AUSTRALIAN MONITOR
INTEGRATION INTELLIGENCE

SH HORN SERIES

SH10 • SH15 • SH30

SH10

SH15

SH30

The Australian Monitor SH series horns are both constant voltage and low impedance, designed for paging and background music systems requiring vocal clarity and sound projection.

Constructed from tough ABS plastic with an Aluminium flare, the SH horns are designed for both indoor and outdoor use with an IP66 rating.

The SH Horns come in 10W, 15W and 30W models

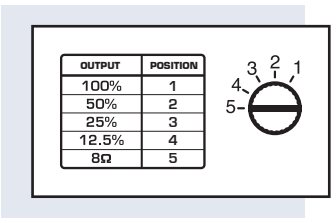
100V
70V
8Ω
Output

IP66
RATED
Outdoor Use

Aluminium Flare

FEATURES

- 10, 15 and 30 Watt models
- 100V, 70V and 8Ω Input
- Adjustable power tappings to 100%, 50%, 25%, 12.5% and 8Ω
- Supervisory capacitor for evac monitoring
- Aluminium flare with UV stabilised ABS housing
- IP66 construction



Rear Panel - Horn Tap Selector

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SPECIFICATIONS

MODEL	SH10	SH15	SH30
POWER (CONTINUOUS, PROGRAM)	10W, 20W	15W, 30W	30W, 60W
SENSITIVITY (1W/1M) HALF SPACE	107dB	109dB	111dB
MAX SPL (CONTINUOUS, PROGRAM @ 1M)	117dB/120dB	121dB/124dB	126dB/129dB
FREQUENCY RESPONSE (-10dB)	350Hz - 9.5kHz	350Hz - 9.5kHz	350Hz – 9.5kHz
TAPPINGS	100V: 10W (1kΩ), 5W (2kΩ), 2.5W (4kΩ), 1.25W (8kΩ) 70V: 5W (1kΩ), 2.5W (2kΩ), 1.25W (4kΩ), 0.625W (8kΩ) 8Ohm: 10W	100V: 15W (666Ω), 7.5W (1k3Ω), 3.8W (2k6Ω), 1.9W (5k2Ω) 70V: 7.5W (666Ω), 3.8W (1k3Ω), 1.9W (2k6Ω), 0.95W (5k2Ω) 8Ohm: 15W	100V: 30W (333Ω), 15W (666Ω), 7.5W (1k3Ω), 3.8W (2k6Ω) 70V: 15W (333Ω), 7.5W (666Ω), 3.8W (1k3Ω), 1.9W (2k6Ω) 8Ohm: 30W
SUPERVISOR CAPACITOR	Yes	Yes	Yes
CONNECTION	4 core cable		
COMPRESSION DRIVER	34mm	34mm	40mm
CONSTRUCTION	Aluminium Flare, UV stabilised ABS housing, powder coated mild steel bracket		
IP RATING	IP66		
FINISH	White (RAL9010)		
OPERATING TEMPERATURE	-20 °C to +55 °C		
PRODUCT DIMENSIONS (W X D)	177 x 196mm	205 x 230mm	249 x 280mm
PRODUCT WEIGHT	1.4kg	1.6kg	2.0kg
SHIPPING DIMENSIONS (W X D X H)	200 x 200 x 210mm	220 x 220 x 245mm	275 x 275 x 290mm
SHIPPING WEIGHT	1.7kg	1.8kg	2.5kg

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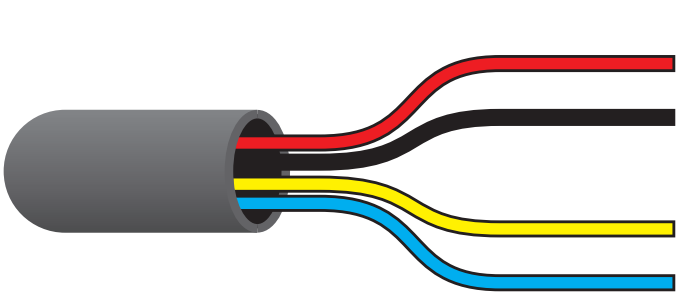
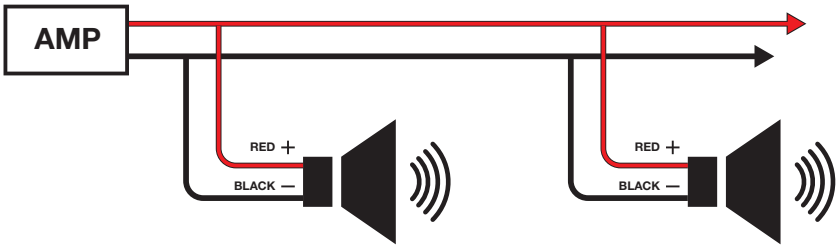
WIRE DRAWING

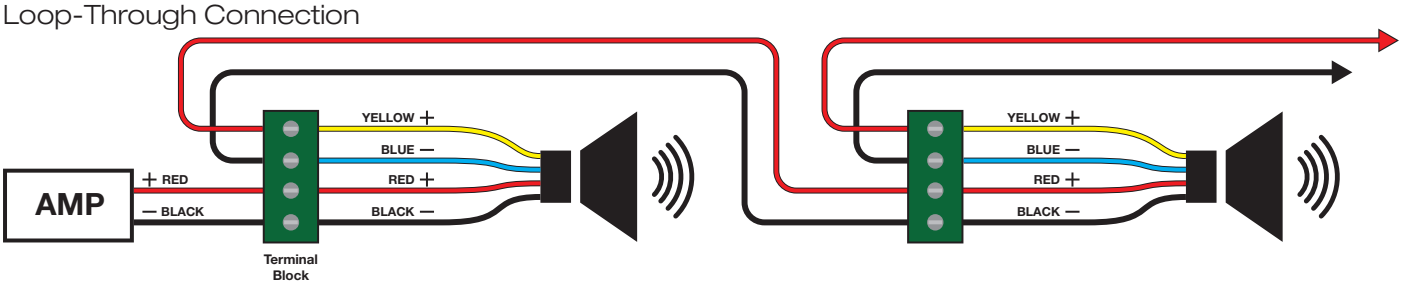


CONNECTION DIAGRAMS

Parallel Connection

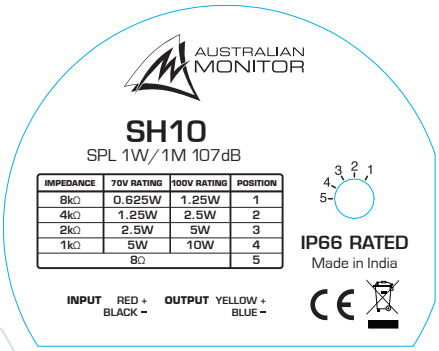


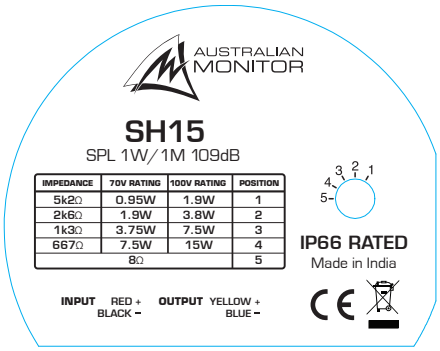
Loop-Through Connection

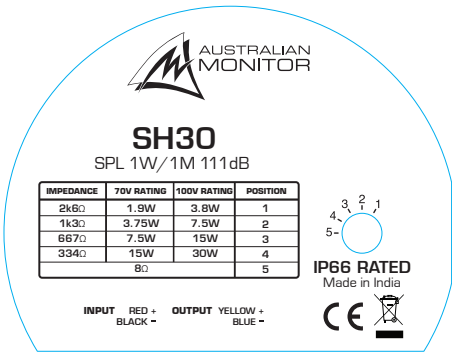


SELECTING OUTPUT POWER

Use the selector switch on the rear of the speaker to select the required power tapping.
Each position corresponds to the power shown in the labels below.



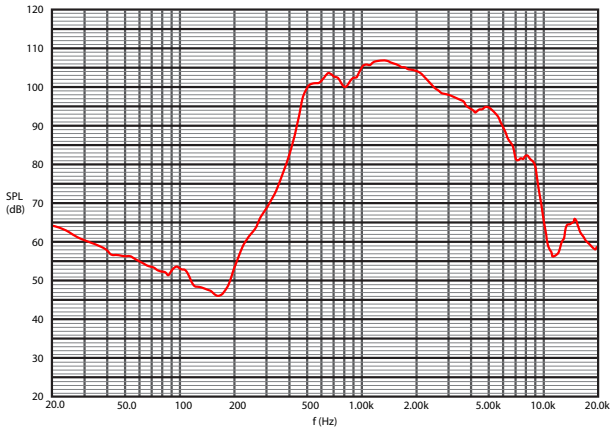




POLAR AND FREQUENCY RESPONSES

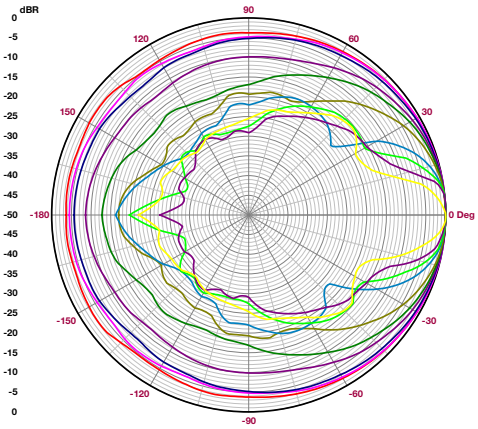
SH10

FREQUENCY RESPONSE AT HALF SPACE



SH10

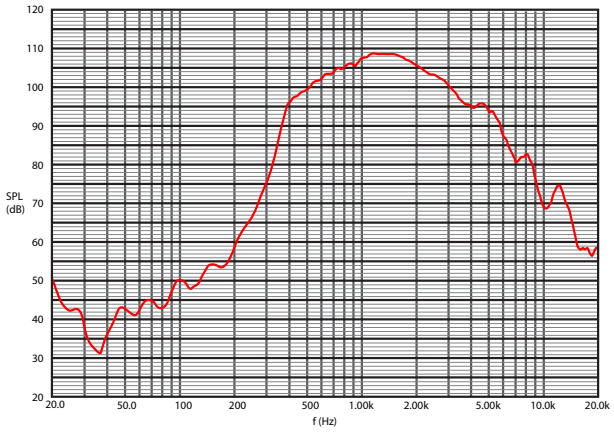
RATIO VS ANGLE



Curve	Freq	BW	Q	DI
	441.94	360	1.0	0.0
	625.00	218	1.7	2.2
	883.88	205	1.8	2.5
	1.25K	110	3.3	5.2
	1.77K	89	4.0	6.1
	2.50K	66	5.4	7.4
	3.54K	42	8.5	9.3
	5.00K	35	10.3	10.1
	7.07K	28	13.0	11.1
	10.00K	20	17.6	12.5

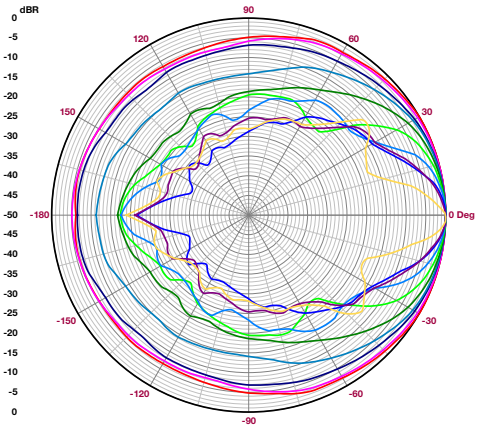
SH15

FREQUENCY RESPONSE AT HALF SPACE



SH15

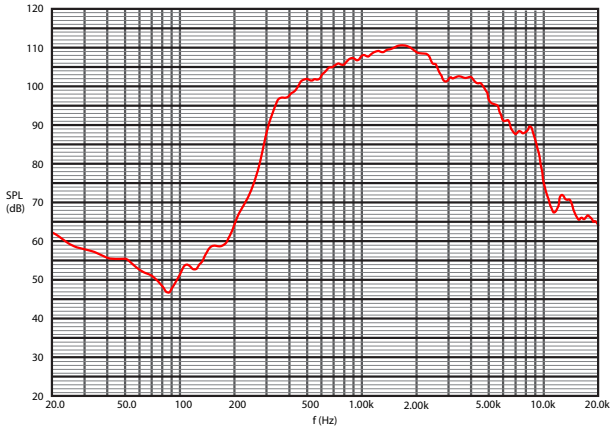
RATIO VS ANGLE



Curve	Freq	BW	Q	DI
	441.94	206	1.7	2.4
	625.00	182	2.0	3.0
	883.88	147	2.5	3.9
	1.25K	100	3.6	5.6
	1.77K	76	4.7	6.8
	2.50K	57	6.4	8.0
	3.54K	41	8.8	9.4
	5.00K	31	11.5	10.6
	7.07K	33	11.1	10.4
	10.00K	14	24.9	14.0

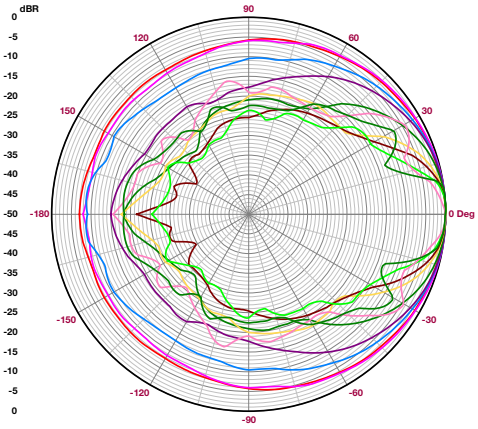
SH10

FREQUENCY RESPONSE AT HALF SPACE



SH30

RATIO VS ANGLE



Curve	Freq	BW	Q	DI
	441.94	183	2.0	2.9
	625.00	179	2.0	3.0
	883.88	112	3.2	5.1
	1.25K	92	3.9	5.9
	1.77K	65	5.5	7.4
	2.50K	45	8.1	9.1
	3.54K	40	9.1	9.6
	5.00K	31	11.5	10.6
	7.07K	28	13.0	11.1
	10.00K	26	13.6	11.3

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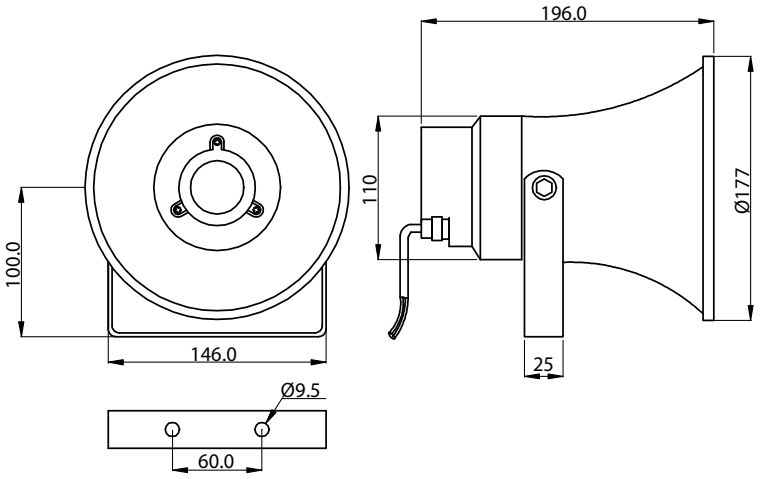
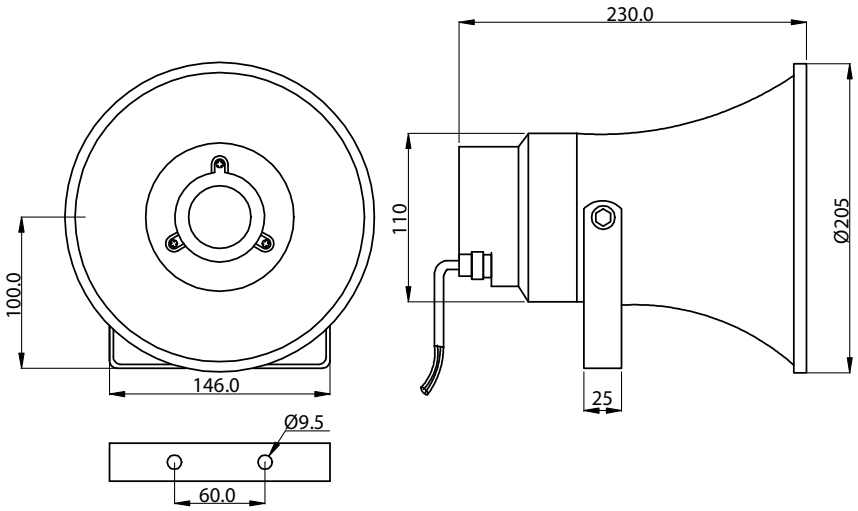
LINE DRAWINGS

SH10



SH15



SH30