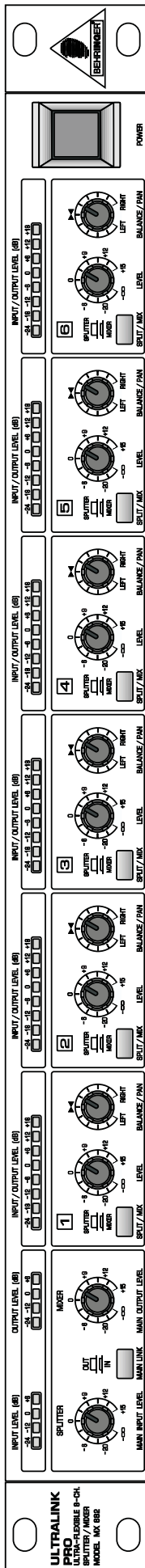


ULTRALINK PRO MX882



Technical Specifications

Version 1.1 May 2000

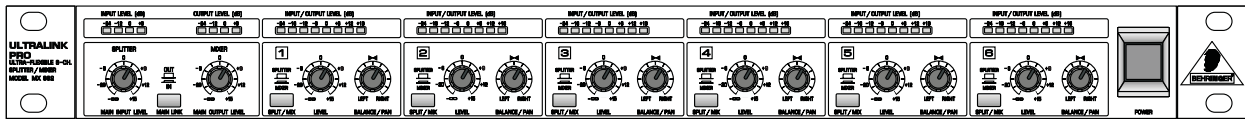
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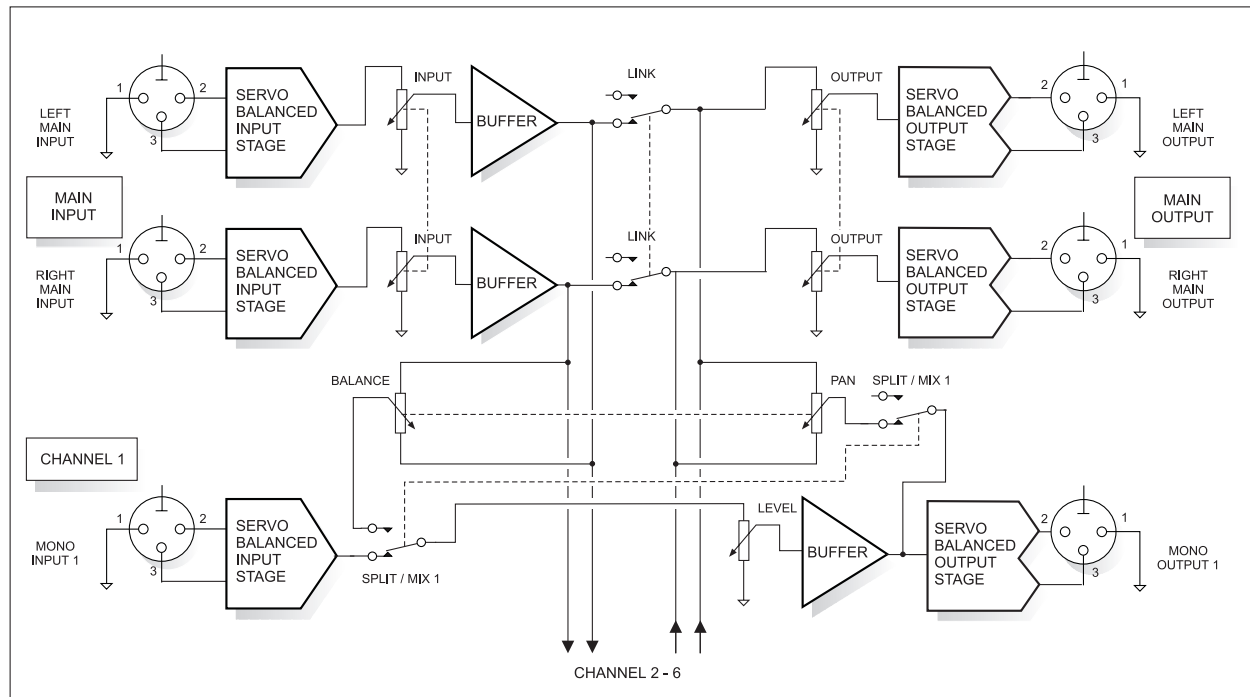
ULTRALINK PRO

Ultra-flexible, multi-purpose 8-channel Signal Router for stage and studio applications



- ▲ Use it as Effects Mixer, for P.A. Monitoring, Live Sound Systems, Theaters, Conference Rooms, Hotels, Churches, etc.
- ▲ Any channel can be selected either as Mixer or Splitter
- ▲ You can use it as 8-IN, 2-OUT Line Mixer
- ▲ You can use it as 2-IN, 8-OUT Line Splitter
- ▲ You can use it as 6-IN, 6-OUT Line Driver or DI-box
- ▲ You can use it as independent line driver to convert -10 dBV into +4 dBu or vice versa
- ▲ Extremely high headroom - offering more dynamic range
- ▲ Ultra-wide bandwidth from 2 Hz to 200 kHz for “open” sound
- ▲ Offers you 6 mono inputs, 6 mono outputs, 2 main inputs and 2 main outputs
- ▲ Offers you 6 Input Level controls, 6 Balance/Pan controls, a Main Input and a Main Output control
- ▲ A Main Link switch allows you to route the Main Input to the Main Output to link several units
- ▲ Accurate 4 / 8-segment LED metering for each individual gain section
- ▲ Servo-balanced gold-plated XLR and 1/4" TRS inputs and outputs
- ▲ Completely versatile DI-Box due to servo-balanced inputs and outputs
- ▲ Ultra-low noise 4580 audio operational amplifiers for outstanding sound performance
- ▲ High-quality detented potentiometers and illuminated switches
- ▲ Manufactured under ISO9000 certified management system

BLOCK DIAGRAM



MAIN Section

Both main inputs interface via the MAIN INPUT LEVEL control with the input bus as well as with the main outputs. The MAIN OUTPUT LEVEL control determines the output level of the signals which are summed by the second bus (i.e., the output bus) and are subsequently routed to the main outputs.

SPLIT Mode

In SPLIT mode, the main input signal is sent via the BALANCE control to the output buffer amplifiers of the mono channels, with the LEVEL control determining the output level of the respective channel. The maximum gain is +15 dB.

MIX Mode

In MIX mode, the input signals of the mono channels are “collected” via the LEVEL and PAN controls and are routed to the output bus. In this mode, the LEVEL control determines the amount of each channel at the output bus, while the PAN control is responsible for the allocation of the input signal to the left and right main outputs.

Additionally, the input signal is routed to the respective mono outputs, i.e., the circuit acts as a matching amplifier. The LEVEL control allows for level compensation of up to +15 dB.

SPECIFICATIONS

AUDIO INPUTS

Connectors	XLR and 1/4" jack
Type	RF filtered, servo-balanced input
Impedance	50 kOhms balanced, 25 kOhms unbalanced
Nominal operating level	-10 dBV to +4 dBu
Max. input level	+21 dBu balanced and unbalanced
CMRR	Typ. 40 dB, > 55 dB @ 1 kHz

AUDIO OUTPUTS

Connectors	XLR and 1/4" jack
Type	electronically servo-balanced output stage
Impedance	60 Ohms balanced, 30 Ohms unbalanced
Max. output level	+22 dBu balanced and unbalanced

SYSTEM SPECIFICATIONS

Frequency response	5 Hz to 200 kHz, +/- 3 dB
S/N ratio	>95 dBu, unweighted, 22 Hz to 22 kHz
THD	0.002 % typ. @ +4 dBu, 1kHz, gain 1

FUNCTION CONTROLS

Main input level	variable
Main output level	variable
Level	variable for each channel
Balance/pan	placing in the stereo field

FUNCTION SWITCHES

Main Link	links the main input signal to the main output
Split/mix	changeover from split to mix mode for each channel

INDICATORS

Input level (main)	4-digit LED display: -24/-12/0/+6 dB
Output level (main)	4-digit LED display: -24/-12/0/+6 dB
Input/output level	8-digit LED display: -24/-18/-12/-6/0/+6/+12/+18 dB

POWER SUPPLY

Mains Voltages	USA/Canada	120 V ~, 60 Hz
	U.K./Australia	240 V ~, 50 Hz
	Europe	230 V ~, 50 Hz
	General export model	100 - 120 V ~, 200 - 240 V ~, 50 - 60 Hz
Power Consumption	max. 35 Watts	
Fuse	100 - 120 V ~:	T 630 mA H
	200 - 240 V ~:	T 315 mA H
Mains Connection	Standard IEC receptacle	

PHYSICAL

Dimension	app. 1 3/4" (44.5 mm) * 19" (482.6 mm) * 8.5" (217 mm)
Net Weight	app. 3.0 kg
Shipping Weight	app. 3.8 kg

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