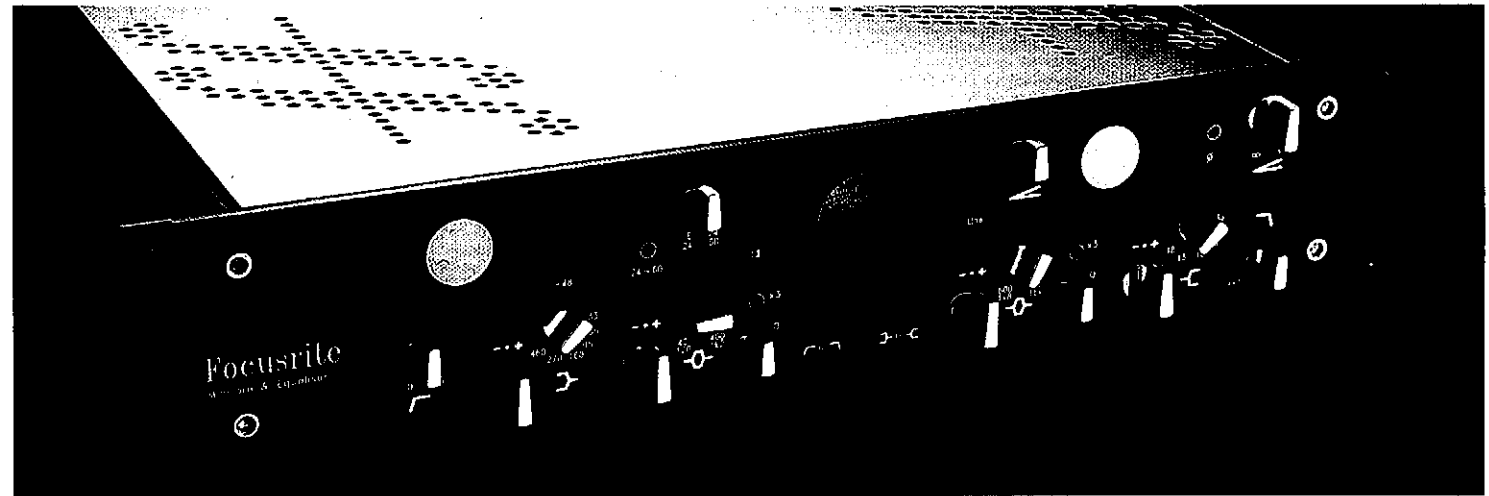


Red 6

Mono Mic-pre & Equaliser



"RED 6 brings to the Focusrite Red Range a combined Mic-preamplifier and Equaliser utilising the same circuits and components found in the RED 1 and RED 2 as well as the legendary blue ISA 110, 115 and 215 versions used on countless hit records in the world's top studios."

RED 6 has been developed to meet the needs of those engineers who's budget or requirement is for one channel of a Mic-pre and Equaliser the performance of which is simply outstanding, enabling direct-to-tape (or disc) recording equal to any studio in the world and optimising the performance of the chosen microphone.

In addition to the separate mic and line input gain controls, RED 6 is provided with an output fader giving up to 6dB of gain and infinite attenuation to enable optimum level matching after equalisation. Phantom power (48v) and phase switches and a VU meter complete the upper facilities.

The equaliser section provides (from left to right); a variable high-pass filter; L.F. shelving EQ with switchable frequencies; two parametric mid-bands with continuously variable frequency selection between two selectable ranges; H.F. shelving EQ with switchable frequencies; variable low-pass filter. The filters and equaliser are separately switchable in and out of circuit.

An essential contribution to the character of Focusrite products is the use of very high performance audio transformers. RED 6 features these at the Microphone input stage and at the output, providing the best possible interface with superb DC isolation

and electrical safety whilst maintaining an ultra-wide signal bandwidth and good overload margin. For low impedance microphones there is no electronic input stage which will perform as well as the RED 6.

Users comment that the mic-pre reveals more character from microphones at all frequencies, "gutsier" vocals yet "more airy" or "open" in the high end which enhances strings or wind instruments like flutes, for example. Even speech is enhanced with appropriate microphone selection.

"...musical, warm and easy to get a great sound..." The equaliser is credited with "musical", "warm" and "easy to get a great sound". This latter point in part results from each stage being buffered from the others, so that one band will not interact with another, as happens with most console and outboard equalisers.

RED 6 is the product of designs which have evolved over 25 years. It is thus a modern classic which can be expected not only to enhance your recording but also be an enduring and appreciating asset.

specifications overleaf

Red 6

Applications include:
anywhere that requires
a single channel of the
best mic-pre and eq
direct to storage; tape,
disc or workstation

**The famous Focusrite
equaliser in the most
affordable package yet**

**Separate In/Out
switching for filters and
Equaliser**

**Output Fader with
gain for level control
direct to storage**

**VU-type meter for
clear indication of
signal level**

Integral power supply

**Unique styling
dramatically enhances
any studio
equipment rack**



Specifications

Mic Input Gain:

-6dB to +60dB in two variable ranges

Mic Input Impedance:

1200Ω ±15% 20Hz to 20kHz balanced and floating

Line Input Gain:

-12dB to +12dB continuously variable

Line Input Impedance:

10kΩ ±15% 20Hz to 20kHz electronically balanced

Input Balance:

>60dB to 15kHz on both inputs

Frequency Response:

-3dB points of 5Hz and 85kHz passively limited

Noise:

Better than -98dB below +4dBu output level

Distortion:

0.003% with input at 0dBu at 1kHz

Output:

+24dBm loaded 600Ω, +26dBm loaded 10kΩ,
balanced and floating

Facilities:

Low pass filter: -12dB per octave,
4k7Hz to 30kHz

Equaliser all

sections: ±15dB boost and cut

HF Section:

Frequencies 3.3, 4.7, 6.8, 10,
15, 18kHz

HMF section:

Frequency ranges 600 - 6kHz
and 1800 - 18kHz, Q=0.3 - 1.0

LMF section:

Frequency ranges 40 - 400Hz
and 120 - 1k2Hz, Q=0.3 - 1.0

LF section:

frequencies 33, 56, 95, 160,
270, 460Hz

High pass filter:

-12dB per octave,
10Hz to 330 Hz

General:

Eq and filter In/Out switching, phantom power,
phase reverse, illuminated VU type meter indicating
level, XLR inputs and output connectors, pin 2 hot

Power requirements:

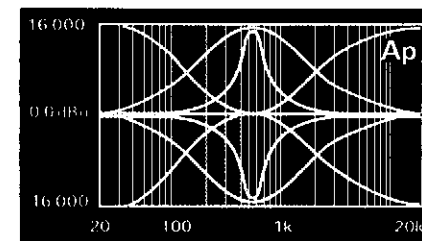
100/120/220/240V ac, 35VA

Dimensions:

482 x 88 x 286mm (19" x 3.5" x 11.25")

Weight:

7 kg (15.2lbs)



Focusrite
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