The Bose® FreeSpace® DS loudspeakers are a family of high-quality loudspeakers engineered to provide three distinct levels of audio performance for a wide range of background and foreground music applications. These versatile surface-mount and flush-mount loudspeakers easily integrate into sound systems — indoors and outside — with flexible mounting hardware and optional installation accessories. Complete entire projects with a single family of Bose loudspeakers that deliver consistent high-fidelity sound, installation methods and contemporary styling.

**FreeSpace DS 16S/DS 16SE and DS 16F**

These 16-watt loudspeakers deliver background music with notable presence and detail as well as clear, natural-sounding speech reproduction. They are well-suited for retail stores, restaurants, patio/outdoor dining, bars/nightclubs, houses of worship, hospitality venues, public spaces, offices, meeting rooms, hallways, entrance ways, lobbies and concourses.

**FreeSpace DS 40SE and DS 40F**

These 40-watt loudspeakers deliver background and foreground music with fullness, notable presence and detail, as well as clear, natural-sounding speech reproduction. They are well-suited for retail stores, restaurants, patio/outdoor dining, bars/nightclubs, houses of worship, hospitality venues, public spaces, offices, meeting rooms, hallways, entrance ways, lobbies and concourses.

**FreeSpace DS 100SE and DS 100F**

These 100-watt loudspeakers deliver foreground music with full bass, notable presence and detail as well as clear, natural-sounding speech reproduction. They are well-suited for bars/nightclubs, restaurants, patio/outdoor dining, retail stores, houses of worship, hospitality venues, public spaces, entrance ways, lobbies and concourses.

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### PRODUCT FEATURES

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<tr>
<th>Applications</th>
<th>DS 16S/DS 16SE</th>
<th>DS 16F</th>
<th>DS 40SE</th>
<th>DS 40F</th>
<th>DS 100SE</th>
<th>DS 100F</th>
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<tbody>
<tr>
<td>Indoor</td>
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<tr>
<td>Outdoor Weather-Rated</td>
<td>DS 16SE only; Direct exposure, IP 55 per IEC 60529 Edition 2.1 2001-02</td>
<td>N/A</td>
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<td>Flush-Mount</td>
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<td>Surface-Mount</td>
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<td>Pendant-Mount</td>
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<td>Pole-Mount</td>
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### SYSTEM PERFORMANCE

- **Frequency Response (3 dB)**
  - 90 Hz - 16 kHz
- **Sensitivity (1W @ 1m)**
  - 84 dB-SP
- **Power Handling (continuous)**
  - 16W
- **Maximum SPL (pink noise @ 1m rated power)**
  - 106 dB-SP
- **Beamwidth**
  - (460 ft) diameter, full-angle
- **Operation Modes**
  - Indoor: 80 Hz to 3 kHz
  - Outdoor Weather-Rated: 80 Hz to 4 kHz
- **Tap Settings (70/100V)**
  - 5.1 lb (2.3 kg)

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### TRANSUDERS

- **Driver Complement**
  - One 2.25" (57mm) full-range driver
- **Physical**
  - Enclosure Material: PC/ABS (white), Polypropylene (black)
  - Grillie Material: Powder-coated steel
  - Color: Black or White, Paintable
  - Connectors: Three-terrestrial barrier strip
  - Suspension Attachment: Outer flange diameter: 9.4" (239mm) Ceiling hole diameter: 10.5" (267mm) Height to top of housing: 5.7 (146mm)
  - Dimensions: L x W x H: 16.9" x 12.8" x 6.3" (425mm x 326mm x 160mm)

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### PHYSICAL

- **Enclosure Material**
  - PC/ABS (white), Polypropylene (black)
- **Grille Material**
  - Powder-coated steel
- **Color**
  - Black or White, Paintable
- **Connectors**
  - Three-terrestrial barrier strip
  - Suspension Attachment: Outer flange diameter: 9.4" (239mm) Ceiling hole diameter: 10.5" (267mm) Height to top of housing: 5.7 (146mm)
  - Dimensions: L x W x H: 16.9" x 12.8" x 6.3" (425mm x 326mm x 160mm)

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### INSTALLATION

- **Weight**
  - 4.3 lb (1.9kg) + 1.9 lb (0.8kg)
  - 8.8 lb (3.9kg) + 3.3 lb (1.5kg)
  - 11 lb (5kg) + 4 lb (1.8kg)
  - 16 lb (7.2kg) + 7 lb (3.2kg)

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*Bend angle set at 0°*
### SURFACE-MOUNT ACCESSORIES

| Description | Designed for mounting DS surface mount loudspeakers in vertical, horizontal and angled installations. Complete with 4" - 8" (101.6mm - 203mm) in diameter. Made to work with Bose® wall, flush, or surface mount bracket and thermal fuse cover. Designed to work with Bose® wall, surface, and flush-mount accessories. Additional accessories may be required for installations that require a unique, custom fit. Required to meet European regulatory specification for combination systems. Recommended for installations that can fit through existing ceiling holes.
| Color | Black or White, Paintable
| Sold As | Single, Single, Single, Single, Single, Single, Single
| Contents | (2) backplate arm screws with washers, (1) pole screw, (4) loudspeaker screws, (10) flange screws, (4) square grille, (10) flush-mount bracket kit, (1) Cosmetic cover, (1) installation guide

### FLUSH-MOUNT ACCESSORIES

| Description | Designed for mounting DS flush-mount loudspeakers in new and existing construction. Designed for mounting DS flush-mount loudspeakers in new construction and mating with Bose® junction boxes. Designed for mounting DS flush-mount loudspeakers in new construction and mating with Bose® suspension hardware. Recommended for installations that can fit through existing ceiling holes. Required to meet European regulatory specification for combination systems.
| Color | Black or White, Paintable
| Sold As | Single, Single, Single, Single, Single, Single, Single
| Contents | (2) backplate arm screws with washers, (1) pole screw, (4) loudspeaker screws, (10) flange screws, (4) square grille, (10) flush-mount bracket kit, (1) Cosmetic cover, (1) installation guide

### LOUDSPEAKER-ACCESSORY COMPATIBILITY

<table>
<thead>
<tr>
<th>LOUDSPEAKER FAMILY</th>
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<th>DS 16F</th>
<th>DS 40F</th>
<th>DS 40F</th>
<th>DS 100F</th>
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For more information about the DS loudspeaker family, please visit: pro.Bose.com