



selectorXL

BALANCED XLR SWITCHER/ROUTER

Features

- Silent A/B switching at mic levels thru both XLR outputs
- Advanced circuitry eliminates popping, noise and level changes
- Dipswitches provide full configuration of switching modes
- Outputs are protected from external Phantom power
- Full 48VDC phantom power to input jack
- PS24AC wall power supply included (required for Phantom power)
- Bright LEDs indicate output ON status
- Heavy-duty steel enclosure
- Easy access for battery replacement
- 3 year warranty

whirlwind

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Whirlwind SelectorXL

The SelectorXL is a footswitch device that provides two signal paths for a microphone with independent muting of each path. Switching between outputs is completely silent and noise free. This handy stomp box allows users of in-ear monitors to turn off the microphone signal to the front of house PA system and communicate privately with other band members or the monitor engineer through a second output. It also has many other possible uses for temporarily muting or switching a mic signal. The footswitch can be operated in several modes, with either momentary or alternate (push on, push off) action, by configuring the internal mode selection dipswitches. Outputs A and B are male XLRs and the input is a female XLR.

The SelectorXL works with both dynamic and condenser microphones. It must be powered with the included PS24AC power supply when using condenser mics.

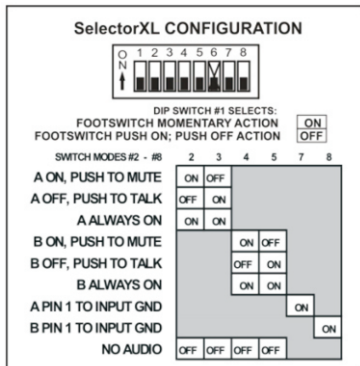
48 Volt phantom power is supplied to the microphone input jack even when it is muted. When the SelectorXL is used with dynamic mics, a 9V battery will provide many hours of service.

Silent, noise free microphone switching is achieved with innovative circuit design and new technology. When the microphone is driving one output, turning on and off a second output results in load changes on the microphone that affect its level. The sudden change in load also can cause clicks or pops to a non-changing output. The Selector XL circuit utilizes new state-of-the-art audio amplifier ICs capable of noise levels almost as low as physics allow. With these amplifiers buffering the microphone, it is difficult to measure (or hear) any contribution in noise or distortion even with the very best microphone feeding the best state-of-the-art microphone preamps.

Switching Mode Configuration

Operation of the SelectorXL is completely configurable by changing the settings of the 8 internal dipswitches. The footswitch can be set for either Momentary (press and hold) or Alternate (push on, push off) action. The A and B outputs can be set to turn on when the switch is pushed (push to talk), mute when the switch is pushed (push to mute) or to be always on.

The following chart is included inside the unit and shows the dipswitch settings to achieve all the possible output configurations. The unit is shipped with the A output turned on (push to mute) and B turned off (push to talk). The footswitch is set for push on, push off action and when pressed the A output turns off and the B output turns on. Output grounds are connected to input ground.



Switch 1 selects Momentary (press and hold) or Alternate (push on, push off) footswitch action.

Switches 2-5 select the on and off states of the A and B outputs when the footswitch is pushed.

Switches 2 and 3 set the A output modes. With both 2 and 3 off there is no audio at the A output.

Switches 4 and 5 set the B output modes. With both 4 and 5 off there is no audio at the B output.

Switch 7 is a ground lift for the A output.

Switch 8 is a ground lift for the B output.

Switch 6 is unused.

Power Switch Operation

The power switch has three positions for selecting operation of the SelectorXL with Battery or AC power and AC with Phantom power activated. In the center position the unit is turned off. In the bottom position the unit is turned on and will operate with either a 9V battery or the PS24AC wall supply. Phantom power is not supplied in this position. When the switch is up, the unit operates only with the PS24AC and 48VDC phantom power is activated to the female XLR input jack.

WARRANTY

This product is guaranteed to be free from defects in materials and workmanship to the original purchaser for a period of 3 years from the date of purchase. Should service be required, return the unit postage prepaid along with the original sales receipt to:

whirlwind

Attention - Repair
99 Ling Road
Rochester, New York 14612

The warranty on this product shall not apply to defects or damage resulting from abuse, abnormal use or from repairs or modifications performed by anyone other than whirlwind. If it is determined a manufacturing defect has occurred, whirlwind will repair or replace the unit at our option and pay the postage back to you.

Specifications

Frequency Response	+/- .1 dBV 40-20 kHz. -.5 dBV at 20 Hz
Total Harmonic Distortion +noise	At 0 dBV: .0018 % 20-20 kHz. At -40 dBV: .017% 20-20 kHz.
Noise	Battery power -118 dBV Phantom power -114 dBV
Common Mode Rejection of Input	100 dBv at 60 Hz.
Maximum Input level	4 dBV
Input Impedance	8.4 k Ohms
Maximum output level	4 dBV
Output Impedance	10 ohms
Dynamic Range	122 dBV
Output Ch. Isolation	101 dBV 20-20 kHz.
Phantom Power	48 VDC
Power consumption	18.2 mA DC toggling 21.7 mA DC Both On
Power requirements	9 Volt battery or 24 VAC 200 mA wall supply (included)
Battery life	30 hours of continuous use (toggling)