

# SSOUNDS P15

Two-way dual-15" point source, high-output mains and fill with a rotatable constant-directivity horn.

P stands for Point Source.



SSOUNDS P15 · PRODUCT VIEWS

## AT A GLANCE

|              |                       |
|--------------|-----------------------|
| MODEL / SKU  | CATEGORY              |
| SS-P15       | Point Source Speakers |
| BRAND        | DRIVE                 |
| SSOUNDS      | Passive               |
| CONDITION    |                       |
| New          |                       |
| APPLICATIONS |                       |
| POINT-SOURCE | FOH                   |
| INSTALL      |                       |

## OVERVIEW

The P15 is a high-output two-way point source: two 15" low-frequency drivers and a 3" voice-coil compression driver on a 90° × 60° constant-directivity horn, reaching 138 dB peak from a 47 kg cabinet. It is the wide-coverage counterpart to the three-way long-throw P15-X, built for main PA and fill duty where output and pattern control matter more than throw distance. Flown, stacked or pole-mounted for live, install and worship.

- 2 × 15" low-frequency drivers with a 3" voice-coil compression driver
- 90° × 60° constant-directivity horn
- 138 dB peak SPL
- 47 kg cabinet, 1,090 × 445 × 505 mm
- Passive, one channel of a D24X system DSP amplifier per cabinet
- Flown, stacked or pole-mounted for mains and fill

TECHNOLOGIES

|                                                                                                     |                                                                               |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
|  <b>DYNACONTROL</b> | Holds the tuned tonal balance as voice coils heat under sustained output.     |
|  <b>VOXCLEAR</b>    | Voicing developed for speech intelligibility in acoustically difficult rooms. |

SPECIFICATIONS

GENERAL

|                |                            |
|----------------|----------------------------|
| Type           | Passive 2-way point source |
| Certifications | CE · TÜV · EAC · WEEE      |

ACOUSTIC PERFORMANCE

|                          |                            |
|--------------------------|----------------------------|
| Coverage <sup>2</sup>    | 90° × 60° (rotatable horn) |
| Maximum SPL <sup>1</sup> | 138 dB peak @ 1 m          |

TRANSDUCERS & COMPONENTS

|                |                                      |
|----------------|--------------------------------------|
| Low frequency  | 2 × 15" woofers                      |
| High frequency | 1 × 3" voice-coil compression driver |

ELECTRICAL

|                                |                                                                                                          |
|--------------------------------|----------------------------------------------------------------------------------------------------------|
| Amplification                  | Passive, one channel of a SSOUNDS D24X system<br>DSP amplifier per cabinet (4 cabinets per<br>amplifier) |
| Nominal impedance <sup>3</sup> | 8 Ω                                                                                                      |
| Crossover                      | Passive                                                                                                  |

CONNECTORS & I/O

|            |                                     |
|------------|-------------------------------------|
| Connectors | 2 × NL4 speakON (in / link)         |
| Pin map    | 1+/1- full range · 2+/2- not linked |

RIGGING & MOUNTING

|          |                           |
|----------|---------------------------|
| Mounting | M10 inserts · pole socket |
|----------|---------------------------|

PHYSICAL & CONSTRUCTION

|                                     |                                       |
|-------------------------------------|---------------------------------------|
| Dimensions (H × W × D) <sup>5</sup> | 1,090 × 445 × 505 mm                  |
| Net weight <sup>4</sup>             | 47 kg / 104 lb                        |
| Enclosure                           | 15 mm birch · Polyurea · steel grille |

## NOTES

1. Maximum SPL is the peak level at 1 m, driven with pink noise at crest factor 4 to the clipping point of the recommended amplifier, with the SSOUNDS system preset applied. Full-range enclosures are specified under free-field conditions; figures marked half-space are specified over a reflecting plane, the condition subwoofers are deployed in, which adds approximately 6 dB.
2. Coverage angles are nominal -6 dB values averaged across the pass band. Per-octave directivity data is available from SSOUNDS system design support for prediction and modelling.
3. Nominal impedance is the manufacturer's rating for amplifier load calculation; minimum impedance across the operating band may be lower.
4. Net weight excludes packaging, flight case, accessories and optional rigging hardware.
5. Dimensions are stated in millimetres and exclude protruding rigging hardware, handles and connector panels unless noted.
6. All figures are typical values for production units specified under the conditions above. Individual units may vary within published tolerances.

**Directivity (isobars / balloon).** Measured directivity data (isobars, balloon and GLL/CLF for EASE) is in preparation. We publish measured polars only. Contact us for the current measurement status of this model.

## DOWNLOADS & DATA FILES

### SSOUNDS P15: User Manual

MANUAL

Loudspeaker data files for prediction software (GLL / CLF for EASE), 2D and 3D drawings and certification documents are issued on request. Contact [support@s-soundspro.com](mailto:support@s-soundspro.com) and we will send the current release for this model.

## ARCHITECTURAL & ENGINEERING SPECIFICATION

The loudspeaker shall be of the SSOUNDS P15 type, configured as a passive 2-way point source. The loudspeaker shall incorporate a low-frequency section of 2 × 15" woofers, a high-frequency section of 1 × 3" voice-coil compression driver. The loudspeaker shall be capable of meeting the following performance criteria: a maximum sound pressure level of 138 dB peak @ 1 m; nominal coverage of 90° × 60° (rotatable horn). Electrically the loudspeaker shall provide a nominal impedance of 8 Ω, a crossover at Passive. The unit shall be passive. Connection shall be by 2 × NL4 speakON (in / link). The loudspeaker shall be constructed of 15 mm birch, Polyurea, steel grille, measuring 1,090 × 445 × 505 mm, and shall weigh 47 kg / 104 lb. Rigging provision shall be M10 inserts, pole socket. The loudspeaker shall be covered by the manufacturer's two (2) year limited warranty and shall be supplied by SSOUNDS or an SSOUNDS-authorized distributor. No alternate shall be accepted without prior written approval of the consultant or specifying engineer.

## SAFETY & COMPLIANCE

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Read this section before specifying, installing or operating this product. It summarises the safety requirements set out in full in the product documentation supplied with the unit; where the two differ, the product documentation takes precedence.

### SUSPENSION & RIGGING

Overhead suspension is potentially hazardous and must be carried out only by trained and competent personnel using SSOUNDS-approved hardware, within the working load limits and array configurations published in the relevant SSOUNDS rigging documentation. Never exceed the stated number of enclosures per array or the stated splay limits. Inspect all rigging components, pins and retaining clips before every deployment and withdraw from service any component that is deformed, corroded or of unknown history. Secondary safety attachment is required where local regulation calls for it. SSOUNDS accepts no liability for systems suspended using non-approved hardware or outside published limits.

### SOUND PRESSURE LEVEL & HEARING

This equipment is capable of producing sound pressure levels that cause permanent hearing damage. Do not operate at high level in close proximity, and ensure that operators, performers and audience exposure complies with applicable occupational noise-exposure regulation. Provide hearing protection where exposure limits may be exceeded.

### ENVIRONMENT & MECHANICAL

Unless a published IP rating states otherwise, this product is intended for indoor use or for outdoor use under cover, and must be protected from rain, standing water and prolonged direct sun. Ensure ventilation openings are unobstructed. Stack, pole-mount and transport only as described in the product documentation, and secure the product against toppling wherever the public has access.

### DISPOSAL

At end of life, dispose of the product and any packaging in accordance with local regulation for electrical and electronic equipment. Do not dispose of electronic components in general waste.

## LIMITED WARRANTY: TWO (2) YEARS

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SSOUNDS products are warranted against defects in materials and workmanship for a period of two (2) years from the original date of purchase by the end user. Within that period SSOUNDS will, at its option, repair or replace the defective item with no charge for parts or labour. The item must be adequately packaged and dispatched, carriage pre-paid, to SSOUNDS or an SSOUNDS-authorised service centre, accompanied by proof of purchase and a returns reference issued in advance by SSOUNDS. Unauthorised repair, modification or removal of serial-number labelling voids this warranty.

### THIS WARRANTY DOES NOT COVER

- Cosmetic wear, finish, grille cloth, paintwork and consumable parts.
- Damage caused by misuse, abuse, accident, neglect, or operation outside the published ratings on this sheet.
- Damage caused by transport or handling after delivery, or by inadequate packaging on return.
- Damage caused by mains or generator supply faults (over-voltage, under-voltage, phase imbalance, surge or incorrect earthing) or by lightning.
- Water, dust or corrosion ingress on products not carrying a published IP rating for the conditions of use.
- Damage resulting from amplification or processing outside the recommended configuration on this sheet, or from third-party presets.
- Products not purchased from SSOUNDS or an SSOUNDS-authorised distributor.

This warranty is in addition to, and does not affect, any statutory rights the purchaser may have under applicable consumer law. It is the sole warranty offered; no other warranty, express or implied, is given.

Warranty claims and returns references: [support@s-soundspro.com](mailto:support@s-soundspro.com) · +44 20 3769 6537

LEGAL NOTICE

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All information on this data sheet is subject to change without notice. SSOUNDS reserves the right to alter specification, design and construction in the course of continuous product development.

Specifications, drawings and images are provided for guidance in system design and tender documentation. Where a figure is critical to a design, confirm it in writing with SSOUNDS before committing to a specification.

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