

Features

- Easy linking to miniDSP Flex

Hardware

- ESS ES9821Q chipset
 SPDIF & TOSLINK outputs for
 computerless digitization
 118dB SNR / -114dB THD+N
 Sample rates 48/96/192kHz

Applications

- Pocket size A/D conversion

The miniDSP Pocket ADC is an extremely compact high-resolution A/D (analog-to-digital) convertor that accepts a stereo analog input on singleended (RCA) connectors and converts it to SPDIF coaxial and TOSLINK optical digital outputs. This pocket size converter supports high sample rate and extremely low noise floor performance to provide optimal digitization of your favorite analog audio content.





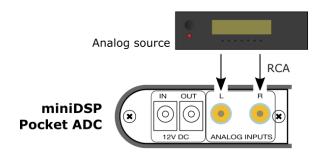
TYPICAL APPLICATION

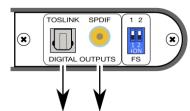
	Description
ADC Chipset	ESS ES9821Q
ADC resolution/Sample rate	24 bit - 48/96/192kHz selectable via front panel dip switches
Digital Audio Output Connectivity	1 x SPDIF on RCA connector, 1 x OPTICAL on Toslink connector
Input/Output configuration	2 x channel analog in (Unbalanced), 2 x channel digital out
Frequency response	20 Hz - 20 kHz ± 0.1 dB
Maximum analog input	2Vrms
Input impedance	100kΩ
Signal to Noise Ratio (SNR)	118dB(A)
THD+N @1kHz	-114dB(0.0002%)
Crosstalk	-130dB
Power Supply	Included external switching PSU 12V/1.6A (US/UK/EU/AU plugs) Link cable to power P-ADC and your Flex with a single power supply
Power Consumption	2 W (idle)
Dimensions	13 x 40 x 62 mm



MINIDSP

Audio Connections





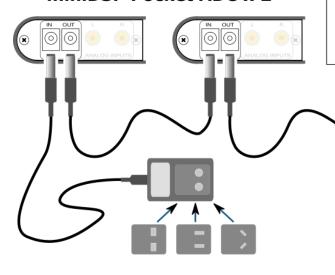
To digital inputs (e.g. on miniDSP processor, mixing desk, etc)

Connect a line-level analog source to the L and R RCA analog input jacks. These inputs accept a maximum signal level of 2.0 Vrms.

Connect one or both of the digital outputs to a TOSLINK (optical) or coax digital input on other equipment. The sample rate on these outputs follows the sample rate set by the DIP switches.

Power Connection





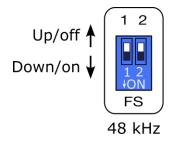


miniDSP Flex Eight

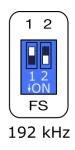
Use the power adapter supplied with your miniDSP Flex series processor. Connect this power adapter to the power IN jack on the Pocket ADC and connect the DC cable supplied with the Pocket ADC to the 12 VDC power connector on your Flex series processor.

Two Pocket ADCs can be connected to a Flex processor using a single power adapter, as shown in the diagram.

Sample Rate Setting









Set the DIP switches on the output panel for the desired sample rate. The white block indicates the switch position (e.g. both switches are up/off for 48 kHz).

