

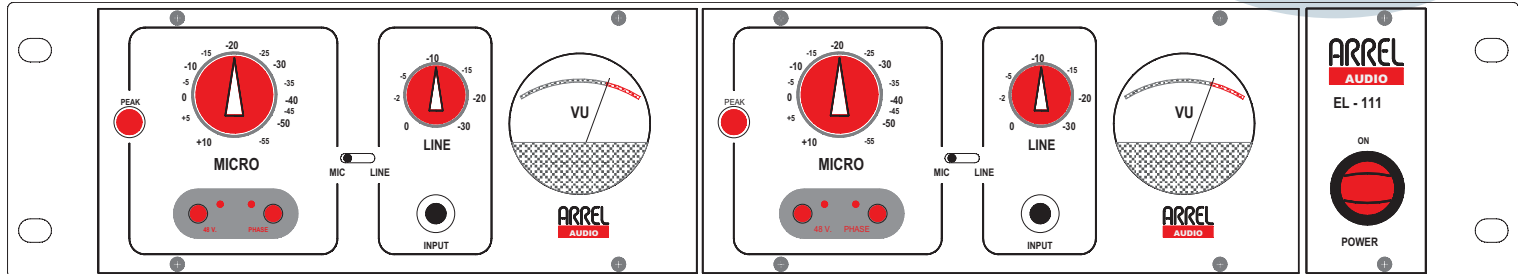
# ELITE SERIES

ARREL Audio ELITE Serie conceived for the professional user, combines high reliability, rugged design, audio sound quality and ease of use. The series is perfect for recording every kind of music in all the situations where the maximum sound quality is needed especially for actual 24 bit/192 KHz digital recording environments where superior performance is required. Moreover, no custom electronic components are used in ARREL Audio units. Our aim is to transfer technology emerging from research in advanced innovative products.



REAL Innovation

## EL-111 Dual Mic-Line Preamp



The ARREL Audio EL-111 modular mic-line preamplifier, conceived for professional user, combines high reliability, rugged design, audio quality, versatility and ease of use. EL-111 is perfect for recording every kind of music from classic, pop/rock, electronic, and in all the situations where the maximum sound quality and special attention to dynamic range and signal to noise ratio is needed. The EL-111 technical specification shows that it is the perfect audio system for actual digital recording 24bit/192kHz environments where superior performance is required.

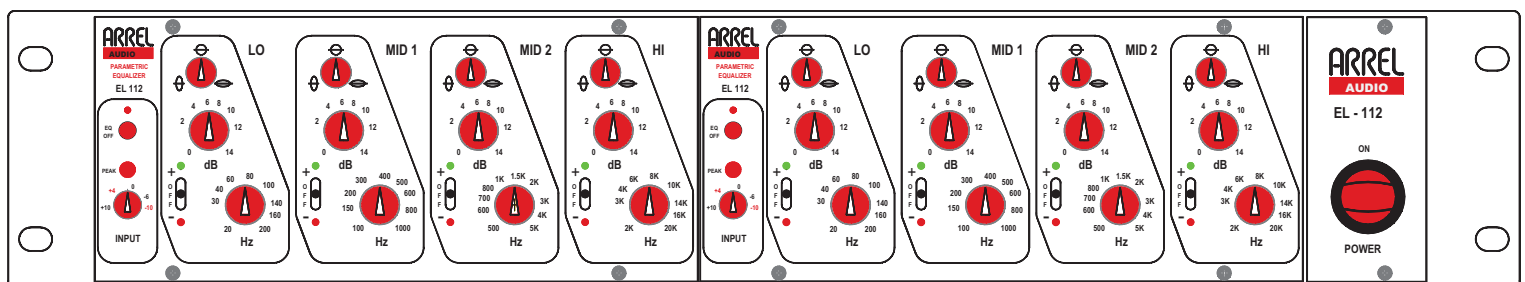
EL-111 is based on the use of the latest circuit topologies, characterized by very low distortion, ultra-low noise and very wide frequency response. The amplifier architecture is based on two high dynamic range gain stages in order to avoid saturation.

The EL-111 extended input dynamic range avoids the necessity of the input pad and the gain is controlled by a single large knob. In the EL-111, the two buttons for phantom power and phase inversion are mounted on a recessed panel in order to avoid accidental operations. The Line Input (unbalanced) is easily accessible from the front panel by a 1/4" TRS jack. A switch selects mic or line input. A separated knob is provided for the line-in gain.

The EL-111 is dedicated (due to his absolute sonic level quality) to high professional vocal recordings, classical instruments, high dynamic range instruments such as drums and percussions.

The EL-111 is composed by a 2U rack module equipped with the power supply and two mic-line preamplifier modules. Each module is completely independent and can be inspected separately; four screws are used to fix the modules. A chassis of the Classic Series can be configured with different modules of the Classic Series (for example a unit composed by a mic-preamplifier and a single equalizer to implement an advanced channel strip).

## EL 112 Four Band Parametric Equalizer



The ARREL Audio EL-112 is an advanced 2-channel four bands equalizer developed to meet the demands of professional recording and mastering engineers. The EL-112 features 4 parametric bands. Special analog design techniques have been used for precise control of the sound structure down to the minimum details. The EL-112 is based on Livio Agentini's patented single-stage parallel filters.

The EL-112 input section provides a continuous input level control in the -10/+10 dB range. A peak level detector circuit indicates when the output level is -6 dB with respect to the saturation level. The equalizer can be excluded by a true-bypass button.

The filtering section has 4 bands, LO, MID1, MID2, HI. For each band three rotary knobs controls the central frequency, the gain and the Q. The Emphasis/De-Emphasis is assisted by a three position switch (+ = Emphasis, off, - = De-Emphasis). In this way the full 300 degrees range of the potentiometer is available for the emphasis/de-emphasis allowing a very accurate control of the equalization in the range 0/14 dB. The Q is controlled by a potentiometer.

The EL-112 is composed by a 2U rack module equipped with the power supply and two equalizer modules. Each module is completely independent and can be inspected separately; four screws are used to fix the modules. A chassis of the Classic Series can be configured with different modules of the Classic Series (for example a unit composed by a mic-preamplifier and a single equalizer to implement an advanced channel strip).

The EL-112 is an innovative and flexible equalizer, ready to take its place in any high profile recording, mastering broadcast and live activities..

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