

Active Loudspeakers with DSP



Titan™ 12D & 15D



Wharfedale Pro bring you the next generation of Titan, the DSP equipped Titan 12D and Titan 15D.

All Titan D models are bi-amplified, new Class D technology is used to create a more efficient and powerful system that is now even lighter than the previous generation.

With the Titan D Wharfedale Pro introduce Qubit™, our new powerful and precise 24-bit 192kHz DSP processing.

With advanced adaptive multi-band dynamic processing and filtering Qubit helps fine tune your system to sound natural and open. Qubit processing optimises the loudspeaker to provide smooth digital crossover points that are perfectly aligned in terms of phase response and time-domain. Protection is offered in the form of true independent adaptive LF and HF signal limiting that helps protect against thermal damage and driver over excursion.

Qubit has an extended frequency response that goes way beyond the capabilities of our hearing, providing an extended phase response that remains linear throughout our natural hearing range. Titan D exhibits perfectly aligned time-domain characteristics, enabling exceptionally natural transient reproduction .

www.wharfedalepro.com

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Features

- 2-way bi-amplified
- Qubit™ 24-bit 192kHz DSP processing
- Class D LF and HF power amplifiers (Class A/B HF on 15D)
- Independent LF and HF signal limiting
- Thermal, DC and short circuit fault protection
- Hi / Low EQ controls
- Switchable 90Hz monitor filter
- BRO™ Adaptive Bass Response Optimiser
- Combo XLR / ¼" jack balanced line level input and output
- Rear panel mic / line switch
- Rear panel horn LED defeat switch
- Remote volume control (applied voltage controlled)
- Ten M8 threaded inserts for flown applications
- Wall mount bracket options available separately



Specification

	Titan 12D	Titan 15D
Low Frequency Power	250W RMS	350W RMS
High Frequency Power	50W RMS	70W RMS
Hum and Noise	-90dB	-90dB
Input Sensitivity	Line (Low Gain): 0dBu Mic (Hi Gain): -40dBu	Line (Low Gain): 0dBu Mic (Hi Gain): -40dBu
Maximum Input level	+20dBu	+20dBu
Input Impedance	Balanced: 10kΩ; Unbalanced: 5kΩ	Balanced: 10kΩ; Unbalanced: 5kΩ
Equalization:	HIGH (±10dB) 10KHz Shelving LOW (±5dB) 100Hz Shelving	HIGH (±10dB) 10KHz Shelving LOW (±10dB) 100Hz Shelving
Monitor Filter	90Hz HPF Filter for stage monitor use.	90Hz HPF Filter for stage monitor use.
Remote Gain Attenuator	3 pin Euroblock connector for remote volume adjustment of the Titan 12D. Linear control of the volume is achieved by variation of the applied voltage.	3 pin Euroblock connector for remote volume adjustment of the Titan 15D. Linear control of the volume is achieved by variation of the applied voltage.
Limit LED	Shows when either signal limiter is active (LF or HF).	Shows when either signal limiter is active (LF or HF).
Amplifier Protection:	Power switch on/off mute; DC detection; Overload and short-circuit detection; Thermal/Heat sink protection; Output mute/auto reset	Power switch on/off mute; DC detection; Overload and short-circuit detection; Thermal/Heat sink protection; Output mute/auto reset
Power Amplifier Type	Dual Class D modules (LF and HF).	Class D LF module and Class A/B HF module
AC Power Options	JP, FG, UK, SA, US	JP, FG, UK, SA, US
Colour	Black	Black
Dimensions: HxWxD	556mm x 384mm x 312mm / 21.88" x 15.11" x 12.28"	708mm x 477mm x 401mm / 27.9" x 18.8" x 15.8"
Weight		
Net Weight	12.4kg / 27.28lbs	22.9kg / 50.38lbs
Gross Weight	15.5kg / 34.1lbs	27.7kg / 60.94lbs

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