

DGS-XL

i7 Extreme SoundGrid DSP Server

OVERVIEW

Used on major tours and in pro studios, the DiGiGrid DGS-XL Extreme server will let you run as many Waves and other SoundGrid-compatible plugins as you want, on as many channels as you've got, and give your live shows studio-grade sound. For example, you can throw plugins modelled on the world's top consoles on each and every channel, and basically make your mixer sound like a classic top-tier desk.

The DiGiGrid DGS-XL incorporates a 4 port PoE capable switch, perfect for Live applications where additional DiGiGrid Desktop and rackmount interfaces are going to be used.



KEY FEATURES

Adds massive processing power to your system

i7 extreme SoundGrid server inside

Integrated 4 port PoE network switch

Ultra-low latency: as low as 0.8ms at 44.1, 48, 88.2 and 96kHz

Use Live or in the Studio

2U Rackmount unit

DiGiGrid audio interfaces give you the freedom to connect all your DAWs and hardware devices quickly and easily, and the power to run up to hundreds of plugins in real time. Waves, the world's leading developer of audio plugins, and DiGiCo, the world's leading manufacturer of professional mixing consoles, have joined forces to create the most advanced audio interfaces on the market, with award-winning preamps and superior networking and processing capabilities.

DGS
XL

TECHNICAL SPECIFICATIONS

FRONT

1 x Power button

SIGNAL PROCESSING

Internal SoundGrid DSP Server (SoundGrid Extreme V3 Server Equivalent)

64 channels of plugin processing at 48kHz or 96kHz

REAR

4 x Switched RJ45 Ethernet ports (PoE compatible)

1 x AC PSU

1 x USB 2.0 (Type A)

AUDIO SPECIFICATIONS

Sample Rate: 44.1kHz / 48kHz / 88.2kHz / 96kHz

Internal Latency: 0.8ms



A&E SPECIFICATION

The DiGiGrid DGS-XL shall be a DSP server for running Waves and other SoundGrid-compatible plugins in real-time.

The rear of the unit shall have 4 switched RJ45 ethernet ports for connection to other SoundGrid devices. These ports shall be PoE compatible and comply with the 802.3af standard, supplying up to 350mA per port. The rear of the unit shall also have an AC PSU and a USB port (for support only). The front of the unit shall have a power button for turning the device on and off.

The dimensions of the DGS-XL shall be: 482.6 (w) x 356 (d) x 88.1 (h) mm
The weight of the DGS-XL shall be: 7kg

The table below indicates the number of plugins that can be inserted into StudioRacks and loaded to DiGiGrid DGS-XL before the system reaches DSP overload (85%) or fails to play audio fluently (clicks, dropouts, corruption).

Plugin	44.1 kHz	96kHz
API 2500 (Mono)	512	414
API 550 (Mono)	512	512
API 560 (Mono)	115	95
AudioTrack(Mono)	512	512
C6 Multiband Compressor (Mono)	173	85
CLA-2A Compressor / Limiter(-Mono)	448	218
CLA-3A Compressor / Limiter(-Mono)	512	221
CLA-76 Compressor / Limiter(-Mono)	512	464
dbx® 160 Compressor / Limiter (Mono)	74	100
DeEsser(Mono)	512	512
Dorrough Stereo (Stereo)	512	512
H-Comp Hybrid Compressor(-Mono)	512	384
H-Delay Hybrid Delay(Mono)	512	256
H-EQ Hybrid Equalizer(Mono)	197	204
H-Reverb Hybrid Reverb* (Stereo)	16	11
IR1 Convolution Reverb*(Stereo)	61	25
IR-Live Convolution Reverb*(Stereo)	90	33
InPhase**(Mono)	184	184
J37 Tape(Mono)	104	116
Kramer HLS Channel(Mono)	290	104
Kramer Master Tape(Mono)	113	54
L2 Ultramaximizer(Mono)	512	400
LoAir(Mono)	512	376
MaxxVolume(Mono)	512	512

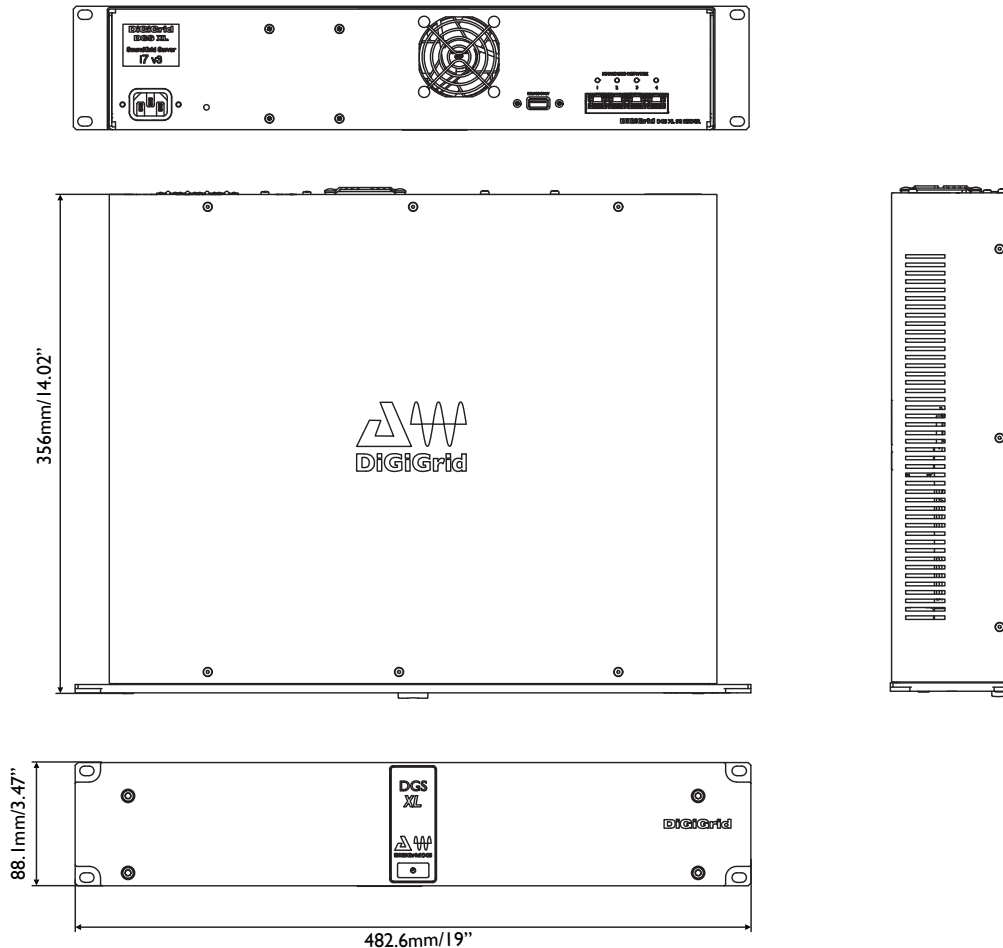
Plugin	44.1 kHz	96kHz
NLS Non-Linear Summer(Mono)	512	230
PuigChild Compressor(Mono)	512	220
PuigTec EQPIA(Mono)	200	136
REDD 17(Mono)	272	69
Renaissance Bass(Mono)	512	404
Renaissance Channel(Mono)	512	358
Renaissance Compressor(Mono)	512	512
Renaissance Equalizer (REQ6) (Mono)	512	512
Renaissance Reverb(Stereo)	210	114
Renaissance Vox(Mono)	512	512
Scheps 73(Mono)	272	238
SSL E-Channel(Mono)	512	405
SSL G-Channel(Mono)	512	405
SSL G-Equalizer(Mono)	512	512
SSL G-Master Buss Comp(-Mono)	512	405
TG 12345(Mono)	62	75
TransX Multi(Mono)	512	294
TransX Wide(Mono)	512	512
Vitamin Sonic Enhancer(Mono)	240	144

SoundGrid audio networking gives you the freedom to connect multiple I/Os, mixing consoles, DAW computers and DSP servers to the same system, all using standard Cat 5e/Cat 6 Ethernet cables. Boasting state-of-the-art AD/DA convertors, DiGiGrid intergaces ensure high fidelity with uncompromising dynamic range, plus the ease and flexibility of the SoundGrid network.

DGS
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LINE DRAWING

All dimensions in mm



PHYSICAL

Dimensions: 482.6mm (w) x 356mm (d) x 88.1mm (h)

Weight: 7kg (9kg boxed)

Power Requirements: 100-240 VAC, 2.0A, 50/60Hz

Product Code: X-DG-DGS-XL

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