

Overview

Powerful editing control for Nuage DAW system



Rear Panel

Features

- Everything needed for fast, efficient DAW editing within easy reach.
- Responsive touch-screen display plus eight touch-sensitive multi-function knobs provide direct control of EQ, dynamics, plug-in effects, and other parameters.
- Precision machined high resolution jog wheel contributes to effortless editing and transport control.
- User Assignable Section with controls that can be customized to allow direct access to functions and parameters needed for the task at hand.
- One Nuage Master unit can be used with from one to three Nuage Fader units, according to the number of physical fader channels required.

Specifications

General Specifications

Power Requirements	30W
Power Consumption	US/Canada: 120V 60Hz, Japan: 100V 50/60Hz, China: 110-240V 50/60Hz, Korea: 220V 60Hz, Other: 110-240V 50/60Hz
Operating Temperature Range	0°C ~ 40°C
Storage Temperature Range	-20°C ~ 60°C
Dimensions (W x H x D)	354mm x 161mm x 720mm (13-7/8" x 6-3/8" x 28-3/8")
Net Weight	10.0kg (22.0lbs)
Included Accessories	Jog wheel, Power cable, Brackets (2), Getting Started Guide

Electrical Characteristics

	Input	Output	RL	Conditions	
Frequency Response	TO PHONES	Phones A or B	8Ω	Phones level control max, Input level +4dBu (typ), 20Hz-20kHz, ref to the nominal output level @1kHz	+0.5, -3dB
Total Harmonic Distortion*1	TO PHONES	Phones A or B	8Ω	+4dB@20Hz-20kHz, Phones level control max	0.04%
Hum&Noise*2	TO PHONES	Phones A or B	8Ω	Residual output noise, Phones level control min	-100dBu
Crosstalk@1kHz*3	CH L	Phones out CH R	-	L/R, adjacent inputs	-80dB
	CH R	Phones out CH L	-		

All level controls are the nominal position. Output impedance of signal generator: 150 ohms. 0dBu = 0.775Vrms

Analog Input Characteristics

Input Terminals	Actual Load Impedance	For Use With Nominal	GAIN	Input level		Connector in Console
				Nominal	Max. before clip	
TO PHONES	20KΩ (BAL)	150Ω Lines	0dB	+4dBu (1.23 V)	+30dBu (24.56 V)	XLR3-31 type connectors*4

Analog Output Characteristics

Output Terminals	Actual Source Impedance	For Use With Nominal	Output level		Connector in Console
			Nominal	Max. before clip	
PHONES A	100Ω	8Ω Phones	4mW	25mW	Stereo Phone Jack (TRS) (Unbalanced)*5
		40Ω Phones	12mW	75mW	
PHONES B	100Ω	8Ω Phones	4mW	25mW	Stereo Phone Mini Jack (TRS) (Unbalanced)*5
		40Ω Phones	12mW	75mW	
TALKBACK OUT	75Ω	600Ω Lines	+4dBu (1.23 V)	+24dBu (12.3 V)	XLR-3-32 type (Balanced)*4

Control I/O Characteristics

Terminal	Format	Connector in Console
NETWORK	IEEE802.3 (10Base-T/100Base-TX)	RJ-45
REMOTE	RS-232C	D-SUB Connector 9P (Male)

Appendix

*1 Total Harmonic Distortion is measured with 80kHz LPF.

*2 Hum & Noise are measured with A-weighting filter and 30kHz LPF.

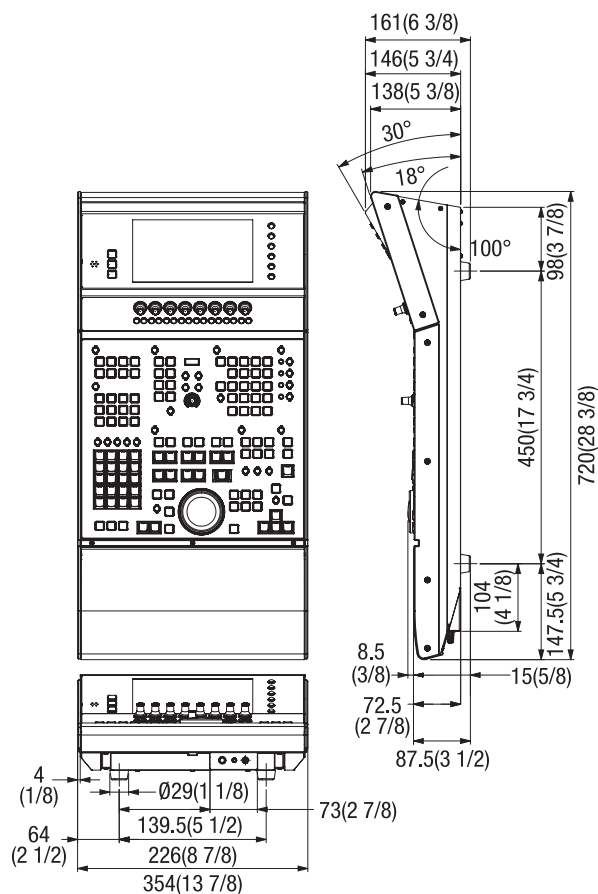
*3 Crosstalk is measured with a -30dB/octave filter @22kHz.

*4 XLR-3-31 and XLR-3-32 type connectors are balanced. (1=GND, 2=HOT, 3=COLD)

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

Dimensions

Unit: mm (inch)



Architectural and Engineering Specifications

The Yamaha Ncs500-CT “Nuage Master” shall be a master control surface for use with the Yamaha Nuage Advanced Production System. The Ncs500-CT shall provide functions for fast, efficient DAW editing control via an intuitive interface. It shall include a touch-screen Multi Function Display that allows easy access to record, playback, mix, edit, monitor, and preference parameters. The transport and editing section shall be arranged around a high-resolution jog wheel that offers sophisticated operating feel, allowing efficient operation of playback, record, and editing functions. Used with a Nuendo system in dubbing and Foley applications, an ADR Status Indicator shall indicate the Rehearse/Record/Review status of actors in the video window, a Free Run Mode shall allow simultaneous recording of multiple scenes, and an ADR Take List shall enable easy take management. The Control Room feature provided in Nuendo/Cubase DAW software shall be faithfully recreated on the Ncs500-CT panel, providing a software replication of large-console monitoring facilities so that full monitoring and communication capabilities are available without the need for additional equipment. The Ncs500-CT shall provide full support for the VST MultiPanner 3D surround plug-in included with Steinberg’s Nuendo DAW software, and the VST MultiPanner interface shall be faithfully reproduced on the Nuage Master touch screen for Dolby Atmos surround production support. Dimensions shall be 354W (W) x 161 (H) x 720 (D) mm. Weight shall be 10 kg.

*All information subject to change without notice.

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Created in March, 2017

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