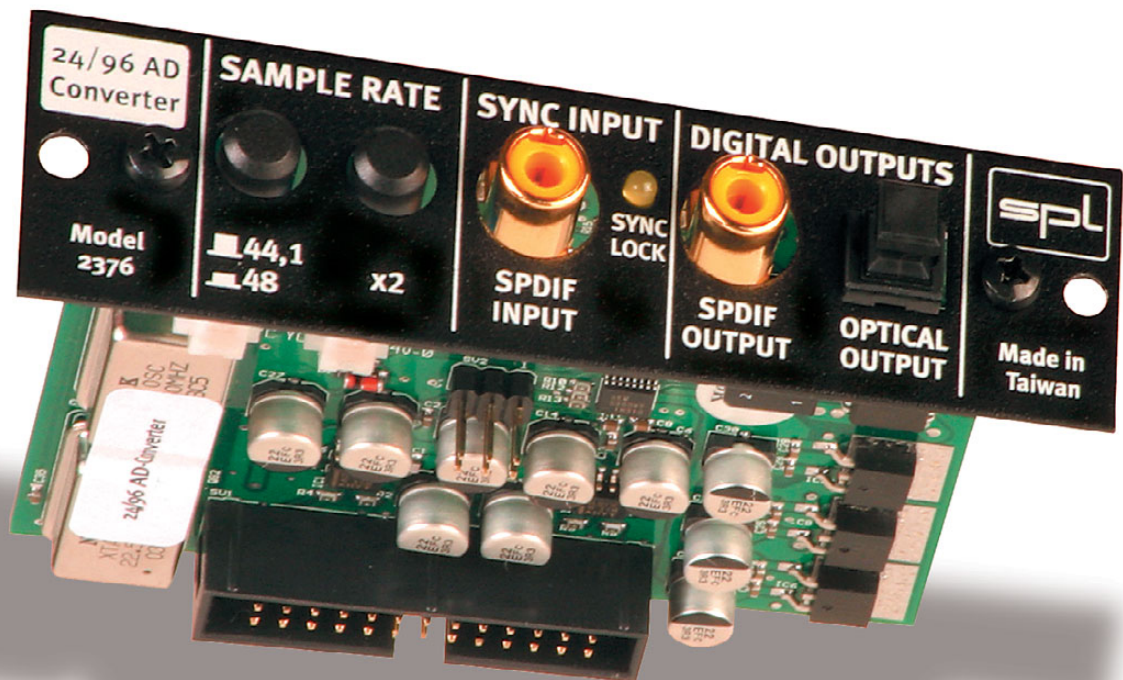


24/96 AD Converter Model 2376



The 24/96 AD Converter module is an optional digital output for compatible SPL devices* with a plug-and-play design for easy installation. It offers an S/P-DIF output with both coaxial and optical connectors in parallel.

The heart of the module is a 24-bit converter by AKM® with a variable sample rate of up to 96 kHz. The sample rate can be switched between 44.1, 48, 88.2 and 96 kHz. Highly accurate quartz oscillators ensure a clean, low-jitter master clock.

The converter can be synced to other digital devices via the SYNC input. If a valid signal is present, the converter automatically conforms to the sample rate received at the SYNC input. A yellow LED illuminates to display a valid sync signal. The internal oscillators are automatically disabled when an external clock signal is present to prevent interference.

An extremely effective voltage stabilizing circuit ensures that the converter continuously receives sufficient and stable voltage – an important prerequisite for clean, transparent audio.

The compact design of the input stage guarantees the shortest possible signal path to the converter. Oversized grounding surfaces on both sides of the circuit board effectively reduce interference and ensure optimal separation between analog and digital components.

**: Currently Track One Model 2058, Channel One Model 9945, Kultube Model 2049, GainStation 1 Model 2272.*

All units except GainStation 1 can be upgraded by users. The GainStation 1 can be ordered with or without converter, upgrades must be done by SPL or authorized service partners.

Technical Specifications

Sample rates:
44.1, 48, 88.2, 96 kHz

Dynamic range:
104 dB (A-weighted)

THD+N (@ -1 dBFS/1 kHz):
95 dB

Frequency response
(48 kHz):
10 Hz-22kHz, ±0.2 dB

Jitter (average;
700 Hz-100 kHz):
< 300 ps

Power consumption +15 V:
max. 94 mA

Power consumption -15 V:
max. 5 mA

Dimensions (W x H x D):
100 x 27 x 76 mm /
3.94 x 1.06 x 3 in.

Weight:
74 g / 2.6 oz.