

SURFY•INDUSTRIES

STEREOMAKER

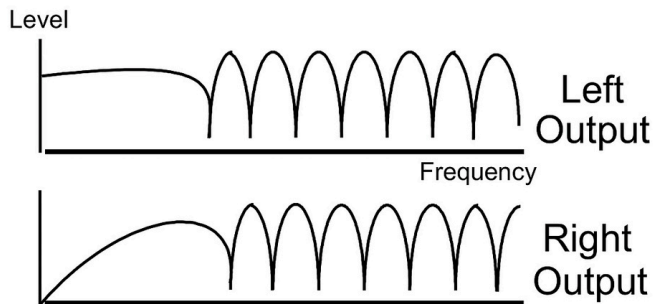
An ABY pedal typically receives the signal from a guitar or other instrument and splits it into two outputs. The StereoMaker is fully buffered and packed with features like: soft touch JFET switching, transformer isolated outputs, pseudo stereo effects, 180° phase reverse and ground lift.

In Stereo mode the WIDTH and VOLUME controls are enabled to optimize a pseudo stereo sound. The PAD switch makes it possible to attenuate line level signal to instrument level.

OUT L / R TR-TRS	Output jack: unbalanced (TS) or balanced (TRS) Phase-shifted unbalanced (TS) LED indicates when active.
PAD	DOWN: -12dB attenuation for both outputs
INPUT TS	Input jack, unbalanced (TS), impedance: 1 MΩ
GND LIFT	DOWN: Ground Lift, OUT R only.
DC IN 9-18V	DC jack, any polarity Internal battery (optional): 9V
WIDTH	Stereo width control, for STEREO mode only
VOLUME	Volume control, for STEREO mode only
STEREO	Soft touch footswitch to activate STEREO mode
LEFT OR RIGHT	Soft touch footswitch to activate LEFT or RIGHT mode.

PSEUDO STEREO EFFECT (Y)

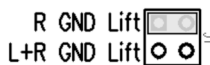
A simulated stereo effect is generated using analog complementary comb filters. This unique implementation makes it possible to simulate the mixture of direct and reflected sound waves in a room in a very realistic way. This effect is 100% analog and safe to mix back into mono, no side effects!



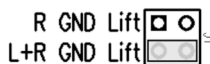
GROUNDING / GROUND LIFT

When connecting mains powered equipment to the Stereomaker there is a risk for Ground Loops. Hum/noise problems can normally be avoided by a proper grounding scheme. The Stereomaker has several options for avoiding hum/noise. Grounding problems might take some experimentation to solve.

- **Balanced outputs** - If possible, you can use balanced TRS-cables for the outputs L and R.
- **Ground Lift** - If you notice hum/noise when connecting equipment to L and R outputs you can activate GND LIFT feature (for the R output only). This will break the ground connection between the two outputs.
- **Full Ground Lift** - Inside the pedal there is a jumper to select Default or Full Ground Lift mode. Full Ground Lift means that both L and R outputs are lifted from the common ground when Gnd Lift is button activated. This might be useful when the instrument input also is grounded.



**Default
Ground Lift
Mode**



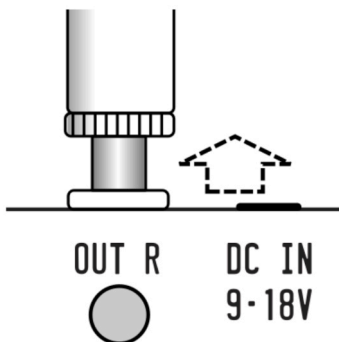
**Full
Ground Lift
Mode**

- Battery operation - In cases when hum/noise problems are difficult to solve, we recommend you to also try battery power for the Stereomaker. In rare cases, power supplies can be the reason for ground loops.

OUT-OF-PHASE SIGNALS

Sometimes reverse phase effects can occur resulting in a “non-distinct”, “hollow sound”. The reason might be that two guitar amps has been used with different number of gain stages.

The Stereomaker has built-in 180° polarity reverse circuit to phase-match amps. Just pull the output plug half way out to get the reverse phase.



IMPEDANCE	
Input impedance, 1/4" TS	1 M Ω
Output impedance, 1/4" TRS	600 Ω
Output impedance, 1/4" TRS	600 Ω
VOLTAGE AND CURRENT DRAW	
Supply voltage	9-18V DC, any polarity
Current draw	35 mA
Battery	9V
DIMENSIONS AND WEIGHT	
Dimensions	105 x 110 x 50 mm (4.1 x 4.3 x 1.9 in)
Weight	0.4 kg (0.7 lb)