

TX20

20.000 W 4-CHANNEL HIGH-PERFORMANCE AMPLIFIER WITH ON-BOARD DSP

The NOVA TX20 is a 4-channel power amplifier, which offers a unique combination of power and audio performance, seamlessly combined with advanced DSP and network control. The TX20 delivers 5.000 watts per channel or 10.000 watts for a bridged pair. State of the art components and a finely optimised design results in generous power reserves that ensures pristine sound quality is maintained even under the most extreme conditions.



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PRODUCT DETAILS

KEY FEATURES

Four channels of sonically pure Class D amplification

Unique & precise 96kHz digital signal processing

4th generation SHARC DSP algorithms

Over-designed switch mode power supply

20.000 watts RMS total output (4 x 5.000 W RMS)

Full front panel user interface

Extensive NOVA.Net control software over Ethernet

Analog, AES3 and digital network audio inputs (DANTE card as option)

Powerful grouping & multi-layer EQ

Powerful drive module speaker-centric presets

LIR Linear Phase crossovers

Multi-stage peak & RMS limiters

Virtual Xover limiter for passive systems

PEQ & FIR equalisers on all inputs

Ultra lightweighted (12.5 kg only)

High Speed InterfaceThe TX20 includes a high speed ethernet communications interface that supports DHCP, static-IP and auto-IP and direct connection to a computer without the need for a router or a switch.

AES3 and Digital Networked AudioThe TX20 offers a dual channel AES3 input as standard. The DANTE audio networking card is available as option

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SPECIFICATIONS

Number of output channels:4	
Total power output, all channels driven	20.000 Watts RMS
Audio inputs	4x Analogue, 2x AES3 and 4x Networked Audio Interface (DANTE card as option)
Digital Signal Processing	High performance 96kHz DSP on all inputs and outputs
Control, monitoring and system status alarms	Ethernet network, volt-free relay and contact closure port
Power-save modes	Standby after user defined time with fast wake up on audio, deep ECO sleep after user defined time with wake up on command
System standby and wakeup	Front panel switch, network command and audio detection
Power specification	Crest Factor of 4 (12dB), 2-Ohm nominal load:5000 W / Crest Factor of 2.8 (9dB), 4-Ohm nominal load
Amplifier topology	Class D
Gain (with all the DSP level controls set to 0dB)	32dB
Frequency response, 4 Ohm load	7 Hz -30 kHz
Total harmonic distortion, THD	<0.05% typical, 1kHz signal, AES17 filter, 4 Ohm load
Damping factor (Ref 8 Ohms)	800 at output
DSP	40 bit, NOVA proprietary algorithms, sample rate 96 kHz, 10 snapshots, 50 presets for loudspeaker settings, FIR filters
Main Power Supply	NOVA high performance Series Resonant
Nominal mains input	85-240V 47Hz-63Hz with voltage autodetect
Protection Systems	Under all circumstances the control and protection systems will endeavour to deliver the maximum power possible for a given set of conditions, applying limiters only in extreme circumstances.Muting will only occur when a dangerous situation is detected, normal operation automatically resuming when the condition clears. An inbuilt notification system is provided to indicate problems to remote devices either via the