

AVALON DESIGN



PURE CLASS A MUSIC RECORDING SYSTEMS



SONIC EXCELLENCE

The Avalon M5 Pure Class A microphone preamplifier is the most musical, low noise full function preamplifier available today. Designed to optimize absolute signal integrity and musical performance, the M5 combines an advanced transformer input stage with twin high performance Class A cascode FET and bipolar discrete amplifiers for sonic excellence unequaled by lesser designs. The M5 is ideal for vocal and acoustic instruments, active DI input for the direct recording of bass, guitars and keyboards.

Features include state-of-the-art, balanced 100% discrete, Pure Class A signal amplifiers, practical user features and rugged hardware designed to deliver true high performance audio for many years.

DESIGNED FOR ULTIMATE MUSIC RECORDING

Avalon preamplifiers have been in use since 1989. They have found their way into the world's most famous lead vocalists recording sessions and studios and been featured on thousands of the best selling (and sounding) albums and live performances.

MINIMUM SIGNAL PATH DESIGN

Avalon's advanced true symmetry design offers high-voltage, large headroom, extended bandwidth and very low noise. The use of 100% discrete, Pure Class A signal amplifiers give the serious music professional unlimited sonic character and a natural harmonic detail that enhances the program material and becomes one with the music itself.

VOCALISTS DREAM MACHINE

The M5 microphone preamplifier is the first choice when you are looking to capture a full bodied, dynamic, musical performance from the intimate depths within the artist. The M5 will make your recordings musical masterpieces!

M5

MICROPHONE PREAMP

M5 FEATURES

- Smooth musical detail and sonic excellence
- Minimum audio signal path
- Pure Class A, 100% discrete design
- High performance input transformer
- Microphone and Hi-Z inputs to +36dB
- Very low noise -126dB
- High headroom +30dB
- Gain switched in 2dB steps to +64dB
- DC coupled Pure Class A output
- Large illuminated professional VU meter
- Twin LED peak signal indicators
- Regulated +48v phantom power supply
- Low distortion less than 0.5% THD and IMD
- Variable passive high pass (bass cut) filter
- All signal routing with sealed silver relays
- 100% discrete power supplies for audio path
- External 150W toroidal power supply
- Long lasting, stainless steel hardware

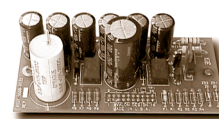


Pure Class A music recording systems since 1985.



M 5 S P E C I F I C A T I O N S

Circuit topology	Twin cascode FET and bipolar low level input signal stages. High-voltage, 100% discrete, symmetrical high-bias Pure Class A amplifiers
Input type and load	Superior transformer, balanced low-ratio 1500 ohm input load
Maximum mic level	+36dB balanced XLR pin 2 hot (with -20dB passive attenuator)
Maximum instrument level	+18dB at 100k ohms instrument input level, standard mono 1/4 inch jack
Input attenuator	-20dB resistive pre-transformer primary, sealed silver relay
Phantom power	+48v regulated 50mA capability, sealed silver relay
High pass filter	Passive, variable from 30Hz to 185Hz @ 6dB per octave, sealed silver relay
Polarity reverse	Sealed silver relay on microphone input
Gain range input	+20dB to +64dB in 2dB steps
Maximum output level	+30dB unbalanced 600 ohms, DC coupled, discrete symmetrical Pure Class A
Output type	XLR connector, pin 2 hot (optional balanced JT-1 transformer)
Noise EIN unweighted	-126dB 150 ohm
Noise 20kHz unweighted	-100dB
Distortion THD, IMD	0.05% nominal
Frequency response -3dB	1Hz to 120kHz transformer limit
System bandwidth	DC to 1MHz
Output meter	High quality, illuminated analog VU meter 0dB = +4dB
Peak meter	Bi-color LED's 0dB and +20dB peak detection circuit
Options	BK-1 high-voltage plug in card for B&K 130v microphones
M5 dimensions	8.5 x 3.5 x 12 in (216 x 88 x 305mm) half rack width
Weight	15lbs (6.8kg)
Dimensions-shipping carton	24 x 21.5 x 7.5 in (610 x 546 x 190mm)
Weight-packed	25lbs (11.4kg) includes B2T power supply and cables
AC power supply B2T	External toroidal 100V to 240V, 50-60Hz selectable, 150 watts maximum
Cables	1 x 8ft 4 pin ac cable, 1 x 8ft standard IEC cable included
Dimensions	5 x 7 x 3.25 in (127 x 177 x 83mm)
Weight	7lbs (3.2kg)
Rack mount kit (1) RM-1	Single M5 19 inch rack mount kit (holds one half rack unit)
Rack mount kit (2) RM-2	Dual M5 19 inch rack mount kit (holds two half rack units)



BK-1 130v power card option



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Avalon reserves the right to incorporate changes in design and in the specifications of this product without prior notice.