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## Neotek Corporation

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### Élan Console Series

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### Technical Specifications

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#### Frequency Response

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Line input to Stereo Mix output	20Hz - 20KHz $\pm$ 0.2dB
Microphone input to Stereo Mix output	20Hz - 20KHz $\pm$ 0.25dB

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#### Harmonic Distortion (+10dBu O/P, 20Hz - 20KHz)

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Line input to Stereo Mix output	<0.01%
Microphone input to Stereo Mix output	<0.02%

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#### Microphone preamplifier input

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Noise, source = 150 $\Omega$ , figure includes source noise	(20Hz - 20KHz) <-128dBu
Input impedance, balanced	>2000 $\Omega$
Microphone preamplifier gain range (excluding Pad attenuation of 26dB)	21dB to 63dB
High pass filter	-12dB/octave @ 80Hz, switched

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#### Line level input

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Input impedance, balanced	20K $\Omega$
Preamplifier gain	0/-6dB
Input noise	(20Hz - 20KHz) $\leq$ -99dBu
Fader Gain	+12dB

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#### Outputs

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Maximum level	$\geq$ +22dB
Output impedance, balanced	$\leq$ 50 $\Omega$

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#### Output Noise

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Multitrack mixing bus, 32 channels assigned and muted	(20Hz - 20KHz) $\leq$ -88dBu
Main stereo mix bus, 32 channels assigned and unmuted	(20Hz - 20KHz) $\leq$ -85dBu
Auxiliary send bus, master set at unity gain	(20Hz - 20KHz) $\leq$ -87dBu

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#### Crosstalk

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Between two multitrack buses	-90dB
Between Mic and Line inputs	-90dB
Between two channels	-90dB

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#### Equalization

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High frequency, shelving	1kHz - 20kHz
High mid frequency, peak/dip, 1.8 octave	400Hz - 8kHz
Low mid frequency, peak/dip, 1.8 octave	50Hz - 1.2kHz
Low frequency, shelving	20Hz - 400Hz