Wharfedale Pro

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# **T-Sub-AX15B** QUICK START GUIDE

Congratulations on the purchase of your T-Sub-AX15B. We take great pride in engineering and building every Wharfedale Pro product and wish to thank you for entrusting us with your audio.

From the time Gilbert Briggs built his first loudspeaker in 1932, to the present day, we have maintained the same standard of quality in components, workmanship and performance.

Please take the time to read this guide completely in order to get the most from your new system.

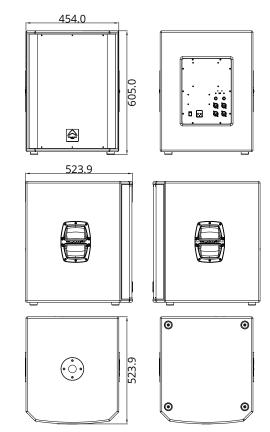
# **Specifications**

System Type   Active 15" Subwoofer     Frequency Response (+/-3 dB)   45 Hz-200 Hz     Sensitivity @1 w/1 meter   97 dB     Maximum SPL (peak @1 meter) Half space   132 dB     Low Frequency Transducer   132 dB     Coil Size (mm / inches)   Quad layer 3.0"     Impedance   4.Ω     Amplifier   200 W Continuous / 1400 W Peak     Corssover Frequency   LPF 80-200 Hz (adjustable)     Corrols   200 W Continuous / 1400 W Peak     Crossover Frequency   LPF 80-200 Hz (adjustable)     Controls   Yes     Power On Protection   Yes     Power On Protection   Yes     DC Protection   Yes     DC Protection   Yes     Limiter Indicator   Red LED     Input type   Balanced     Input Sensitivity   -10 dBu     Linko Upt Connector   2 x socket XLR     Input Sensitivity   -10 dBu     Linko Connector   2 x jin XLR     Polarity Switch Selection   0° / 180°     AC Power details   S     Power Supply	 Model Name	T-Sub-AX15B
Frequency Response (+/-10 dB) 40 Hz-250 Hz   Sensitivity @1 w / 1 meter 97 dB   Maximum SPL (peak @ 1 meter) Half space. 132 dB   Low Frequency Transducer 32 dB   Coil Size (mm / inches) Quad layer 3.0"   Impedance 4 Ω   Amplifier 700 W Continuous / 1400 W Peak   Corrosover Frequency LPF 80-200 Hz (adjustable)   Controls Controls   Amplifier Protection Yes   Power On Protection Yes   Diver Protection Yes   Diver Protection Yes   Short Protection Yes   Short Protection Yes   Input type Balanced   Input type Balanced   Input type Solanced   Maximum input Level 5 V   Input Sensitivity -10 dBu   Link Output Connector 2 x pin XLR   Polarity Switch Selection 0° / 180°   AC Power Options 100 V-120 V and 200 V-240 V   Power Supply SMPS   AC Power Options 100 V-120 V and 200 V-240 V   Power Indicator Green (back) / Blue l	System Type	Active 15" Subwoofer
Sensitivity @ 1 w / 1 meter   97 dB     Maximum SPL (peak @ 1 meter) Half space.   132 dB     Low Frequency Transducer   32 dB     Size (mm / inches)   Quad layer 3.0"     Impedance   4 Ω     Amplifier   400 mm / 15"     Low-Frequency Power Amplifier (Class D)   700 W Continuous / 1400 W Peak     Corsosover Frequency   LPF 80-200 Hz (adjustable)     Controls   Yes     Power On Protection   Yes     DC Protection   Yes     DC Protection   Yes     DC Protection   Yes     Short Protection   Yes     Input type   Balanced     Input type   Balanced     Input type   Balanced     Maximum Input Level   5 V     Input Sensitivity   -10 dBu     Link Output Connector   2 x socket XLR     Polarity Switch Selection   0° / 180°     AC Power details   SMPS     AC Power Options   100 V-120 V and 200 V-240 V     Polarity Switch Selection   0° / 180°     AC Power Options   105 mm Steel </td <td>Frequency Response (+/-3 dB)</td> <td>45 Hz-200 Hz</td>	Frequency Response (+/-3 dB)	45 Hz-200 Hz
Maximum SPL (peak @ 1 meter) Half space. 132 dB   Low Frequency Transducer 404 mm / 15"   Coil Size (mm / inches) Quad layer 3.0"   Impedance 4 Ω   Amplifier 100 W Continuous / 1400 W Peak   Low-Frequency Power Amplifier (Class D) 700 W Continuous / 1400 W Peak   Crossover Frequency LPF 80-200 Hz (adjustable)   Controls Ves   Power On Protection Yes   Power On Protection Yes   DC Protection Yes   DL Protection Yes   Short Protection Yes   Limiter Indicator Red LED   Input type Balanced   Input type Balanced   Input type Sover NURN   Maximum Input Level 5 V   Input Sensitivity -10 dBu   Link Output Connector 2 x pin XLR   Polarity Switch Selection 0° / 180°   AC Power details Or / 180°   Power Supply SMPS   AC Power Options 100 V-120 V and 200 V-240 V   Power Supply SMPS   AC Power Options 100 V-120 V and 200 V-24	Frequency Response (+/-10 dB)	40 Hz-250 Hz
Low Frequency Transducer     Size (mm / inches)   404 mm / 15"     Coil Size (mm / inches)   Quad layer 3.0"     Impedance   4 Ω     Amplifier   1     Low-Frequency Power Amplifier (Class D)   700 W Continuous / 1400 W Peak     Crossover Frequency   LPF 80-200 Hz (adjustable)     Controls   1     Amplifier Protection   Yes     Power On Protection   Yes     Diver Protection   Yes     Short Protection   Yes     Short Protection   Yes     Short Protection   Yes     Limiter Indicator   Red LED     Input type   Balanced     Maximum Input Level   5 V     Input Sensitivity   -10 dBu     Link Output Connector   2 x pin XLR     Polarity Switch Selection   0° / 180°     AC Power Options   100 V-120 V and 200 V-240 V     Power Supply   SMPS     AC Power Options   100 V-120 V and 200 V-240 V     Power Supply   SMPS     AC Power Options   100 V-120 V and 200 V-240 V	Sensitivity @ 1 w / 1 meter	97 dB
Size (mm / inches)   404 mm / 15"     Coil Size (mm / inches)   Quad layer 3.0"     Impedance   4 Ω     Amplifier   Low-Frequency Power Amplifier (Class D)   700 W Continuous / 1400 W Peak     Crossover Frequency   LPF 80-200 Hz (adjustable)   Controls     Controls   Yes   Power On Protection   Yes     Driver Protection   Yes   Power On Protection   Yes     DC Protection   Yes   Yes   Short Protection   Yes     Short Protection   Yes   Short Protection   Yes     Input type   Balanced   Input type   Balanced     Input Connector   2 x socket XLR   Input timpedance   47 KΩ Balanced     Maximum Input Level   5 V   SV   Input Sensitivity   -10 dBu     Link Output Connector   2 x pin XLR   Polarity Switch Selection   0° / 180°     AC Power Options   100 V-120 V and 200 V-240 V   SV     Power Indicator   Green (back) / Blue logo (front)   Enclosure Material   15 mm Plywood     Colour   Black   Paint   Tough-Tone	Maximum SPL (peak @ 1 meter) Half space.	132 dB
Coil Size (mm / inches)   Quad layer 3.0"     Impedance   4 Ω     Amplifier      Low-Frequency Power Amplifier (Class D)   700 W Continuous / 1400 W Peak     Crossover Frequency   LPF 80-200 Hz (adjustable)     Controls      Amplifier Protection   Yes     Power On Protection   Power switch on / off mute     Thermal Protection   Yes     DC Protection   Yes     Short Protection   Yes     Short Protection   Yes     Input Connector   2 x socket XLR     Input Connector   2 x socket XLR     Input Impedance   47 kΩ Balanced     Maximum Input Level   5 V     Input Sonsitivity   -10 dBu     Link Output Connector   2 x pin XLR     Polarity Switch Selection   0° / 180°     AC Power Options   100 V-120 V and 200 V-240 V     Power Indicator   Green (back) / Blue logo (front)     Enclosure   15 mm Plywood     Colour   Black     Paint   Tough-Tone     Grille   1.5 mm steel	Low Frequency Transducer	
Impedance   4 Ω     Amplifier      Low-Frequency Power Amplifier (Class D)   700 W Continuous / 1400 W Peak Crossover Frequency     LPF 80-200 Hz (adjustable)   Controls     Amplifier Protection   Yes     Power On Protection   Power switch on / off mute     Thermal Protection   Yes     DC Protection   Yes     Short Protection   Yes     Limiter Indicator   Red LED     Input Connector   2 x socket XLR     Input Connector   2 x socket XLR     Input Connector   2 x pin XLR     Oblarity Switch Selection   0° / 180°     AC Power Options   100 V-120 V and 200 V-240 V     Power Supply   SMPS     AC Power Options   100 V-120 V and 200 V-240 V     Power Indicator   Green (back) / Blue logo (front)     Enclosure   Black     Polarity Switch Selection   0° / 180°     AC Power Options   100 V-120 V and 200 V-240 V     Power Supply   SMPS     AC Power Indicator   Green (back) / Blue logo (front)     Enclosure   15 mm Plywood<	Size (mm / inches)	
AmplifierLow-Frequency Power Amplifier (Class D)700 W Continuous / 1400 W PeakCrossover FrequencyLPF 80-200 Hz (adjustable)ControlsAmplifier ProtectionAmplifier ProtectionYesPower On ProtectionPower switch on / off muteThermal ProtectionAmplifier shutdown, auto resetDriver ProtectionYesShort ProtectionYesLimiter IndicatorRed LEDInput typeBalancedInput Connector2 x socket XLRInput Sensitivity-10 dBuLink Output Connector2 x pin XLRPolarity Switch Selection0° / 180°AC Power Options100 V-120 V and 200 V-240 VPower IndicatorGreen (back) / Blue logo (front)EnclosureGreen (back) / BlackPaintTough-ToneGrille1.5 mm steelPole Mount (Top)35 mmDimensions (Unpacked)(mm / inches)100 H23.27"Width454 mm / 17.9"Depth689 mm / 27.1"Width544 mm / 21.4"Depth610 mm / 24.0"WeightKeight (kg / lbs)25.7 kg / 56.5 lbs		Quad layer 3.0"
Low-Frequency Power Amplifier (Class D)700 W Continuous / 1400 W PeakCrossover FrequencyLPF 80-200 Hz (adjustable)ControlsAmplifier ProtectionPower Switch on / off mutePower On ProtectionPower switch on / off muteThermal ProtectionYesDC ProtectionYesShort ProtectionYesLimiter IndicatorRed LEDInput Connector2 x socket XLRInput Impedance47 kΩ BalancedMaximum Input Level5 VInput Sensitivity-10 dBuLink Output Connector2 x pin XLRPolarity Switch Selection0° / 180°AC Power Options100 V-120 V and 200 V-240 VPower SupplySMPSColourBlackPaintTough-ToneColourBlackPaintTough-ToneGrille1.5 mm steelPole Mount (Top)35 mmDimensions (Unpacked)(mm / inches)51 mm / 23.27"Width454 mm / 17.9"Depth610 mm / 24.0"WeightKet Weight (kg / lbs)25.7 kg / 56.5 lbs		4 Ω
Crossover FrequencyLPF 80-200 Hz (adjustable)ControlsAmplifier ProtectionYesPower On ProtectionPower switch on / off muteThermal ProtectionAmplifier shutdown, auto resetDriver ProtectionYesDC ProtectionYesShort ProtectionYesLimiter IndicatorRed LEDInput typeBalancedInput Connector2 x socket XLRInput Impedance47 kΩ BalancedMaximum Input Level5 VInput Sensitivity-10 dBuLink Output Connector2 x pin XLRPolarity Switch Selection0° / 180°AC Power detailsGreen (back) / Blue logo (front)EnclosureBlackPower IndicatorBlackPole Mount (Top)35 mmDimensions (Unpacked)(mm / inches)591 mm / 23.27"Width454 mm / 17.9"Depth689 mm / 27.1"Width544 mm / 21.4"Depth610 mm / 24.0"WeightKey J5.5 lbs	-	
Controls   Yes     Amplifier Protection   Power switch on / off mute     Power On Protection   Amplifier shutdown, auto reset     Driver Protection   Yes     DC Protection   Yes     Short Protection   Yes     Limiter Indicator   Red LED     Input type   Balanced     Input type   Balanced     Maximum Input Level   5 V     Input Sensitivity   -10 dBu     Link Output Connector   2 x socket XLR     Polarity Switch Selection   0° / 180°     AC Power details   0' / 180°     Power Supply   SMPS     AC Power Options   100 V-120 V and 200 V-240 V     Power Indicator   Green (back) / Blue logo (front)     Enclosure   15 mm Plywood     Colour   Black     Paint   Tough-Tone     Grille   1.5 mm steel     Pole Mount (Top)   35 mm     Dimensions (Unpacked)(mm / inches)   35 mm / 23.27"     Width   454 mm / 17.9"     Depth   523.9 mm / 20.63"     Dime		
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Paint   Tough-Tone     Grille   1.5 mm steel     Pole Mount (Top)   35 mm     Dimensions (Unpacked)(mm / inches)   35 mm / 23.27"     Height   591 mm / 23.27"     Width   454 mm / 17.9"     Depth   523.9 mm / 20.63"     Dimensions (packed)(mm / inches)   1000000000000000000000000000000000000		
Grille   1.5 mm steel     Pole Mount (Top)   35 mm     Dimensions (Unpacked)(mm / inches)   35 mm / 23.27"     Height   591 mm / 23.27"     Width   454 mm / 17.9"     Depth   523.9 mm / 20.63"     Dimensions (packed)(mm / inches)   35 mm / 27.1"     Width   689 mm / 27.1"     Width   544 mm / 21.4"     Depth   610 mm / 24.0"     Weight   Net Weight (kg / lbs)   25.7 kg / 56.5 lbs		
Pole Mount (Top)   35 mm     Dimensions (Unpacked)(mm / inches)		6
Dimensions (Unpacked)(mm / inches)     Height   591 mm / 23.27"     Width   454 mm / 17.9"     Depth   523.9 mm / 20.63"     Dimensions (packed)(mm / inches)   689 mm / 27.1"     Height   689 mm / 27.1"     Width   544 mm / 21.4"     Depth   610 mm / 24.0"     Weight   25.7 kg / 56.5 lbs		
Height   591 mm / 23.27"     Width   454 mm / 17.9"     Depth   523.9 mm / 20.63"     Dimensions (packed)(mm / inches)   Empth     Height   689 mm / 27.1"     Width   544 mm / 21.4"     Depth   610 mm / 24.0"     Weight   Set Weight (kg / lbs)   25.7 kg / 56.5 lbs		35 1111
Width   454 mm / 17.9"     Depth   523.9 mm / 20.63"     Dimensions (packed)(mm / inches)      Height   689 mm / 27.1"     Width   544 mm / 21.4"     Depth   610 mm / 24.0"     Weight   25.7 kg / 56.5 lbs	-	591 mm / 23 27"
Depth   523.9 mm / 20.63"     Dimensions (packed)(mm / inches)      Height   689 mm / 27.1"     Width   544 mm / 21.4"     Depth   610 mm / 24.0"     Weight   25.7 kg / 56.5 lbs		
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Width   544 mm / 21.4"     Depth   610 mm / 24.0"     Weight   25.7 kg / 56.5 lbs		689 mm / 27.1"
Depth   610 mm / 24.0"     Weight   25.7 kg / 56.5 lbs		
Weight     Net Weight (kg / lbs)   25.7 kg / 56.5 lbs		
Net Weight (kg / lbs) 25.7 kg / 56.5 lbs	· · · · · · · · · · · · · · · · · · ·	
		25.7 kg / 56.5 lbs
		-

# **Product Features**

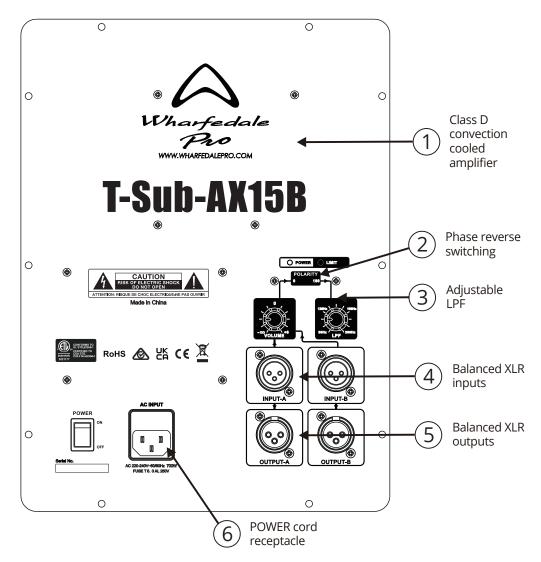
- 700 Watts Continuous
- 1400 Watts Peak
- 132 dB Max SPL @ 1 meter
- Birch plywood construction
- Illuminated LED front logo badge
- Convection cooled Class D amplifier
- Adjustable low pass filter
- 3.0" voice coil
- Quad layer driver design
- Tough-Tone paint finish
- 35 mm pole socket & durable handles

## **Overview**



Note : Specifications may be subject to change without notice.

## **Rear Panel Features**



- 1. T-Sub-AX15B uses convection cooling. Although there is no internal fan, always ensure that when in use the surrounding area is clear from obstructions so that radiated heat can escape.
- 2. 0° to 180° phase reversal switch
- 3. Adjustable Low pass filter control 80-200 Hz. Adjust this to tune your subwoofer with your active top loudspeakers
- 4. Balanced XLR input connectors for connection from your input source.
- 5. Balanced XLR line output connectors for direct connection to active top loudspeakers.
- 6. POWER cord receptacle: This is a receptacle for a standard IEC, three prong, grounded AC electrical connection cord. Be sure that you are plugging into the correct source voltage that matches what is indicated just below the power cord jack.

### WHARFEDALE PRO LIMITED WARRANTY

Wharfedale Pro products are warranted of manufacturing or material defects for a period of three years from the original date of purchase. In the event of malfunction, contact your authorised Wharfedale Pro dealer or distributor for information.

Please be aware that the warranty details may differ from country to country. Contact your dealer or distributor for information (available at www.wharfedalepro.com). These terms do not infringe your statutory rights.



#### Wharfedale Pro

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