

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

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| 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 |