

# cinemalite

## Specifications for Audio System Premium 5.1

**Power Amplifier:** Wharfedale Pro S1000

<b>OUTPUT POWER</b>	
<b>Stereo</b>	
	180W+180W/8 ohms (0.1% THD at 20Hz-20kHz)
	300W+300W/4 ohms (0.1% THD at 20Hz-20kHz)
	200W+200W/8 ohms (0.1% THD at 1kHz)
	330W+330W/4 ohms (0.1% THD at 1kHz)
	500W+500W/2 ohms (0.1% THD at 1kHz)
<b>Bridged</b>	
	600W/8 ohms(0.1% THD at 20Hz-20kHz)
	660W/8 ohms(0.1% THD at 1kHz)
	1000W/4 ohms (1% THD at 1kHz)
<b>THD+N</b>	<0.02%
<b>Frequency Response</b>	20Hz-20kHz 0/-0.5dB 10Hz-40kHz 0/-2dB
<b>Hum and Noise</b>	-95dB
<b>Voltage Gain</b>	33dB
<b>Input Sensitivity</b>	+4dBu
<b>Maximum Input Level</b>	+22dBu
<b>Input Impedance</b>	Balanced 20kohms, Unbalanced 10k.
<b>Controls</b>	
<b>Low Cut Filter</b>	50Hz -6dB(-12dB/oct); 30Hz -6dB(-12dB/oct)
<b>Signal Indicators</b>	Turns on approx -35dBu
<b>Clip indicators</b>	Turns on approx 350Wx2/4 ohms output
<b>Limiter</b>	Turns on approx 350Wx2/4 ohms output
<b>Amplifier Protection</b>	Mute function; DC detection; Overload and short detection; Temperature detection
<b>Power Amp Type</b>	Class AB complementary linear output
<b>AC Power Options</b>	AC100V / 120V / 220V / 240V, 50/60Hz
<b>Dimensions (HxWxD)</b>	
	96mm x 482.6mm x 427mm
	3.8" x 19" x 16.8"
<b>Weight</b>	
	15.4 kg
	33.9 lbs

**Mixer: SM Pro Audio PR8E**

General Info	
System type	Multi-channel mic/line preamp (x 8) mixer
Line Input	Impedance 47K, Min sensitivity -35dB, Peak input level +32 dB
Output	Impedance 600 Ohms
48V Phantom Power per channel	Yes
Peak output level	+23dB
Phase Reverse per channel	Yes
Frequency response	20Hz- 20KHz 0dB- -0.5dB
Gain control per channel	Yes
Distortion	0.005%
Peak Light Per channel	Yes
S/N	> 105dB
Mic Input	Impedance 4K7 Ohms
Crosstalk rejection	>120dB @1KHz; -20dB input
Mic Input	Peak input level +9.5 dB
Max Gain	58dB
Mic Input	Phantom Power +48V, (switchable)
Housing	Metal

**Speaker: Wharfedale Pro Titan 8 Passive**

General Info	
System type	Two way passive speaker system
Frequency response +/- 3db	70Hz-20kHz
Sensitivity (db 1w@1m)	96dB SPL
System impedance	8 ohms
Maximum SPL Peak dB	124dB SPL Peak
Power Handling (Watts)	
Continuous RMS	150W
Program	300W
Peak	600W
LF Driver	
LF driver size mm / inches	205mm / 8 ", Die-cast aluminium frame
LF voice coil size	38.86mm / 1.53 "
HF Section	
HF voice coil size	30mm / 1.2 "
HF exit size mm / inches	25mm / 1 "
HF type	Compression Driver
HF diaphragm material	Cloth
Horn dispersion (H x V)	90° x 60° averaged 2kHz to 10kHz
Crossover Section	
Crossover Frequency / Filter	2.4kHz, 12dB per octave
HF driver protection	Bulb
In / Out Panel (Speaker Level)	
Input connector	NL4 Speakon <sup>TM</sup> type x2 " 1/4" phone jack x 2 (All wired in parallel)
Physical Features	
Finish	Grey or white
Construction material	Injection Moulded Polypropylene
Handle quantity	1 built-in carry handle
Suspension points	8 M6 threaded inserts including 4 M6 threaded inserts on bottom in OmniMount 60.0-type footprint
Stand adapter - BOTTOM	Pole-mount receptacle with lock screw, Optional wall-mount bracket
Dimensions & Weight	
Height ( mm / ins )	396mm / 15.59 "
Width Front / Rear / mm / ins	266mm / 10.47 "
Depth ( mm / ins )	221mm / 8.7 "
Net weight ( kg / lbs )	5.5kg / 12.1 lbs
Gross weight ( kg / lbs )	7.5kg / 16.5 lbs

## Speaker: Wharfedale Pro Titan 12 Active

General Info	
System type	Active 12" 2-way Bi-Amplified system
Frequency response +/- 3db	55-20kHz
LF Driver	
LF driver size mm / inches	305mm / 12" 4 ohm
LF voice coil size	64.26mm / 2.5"
HF Section	
HF voice coil size	51mm / 2" 8 ohm
HF exit size mm / inches	25mm / 1"
HF type	Compression Driver
HF diaphragm material	Titanium
Horn dispersion (H x V)	90 x 60
HF horn shape	EWG™ - Elliptical Waveguide
Crossover Section	
Crossover Frequency / Filter	2.3kHz, 24dB per octave Linkwitz-Riley
HF driver protection	Independent LF and HF limiters
Amplifier Power	
Continuous RMS	LF 250W, HF 50W
Peak (Watts)	LF 500W, HF 100W
ProtectionType	Power switch on / off mute, Thermal Amplifier shutdown/auto reset, Low line voltage shut down at 60% nominal line voltage, DC Protection, Short protection, Clip limiter turns on approx at 250W with red LED indicator
Power on indicator	LED
Input Sensitivity	
Mic	-36dBu (-38.2dBv or 12.28mVrms)
RCA	0dBu (-2.2dBv or 0.775Vrms)
Line	+4dBu (1.78dBv or 1.228Vrms) Maximum Input Level +22dBu
Connectors	
Input connectors A	Switchable balanced mic or line level input XLR / ¼" Combo jack
Input connectors B	Line level combo jack 1/4" -XLR / Summed dual RCA jacks
Line output type	Switchable LOOP / MIX Balanced Male XLR connector, Balanced 1k ohm - Unbalanced 500 ohm, +4dBu (1.78dBv or 1.228Vrms)
Physical Features	
Enclosure type	Moulded Polypropylene
Finish	Grey or white
Handle quantity	2 carry handles (one on each side)
Suspension points	(10) M8 points for safe flown applications, (4) M8 inserts on bottom in OmniMount® 60.0-type footprint
Stand adapter - BOTTOM	Speaker pole-mount receptacle with lock screw, Optional wall-mount bracket
Dimensions & Weight	
Height ( mm / ins )	556mm / 21.88"
Width Front / Rear / mm / ins	384mm / 15.11"-180mm / 7.1"
Depth ( mm / ins )	312mm / 12.28"
Net weight ( kg / lbs )	12.8kg / 28.16lbs
Gross weight ( kg / lbs )	14.8kg / 32.56lbs
Input Impedance	
Line input A	20k ohm - Unbalanced 10k ohm Maximum Input Level +22dBu
Line input B	20k ohm - Unbalanced 10k ohm Maximum Input Level +22dBu+BV22
Main eq	High (±10dB) 10kHz Shelving
Main eq	Low (±10dB) 100Hz Shelving, Bass Response Optimizer ("BRO"™) circuit '+5dB at 60Hz, Subsonic Filter 30Hz, Second-order filter

**Speaker: Wharfedale Pro Titan Sub-A15**

General Info	
System type	Band-pass subwoofer
Frequency response +/- 3db	45-150Hz
Enclosure Material	18mm Plywood
Enclosure Colour	Grey
Frame Material	Die-cast aluminium frame
Size (mm/inches)	404mm / 15"
Coil Size (mm/inches)	75mm / 3"
Impedance	4 ohm
Speaker Pole Adapter	Yes
Inputs A & B Type / Connection	Balanced Line Level inputs via two combo connectors
Outputs A & B Type / Connection	Balanced Line Level inputs via two XLR-M connectors
Input Sensitivity	0.775V
High Pass Frequency Selection	100Hz
Phase Switch Selection	00 / 1800
Speaker Level Input Impedance	4 ohm
Speaker Level Input Connection	1/4" TS phone input
Amplifier Power	
Continuous	400W
Peak	600W
Protection Type	Dynamic AGC
Power On Indicator	LED
Dimensions	
Height	630.0mm / 24.8"
Width	478.0mm / 18.8"
Depth	640.0mm / 25.2"
Weight (Net) kg / lbs	45.48 / 100.0
Weight (Gross) kg / lbs	50.48 / 110.5

Specifications are subject to change.  
Correct at 01/11/2009.

