

**The S-15 is a powerful 15" subwoofer designed to complement the small-to-medium full range loudspeakers within the EM Acoustics range in a wide range of applications. The S-15 is as much at home as a compact FOH subwoofer for small to medium scale live music reinforcement as it is in a theatre, cafe/bar or nightclub installation.**

## FEATURES AND BENEFITS

- Compact size yet significant output
- Compact all-purpose subwoofer
- 1 x 15" neodymium high-excursion LF drive unit
- Impact and weather resistant black, and textured white finishes as standard
- Multiple M10 flying points
- M20 threaded pole mount adapter
- RAL colour and weather protection options
- Tour-grade castors included
- Protective cover accessories available



## APPLICATIONS

- Cafés and bars
- Houses of worship
- Conference, corporate and audio-visual
- Live music, nightclub and theatre

The S-15 is a high-performance subwoofer with a frequency response and SPL output that defies its compact dimensions, making it ideal for installations as well as mobile situations.

The compact enclosure houses a single 4" voice coil 15" (381mm) high-excursion neodymium LF drive unit, and is rigidly braced to minimise unwanted panel resonance. Constructed from multi-laminate premium birch plywood, the optimally-tuned enclosure includes two flush bar handles, rubber feet and mating recesses, and an M20 threaded pole adapter, as well as a total of 16 M10 rigging points for flying in both temporary and permanent installation applications. The S-15 is also supplied with a tour-grade castor set for easier transport.

The enclosure includes a pair of Neutrik® speakON™ NL4 connectors for input and enclosure link, and a tough mesh-backed perforated steel grille protects the drive unit from damage which can be quickly removed

## ENCLOSURE OPTIONS

S-15 enclosures are available as standard in black 3-step impact resistant polyurethane finish, or white water-based Warnex textured paint. Custom RAL colours can be supplied on request; extended lead times and set up costs apply. S-15 enclosures can also be supplied as an outdoor version (OD), finished in the same black weather-resistant 3-step polyurethane coating, with stainless steel grilles and weather-resistant connector options, and other cabinet details bespoke to the customer's request. Custom RAL colours are also available for outdoor options by specific quote. Please contact your local EM Acoustics representative for details.

for service purposes. The enclosure is finished in a rugged black textured polyurethane finish or white textured paint as standard, however RAL colour matching and weather-protected outdoor installation options are also available.

The S-15 is designed to be a core workhorse subwoofer within the EM Acoustics range – compact enough to be transportable yet powerful enough to be useful for supporting larger models within the EM Acoustics range. The S-15 can support any product, but is especially suitable for reinforcing EMS-81X, EMS-101X and EMS-126/129 loudspeakers.

The S-15 requires external active high/low pass filters and a single amplifier channel, and should be used with professional power amplifiers capable of delivering 1000 to 1600W RMS into an 8-ohm load. For optimal results, the DQ Series Advanced System Amplifiers should be used.

## TECHNICAL SPECIFICATIONS

|                                   |   |
|-----------------------------------|---|
| ENCLOSURE TYPE:                   | Reflex loaded subwoofer   |
| DIMENSIONS: (HxWxD): :            | 519 (20.4) x 510 (20.1) x 570 (22.4) mm/(ins)   |
| NET/SHIPPING WEIGHT:              | 36kg/39kg (79.2/85.5lbs)  |
| FREQUENCY RESPONSE <sup>1</sup> : | 40Hz – 150Hz ±3dB   |
| SENSITIVITY <sup>2</sup> :        | 95dB  |
| DISPERSION <sup>3</sup> :         | Omnidirectional   |
| DRIVE UNITS:                      | 1 x 15" (381mm) neodymium LF drive unit   |
| LOUDSPEAKERS PER AMPLIFIER        | DQ6*: 1 per channel, DQ10: 2 per channel, DQ20: 4 per channel   |
| POWER HANDLING:                   | 800W RMS, 1600W program   |
| MAXIMUM SPL <sup>4</sup> :        | 128dB continuous, 134dB peak  |
| NOMINAL IMPEDANCE:                | 8 ohms  |
| CROSSOVER:                        | External active   |
| CONNECTORS:                       | 2 x Neutrik® speakON™ NL4   |
| ENCLOSURE:                        | 15mm (5/8") multi-laminate Birch plywood<br>Finished in impact and weather resistant black polyurethane, or textured white paint          |
| RIGGING & HARDWARE:               | 16 x M10 threaded mounting points, two flush bar handles,<br>rubber feet and mating recesses, M20 threaded pole mount, tour-grade castors |
| GRILLE:                           | Mesh-backed perforated steel  |
| OPTIONS:                          | Colours / weather protection  |
| ACCESSORIES                       | TC-S15 padded transit cover   |
| SPARE PARTS:                      | DU-1508 15" drive unit<br>RFG-S15 replacement grille  |

### NOTES ON MEASUREMENT CONDITIONS:

<sup>1</sup>Measured on-axis at 2m in an anechoic environment and referenced to 1m. <sup>2</sup>Measured in half space at 2m with 4W sine wave input and referenced to 1m. <sup>3</sup>Nominal dispersion, measured in an anechoic environment and averaged over stated bandwidth. <sup>4</sup>Calculated and verified by subjective listening test of familiar program material.

\* The DQ6 does not provide sufficient power for maximum headroom for the S-15 and as such should only be used in lower SPL environments.

## ENGINEERING DRAWING

