

# EURORACK ER-140 SUMMUTE



REAL Innovation

## ARREL Audio Overview

**ARREL Audio** products, conceived for the professional audio engineer and musician, combines high reliability, rugged design, audio quality, versatility and ease of use. They are perfect for recording every kind of music in all the situations where the maximum sound quality is needed especially for actual digital recording 24bit/192kHz environments where superior performance is required.

They are based on the use of the latest circuit topologies, characterized by very low distortion, ultra-low noise and very wide frequency response. ARREL Audio systems are designed and hand-assembled in Italy with minimum cabling to obtain the best mechanical performances and the minimum degradation of the audio signal.

ARREL audio devices are designed utilizing mostly through-hole technology which provides better performances when compared to surface mount technology.

Moreover, no custom electronic components are used in ARREL Audio units.

Our aim is to transfer technology emerging from research in advanced innovative products.

## ER-140 SUMMUTE Muting/Summing Unit

The **ARREL Audio ER-140 SUMMUTE** Muting Summing Unit has been conceived to offer to the EURORACK Synthesizer technology the superior audio performance of the ARREL audio professional products. The ER-140 is characterized by high reliability, rugged design, outstanding audio quality, versatility and ease of use typical of the tradition of ARREL Audio products.

ER-140 is a passive muting unit working on 8 channels, red/green leds indicates the on/off muting, the push buttons are high quality devices used for our professional audio products. The muting circuit is passive so you can mute both audio signals and control voltages (CV). Moreover the ER-140 SUMMUTE works as a DC coupled audio summing unit on blocks of 4 channels. Being the summing circuits DC coupled, both CV and audio signal can be summed. Channel 1 through 4 can be summed into the SUM 1-4 output, the same for the block including channel 5-8. Every summing block is equipped with an output gain in the range (-70 dB, +10 dB) and a peak led. The peak led start to be active when the signal is about 3 dB below the maximum output signal level.

