring
Byp Tip
Byp Ring