

**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 28/56-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 .

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**[www.wharfedalepro.com](http://www.wharfedalepro.com)**



# Titan™ 12D & 15D

## Features

- 2-way bi-amplified
- Qubit™ 28/56-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™ 12 D	Titan™ 15 D
<b>Inputs</b>		
<b>Input A – type</b>	Switchable balanced mic or line level input	Switchable balanced mic or line level input
<b>Input Sensitivity</b>	Mic: -40dBu (-42.2dBv or 7.75mVrms) Line: 0dBu (-2.2dBv or 0.775Vrms)	Mic: -40dBu (-42.2dBv or 7.75mVrms) Line: 0dBu (-2.2dBv or 0.775Vrms)
<b>Maximum Input Level</b>	+22dBu	+22dBu
<b>Input Connector</b>	XLR - 1/4" Combo jack	XLR - 1/4" Combo jack
<b>Input Impedance</b>	Balanced: 10kΩ - Unbalanced: 5kΩ	Balanced: 10kΩ - Unbalanced: 5kΩ
<b>Maximum Input Level</b>	+22dBu	+22dBu
<b>Input B – type</b>	Line level input XLR - 1/4" Combo jack: 0dBu (-2.2 dBv or 0.775Vrms)	Line level input XLR - 1/4" Combo jack: 0dBu (-2.2 dBv or 0.775Vrms)
<b>Input Sensitivity</b>	RCA: 0dBu (-2.2dBv or 0.775Vrms)	RCA: 0dBu (-2.2dBv or 0.775Vrms)
<b>Maximum Input Level</b>	+22dBu	+22dBu
<b>Input Connectors</b>	Combo jack: 1 / 4" - XLR / Summed dual RCA jacks	Combo jack: 1/4" - XLR / Summed dual RCA jacks
<b>Line Output</b>	Switchable LOOP / MIX Balanced Male XLR	Switchable LOOP / MIX Balanced Male XLR
<b>Impedance:</b>	Balanced: 200 ohm Unbalanced: 100 ohm	Balanced: 200 ohm Unbalanced: 100 ohm
<b>Sensitivity</b>	0dBu (-2.2dBv or 0.775Vrms)	0dBu (-2.2dBv or 0.775Vrms)
<b>AC Power details</b>		
<b>Power Supply</b>	High Efficiency Switching Mode Power Supply	High Efficiency Switching Mode Power Supply
<b>AC Power Options</b>	AC100~120V / 220~240 V, 50 / 60Hz	AC100~120V / 220~240 V, 50 / 60Hz
<b>Power On Indicator</b>	Green LED	Green LED
<b>Rigging / Bracket / Mounting Options</b>	10 M8 threaded inserts including 4 M8 threaded inserts on bottom in OmniMount 60.0-type footprint Pole-mount receptacle with lock screw 2 carry handles (one on each side) Optional wall-mount bracket	10 M8 threaded inserts including 4 M8 threaded inserts on bottom in OmniMount 60.0-type footprint Pole-mount receptacle with lock screw 2 carry handles (one on each side) Optional wall-mount bracket
<b>Enclosure Material</b>	Injection Moulded Polypropylene	Injection Moulded Polypropylene
<b>Colours</b>	Black	Black
<b>Dimensions H x W x D (mm)</b>	556 x 384 x 312	708.3 x 477.8 x 401.8
<b>Dimensions H x W x D (in)</b>	21.9 x 15.1 x 12.3	27.9" x 18.8" x 15.8
<b>Net Weight (kg / lbs)</b>	12.4kg / 27.28lbs	22.9kg / 50.38lbs
<b>Gross Weight (kg / lbs)</b>	15.5kg / 34.lbs	27.7kg / 60.94lbs