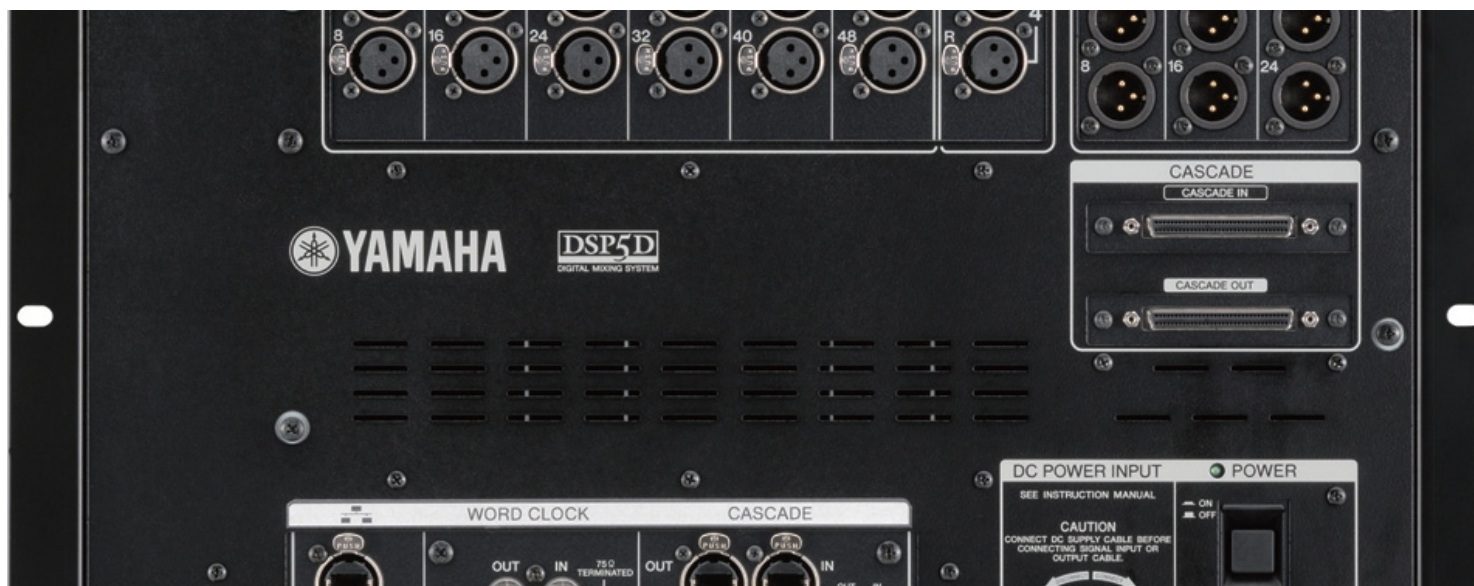


# YAMAHA DSP5D / DCU5D MIXING UNIT



The DSP5D provides essentially all of the functionality of a PM5D-RH minus the control surface, in a rack-mountable unit that can be seamlessly controlled from a PM5D (RH) console.

## Key Benefits

- 48 microphone/line and four stereo inputs.
- 24 mix buses that can be cascade-connected to a PM5D V2 console.
- Comprehensive control from a computer running the DSP5D Editor.
- Remote control from a PM5D V2 via the DCU5D Digital Cabling Unit.



The DCU5D lets you locate the DSP5D as far as 120 meters from the PM5D console, connected by a single Cat-5 Ethernet cable.

## General Specifications (DSP5D)

### Analog Input Characteristics

<b>PAD</b> INPUT 1-48/ST IN 1-4[L,R]	<b>GAIN</b> - 62dB / +10dB	<b>Actual Load Impedance</b> - 3kΩ	<b>For Use With Nominal</b> 50-600Ω Mics & 600Ω Lines
<b>Input Terminals</b> INPUT 1-48/ST IN 1-4[L,R]	<b>Sensitivity</b> -62dB +10dB	<b>Nominal</b> - 62dBu - 10dBu	<b>Max. Before clip</b> -42dBu + 30dBu
<b>Output Terminals</b> OMNI OUT 1-16	<b>Actual Source Impedance</b> 150Ω	<b>For use with Nominal</b> 600ΩLines	<b>Gain SW</b> +24dB / +18dB
<b>Output Terminals</b> OMNI OUT 1-16	<b>Nominal</b> +4dBu / - 2dBu	<b>Max. Before clip</b> +24dBu / +18dBu	<b>Connector</b> XLR-3-32 type

### Analog Output Characteristics

### Digital Input Characteristics

<b>Terminal</b> Cascade In	<b>Level</b> RS422	<b>Connector</b> D-sub Half Pitch / Connector 68Pin (female)
<b>Terminal</b> Cascade In	<b>Level</b> 100Base-TX	<b>Connector</b> RJ-45

### Digital Output Characteristics

<b>Terminal</b> Cascade In	<b>Level</b> RS422	<b>Connector</b> D-sub Half Pitch / Connector 68Pin (female)
<b>Terminal</b> Cascade In	<b>Level</b> 100Base-TX	<b>Connector</b> RJ-45

## General Specifications (DSP5D)

### Internal processing

### Sampling frequency rate

### Signal Delay

### Total harmonic distortion

### Frequency response

### Dynamic range

### Hum & noise level

### Crosstalk

### Power requirements

### Power consumption

### Dimensions (W x H x D)

### Weight

32bit (Accumulator=58bit)	External: 42.9975kHz to 49.2kHz	85.995kHz to 98.4kHz
Internal: 44.1kHz, 48kHz, 88.2kHz, 96kHz	≥ 0.05% 20Hz to 40kHz, (@88.2kHz, 96kHz)	
≥ 2.5ms (@48kHz) / ≥ 1.25ms (@96kHz)	0, +0.5, -1.5dB; 20Hz to 40kHz (@88.2kHz, 96kHz)	
≥ 0.05% 20Hz to 20kHz, (@44.1kHz, 48kHz)	AD+DA: 108dB@48kHz; 106dB@96kHz	
≥ 0.05% 20Hz to 20kHz, (@44.1kHz, 48kHz)	- 86dB residual output noise	
0, +0.5, -1.5dB; 20Hz to 20kHz (@44.1kHz, 48kHz)	80dB input to output	
DA: 110dB		
- 128dB equivalent input noise		
(@1kHz) 80dB adjacent input channels		

## General Specifications (DCU5D)

### Sampling frequency rate

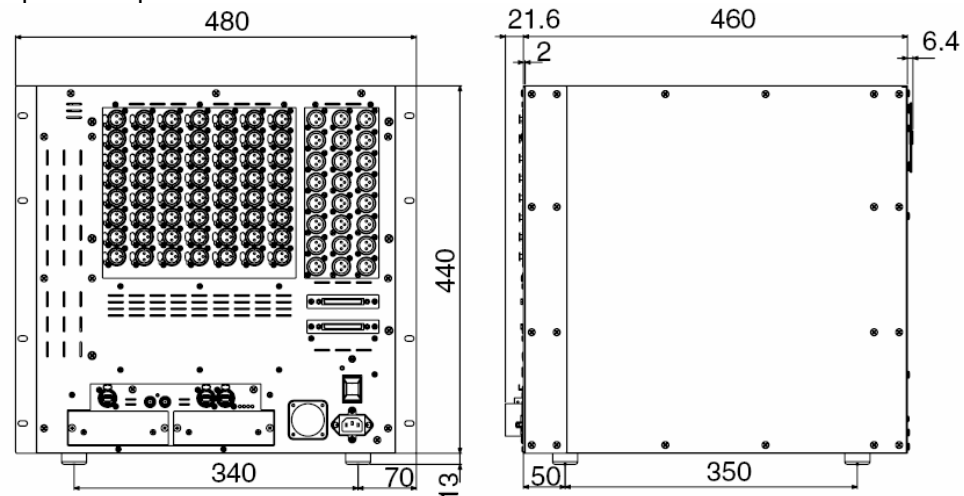
### Power requirements

### Power consumption

### Dimensions (W x H x D)

### Weight

Internal: 44.1kHz, 48kHz, 88.2kHz, 96kHz
External: 42.9975kHz to 49.2kHz b/ 85.995kHz to 98.4kHz
AC100-240V 50/60Hz, and/or DC12V
12W
480 x 44 x 150 mm (18.9" x 1.7" x 5.9")
2.3kg (5lbs)



### Dimension Audio

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