



Neve 1073DPA & DPD Mic Pre Amplifiers

1073DPA

The latest addition to the Neve outboard range, the 1073DPA provides two of the world famous Class A Neve 1073 microphone pre-amplifiers. This classic design is the consummate mic pre for recording vocals, guitars and acoustic instruments of all descriptions. The sought after Neve Sound is now available in a cost effective 1U box.

1073DPD

Two classic Neve 1073 mic pre-amplifiers are complemented by pristine professional ADCs to capture a performance to any required format. In addition to Neve's famous Class A analogue outputs are a series of digital options including all standard PCM sampling rates up to 192kHz. A unique feature is the Neve DSD output. Analogue insert points are provided ahead of the ADCs. The ultimate analogue circuitry is coupled with superior digital quality making this unit the obvious choice as a front end for recording to workstations.

"The Neve sound is like none other, it's the most dynamic, richest, clearest, beautiful sound I have ever heard."

Junior Sanchez



Specifications

1073DPA

Input Impedance:	Mic switchable Line	300ohm or 1200ohm 20kohm
Frequency Response:	60dB gain into 600ohm +/-0.5dB	20Hz to 20kHz
	60dB gain into 600ohm -3dB	20Hz to 40kHz
EIN:	Mic 60dB gain	<-125dB
THD+Noise:	+20dBu into 600ohm 50Hz to 10kHz	<0.07%

1073DPD ADC

Input Impedance:		20kohm
Frequency Response:	48kHz +/-1.25dB 96kHz +/-1dB 192kHz +/-1dB	<10Hz to 20kHz <10Hz to 40kHz <10Hz to >40kHz
Dynamic Range:		>106dB

Dimensions:

The 1073DPA & DPD are supplied in a 1U, 19" rack-mounting unit.

Height	Depth	Approx. Weight
mm (inches)	mm (inches)	kg (lbs)
45 (1.75)	254 (10)	5 (11)

Amplifier Controls

1073DPA and 1073DPD

Mic Input

1200ohm (Hi-Z) or 300ohm (Lo-Z) input impedance transformer coupled stage. 48V is switchable onto the Mic Input. Mic gain is across two class A gain stages. The signal then feeds a transformer balanced class A output stage via a +/-10dB trim.

Line Input

20k input impedance, +26dBu peak signal level. Electronically balanced input stage. Either a 1/4inch jack or a male XLR can be used. Gain from this input is applied in the second class A gain stage and is output through the same class A transformer coupled output stage as the Mic In.

Line Output

Phase reversal is available pre Line Output. The Line Output has a minimum +26dBu peak output level. The peak LEDs will illuminate 3dB below clipping.

1073DPD

In addition the 1073DPD has an ADC converter. The input to the converter is fed from the Line Output XLR. This ensures that the digital output signal includes the analogue class A output and transformer colouration.

The signal passes to the ADC via a 1/4inch jack Insert point. A balanced signal can be plugged into the Insert jack and it will break the path from the Line Output to the ADC, substituting the Insert signal.

Sampling Frequency

The left hand FORMAT switch selects the 44.1 kHz PCM range, the 48kHz PCM range or DSD. The right hand SAMPLE RATE switch selects which multiple of sampling rate to use e.g. 48, 96 or 192kHz.

Sync Inputs

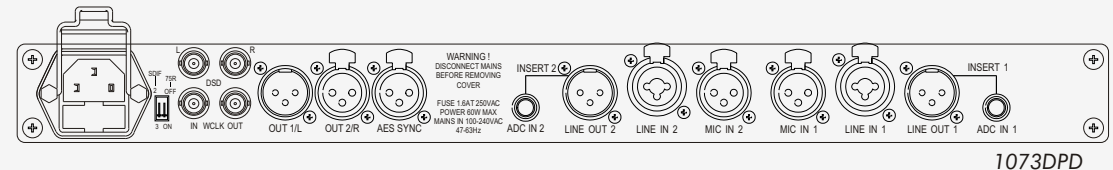
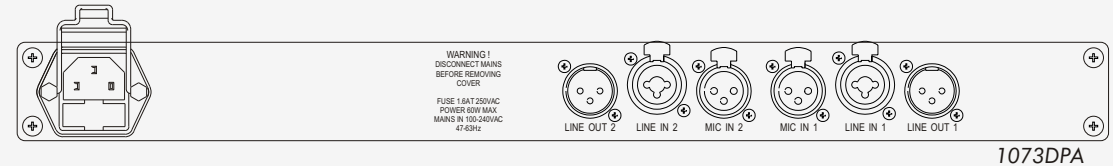
The 1073DPD has two sync inputs; AES3 on a female XLR and wordclock on a chassis BNC. If neither Sync Input is present the unit will synchronise to its internal crystal clock. A rear panel switch selects 75ohm input impedance for the wordclock.

Double Rate AES Output

It is possible to select 96kHz (or 88.1 kHz) sampling rate with a 48kHz (or 44.1 kHz) sync input. Similarly it is possible to select 192kHz (or 176.2kHz) sampling rate with a 96kHz (or 88.1 kHz) sync input. This will cause the unit to output double rate AES on the two output AES connectors.

DSD

Selecting DSD will default to 44.1 kHz reference. If no sync is available it will use the internal crystal reference.



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