

DSP1280F

Professional Waterproof Active Line Array Speaker System



Description

The Professional Waterproof Active Line Array Speaker System is engineered for demanding applications that require exceptional sound quality, robust amplification, and reliable weather resistance. It can reach IP66 waterproof protection level, further enhanced by a durable polyurea coating, making it built to handle outdoor stages, open-air events, humid auditoriums, and large conference rooms where moisture is a concern. Beyond its weatherproof construction, the system delivers powerful, high-fidelity audio with exceptional projection, capable of filling even the largest venues with clear and impactful sound regardless of the environment. Whether deployed for an outdoor performance, a school assembly, or a critical conference, this system seamlessly unifies professional-grade acoustic performance with rugged waterproof protection.

Features

- Modular design enables flexible speaker combinations.
- Delivers optimal sound coverage and uniform distribution.
- System sensitivity: 98dB sensitivity; 130dB Max. SPL.
- Built-in high-efficiency independent power amplifier, with total output power up to 2400W.
- Ensures clear and intelligible audio even in noisy environments.
- Coated with advanced polyurea waterproof paint, reaching an IP66 waterproof level.

- Features strong resistance to dust, water, and moisture.
- Maintains stable and reliable performance in harsh conditions.

Specifications

Model	DSP1280F
Frequency Response	35Hz-20KHz(±3dB) 1watt@1m
Sensitivity	Full-Range Speaker: 96dB Subwoofer: 95dB Whole System: 98dB
Max.SPL	Full-Range Speaker: 125dB Subwoofer: 124dB Whole System: 130dB
Nominal Impedance	4 Ohm
Nominal Power	800W Full-range Speaker, 800W Subwoofer
Peak Power	3200W
Dispersion H x V	140° Horizontal * 25° Vertical
Crossover Point	Active 150Hz, Built-in Mid and High-frequency Drivers: 1.2KHz
HF drivers	2 × 1.75" HF drivers (44-turn voice coil tweeter)
MF drivers	6 × 5.5" Midrange drivers (35mm voice coil)
SUB drivers	2 × 12" Subwoofers (75mm voice coil)
Active Power Amplifier	2×1200W
Paint	Polyurea Waterproof and Scratch-resistant Paint
Product Dimensions	Upper Column Speaker: 700H × 150W × 190D (mm)
	Lower Column Speaker: 650H × 150W × 170D (mm)
	Subwoofer: 860H × 340W × 350D (mm)
Net Weight	Upper Column Speaker: 14kg
	Lower Column Speaker: 11kg
	Subwoofer: 32kg

Product Information

- 1. 485 IN / 485 OUT Debugging Ports:** Used for connection with debugging software.
- 2. INPUT Audio Input Port:** Connects to external audio signals.
- 3. LINK Cascade Port:** Used to connect to the next speaker.
- 4. AC INPUT Power Input Port:** Provides power supply for the device.
- 5. AC LINK Power Cascade Port:** Supplies power to the next device.

