SONIC EXCELLENCE
The Avalon V55 Dual Channel DI-RE-MIC PREAMPLIFIER is an ultra-high performance professional preamplifier, DI and RE-amp. Created for maximum versatility, the V55’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 V55 is ideal for ribbon, dynamic and condenser microphones, bass guitar, acoustic instruments, electric guitars, keyboards, synthesizers and low output passive pickups.

The state-of-the-art DI input stages, provides two channels of very-high impedance for “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 been featured on thousands of the best selling (and sounding) albums, downloads and live performances. The V55 includes the best of the Avalon U5 DI functions with two studio quality preamplifiers 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 V55 with a new scale of sonic character.

MINIMUM SIGNAL PATH DESIGN
The V55 includes two very high quality input transformers (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 transformers with discrete high-voltage power supplies for low noise and sealed silver relays for transparent signal routing.
V 5 5  S P E C I F I C A T I O N S

Audio circuit topology
Two Channels of 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)

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.

**Acoustic-electric instruments**

- **1** acoustic and string instruments, electric bass and keyboards
- **2** electric bass guitar and mid scoop
- **3** acoustics, strings, electric and bass guitar and keyboards
- **4** acoustics, strings electric and bass guitar and keyboards
- **5** acoustic and electric instruments
- **6** electric and bass guitar

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

Dimensions
19 x 3.5 x 12 in (483 x 89 x 305 mm)

Weight-packed
25lbs (11.7kg)

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

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