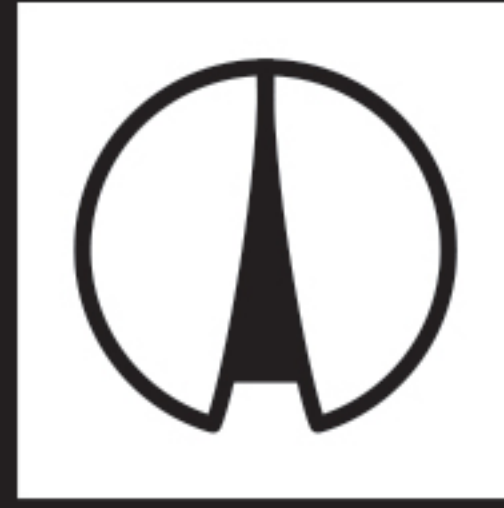


AVALON



DESIGN®

PURE CLASS A MUSIC RECORDING SYSTEMS



SONIC EXCELLENCE

The Avalon V5 DI-RE-MIC PREAMPLIFIER is an ultra-high performance professional preamplifier, DI and *RE-amp*. Created for maximum versatility, the V5's sonic signature - "Deep and Controlled Bass, Musical Mid-Range and enhanced Vocal Projection" combine with a unique set of user features including, 100% discrete Pure Class A amplification, Avalon's unique "passive" TONE-BANK™, professional VU meter with dual peak LED's, multiple outputs including an instrument level transformer isolated Re-amp. Designed to optimize absolute signal integrity and musical performance, the V5 is ideal for ribbon, dynamic and condenser microphones, bass guitar, acoustic instruments, electric guitars, keyboards, synthesizers and very low output passive pickups.

The state-of-the-art DI input stage, provides a very-high impedance "zero-load" effect on sensitive pickups and keyboards, while maintaining massive input headroom to +36dB before overload.

RICH HARMONICS

Avalon DI-preamplifiers have been in use around the world since 1985. They have found their way into the world's leading musician's rigs and recording sessions and have been featured on thousands of the best selling (and sounding) albums, downloads and live performances. The V5 includes the best of the Avalon U5 DI functions with a studio quality preamplifier and "a new sonic addition". Two alternate solid-state topologies are cascaded to provide a rich, low mid-range harmonic content not offered in other Avalon preamplifiers. This feature empowers the V5 with a new scale of sonic character.

MINIMUM SIGNAL PATH DESIGN

The V5 includes a very high quality input transformer (same as the Avalon VT-737sp) with dual microphone input impedance loading for perfect mic/cable matching, high-cut switch for eliminating unwanted acoustic pickup and high frequency noise, headphone monitor amp and DC coupled, 100% Class A output amplifiers for defined bass control. A buffered "thru" output for zero-instrument-load tuners or power amp inputs, internal toroidal power transformer with discrete high-voltage power supplies for low noise and sealed silver relays for transparent signal routing.

V5

DI-RE-PREAMPLIFIER

V5 FEATURES

- Forward musical detail and sonic excellence
- High quality transformer input & isolated output
- Switched 2dB, high-gain preamplifier to +66dB.
- 100% discrete, high-voltage, Pure Class A
- Dual microphone impedance selection
- Hi-Z 10,000,000 Ω Instrument-DI input
- Very low noise -100dB
- High output headroom to +30dB
- RE-preamplifier with line, DI or microphone input
- Ten "passive" TONE-BANK™ selections
- Polarity (phase) reverse on all input-outputs
- DC coupled Class A outputs for superior bass
- High cut switch (low pass filter) eliminates hiss
- LED active & peak signal indicator
- Headphone monitor output jack
- Low distortion - less than 0.5% THD and IMD
- Professional VU meter -30dB to +18dB
- Buffered DI output & ground isolation switch
- 100% discrete power supplies for audio path
- Internal toroidal power supply for low noise
- Long lasting, stainless steel hardware



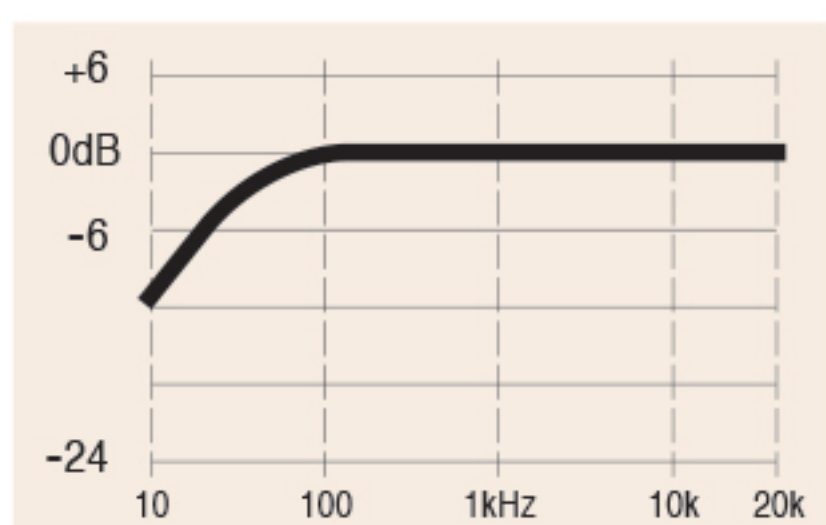
Pure Class A
Music Recording Systems since 1985.
MADE IN U.S.A.



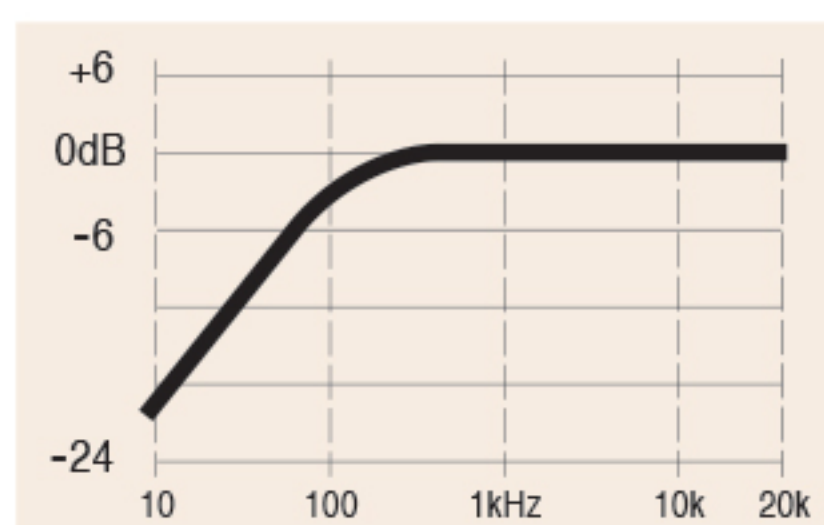
V 5 S P E C I F I C A T I O N S

Audio circuit topology	100% discrete, high-voltage, Class A
Gain	Switched 2dB steps, -/+ 0.15dB
Input modes (4)	Line, Instrument-DI, Microphone high-Z & low-Z
LINE (transformer)	Balanced 6,000 Ω, XLR~TRS, gain -3dB ~ 36dB, max. input 47dB
INSTRUMENT ~ DI	Unbalanced 10,000,000 Ω, TRS, gain 2dB ~ 42dB, max. input 36dB
MICROPHONE HiZ (transformer)	Balanced 6,700 Ω, XLR, gain 20dB ~ 60dB, max. input 23dB
MICROPHONE LoZ (transformer)	Balanced 1,760 Ω, XLR, gain 26dB ~ 66dB, max. input 19dB
PAD (passive input attenuator)	Line -13dB, Instrument -10dB & Microphone -15dB
Phantom power	48V regulated @10mA, blue=power ON, red=phantom ON
Thru output	Unbalanced, impedance buffered TRS
Maximum line output level	+30dB DC coupled, balanced 600 Ω, XLR~TRS
Maximum isolated output level	+12dB transformer balanced high Z output, TRS
Headphone output	0.5w into 600 Ω, TRS
Noise 20kHz unweighted	-100dBu minimum gain position
Noise (EIN) 22Hz-22kHz	-128dB @ 40dB gain (low Z microphone input)
Distortion THD, IMD	0.05% at +10dB output
Frequency response, -/+0.5dB	5Hz to 50kHz
Frequency response, -3dB	2Hz to 500kHz (input band limited)
VU meter	Professional moving coil VU, wide range -33dB ~ 18dB
Signal LED's	Peak capture, blue=0dB, red=20dB
High cut filter	-3dB at 4kHz minimum phase design
Polarity reverse (phase)	All outputs relay switched (including isolated output)
Tone shape	Ten "passive" voices for improved clarity, problem solving and musical enhancement.

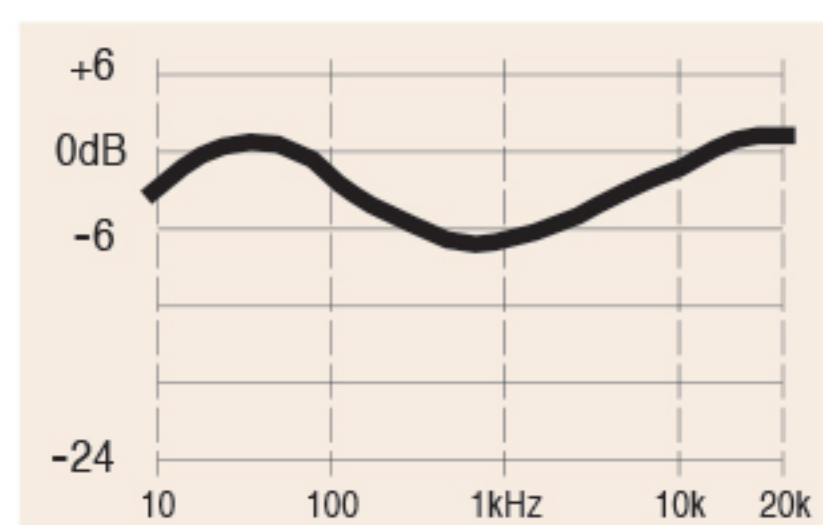
TONE selections 1 through 6 are identical to the TONE-BANK™ options in the Avalon U5 "Ultra-Five" Direct Box-preamplifier.



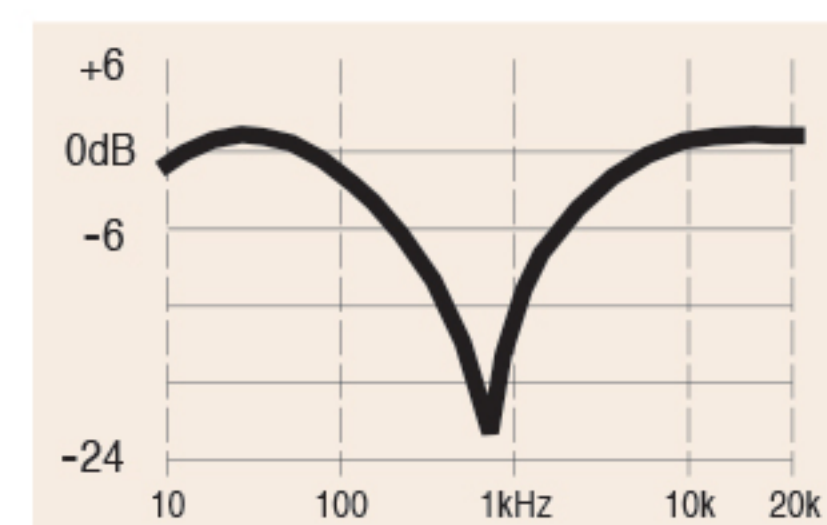
1 vocals and instruments, high pass, rumble filter 50Hz @ 6dB/octave



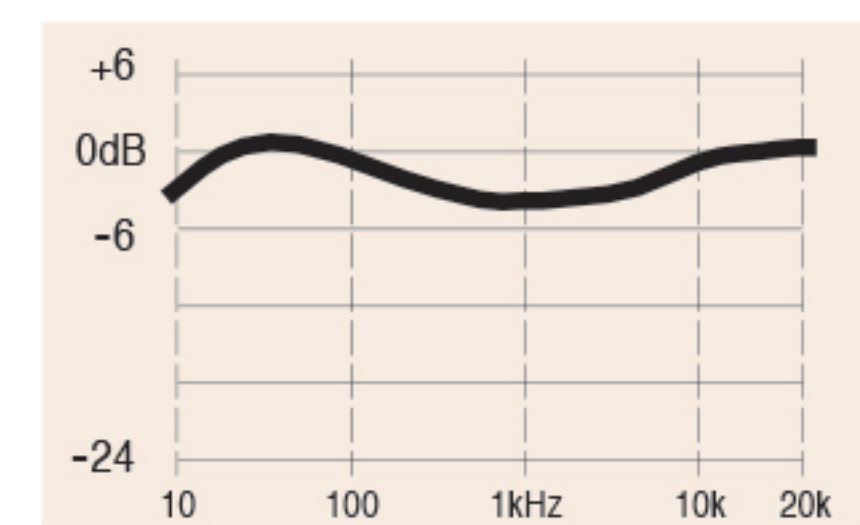
2 vocals and instruments, high pass, rumble filter 90Hz @ 6dB/octave



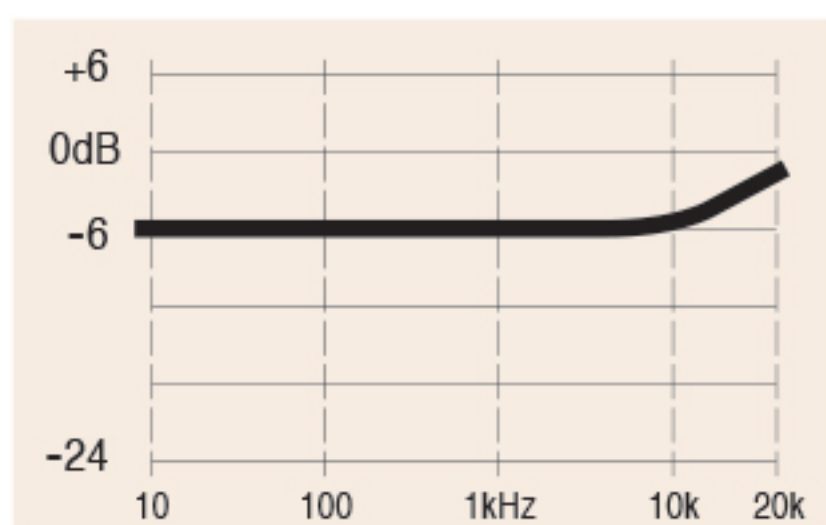
3 acoustic and string instruments, electric bass and keyboards



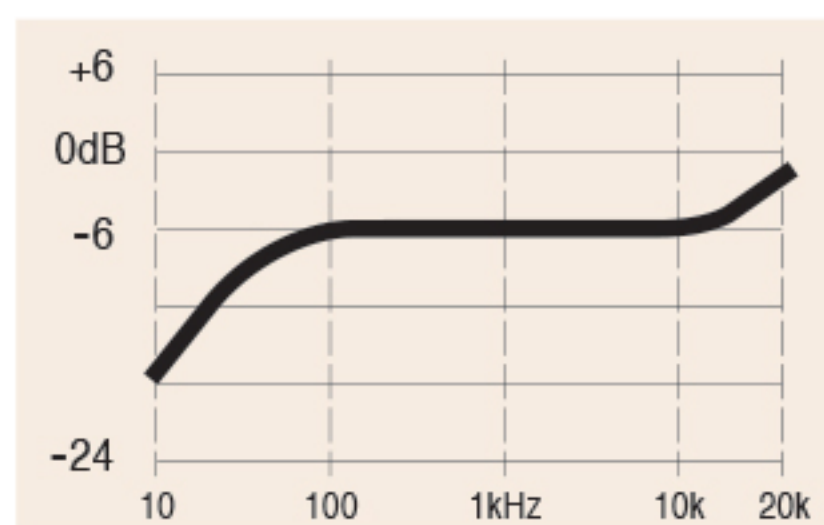
4 electric bass guitar with mid scoop



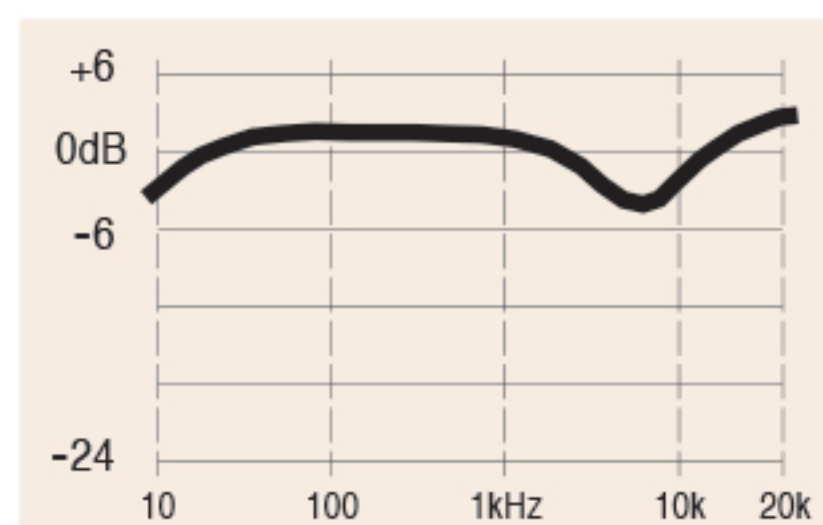
5 acoustics, strings, electric and bass guitar and keyboards



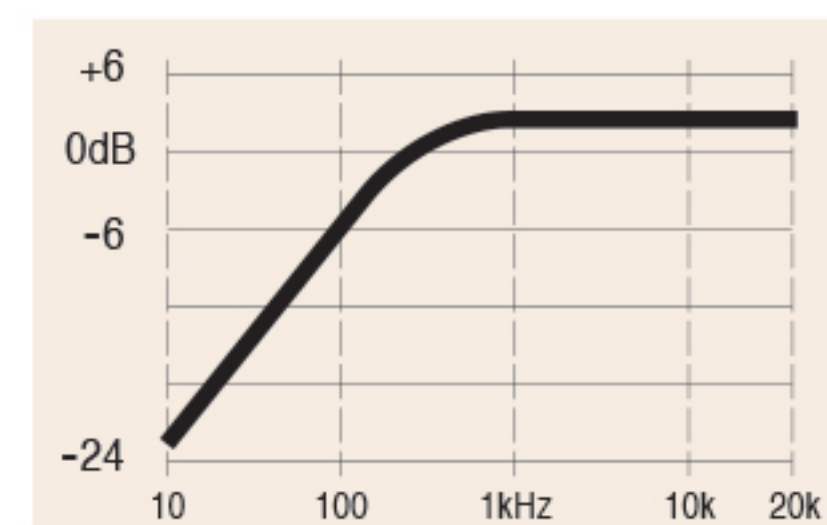
6 AIR-LIFT vocals, acoustic-electric instruments



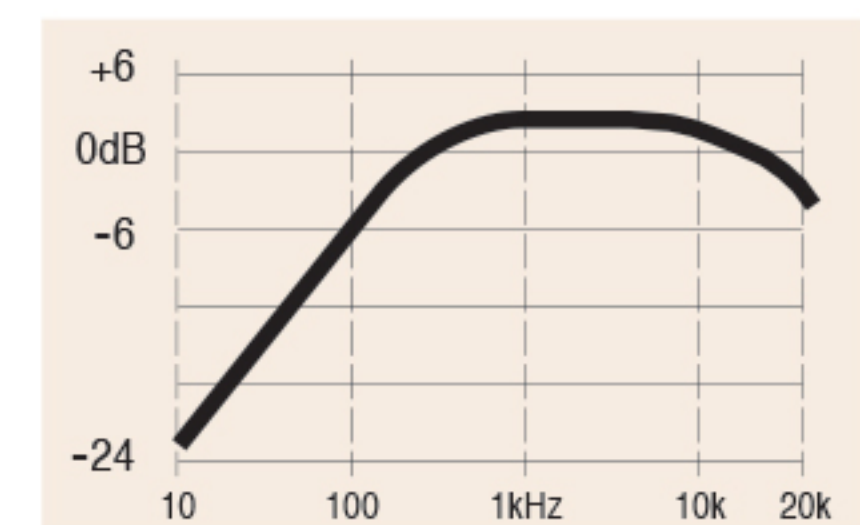
7 AIR-LIFT & LOW-CUT vocals, acoustic-electric instruments



8 acoustics, strings, electric and bass guitar and keyboards



9 acoustic and electric instruments



10 electric and bass guitar

AC power

Internal toroidal AC supply, dual voltage, 115 or 230v selectable 50/60Hz, 35w max

Dimensions

8.5 x 3.5 x 12 in (216 x 88 x 305mm)

Weight (packed)

12lbs (5.4kg)

Rack mount kit RM-1

Single V5 19 inch rack mount kit (holds one half rack unit)

Rack mount kit RM-2

Dual V5 19 inch rack mount kit (holds two half rack units)



MADE IN U.S.A.

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

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