

DX500

PRO MIXER

Technical Specifications

Version 1.2 July 2000

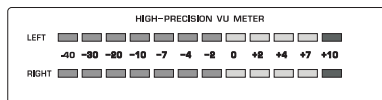
ENGLISH

BEHRINGER®
ULTRA-LOW NOISE DESIGN

PRO MIXER DX 500
PROFESSIONAL DJ MIXER WITH 12 SECOND DIGITAL SAMPLER



MIC INPUT



GAIN



CLIP



GAIN



CLIP



GAIN



CLIP



MAIN OUT



TREBLE



KILL



TREBLE



KILL



TREBLE



KILL



ZONE OUT



MID



KILL



MID



KILL



MID



KILL



PHONES



BASS



KILL



BASS



KILL



BASS



KILL



PFL MAIN BALANCE



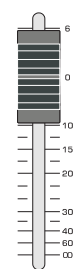
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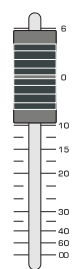
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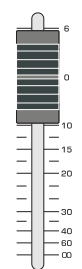
3



PFL 1 [TO SAMPLER]



PFL 2 [TO SAMPLER]

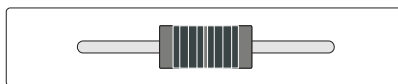


PFL 3 [TO SAMPLER]



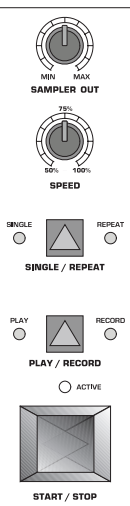
PUNCH 2

2



ULTRA-HIGH QUALITY FADER

3



PUNCH 3

MIC INPUT

PHONES



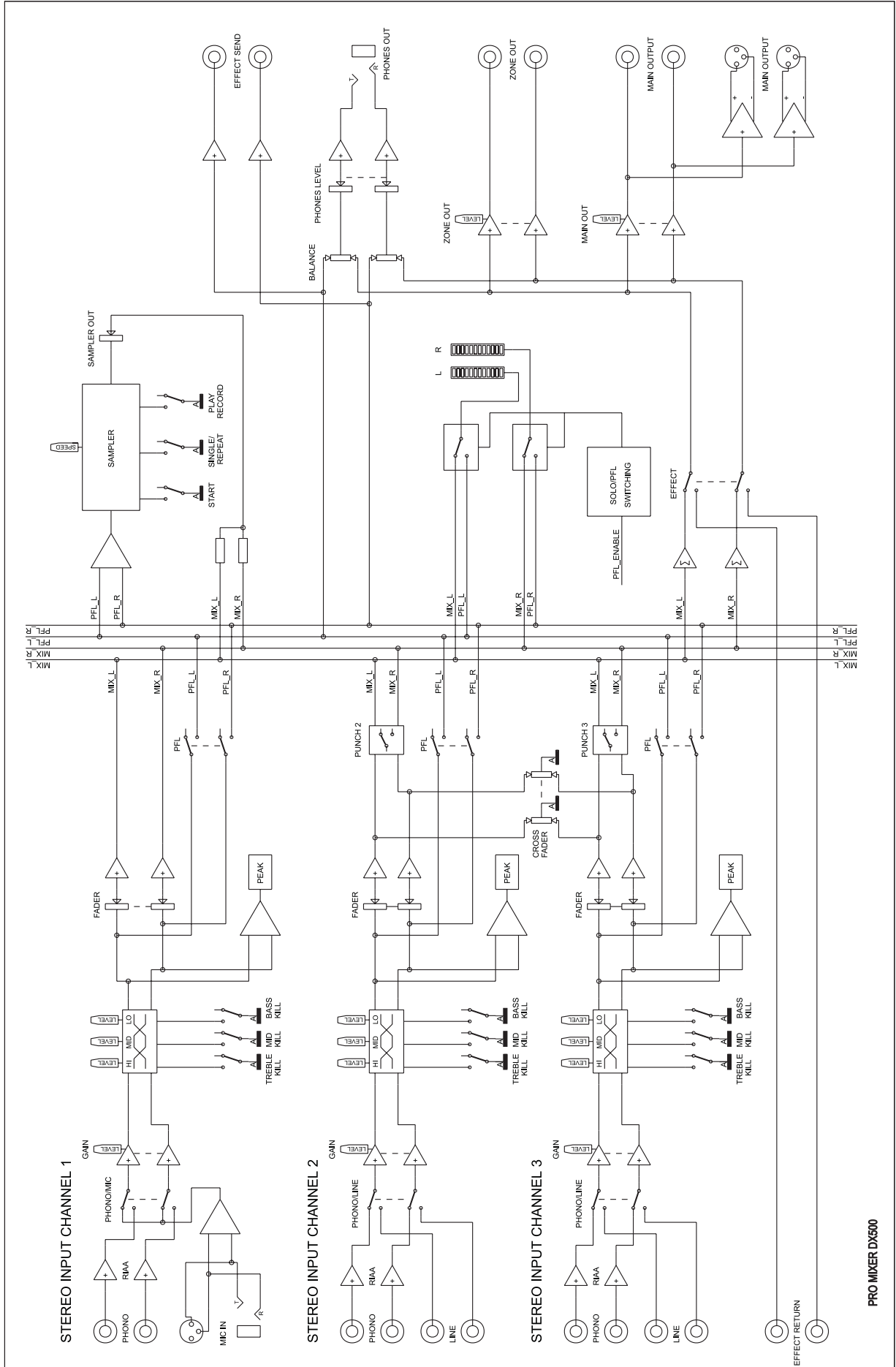
www.behringer.com

DX500

Professional DJ mixer with a total of 6 stereo sources on 3 dual-input channels

- ▲ Internal 12 second digital sampler with loop function offers you new creative possibilities
- ▲ High class microphone input with peak indicator
- ▲ High precision phono pre-amps for bass power and crystal clean sound
- ▲ Ultra-musical 3-band EQ with Kill switches for each band gives you all the creative power
- ▲ Ultra-low noise design comparable to studio grade consoles
- ▲ Replaceable and ultra-high quality crossfader
- ▲ Large Punch buttons at the crossfader – your big plus for creative mixing!
- ▲ PFL switches with status LEDs on all channels
- ▲ A Balance control allows you to blend between Main and PFL on the phones section
- ▲ External effect facility with send and return
- ▲ Additional, adjustable Zone output allows you to control the level of a monitor or secondary area
- ▲ Main outputs on professional balanced gold-plated XLR and on RCA connectors for parallel recording
- ▲ High precision 12-digit LED VU meters
- ▲ High-quality 60 mm channel faders as found in professional recording consoles
- ▲ Rugged external power supply ensures maximum signal integrity
- ▲ Top quality components ensure superb audio performance and maximum endurance
- ▲ Super-rugged construction ensures long life, even under the most demanding conditions
- ▲ Manufactured under ISO9000 certified management system

BLOCK DIAGRAM



PRO MIXER DX600

SPECIFICATIONS

MIC INPUT CHANNEL

Mic input	Electronically balanced, discrete input configuration
Gain	+20 to +40 dB
Frequency response	10 Hz to 35 kHz, +/- 3 dB
THD	0.012 % typ. @ -30 dBu, 1 kHz
S/N ratio	> 78 dB

STEREO INPUT CHANNELS

Phono/line input	unbalanced input
Gain	
Line	-10 to +12.5 dB
Phono	+30 to 52.5 dB
Frequency response	
Line	10 Hz to 62 kHz, +/- 3 dB
Phono	20 Hz to 20 kHz, RIAA
THD	
Line	0.008 % typ. @ 0 dBu, 1 kHz
Phono	0.02 % typ. @ -30 dBu, 1 kHz
S/N ratio	
Line	> 81 dB
Phono	> 75 dB
Crosstalk	
Line (L-R)	< -77 dB
Phono (L-R)	< -76 dB
EQ	
Low	50 Hz, +/- 10 dB
Mid	1600 Hz, +/- 10 dB
High	10 kHz, +/- 15 dB

CONNECTORS

Master out	
Cinch	0 dB
XLR	+6 dB
Zone out	
Cinch	0 dB (max. 10 dB gain)
Effect send	
Cinch	-6 dB

SAMPLER

Sample frequency	16 kHz (speed control at 100%)
Quantization	4 bit ADPCM

POWER SUPPLY

Mains Voltages	USA/Canada	120 V ~, 60 Hz, PSU MXUL 2
	U.K./Australia	240 V ~, 50 Hz, PSU MXEU 2
	Europe	230 V ~, 50 Hz, PSU MXEU 2
	General Export Model	100 - 120 V ~, 200 - 240 V ~, 50 - 60 Hz
Power supply unit		
Model MXEU2	In: 230 V ~ / 50 Hz (100 mA)	
	Out: 2 * 18.5 V ~ (500 mA)	
Model MXUL2	In: 115 V ~ / 60 Hz (200 mA)	
	Out: 2 * 18.5 V ~ (500 mA)	

PHYSICAL

Dimension (approx.; H * W * D)	14" (355.6 mm) * 11" (279.4 mm) * 2.5" / 4.65" (63.5 mm / 118.11 mm)
Net weight (without PSU)	approx. 3.3 kg

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