

EIGHT CHANNEL HIGH PERFORMANCE
MICROPHONE SPLITTER

User Manual

MIC/LINE SPLITTER 8X XLR IN,
16X XLR OUT

Taking care of your ProSplit 8

Use the ProSplit 8 to split eight balanced low impedance microphone signals into sixteen balanced low impedance microphone signals (eight pairs). Each channel of the ProSplit 8 provides one direct output and one transformer isolated output from a single microphone.

Applications include sending the direct outputs to the main or FOH (Front Of House) mixer, and the second isolated outputs being sent to a monitor or recording mixer. The direct outputs pass phantom power from the main mixer to the microphones for use with condenser microphones.

SPECIFICATIONS:

NOTE: All measurements made from TRANSFORMER ISOLATED MICROPHONE OUTPUT with PAD SWITCH out (off) and 150 Ohm balanced source feeding MICROPHONE INPUT and 1K Ohm load connected to

The ProSplit 8 includes a ground-lift switch on each isolated output to reduce noise due to ground loops between connected equipment. For versatility the Pro-Split 8 also features an attenuator pad switch on each input that can be used to connect preamplified signals to the two microphone-level ProSplit 8 outputs on each channel. Typically, preamplified signals would originate from instrument preamplifiers, mixers, keyboards, etc. Rack mounting ears are reversible for flexibility in system cabling. The 19" 1U black all steel case and its all passive design allow the ProSplit 8 to provide years of trouble free service.

TRANSFORMER ISOLATED MICROPHONE OUTPUT to simulate a typical "real world" microphone and mic preamplifier.

• FREQUENCY RESPONSE:	20 Hz to 20K Hz, ±0.25 dB @ -15 dBu, -3 dB at approximately 165K Hz
• TOTAL HARMONIC DISTORTION:	Less than 0.26% from 20 Hz to 20K Hz at –15 dBu input Less than 0.1% from 45 Hz to 20K Hz at –15 dBu input 0.002% Typical at 1K Hz, –15 dBu input
• PHASE RESPONSE:	Less than 10 degrees at 20K Hz (ref. 1K Hz)
• INPUT IMPEDANCE:	Greater than 1.1K Ohms at 1K Hz (Typical driving source impedance is 150 Ohms)
• OUTPUT IMPEDANCE:	Less than 255 Ohms at 1K Hz (Typical output load impedance is 1K Ohms)
• COMMON MODE REJECTION RATIO:	Greater than 105 dB @ 60 Hz, Greater than 80 dB @ 3K Hz
• VOLTAGE INSERTION LOSS:	Approximately 2 dB at 1K Hz
• MAXIMUM INPUT LEVEL FOR 1% THD:	-1.4 dBu at 20 Hz, +3.5 dBu at 30 Hz, +9.4 dBu at 50 Hz
• DIMENSIONS:	1.75"H x 19"W x 3.75"D (44.5mm x 482.6mm x 95mm)
• WEIGHT:	3.75 lbs. (1.7 kg) Ref: 0 dBu = 0.775 VRMS

USAGE:

Connect low impedance dynamic or condenser microphone to any MICROPHONE INPUT on the ProSplit 8. (Alternatively connect line level signal to any MICROPHONE INPUT and engage corresponding front panel INPUT PAD switch.)

Connect corresponding DIRECT MICROPHONE OUTPUT to mic input on main mixer (switch phantom power on at mixer if desired).

Connect corresponding TRANSFORMER ISOLATED MICROPHONE OUTPUT to mic input on secondary mixer

or recording system. Set GROUND switches to LIFT or GND. Use whichever setting provides lowest noise performance.

NOTE: The chassis ground connects to the Channel One input ground only, in order to reduce the possibility of channel crosstalk through chassis ground. To provide the noise-shielding benefit of the chassis enclosure when the S8 is not mounted in a grounded rack system, be sure to use the Channel One input when using fewer than eight channel input connections.

IMPORTANT SAFETY INSTRUCTION – READ FIRST



This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.

Read instructions:

Retain these safety and operating instructions for future reference. Heed all warnings printed here and on the equipment. Follow the operating instructions printed in this user guide.

Do not open:

There are no user serviceable parts inside. Refer any service work to qualified technical personnel only.

Moisture:

To reduce the risk of fire or electrical shock do not expose the unit to rain, moisture or use in damp or wet conditions. Do not place container of liquid on it, which may spill into any openings.

Environment:

Protect from excessive dirt, dust, heat, and vibration when operating and storing. Avoid tobacco ash, drink spillage and smoke, especially that associated with smoke machines.

Handling:

To prevent damage to the controls and cosmetics avoid rough handling and excessive vibration. Protect the controls from damage during transit. Use adequate padding if you need to ship the unit. To avoid injury to yourself or damage to the equipment take care when lifting, moving or carrying the unit.

Servicing:

Refer servicing to qualified technical personnel only.