

# D6K4

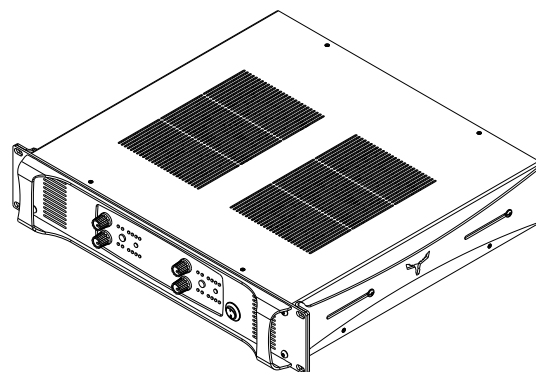
## Presentation:

The new SIRIUS amp represents the next generation of powerful amplifiers designed to meet the specialized needs of sound contractors and rental companies offering high dynamic range, low distortion, high thermal capacity, proven reliability and ease of use for touring sound applications.

This D6K4 has four dedicated high power channels (1600W @ 4ohm each) can also work in BRIDGE mode, 2x 3200W @ 8ohm, having front panel LEDs to monitor power, signal and clipping at a glance.

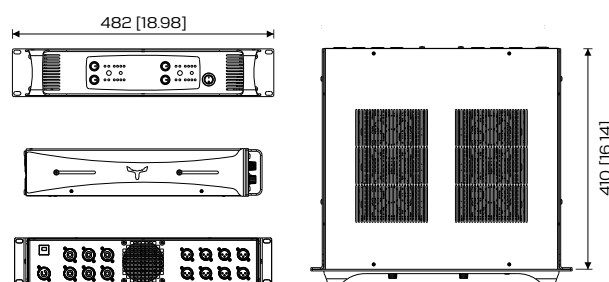
Additionally other features such as 3p XLR signal link to connect another amplifier or 3p XLR sub output signal to connect active subs can be found on the rear panel.

The amplifier protection scheme is one of the most comprehensive in the pro audio industry and all relevant protection features such as over current and short circuit protection, thermal protection, DC output protection and HF protection have been implemented individually for the SMPS as well as for each amplifier channel ensuring high reliability and to guarantee the use of the speaker system in perfect sound and safe operation. The power supply technology integrated in the amplifier provides universal mains operation for 120 V and 230 V with PFC, eliminating the need for market specific self-powered loudspeakers and related reliability issues. The power supply is regulated delivering consistent power world-wide and the enclosure is cooled by variable speed fans with side-to-back airflow.



## Features:

- Professional and powerful class D amplifier series
- High dynamic range & low distortion
- Output power @ 4ohm: 4x 1600W
- Output power @ 8ohm: 2x 3200W BTL (bridge)
- Neutrik 3p XLR input/thru connectors
- Neutrik speakons for Bridge outputs
- Front panel LEDs to monitor power, signal and clipping
- Integrated protection circuitry to protect amplifier and speakers
- Solid construction for 19" Rack - 2U lightweight chassis



Dimensions in mm [in]

## Technical specifications:

### Electronics

Type	Professional class D amplifier
No. of channels	4
RMS Power @ 4ohm	4x 1600W (1kHz / 0.1%)
RMS Power @ 8ohm	2x 3200W BTL (1kHz / 0.1%)
Frequency Range	20Hz - 20kHz (±3dB) @ 1W, 8ohm
T.H.D.	< 0.09% from 0.1W to half power
Noise Floor	Typical 115dB (A weighted)
Crosstalk	-71 dB @ 1 kHz (4ohm)
Gain	32dB
Output V/A	Max. voltage: 150Vpeak Max current: 54Apeak
Input impedance	10kohm balanced
Input sensitivity @ 8ohm	2.7 V / +10.8 dBu @ 32 dB gain
Damping factor	> 500 @ 100Hz
Slew rate	50 V/μs @ 8ohm, input filter bypassed

### Connectors/buttons

Controls	Mains switch (on/off), 2x volume knobs
Indicators	Power, signal, protect and clip
Inputs	Neutrik 3p XLR, in/thru
Outputs	Neutrik 4p speakon, also for BTL
AC connectors	Neutrik powerCON socket

### Power

Protections	Thermal overload, DC protection, short circuit Overload, stationary high frequency
Power supply	Universal, regulated switch Mode with PFC
Nominal Voltage	AC 100-240 V, 50/60Hz
Operating Voltage	90 - 264V AC
Power consumption	1200VA (rated load, 1/8 max. power @ 8ohm)
Cooling	Temperature controlled internal fan

### Mechanical

Construction	Steel chassis
Finishing	Black powder coated
Dimensions	2RU space, 410mm depth (16.14in)
Weight	12.0Kg   26.46lb

