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The Indigo range of valve products from TL Audio provides the same critically acclaimed audio quality as the Classic range, but with an even more affordable price tag - thus making valve technology available to a much wider market than previously possible. Borrowing heavily from circuit designs already utilised in the proven Classic products, and sharing the same quality of components and mechanical construction, we have achieved a lower end-user price by cutting back on some of the less essential features (onboard mic pre amps, for instance) and by manufacturing in very large quantities. This "economy of scale" translates into a more affordable, easy-to-use product range without compromising our sonic ideals.

[For more information please email: TL Audio](#)



2001 4 Channel Valve Mic Pre Amp

Providing four channels of premium quality mic pre amplification in a single package, the 2001 strikes a perfect balance of performance and facilities and is ideal as a console pre amp upgrade, a front end for a digital system or in a location recording rig. Each channel employs two valve stages, specifically an ECC83 / 12AX7A valve run at 150v DC. Separate input and output level controls allow the valve stages to be driven harder if necessary for increased harmonic generation, while still allowing the overall output level to be regulated. Individual control of phantom power, phase reverse and low cut filtering complete the feature set.

- Continuously variable input gain control (+10dB to +60dB)
- Continuously variable output gain control
- 48v phantom power switch
- 90Hz low cut filter (12dB / octave)
- Phase reverse switch
- Peak LED - indicates degree to which valves are being driven
- Balanced XLR mic input
- Balanced XLR line output (+4dB) duplicated on unbalanced jack connector (-10dB)
- Frequency response 20Hz to 40kHz +0 / -1dB

SPECIFICATIONS

Mic Input: Impedance: >2k . Gain range: +10 to +60dB. Input noise (EIN): -127dBu at max gain (22Hz-22kHz). Balanced XLR connector. Output: Balanced output impedance: 47. Max level: +26dBu into 600. XLR connector. Unbalanced output impedance 47. Max level +18dBu into 10k. Jack connector. Frequency response: 10Hz to 40kHz +0 / -1dB.



2021 2 Channel Valve Compressor

The 2021 offers the sound and much of the flexibility of the legendary C-1 compressor in a fast and friendly package. Variable control of all the major parameters is retained: input gain, threshold, ratio and gain make-up, while attack and release times are switchable for "fast" or "slow" modes. Like the C-1, the 2021's attack and release time constants are program dependent, so in reality the choice of two modes becomes a time saving and versatile rationalisation of facilities. The 2021 features two ECC83 / 12AX7A valve stages per channel running at 150v DC. Both stages form part of the gain control element, which like the C-1 is our own transconductance circuit, thus avoiding the use of VCAs in the signal path.

- Continuously variable control of input gain, threshold, ratio and gain make-up
- "Fast" or "Slow" Attack modes (0.5mS or 20mS)
- "Fast" or "Slow" Release modes (40mS or 2S)
- Dual mono or stereo linked modes
- Compressor bypass switches with status LEDs
- Dual sensitivity auxiliary input (for guitar, keyboards etc)
- 8 segment LED metering to read output level or gain reduction
- Side chain insert point for frequency conscious compression
- Balanced XLR line inputs and outputs (+4dB)
- Line inputs and outputs duplicated on unbalanced connectors (-10dB)
- Program dependent attack and release time constants
- Frequency response 20Hz to 40kHz +0 / -1dB

SPECIFICATIONS

Line Input: (Balanced) Impedance >5k. Gain range -20dB to +20dB.

Maximum input level +26dBu. Balanced XLR connector. (Unbalanced)

Impedance > 5k. Gain range -20dB to +20dB. Max input level +12dBu. Jack connector. Aux Input: Switchable for high or low gain, plus 40dB gain

variation. Max input level +18dBu. Unbalanced jack connector. Output: Balanced output impedance: 47. Max level: +26dBu into 600. XLR connector. Unbalanced output impedance: 47. Max level: +18dBu into 10k. Jack connector. Sidechain insert point: Stereo jack, tip=send, ring=return. Nominal level -2dBu. Output impedance: 47, Return input impedance: 10k Compressor functions: Threshold -20dBu to +20dBu, Ratio 1:1.5 to 1:30, Gain Make Up 0 to +20dB. Attack switchable for Fast (0.5mS) or Slow (20mS). Release switchable for Fast (40mS) or Slow (2S). Frequency response: 10Hz to 40kHz +0 / -1dB. Noise: -82dBu.

[For more information please email: TL Audio](#)



2011 2 Channel 4 band Valve Equaliser

With circuitry and facilities based on the original EQ-1 valve equaliser, the 2011 is our most compact and user friendly valve EQ to date. Incorporating our famously musical high and low frequency shelves and four broad-curved frequencies on each of the mid bands, the 2011 is your easiest route to EQ heaven!

Employing four ECC83 / 12AX7A valve stages per channel (one as a voltage amplifier and the other three stages in the EQ section) running at 150v DC, the 2011 exhibits the wide bandwidth and low noise performance that characterises every TL Audio product.

- LF band: ± 12 dB shelving at 80Hz or 120Hz (12dB/oct)
- LM band: ± 12 dB peaking at 250Hz, 500Hz, 1kHz or 2.2kHz (Q=0.5)
- HM band: ± 12 dB peaking at 1.5kHz, 2.2kHz, 3.6kHz or 5kHz (Q=0.5)
- HF band: ± 12 dB shelving at 8kHz or 12kHz (12dB/oct)
- Continuously variable input gain (-20dB to +20dB)
- Dual sensitivity auxiliary input (for guitar / keyb etc)
- Balanced XLR line inputs and outputs (+4dB)
- Line inputs and outputs duplicated on unbalanced jack connectors (-10dB)
- EQ bypass switch with status LED
- Peak LED indicates amount of valve effect
- Frequency response 20Hz to 40kHz +0 / -1dB

SPECIFICATIONS

Line Input: (Balanced) Impedance $> 5k$. Gain range -20dB to +20dB. Maximum input level +26dBu. Balanced XLR connector. (Unbalanced) Impedance $> 5k$. Gain range -20dB to +20dB. Max input level +12dBu. Jack connector. Aux Input: Switchable for high or low gain, plus 40dB gain variation. Max input level +18dBu. Unbalanced jack connector. Output:

Balanced output impedance: 47. Max level: +26dBu into 600. XLR connector.
Unbalanced output impedance: 47. Max level: +18dBu into 10k. Jack
connector. Frequency response: 10Hz to 40kHz +0 / -1dB. Noise: -80dBu
Distortion: 0.05%.

[For more information please email: TL Audio](#)



2031 2 Channel Studio Overdrive

One of our most versatile and flexible units, the 2031 offers two channels of studio quality valve overdrive. The list of potential tasks that the 2031 excels at is endless: use it for warming a stereo mix, as a high quality instrument pre amp for guitar and bass, or as a way of adding grit and body to a keyboard or sampler patch... just use your own imagination! A wide range of overdrive effects are possible, from very subtle warming through to wildly overdriven tones via the switchable 'boost' facility. A three band EQ section allows further tailoring of the sound, and a special output filter stage provides speaker emulation for guitar signals. As quiet and well specified as you would expect, the 2031 utilises four ECC83 / 12AX7A valve stages per channel run at 150v DC.

- Continuously variable input and output gain
- Defeatable "Boost" level control
- 3 band fixed frequency EQ (Low/ Mid / High) common to both channels
- EQ bypass switch
- LED metering of signal present, peak and boost
- Dual sensitivity aux input (for guitar, keyboards)
- Balanced XLR / unbalanced jack line I/O
- Rear panel socket allowing external footswitch selection of "Boost" mode
- Variable speaker emulation filter on output stage
- Frequency response 20Hz to 40kHz +0 / -1dB

[For more information please email: TL Audio](mailto:info@tl-audio.com)



2012 2 Channel Parametric Valve Equaliser

Effectively a compact version of our top of the range EQ-2 equaliser, the 2012 is a combination of superb sound and very clever functional design. In stereo mode, with two very broad ranging parametric bands on each channel, the 2012 is ideal for sweetening and shaping stereo sources or complete mixes. However, a simple flick of a switch puts you in 4 band mono mode, where you are free to do some seriously detailed processing. In this mode, band 2's divide-by-ten switch and band 3's multiply-by-ten switch permit you to configure the four EQ bands to have a very wide overlap - a simple measure that greatly enhances the power and flexibility of the 2012. The 2012 incorporates one ECC83 / 12AX7A valve stage per EQ band running at 150v DC.

- Channel A features two bands: Band 1 continuously variable between 30Hz and 1.2kHz. Band 2 continuously variable between 1kHz and 18kHz
 - Band 2 has "divide by ten switch" switch giving a frequency range of 100Hz to 1.8kHz
 - Channel B features two bands: Band 3 continuously variable between 30Hz and 1.2kHz. Band 4 continuously variable between 1kHz and 18kHz
 - Band 3 has "multiply by ten" switch giving a frequency range of 300Hz to 12kHz
 - Each band offers +/-15dB of gain and variable Q between 0.5 and 5
 - EQ bypass switch with status LED
 - Peak LED indicates amount of valve effect
 - Mono mode allows mono 4 band operation
 - Front panel dual sensitivity auxiliary input (for guitar / keyboards etc)
 - Balanced XLR line inputs and outputs (+4dB)
 - Line inputs and outputs duplicated on unbalanced jack connectors (-10dB)
 - Frequency response 20Hz to 40kHz +0 / -1dB
 - Continuously variable input gain (-20dB to +20dB)
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SPECIFICATIONS

Line Input: (Balanced) Impedance >5k. Gain range -20dB to +20dB. Maximum input level +26dBu. Balanced XLR connector. (Unbalanced) Impedance > 5k. Gain range -20dB to +20dB. Max input level +12dBu. Jack connector. Aux Input: Switchable for high or low gain, plus 40dB gain variation. Max input level +18dBu. Unbalanced jack connector. Output: Balanced output impedance: 47. Max level: +26dBu into 600. XLR connector. Unbalanced output impedance: 47. Max level: +18dBu into 10k. Jack connector. Frequency response: 10Hz to 40kHz +0 / -1dB. Noise: -74dBu.

[For more information please email: TL Audio](#)



2051 Mono Valve Voice Processor

The 2051 is the unit that many TL Audio users had been waiting for - a mono valve unit containing the three single things we do best: a pre amplifier, a compressor and an equaliser, thus providing the perfect self contained signal path for microphones, instruments and line level signals.

The 2051 is effectively an amalgam of three other Indigo products: the 2001 pre amp, 2021 compressor and 2011 equaliser. This provides a total of six ECC83 / 12AX7A valve stages, making the 2051 an ideal front end for any analogue or digital system. One valve stage is positioned in the pre amp section, two stages are employed in the compressor section, and three stages form the core of the four band EQ section. All valve stages are run at 150v DC.

- Combines the functions of the 2001, 2011 and 2021 units into a single package
- Mic Pre section with control of input gain, 48v, phase reverse and 90Hz low cut filter
- Compressor section identical to 2021 Compressor
- 4 band EQ section identical to 2011 Equaliser
- 'EQ Pre' switch allows EQ to be positioned ahead of Compressor section
- Master section featuring 8 segment metering (indicating output level or gain reduction), and overall output level control
- 'Link' facility allows two 2051s to be used in stereo
- Side chain insert point for frequency conscious compression
- Mic, Line and auxiliary inputs
- Balanced XLR / unbalanced jack line outputs
- Frequency response 20Hz to 40kHz +0 / -1dB

SPECIFICATIONS

Mic Input: Impedance: >2k . Gain range: +10 to +60dB. Input noise (EIN): -127dBu at max gain (22Hz-22kHz). Balanced XLR connector. Line Input: (Balanced) Impedance >5k. Gain range -20dB to +20dB. Maximum input level +26dBu. Balanced XLR connector. (Unbalanced) Impedance > 5k. Gain range -20dB to +20dB. Max input level +12dBu. Jack connector. Aux Input: Switchable for high or low gain, plus 40dB gain variation. Max input level +18dBu. Unbalanced jack connector. Output: Balanced output impedance: 47. Max level: +26dBu into 600. XLR connector. Unbalanced output impedance: 47. Max level: +18dBu into 10k. Jack connector. Sidechain insert point: Stereo jack, tip=send, ring=return. Nominal level -2dBu. Output impedance: 47, Return input impedance: 10k Compressor functions: Threshold -20dBu to +20dBu, Ratio 1:1.5 to 1:30, Gain Make Up 0 to +20dB. Attack switchable for Fast (0.5mS) or Slow (20mS). Release switchable for Fast (40mS) or Slow (2S). Frequency response: 10Hz to 40kHz +0 / -1dB.

[For more information please email: TL Audio](mailto:TL@TLAudio.com)