

Fire detection and evacuation solutions that save lives.

SPK Loudspeaker Range



Designed to complement the EvacU Elite and Occupant Warning Systems, the Ampac SPK loudspeaker range offer optimised performance and deliver excellent speech intelligibility in a stylish, easy to install lightweight package.

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SPK-06 Ceiling Speaker

- ✓ Stylish Design
- ✓ Low Profile Body
- ✓ Snap-fit Spring Fixings
- ✓ Metal Grill
- ✓ Excellent Speech Intelligibility
- ✓ High Quality Speaker Drive
- ✓ 5 Power Tap Settings
- ✓ Quick & Easy Install



Product Overview

The SPK-06 range of ceiling mount loudspeakers have been carefully designed to complement the Ampac EvacU and EvacU Elite Emergency Warning & Intercom System. The speaker range is stylish, lightweight, quick and easy to install, and finished in semi gloss white or matt black.

With a wide frequency range and sound characteristics attributed to a bass speaker, the SPK-06 delivers excellent speech intelligibility and background music performance.

The SPK-06 is certified to a number of international product standards and is supplied as standard with a rear cover manufactured from either PET plastic, ABS flame resistant material or a metal fire dome to meet IP21C. For systems requiring compliance to BS5839-8 a variant of the SPK-06 is available incorporating ceramic terminals and thermal fuse.

A fixing adaptor is available for wall mount or direct concrete slab/ surface mount applications.

Item Numbers

4113-6001	SPK-06 White Ceiling Speaker 6W Red PET Rear Cover
4113-6002	SPK-06 White Ceiling Speaker 6W Red ABS Rear Cover
4113-6003*	SPK-06 White Ceiling Speaker 6W Red Metal Rear Cover
4113-6004	SPK-06 Black Ceiling Speaker 6W Red PET Rear Cover
4113-6005	SPK-06 Black Ceiling Speaker 6W Red ABS Rear Cover
4113-6006*	SPK-06 Black Ceiling Speaker 6W Red Metal Rear Cover
4113-6101	Surface Mount ABS White Adaptor
4113-6102	Surface Mount ABS Black Adaptor

* includes thermal fuse & ceramic terminals



PET Rear Cover



ABS Rear Cover



Metal Rear Cover



Surface Adaptor

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SPK-07 Horn Speaker

- ✓ Wall & Ceiling Applications
- ✓ High Reliability & Efficiency
- ✓ 4 Power Tap Settings
- ✓ No External EQ Required
- ✓ Excellent Acoustic Parameters
- ✓ IP66 Protection Rating
- ✓ Stainless Steel Heavy Duty Bracket

Product Overview

The SPK-07 Horn speakers stylish housing is manufactured from tough UV stabilised impact resistant UL-94V0 ABS plastic finished in Grey or Black. The Horn speaker complies to a number of international product standards and is quick and easy to install.



Item Numbers

4113-6201	SPK-07 Grey Horn Speaker
4113-6202	SPK-07 Black Horn Speaker

SPK-08 Sound Projector

- ✓ Superb Speech and Music Reproduction
- ✓ Stylish Design
- ✓ 4 Power Tap Settings
- ✓ Ceiling or Wall Mount
- ✓ Water and Dust Protected to IP66
- ✓ High Quality Speaker Driver
- ✓ Metal Grill

Product Overview

The SPK-08 is a powerful 10W Sound Projector intended for speech and music reproduction for use with the EvacU Elite system. The sturdy ABS design is finished in White or Black and is ideal for both indoor and outdoor applications.



Item Numbers

4113-6401	SPK-08 White Sound Projector
4113-6402	SPK-08 Black Sound Projector

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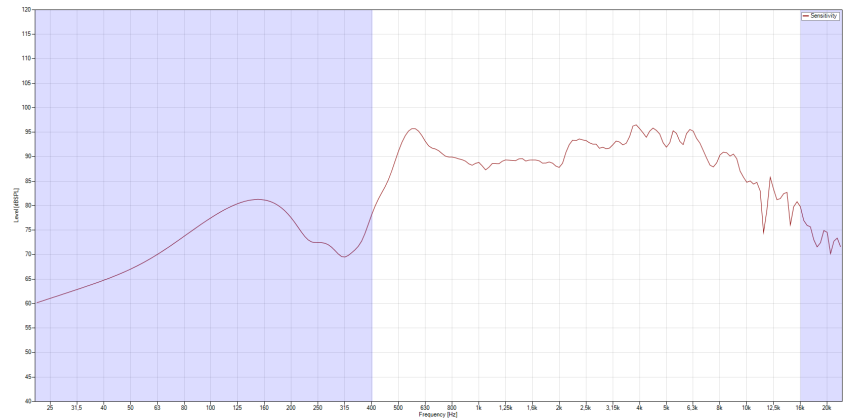
SPK Loudspeaker Specifications

Range	SPK-06			SPK-07	SPK-08
Item No (white)	4113-6001	4113-6002	4113-6003		4113-6401
Item No (grey)				4113-6201	
Item No (black)	4113-6004	4113-6005	4113-6006	4113-6202	4113-6402
Rated Noise Power	6 Watts (100V line)			10 Watts (100V line)	
Power Taps	0.375W / 0.75W / 1.5W / 3W / 6W			1.25W / 2.5W / 5W / 10W	
Impedance (100V)	1667 / 3333 / 6667 / 13333 / 26667 Ω			1000 / 2000 / 4000 / 8000 Ω	
Frequency Range	104 - 17.200 Hz			569 - 7.000 Hz	150 - 20.000 Hz
Frequency Response	57 - 24.000 Hz			370 - 13.600 Hz	120 - 21.000 Hz
SPL 1W/1m	96 dB	96 dB	97 dB	95 dB	98 dB
SPL 1W/4m	84 dB	84 dB	85 dB	91 dB	86 dB
SPL Maximum	~ 100dB @ 6W				
Sensitivity 1W / 4m	74.8 dB	74.8 dB	74.2 dB	83 dB	75 dB
Coverage Angle (-6dB)	500Hz: 180°, 1KHz: 180°, 2KHz: 155°, 4KHz 80°			500Hz: 360°, 1KHz: 360°, 2KHz: 95°, 4KHz 50°	500Hz: 360°, 1KHz: 252°, 2KHz: 110°, 4KHz 58°
Environmental Type	A (for indoor applications)			B (for outdoor applications)	
Working Temperature	-10 to +55 °C			-25 to +70°C	
Protection Rating	IP21C			IP33C (EN54-24) IP66 (BS EN 60529)	
Speaker Component	100mm (4") paper cone speaker			N/A	130mm (5") paper cone
Mounting Hole	140mm $\varnothing$			N/A	
Mounting Method	2 x spring loaded clips			Stainless Steel Bracket	Aluminium Bracket
Line Monitoring	2.2 μ F bipolar capacitor			3.3 μ F bipolar capacitor	2.2 μ F bipolar capacitor
Maximum Conductor	2.5mm ² (14AWG)				
Connection	4 way screw terminal (2 x +ve & 2 x -ve line In/Out)				
Terminal Material	Plastic	Plastic	Ceramic	Ceramic	
Overload Thermal Fuse	No	No	150°C, 2A, 250V	150°C, 2A, 250V	
Finish	Semi Gloss White (RAL9016) or Matt Black (RAL9005)			Grey (RAL7035) or Matt Black (RAL9005)	White (RAL9016) or Matt Black (RAL9005)
Dimensions	160mm $\varnothing$ x 67mm D			142 mm $\varnothing$ x 256mm D	137 mm $\varnothing$ x 200mm D
Surface Mount Adaptor Dimensions	290mm $\varnothing$ x 80mm D			N/A	N/A
Weight	510g	580g	710g	2000g	1440g
BS5839 Compliant			Yes	Yes	Yes
Certification & Approvals	EN54-24:2008 Fire detection & alarm systems - Part 24: Components of voice alarm systems 1438-CPR-1003, 1438-CPR-1004, 1438-CPR-1056 DoP AT-6113-6000 Dubai Civil Defence (DCD) cert ref DC-UAE-0282/ DC-UAE-0283 / DC-UAE-0289 AS ISO 7240.24:2018 SMK41545				

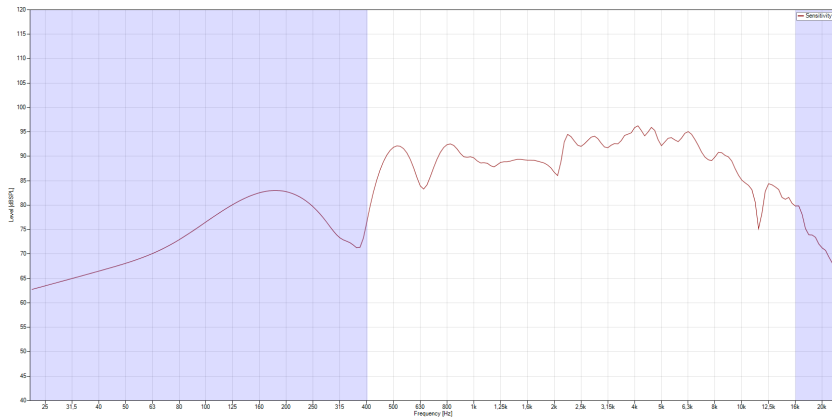
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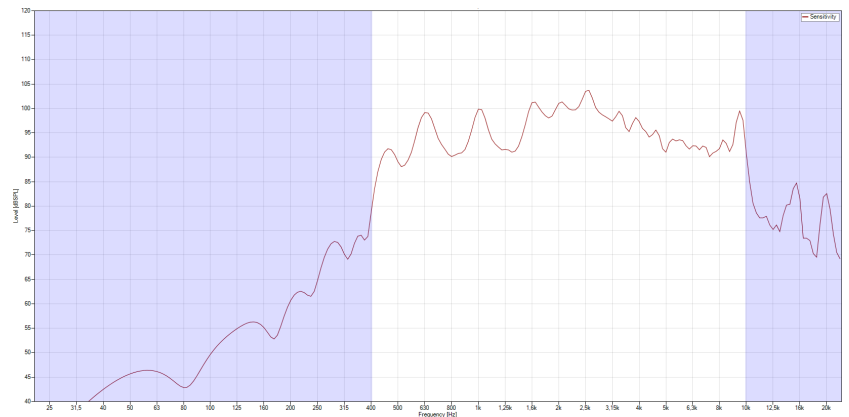
SPL vs Frequency Diagram
1W at 1M
SPK-06 ABS/Metal Cover



SPL vs Frequency Diagram
1W at 1M
SPK-06 PET Cover



SPL vs Frequency Diagram
1W at 1M
SPK-07



SPL vs Frequency Diagram
1W at 1M
SPK-08

