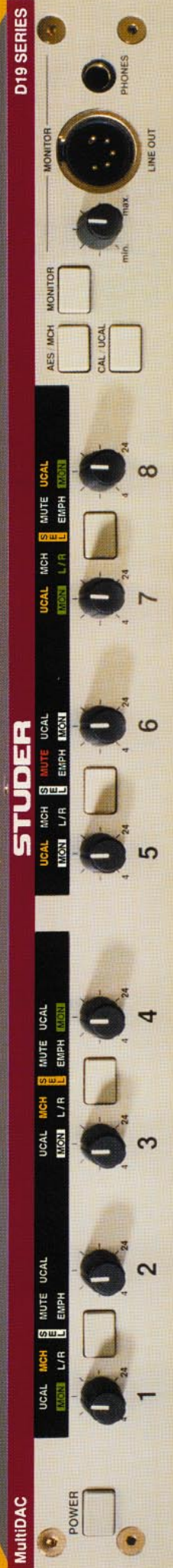


STUDER
PROFESSIONAL AUDIO EQUIPMENT

D19 Series MultiDAC

8 ch Digital to Analog
Converter with
MixMonitor Function



The new **MultiDAC** is a fine standalone device, and it also beautifully blends in with the other members of **STUDER's D19 Series**, allowing many applications to be realized with highest audio quality. Its unique features such as the 23 bit converters, the compactness of having 8 fully featured D/A channels in only 1HU of space and the **MixMonitor** function make it almost unavoidable in any studio environment.

Basic Technical Data

D/A converter	23 bit resolution	Deemphasis	50/15 μ s, automatic
Signal-to-noise	> 116 dB, unweighted, 20Hz ... 20kHz	Monitor output	+24 dBu max output level, balanced
Crosstalk	< -100 dB, 20Hz ... 20kHz	Headphones	5-pin XLR for left/right outputs
THD+N	< -116 dBFS, at -30dBFS	Power supply	1/4" stereo headphone jack
Max. output level	+24 dBu, into 600 Ohms, transformer balanced 3-pin XLR	Dimensions	100-240V, 47-63Hz 19"/1HU, 482 (W) x 44 (H) x 462 (D) mm

D19 Series MultiDAC

D19 SERIES

8 Channel Digital to Analog Converter with MixMonitor Function

- 8 channel D to A with 23-bit converters
- **MixMonitor** feature – unique 8 channel mixing and monitoring facility
- adjustable/setable analog level per channel
- **AES/EBU** inputs standard
- optional **ADAT / TDIF** input modules
- analog outputs on **XLR, +24 dBu, transformer balanced**
- **headphone output with volume control**
- **very compact: 8 D/A channels in 1HU**

The D19 MultiDAC Basics

The **D19 MultiDAC** is an 8 channel digital to analog converter with **MixMonitor** function. It is packed into one 19" rack unit and contains 8 independent 23 bit D/A high performance converters. Rather than just having simple D/A converter functions, a monitoring facility named **MixMonitor** has been included.

The **MultiDAC** enhances the **D19 Series**, building a complement to the already established **D19 MicAD** preamplifier, but also can be used on its own and as a system component.

The MixMonitor Feature - a nice Touch

The **MixMonitor** function allows front panel listening to any of the outputs in mono or stereo for easy and quick control of any of the channels. In addition, any combination of the output channels can be mixed to the monitor output in mono or stereo for listening to up to 8 channels! The **MixMonitor** controls are situated on the right hand side of the front panel and comprise a headphone jack, a 5-pin balanced line level XLR output and a volume control. So, the **MultiDAC** is not only a high quality D/A converter, but is also a 8 channel mixer.

In other words, the mixing is independent of the main channel outputs and can also be used in applications where fixed and calibrated analog outputs are required without the danger of inadvertently changing the main output levels.

Audio Connections & Options

The **MultiDAC** is delivered with 4 AES/EBU inputs as standard. Optionally, a selection of input modules can be added for either of the following formats:

- **ADAT™** 8 channel optical digital input module
- **TDIF-1™** 8 channel digital input module

This enables direct connection of the popular 8 channel modular digital multitrack recorders. Any channel pair can be selected to take its signal either from the AES/EBU inputs or from the corresponding channel of the multichannel card. The selection is indicated on the front panel.

The 8 analog outputs are transformer balanced and have XLR connectors. The output level can be set to a predefined value in the calibrated mode, or

individually adjusted with the front panel potentiometer. In the calibrated mode the line outputs are in calibrated position and the channel potentiometers only influence the monitor mix.

Digital Synchronization

The eight individual D/A converters can operate from a wide range of sampling frequencies. There is no need for an external sync signal because each D/A converter is equipped with a sampling frequency converter and will synchronize to the incoming signals. Each input can work with a different sampling rate if needed. Alternatively the **MultiDAC** can be internally set to use one of the inputs (any AES or MCH) as a reference for all D/A converters.



Application Field

The **D19 MultiDAC** can be used for a variety of applications such as:

- Professional Studio – used as a universal building block, e.g. with other products from the **D19 Series**
- Systems & Projects – System component for **STUDER's D940/D941** digital mixers, **MADI Router** and other products
- Stereo Mastering – used as the ultimate D/A converter for analog masters
- Direct-to-Disc Recording – used as the perfect back end with direct digital inputs
- Project Studios, Musicians – perfect back end for **ADAT™/DA88™** or other modular recorders
- Postproduction – back end for **STUDER Dyaxis** and other Digital Audio Workstations
- Rental houses, hire businesses – general system component

D19 MultiDAC Ordering Info:

Order No.	66.660.00000	D19 MultiDAC
	1.660.050.20	ADAT™ 8 channel optical digital audio input module
	1.660.052.20	TDIF™ 8 channel digital audio input module

For further information please contact your Representative or call or fax **STUDER** direct. We reserve the right to make alterations without prior notice.

Your Representative