DALI ELECTRONICS | SPECIFICATIONS

All technical specifications are subject to change without notice.
*SE - conventional, single ended output mode
**BTL - bridge-tied load output mode





ELECTRONICS

SPECIFICATIONS	CI AMP-2500 DSP	CI AMP-4750 DSP
Frequency range	12 Hz – 20 kHz (+/- 0.5 dB, 8 Ω load, 3 dB below rated power)	12 Hz – 20 kHz (+/- 1 dB, 8 Ω load, 3 dB below rated power)
Connection inputs	4x Analog unbalanced, RCA 4x Analog balanced, Euroblock connector 1x S/PDIF digital out, RCA	4x Analog unbalanced, RCA 4x Analog balanced, Euroblock connector 1x S/PDIF digital out, RCA
Output channels	2 x Lo-Z speaker (4 - 16 ohm) 1 x Hi-Z speaker (70V / 100V) 1 x S/PDIF digital out, RCA	4 x Lo-Z speaker (4 - 16 ohm) 2 x Hi-Z speaker (70V / 100V) 1 x S/PDIF digital out, RCA
Maximum speaker cable cross section	2,5 mm2 / AWG 14 (Euroblock standard)	2,5 mm2 / AWG 14 (Euroblock standard)
Output power @ 4 ohm	2 x 500 W (SE) 1 x 1000 W (BTL)	4x 750 W (SE) 2x 1500 W (BTL)
Output power @ 8 ohm	2 x 250 W (SE) 1 x 1000 W (BTL)	4 x 400 W (SE) 2 x 1500 W (BTL)
Output power @ 70V	1 x 1000 W (BTL)	2 x 1200 W (BTL)
Output power @ 100V	1 x 1000 W (BTL)	2 x 1500 W (BTL)
Total system power	1000 W	3000 W
Power consumption	350 W	1100 W
Output voltage	45 Vrms (SE) - 90 Vrms (BTL) 70/100V (Hi-Z)	SE: 85 Vp / 170 Vpp (unloaded) BTL: 170 Vp / 340 Vpp (unloaded) 70/100V (Hi-Z)
Output circuitry	UMAC™ Class D. Full bandwidth PWM modulator with ultra-low distortion	UMAC™ Class D. Full bandwidth PWM modulator with ultra-low distortion
Signal to noise-ratio	>108 dB (A-weighted, 20 Hz - 20 kHz, 8 Ω load)	>108 dB (A-weighted, 20 Hz - 20 kHz, 8 Ω load)
THD+N (typical)	< 0.05 % (20 Hz - 20 kHz, 8 Ω load, 3 dB below rated power)	< 0.05 % (20 Hz - 20 kHz, 8 Ω load, 3 dB below rated power)
Other features:	Short circuit protection DC protection Undervoltage protection Temperature protection Overload protection Rack mountable	Short circuit protection DC protection Undervoltage protection Temperature protection Overload protection Rack mountable



CI AMP-4750 DSP

DALI WEATHER RESISTANT | SPECIFICATIONS

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WEATHER RESISTANT

SPECIFICATIONS	E 60-WR	E 80-WR
Frequency range	52 - 25,000 Hz ±3 dB	49 - 25,000 Hz ±3 dB
Sensitivity	88 dB @ 1 m for 2.83 V	89.5 dB @ 1 m for 2.83 V
Nominal impedance	8 ohm	6 ohm
Maximum SPL	105 dB	107 dB
Crossover frequency	3,300 Hz	3,200 Hz
Crossover principle	2-way	2-way
Recommended amplifier power	30 - 120 Watt	30 - 150 Watt
High frequency driver	1 x 25 mm soft dome	1 x 25 mm soft dome
High frequency diaphragm	Soft woven fabric	Soft woven fabric
Low frequency driver/Mid-range driver	1 x 6½ inch	1 x 8 inch
Low/Mid frequency diaphragm	Polypropylene	Polypropylene
Connection input	Single wire	Single wire
Enclosure type	Open back	Open back
Other features	Normal / High+ Normal / Mid+ CLASSIC WR grille	Normal / High+ Normal / Mid+ CLASSIC WR grille
Installation location	In-ceiling / In-wall	In-ceiling / In-wall
Recommended placement	Ceiling / Front / Centre / Surround	Ceiling / Front / Centre / Surround
IP rating	IP65	IP65
Outer dimensions incl. grille (H x W x D)	Ø 258 x 104 mm Ø 10.16 x 4.09 inches	Ø 295 x 116 mm Ø 11.61 x 4.57 inches
Outer dimensions excl. grille (H x W x D)	Ø 242 x 100 mm Ø 9.52 x 3.94 inches	Ø 278 x 113 mm Ø 10.94 x 4.45 inches

OUTDOOR

GARDIAN OW 6
47 - 25,000 Hz +/- 3dB
84 dB @ 1 m for 2.83 V
6 Ohm
103 dB
2,700 Hz
2-way
50 - 200 Watt
1 x 25 mm soft dome (Co-axially mounted)
Soft woven fabric
1 x 5 inch
Polypropylene
Single wire
Tuned Mass Enclosure, 2 x 5 inch (oval) passive radiators
Click n' Connect wall bracket
On-Wall / On-Ceiling
Ceiling / Front / Centre / Surround
IP 67
200 x 372 x 206 mm 7.87 x 14.65 x 8.11 inches
N/A



GARDIAN OW 6 (BLACK)

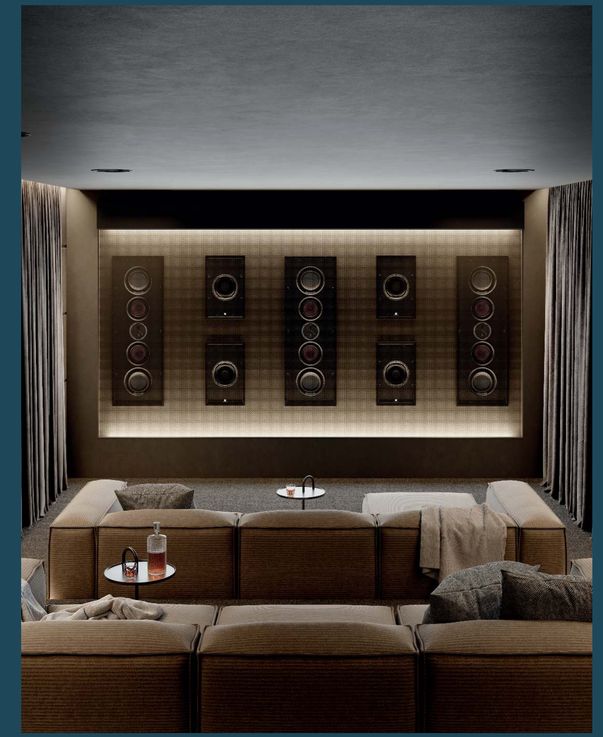
DANISH AUDIOPHILE
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CEDIA MEMBER

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CUSTOM INSTALLATION SERIES

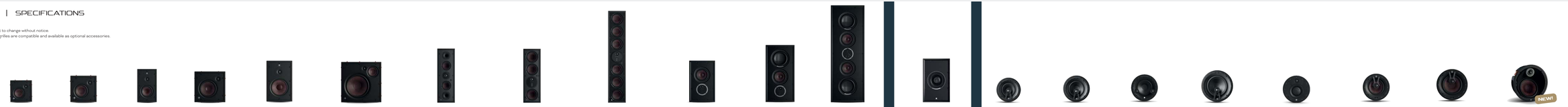
DALI



DANISH AUDIOPHILE
LOUDSPEAKER INDUSTRIES

DALI PHANTOM | SPECIFICATIONS

All technical specifications are subject to change without notice.
PHANTOM E & PHANTOM K series grilles are compatible and available as optional accessories.



	SPECIFICATIONS	H-50	H-60	H-60 R	H-80	H-80 R	H-120	M-250	M-375	M-675	S-80	S-180	S-280	SUB S-100	E-50	E-60	E-60 S	E-80	K-60 LP	K-60	K-80	M-80 A
IN-WALL / ON-WALL	Frequency range	52 - 25,000 Hz ±3 dB	51 - 25,000 Hz ±3 dB	51 - 25,000 Hz ±3 dB	46 - 25,000 Hz ±3 dB	46 - 25,000 Hz ±3 dB	32 - 25,000 Hz ±3 dB	58 - 24,000 Hz ±3 dB	57 - 25,000 Hz ±3 dB	49 - 25,000 Hz ±3 dB	59 - 25,000 Hz ±3 dB	49 - 25,000 Hz ±3 dB	48 - 25,000 Hz ±3 dB	26 - 250 Hz, ±3 dB	58 - 25,000 Hz ±3 dB	52 - 25,000 Hz ±3 dB	57 - 25,000 Hz ±3 dB	49 - 25,000 Hz ±3 dB	52 - 26,000 Hz ±3 dB	51 - 25,000 Hz ±3 dB	48 - 25,000 Hz ±3 dB	48 - 27,000 Hz ±3 dB
	Sensitivity	88 dB @ 1 m for 2.83 V	89 dB @ 1 m for 2.83 V	89 dB @ 1 m for 2.83 V	90 dB @ 1 m for 2.83 V	90 dB @ 1 m for 2.83 V	90 dB @ 1 m for 2.83 V	89 dB @ 1 m for 2.83 V	89 dB @ 1 m for 2.83 V	90 dB @ 1 m for 2.83 V	88 @ 1 m for 2.83 V	89 @ 1 m for 2.83 V	89 @ 1 m for 2.83 V	84 dB @ 1 m for 2.83 V	87 dB @ 1 m for 2.83 V	88 dB @ 1 m for 2.83 V	90 dB @ 1 m for 2.83 V (both channels)	89.5 dB @ 1 m for 2.83 V	84 dB @ 1 m for 2.83 V	87 dB @ 1 m for 2.83 V	87 dB @ 1 m for 2.83 V	86.5 dB @ 1 m for 2.83 V
	Nominal impedance	6 ohm	6 ohm	6 ohm	6 ohm	6 ohm	4 ohm	6 ohm	6 ohm	4 ohm	6 ohm	6 ohm	8 ohm	6 ohm	8 ohm	8 ohm	8 + 8 ohm	6 ohm	8 ohm	6 ohm	6 ohm	6 ohm
	Maximum SPL	105 dB	107 dB	107 dB	109 dB	109 dB	112 dB	107 dB	107 dB	110 dB	108 dB	109 dB	112 dB	110 dB @ 1m	104 dB	105 dB	105 dB	107 dB	103 dB	105 dB	107 dB	106 dB
	Crossover frequency	2,450 Hz	1,900 Hz	1,900 Hz	2,350 Hz	2,350 Hz	850 / 4,000 Hz	2,700 Hz	2,500 / 15,000 Hz	1,000 / 2,800 / 15,000 Hz	2,800 / 15,000 Hz	2,800 / 15,000 Hz	3,000 / 15,000 Hz	N/A	3,600 Hz	3,300 Hz	2,600 Hz	3,200 Hz	2,400 Hz	3,000 Hz	3,000 Hz	2,500 Hz
	Crossover principle	2-way	2-way	2-way	2-way	2-way	3-way	2-way	2 + 1/2-way	2 + 1/2-way	2 + 1/2-way	2 + 1/2-way	2 + 1/2-way	N/A	2-way	2-way	2 + 2-way	2-way	2-way	2-way	2-way	2-way
	Recommended amplifier power	30 - 120 Watt	30 - 150 Watt	30 - 150 Watt	30 - 200 Watt	30 - 200 Watt	50 - 400 Watt	30 - 180 Watt	30 - 180 Watt	40 - 300 Watt	40 - 200 Watt	40 - 200 Watt	40 - 400 Watt	200 - 500 W RMS (Recommended amplifier: DALI PHANTOM CI AMP-2500 DSP)	40 - 120 Watt	30 - 120 Watt	2 x 20 - 80 Watt	30 - 150 Watt	40 - 150 W	40 - 150 W	50 - 200 W	50 - 250 W
	High frequency driver	1 x 28 mm soft dome	1 x 28 mm soft dome	1 x 28 mm soft dome	1 x 28 mm soft dome	1 x 28 mm soft dome	1 x 28 mm soft dome	1 x 28 mm soft dome	1 x 28 mm soft dome 1 x 17 x 45 mm planar	1 x 28 mm soft dome 1 x 17 x 45 mm planar	1 x 28 mm soft dome 1 x 17 x 45 mm planar	1 x 28 mm soft dome 1 x 17 x 45 mm planar	1 x 29 mm soft dome 1 x 17 x 45 mm planar	N/A	1 x 25 mm soft dome	1 x 25 mm soft dome	2 x 20 mm soft dome	1 x 25 mm soft dome	1 x 25 mm soft dome	1 x 28 mm soft dome	1 x 28 mm soft dome	1 x 28 mm soft dome
	High frequency diaphragm	Soft woven fabric	Soft woven fabric	Soft woven fabric	Soft woven fabric	Soft woven fabric	Soft woven fabric	Soft woven fabric	Soft woven fabric	Soft woven fabric	Soft woven fabric	Soft woven fabric	Soft woven fabric	N/A	Soft woven fabric	Soft woven fabric	Soft woven fabric	Soft woven fabric	Soft woven fabric	Soft woven fabric	Soft woven fabric	Soft woven fabric
	Low frequency driver Mid-range driver	1 x 5¼ inch	1 x 6½ inch	1 x 6½ inch	1 x 8 inch	1 x 8 inch	1 x 12 inch / 1 x 5¼ inch	2 x 5 inch	1 x 7 inch	2 x 7 inch	1 x 8 inch	1 x 8 inch	2 x 8 inch	1 x 10 inch long throw, low profile	1 x 5¼ inch	1 x 6½ inch	1 x 6½ inch dual voice coil	1 x 8 inch	1 x 6 inch low profile	1 x 6½ inch	1 x 8 inch	1 x 7 inch
	Low/Mid frequency diaphragm	Wood fibre cone	Wood fibre cone	Wood fibre cone	Wood fibre cone	Wood fibre cone	Wood fibre cone	Wood fibre cone	Wood fibre cone	Wood fibre cone	Wood fibre cone	Wood fibre cone	Wood fibre cone	Anodised aluminium	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Anodised aluminium	Wood fibre cone	Wood fibre cone	Wood fibre cone
	Connection input	Single wire	Single wire	Single wire	Single wire	Single wire	Single wire	Single wire	Single wire	Single wire	Single wire	Single wire	Single wire	Single wire	Single wire	Single wire	2 x Single wire	Single wire	Single wire	Single wire	Single wire	Single wire
	Enclosure type	Open back	Open back	Open back	Open back	Open back	Open back	Bass reflex enclosure, 2 x ports	Tuned mass enclosure, 2 x 7 inch passive radiators	Tuned mass enclosure, 4 x 7 inch passive radiators	Closed box	Tuned mass enclosure, 1 x 10 inch passive radiator	Tuned mass enclosure, 2 x 10 inch passive radiators	Closed box / Infinite baffle	Open back	Open back	Open back	Open back	Open back	Open back	Open back	Open back
	Other features	N/A	N/A	N/A	N/A	N/A	N/A	Normal / HF+	Normal / HF+ Rotatable Hybrid Tweeter module	Normal / HF+ Rotatable Hybrid Tweeter module	Rotatable Hybrid Tweeter module	Rotatable Hybrid Tweeter module	Rotatable Hybrid Tweeter module	N/A	Normal / High+ Normal / Mid+	Normal / High+ Normal / Mid+	Normal L High+ Normal R High+	Normal / High+ Normal / Mid+	Normal / High+	Normal / High+ Normal / Mid+ Tiltable (pivoting) tweeter	Normal / High+ Normal / Mid+ Tiltable (pivoting) tweeter	Normal / High+ Normal / Mid+
	Installation location	In-wall / In-ceiling	In-wall / In-ceiling	In-wall / In-ceiling	In-wall / In-ceiling	In-wall / In-ceiling	In-wall	In-wall / On-wall	In-wall / On-wall	In-wall / On-wall	In-wall / On-wall	In-wall / On-wall	In-wall / On-wall	In-wall / On-wall / Floor	In-ceiling / In-wall	In-ceiling / In-wall	In-ceiling / In-wall	In-ceiling / In-wall	In-ceiling / In-wall	In-ceiling / In-wall	In-ceiling / In-wall	In-ceiling
	Recommended placement	Ceiling / Front / Centre / Surround	Ceiling / Front / Centre / Surround	Ceiling / Front / Centre / Surround	Ceiling / Front / Centre / Surround	Ceiling / Front / Centre / Surround	Front / Centre / Surround	Front / Centre / Surround	Front / Centre / Surround	Front / Centre / Surround	Front / Centre / Surround	Front / Centre / Surround	Front / Centre / Surround	Subwoofer / LFE	Ceiling / Front / Centre / Surround	Ceiling / Front / Centre / Surround	Ceiling / Front / Centre / Surround	Ceiling / Front / Centre / Surround	Ceiling / Front / Centre / Surround	Ceiling / Front / Centre / Surround	Ceiling / Front / Centre / Surround	In-ceiling LCR and surround
	IP rating	N/A	N/A	N/A	N/A	N/A N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Outer dimensions incl. grille (H x W x D)	275 x 275 x 98 mm 10.83 x 10.83 x 3.86 inches	300 x 300 x 98 mm 11.81 x 11.81 x 3.86 inches	414 x 244 x 97 mm 16.30 x 9.61 x 3.82 mm	335 x 335 x 102 mm 13.19 x 13.19 x 4.02 inches	452 x 284 x 107 mm 17.80 x 11.180 x 4.22 inches	487 x 487 x 164 mm 19.17 x 19.17 x 6.46 inches	779 x 254 x 106 mm 30.67 x 10 x 4.18 inches	779 x 254 x 106 mm 30.67 x 10 x 4.18 inches	1324 x 254 x 108 mm 52.13 x 10 x 4.25 inches	657 x 412 x 108 mm 25.87 x 16.22 x 4.26 inches	907 x 462 x 108 mm 35.71 x 18.19 x 4.26 inches	1537 x 537 x 108 mm 60.51 x 21.14 x 4.26 inches	657 x 412 x 107 mm 25.87 x 16.22 x 4.22 inches	Ø 231 x 105 mm Ø 9.09 x 4.13	Ø 258 x 104 mm Ø 10.16 x 4.09 inches	Ø 258 x 109 mm Ø 10.16 x 4.3 inches	Ø 295 x 116 mm Ø 11.61 x 4.57 inches	Ø 265 x 43 mm Ø 10.43 x 1.70 inches	Ø 265 x 108 mm Ø 10.43 x 4.26 inches	Ø 301 x 120 mm Ø 11.85 x 4.73 inches	Ø 289 x 138.5 mm Ø 11.38 x 5.46 inches
	Outer dimensions excl. grille (H x W x D)	260 x 260 x 96 mm 10.24 x 10.24 x 3.78 inches	285 x 285 x 96 mm 11.2 x 11.2 x 3.7 inches	410 x 240 x 96 mm 16.14 x 9.45 x 3.78 inches	320 x 320 x 99 mm 12.6 x 12.6 x 3.9 inches	448 x 280 x 106 mm 17.64 x 11.02 x 4.18 inches	472 x 472 x 162 mm 18.58 x 18.58 x 6.37 inches	775 x 250 x 105 mm 30.51 x 9.84 x 4.14 inches	775 x 250 x 105 mm 30.51 x 9.84 x 4.14 inches	1320 x 250 x 105 mm 51.97 x 9.84 x 4.14 inches	647 x 402 x 107 mm 25.47 x 15.83 x 4.212 inches	897 x 452 x 106 mm 35.32 x 17.8 x 4.22 inches	1527 x 527 x 107 mm 60.12 x 20.75 x 4.22 inches	647 x 402 x 106 mm 25.47 x 15.83 x 4.18 inches	Ø 214 x 101 mm Ø 8.4 x 3.98 inches	Ø 242 x 100 mm Ø 9.53 x 3.94 inches	Ø 242 x 105 mm Ø 9.53 x 4.14 inches	Ø 278 x 113 mm Ø 10.84 x 4.45 inches	Ø 242 x 41 mm Ø 9.53 x 1.62 inches	Ø 242 x 106 mm Ø 9.53 x 4.18 inches	Ø 278 x 118 mm Ø 10.95 x 4.65 inches	Ø 278 x 138 mm Ø 10.94 x 5.44 inches


PHANTOM H-60 R (in-wall, without grille)


PHANTOM S-280 AND S-80 (framed on-wall, without grille)


PHANTOM K (in-ceiling, white grille)


PHANTOM M-80 A (in-ceiling, without grille)