



Powerful Sound

for outdoor applications:

Weatherproof PA speaker systems with EN 54-24 certification

The SL series from MONACOR is the ideal solution for demanding PA projects which require a high level of direct sound, an excellent speech intelligibility and maximum sound pressure levels, e.g. in stadiums, megastores, exhibition halls or airports. The speakers with IP66 certification support either 100 V transmission technology or 8 Ω operation and are equipped with a 2-way bass reflex system. A rotary switch can be used to select between three power taps of the

100 V transformer as well as the 8 Ω operation. The speaker systems with EN 54-24 certification meet highest safety requirements and are approved for application in voice alarm systems. Thanks to the robust and weatherproof ABS cabinet, speakers from the SL series are ideally suited for outdoor applications. The SL series is even more flexible due to versatile installation possibilities: in addition to a tiltable mounting bracket for wall mounting or ceiling suspension, MONACOR also offers suitable mounting accessories for installation onto round bases or poles.



SL-150SW/EN

Order No. 1001155

SL-150WS/EN

Order No. 1001156

Weatherproof PA speaker systems, 150 W, with EN 54-24 certification, 20 cm (8") coaxial speaker



SL-250SW/EN

Order No. 1001157

SL-250WS/EN

Order No. 1001158

Weatherproof PA speaker systems, 250 W, with EN 54-24 certification, 30 cm (12") coaxial speaker

- 100 V transmission technology or 8 Ω operation
- 2-way bass-reflex system
- With tweeter and crossover network
- Excellent sound
- IP66 tested
- ABS cabinet with metal grille
- Recessed connection terminal with cover plate and high-strength cable gland
- Supplied with safety rope
- Stainless steel wall bracket

	150W	250W
100V	Model SL-150SW/EN, SL-150WS/EN SL-250SW/EN, SL-250WS/EN	
8Ω	Total power rating 150 W 250 W	
	Power rating (RMS) 150/75/38 W 250/125/63 W	
	Impedance 8 Ω 8 Ω	
	Frequency range 90-19,000 Hz 85-19,000 Hz	
	SPL 98 dB/W/m 99.6 dB/W/m	
	Max. rated SPL 120 dB 122.5 dB	
	Radiation angle/beam angle H: 80°/V: 80° H: 60°/V: 70°	
IP66	Housing material ABS ABS	
	Mounting device mounting bracket mounting bracket	
EN 54	Protection class IP66 IP66	
	Admiss. ambient temp. -25 °C to +70 °C -25 °C to +70 °C	
	Dimensions 315 x 305 x 350 mm 425 x 418 x 390 mm	
NEW	Weight 11.85 kg 18.9 kg	
	Inputs screw terminal screw terminal	

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MONACOR

6 x
SL-150WS/EN

Order No. 1001156

Weatherproof PA speaker system, 150 W



ZONE 1

4 x
IT-400TW

Order No. 0162580

Weatherproof horn speaker (music horn), 2-way technology

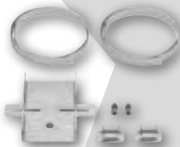


ZONE 2

4 x
ITH-300

Order No. 0163360

Pole mount kit for PA horn speakers



1 x
PA-1960

Order No. 0172550

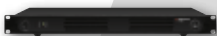
High-power mono PA amplifier, 960 W



1 x
PA-948S

Order No. 0177020

Mono PA power amplifier, 480 W



1 x
WAP-204RS

Order No. 1000989

Internet radio, FM RDS and DAB+ tuner, MP3 player



1 x
PA-6040MPX

Order No. 0174760

4-zone mixer



1 x
PA-4000RC

Order No. 0236010

PA 4-zone paging desktop microphone



1 x
UF-20R/5

Order No. 0257210

2-channel true diversity UHF PLL wideband receiver



2 x
JSS-20/5

Order No. 0257200

Dynamic hand-held UHF PLL transmitter



Professional audio technology for sports fields and football pitches: use high-performance speakers to reach both visitors and players

Sample application: football pitch, with 4,050 m² or more

Requirements made on sports field and football pitches are demanding: maximum operating range, good coverage and maintaining an excellent sound in order to reach audience and players alike - both on the grandstand and sports field. In order to achieve this, noise from the enthusiastic crowd must be drowned out at all times. Hence, voice transmissions and music are delivered effectively to the required areas.

Customer requirements:

- Reliable, powerful and scalable all-round solution with high sound pressure levels
- Excellent speech intelligibility across the entire sports ground
- Durable and weatherproof speakers for installation at buildings, floodlight poles or grandstands
- 2-zone PA application with versatile routing options for each input channel
- 2-channel wireless system for voice transmissions incl. hand-held transmitters for announcements

Solution

Weatherproof speaker systems SL-150WS/EN (150 W) provide a consistent sound radiation across the entire length of the grandstand. The PA speakers which feature IP66 and EN 54 certification are ideally suited for outdoor applications and combine a high-quality sound, high level stability and a reliable operation in all weather conditions. The speakers feature a 20 cm (8") coaxial speaker and a 1" tweeter which provide a powerful sound while delivering a perfect speech intelligibility across all seating areas. Horn speakers

IT-400TW have been applied on the sports field: for a detailed reproduction of speech and music, the 2-way music horns feature a 6.5" cone bass-midrange speaker and horn tweeter which ensure a wideband sound with a distinct fundamental note. Wireless system UF-20R/5 with dynamic hand-held transmitter JSS-20/5 is used for voice transmission, e.g. for generally informing visitors or commentating sporting events. If combined with 2 passive UHF directional antennas, you can increase your operating range considerably.

Your Project is Our Project!

Are you planning a sports field project? The technical project management team from MONACOR will be happy to give you expert advice and practical support. Together, we will identify challenges at an early stage and thus can implement the perfect solution. You can contact us by telephone at +49 421 4865-444 or by e-mail at export@monacor.com.