SI-2

Dual channel signal isolator

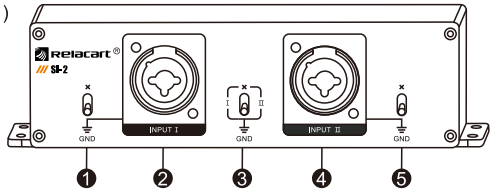
SI-2 two-channel professional passive audio isolator, aluminum alloy casting, exquisite and durable, 1U chassis in height, can be installed in the cabinet with the corner code, easy to use. Two-way 6.35 mm and XLR in and out, can be converted and assigned to each other. Each channel is equipped with a common ground and a non-common ground switch, and the shield is connected to the cabinet switch, the large signal is not distorted, and the external interference (humming sound, high-frequency oscillation) noise is eliminated. Audio signal isolator is widely used in: radio and television media transmission system, audio and video system engineering, live sound reinforcement, audio signal through the audio signal isolator, balanced and unbalanced can be converted to each other, can completely isolate the potential difference between the two systems, Avoid hum interference caused by grounding problems, and prevent damage to the input stage of the equipment due to excessive potential difference. Realize the safe transmission of audio signals, remove the noise generated by the connection between the camera and the audio equipment; the noise generated by the connection between the simultaneous interpretation equipment and the mixer. The noise generated by the long-distance transmission between the equipment and the equipment; the noise generated by the impedance mismatch between the equipment and the equipment. Solve the humming sound caused by site electricity, wiring, light interference, etc.

Product Features

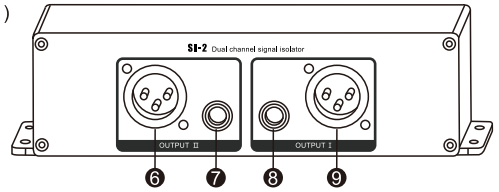
· Metal chassis, EIA standard 1U, small size, easy to use.
· With strong anti-interference ability, CMRR> 90dB.
· Support plug and play, can use flexibly without power, software setup and maintenance.
· All day working, using without worry.

Interface function

(Front panel)



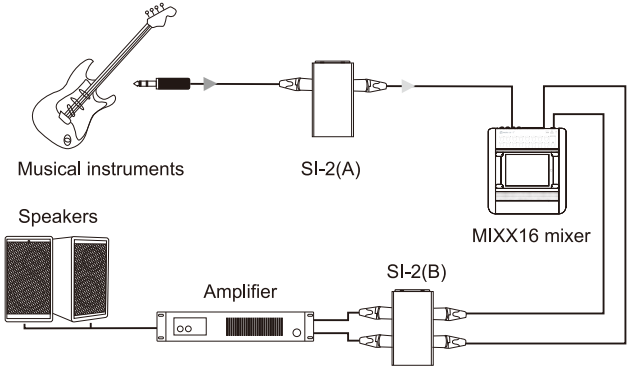
(Rear panel)



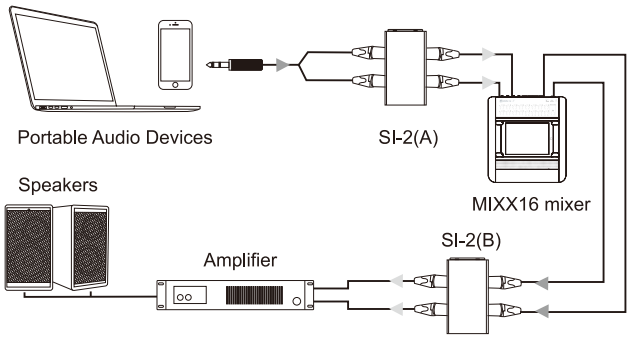
❶ I channel common ground and no common ground switch.
❷ I channel XLR female and 6.35mm jack dual-purpose balanced and unbalanced input.
❸ I+II channel shielded shell grounding switch.
❹ II channel XLR female and 6.35mm jack dual-purpose balanced and unbalanced input.
❺ II channel common ground and no common ground switch.
❻ II channel XLR male output.
❼ II channel 6.35mm jack balanced and unbalanced output.
❽ I channel 6.35mm jack balanced and unbalanced output.
❾ I channel XLR male output.

Isolator Application Connection Diagram

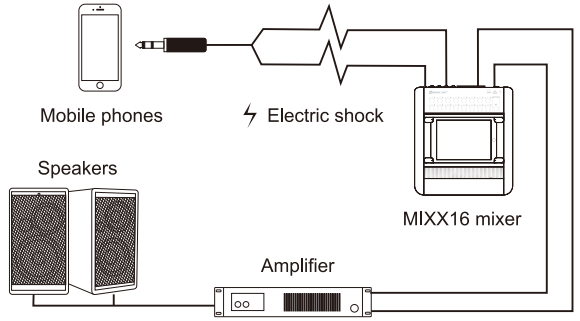
Application 1:



Application 2:



The hazards of not using an isolator:



Application

· Musical instruments, like guitar
· Amplifier and mixer connection
· PC and mobile phone

Specifications

DC impedance:	127 Ω at the input, 127 Ω at the output (1:1)
AC Impedance:	Input 600 Ω, Output 600 Ω (1:1)
Frequency response:	20 Hz — 20 KHz
Dynamic range:	>110 dB @ 1 KHz
T.H.D.:	<0.03% @1 KHz at +4 dBu
Loss attenuation:	-0.7 dB @ 1 KHz
Max Input level:	+4 dBu @ 20 Hz at 1% THD
	+13 dBu @ 50 Hz at 1% THD
	>30 dBu @ 1 KHz at <0.15% THD
Isolation voltage:	0 — 1250 V
Input interface:	XLR female * 2
Output interface:	XLR male * 2, 6.35mm socket * 2
Switch:	Channel A grounding switch
	Channel B grounding switch
	A+B shielded shell grounding switch
Size:	166 mm (L) X 43.8 mm (H) X 83 mm (W)
Weight:	about 0.5 Kg