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LS9 Digital Mixing Consoles

Digital Mixing Console
comes with 2 models:
LS9-16 and LS9-32

DIGITAL MIXING CONSOLE **LS9**
QUICK REFERENCE

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General Specifications

Sampling Frequency

Internal: 44.1kHz, 48kHz
External: 39.69 - 50.88kHz

Fader

100mm motorized x33 <LS9-32> , x17 <LS9-16>

LCD Display

320 x 240 dots Graphic Color LCD

Phantom Power	48V
Dimensions (W x H x D mm)	LS9-32: 884 x 220 x 500 LS9-16: 480 x 220 x 500
Net Weight	LS9-32: 19.4kg LS9-16: 12kg
Power Requirements	LS9-32: 170 W, 110-240 V, 50/60 Hz LS9-16: 95 W, 110-240 V, 50/60 Hz
Temperature Range Operation free-air	+10°C to +35°C
Storage Temperature Range	-20°C to +60°C

Analog Input Characteristics

Input Terminals	GAIN	Actual Load Impedance	For Use With Nominal	Input Level			Connector
				Sensitivity *1	Nominal	Max. before clip	
INPUT 1-16 <LS9-16>	-62dB	3k Ω	50-600 Ω Mics &	-82dBu (61.6 μ V)	-62dBu (0.616mV)	-42dBu (6.16mV)	XLR-3-31 type with latch(Balanced)
INPUT 1-32 <LS9-32>	+10dB		600 Ω Lines	-10dBu (245mV)	+10dBu (2.45V)	+30dBu (24.5V)	

*1. Sensitivity is the lowest level that will produce an output of +4dBu(1.23V) or the nominal output level when the unit is set to maximum gain. (all faders and level controls are maximum position.)

*2. In these specifications, 0dBu = 0.775 Vrms.

*3. All input AD converters are 24bit linear, 128times oversampling.

*4. +48V DC (phantom power) is supplied to INPUT XLR type connectors via each individual software controlled switch.

Analog Output Characteristics

Output Terminals	Actual Source Imp.	For Use With Nominal	GAIN SW *5	Output Level		Connector
				Nominal	Max. before clip	
OMNI OUT 1-8 <LS9-16>	75 Ω	600 Ω Lines	+24dB (default)	+4dBu (1.23 V)	+24dBu (12.3 V)	XLR-3-32 Type (Balanced) *1
OMNI OUT 1-16 <LS9-32>			+18dB	-2dBu (616mV)	+18dBu (6.16V)	
PHONES OUT	15 Ω	8 Ω Phones	–	75mW	150mW	Stereo Phone Jack (TRS) (Unbalanced) *2
		40 Ω Phones	–	65mW	150mW	

*1. XLR-3-32 type connectors are balanced.(1=GND, 2=HOT, 3=COLD)

*2. PHONES stereo phone jack is unbalanced.(Tip=LEFT, Ring=RIGHT, Sleeve=GND)

*3. In these specifications, 0dBu = 0.775 Vrms.

*4. All output DA converters are 24bit, 128times oversampling.

*5. There are switches inside the body to preset the maximum output level.

Digital Input Characteristics

Terminal		Format	Data Length	Level	Connector
2TR IN DIGITAL	COAXIAL	IEC-60958	24bit	0.5Vpp/75 Ω	RCA Pin Jack

Digital Output Characteristics

Terminal		Format	Data Length	Level	Connector
2TR OUT DIGITAL	COAXIAL	IEC-60958 Consumer Use	24bit	0.5Vpp/75Ω	RCA Pin Jack

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