

# Veritas 1100BH

smart mixer amplifier



## Product Overview

The award-winning Veritas series from Bose Professional delivers superior background/foreground music, paging and multimedia for commercial applications. *Bluetooth*® 5.0 wireless input and user-intuitive OLED screen with quick-start QR code simplify setup—whether you're a pro installer or a DIYer. With four models to choose from, Veritas amplifiers offer the perfect combination of power, performance and flexibility.

Compact and powerful, the 1100BH is suited for smaller distributed audio systems, background music, and paging applications. Designed for 70V/100V high-impedance systems, it efficiently powers multiple wall or ceiling loudspeakers to deliver broad coverage. Perfect for smaller venues, offices, and retail spaces, the 1100BH features a smaller half-rack size and front XLR/¼-inch input for convenient mic or audio source connection.

## Key Features

- Premium amplification** with advanced DSP for optimized performance
- Bluetooth connectivity** and RCA connectivity—no wire splicing required
- Intuitive front-panel OLED screen** for easy setup and control
- Included bracket accessory** for mount-anywhere flexibility
- Embedded quick-start QR code** in the OLED screen simplifies installation
- Supports high-impedance** (70/100V) applications
- Remote level control** with Bose Professional or third-party wall controllers
- Dynamic EQ** adjusts bass levels to achieve a fuller sound even at low volumes
- Up to 30 selectable EQ presets** ensure Bose Professional signature sound performance and long-term reliability
- Opti-Voice** paging feature ensures clear speech intelligibility
- Convection cooling** for fanless operation in quiet installs such as offices and conference rooms

## Applications

- Retail stores
- Restaurants and bars
- Hospitality venues
- Conference centers
- Schools
- Auxiliary zones

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## Technical Specifications

| POWER RATING          |                                                                                                                                                    |                       |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Amplifier Power       | 1 × 100 W at 70V/100V                                                                                                                              |                       |
| AUDIO PERFORMANCE     |                                                                                                                                                    |                       |
| Frequency Response    | 70 Hz – 18 kHz (+0/-4 dB, @ 1 W reference 1 kHz)                                                                                                   |                       |
| THD+N                 | ≤0.3 % (at full rated power)                                                                                                                       |                       |
| Dynamic Range         | 88 dB                                                                                                                                              |                       |
| INTEGRATED DSP        |                                                                                                                                                    |                       |
| A/D & D/A Converters  | 24-bit, 48 kHz                                                                                                                                     |                       |
| Processing Functions  | Volume, tone controls, Opti-Voice paging, loudspeaker EQ, Dynamic EQ                                                                               |                       |
| Loudspeaker Presets   | 70 Hz high-pass filter, 80 Hz high-pass filter, AMU105, AMU108, DesignMax (all models), EdgeMax (all models), FreeSpace FS (all models), subwoofer |                       |
| Audio Latency         | 10.4 ms (any input to speaker output or aux output)                                                                                                |                       |
| AUDIO INPUTS          | Line Inputs                                                                                                                                        | Page Inputs           |
| Input Channels        | (2) unbalanced line, (1) balanced mic/line                                                                                                         | (1) balanced mic/line |
| Connectors            | (2) RCA stereo pairs, (1) XLR/¼-in                                                                                                                 | (1) 4-pin Euroblock   |
| Input Range           | -10 dBV to +10 dBV                                                                                                                                 | -60 dBV to +10 dBV    |
| Adjustment Range      | -20 dB to +20 dB                                                                                                                                   | 0 dB to +50 dB        |
| Input Impedance       | 20 kΩ                                                                                                                                              | 2.4 kΩ                |
| Maximum Input Level   | +10 dBV                                                                                                                                            | +10 dBV               |
| Sensitivity           | -10 dBV                                                                                                                                            | -58 dBV               |
| Nominal Input Level   | 0 dBV                                                                                                                                              | -40 dBV               |
| AUDIO OUTPUTS         | Loudspeaker Outputs                                                                                                                                | Auxiliary Outputs     |
| Output Channels       | (1) loudspeaker                                                                                                                                    | (1) unbalanced line   |
| Connectors            | (1) 3-pin inverted Euroblock                                                                                                                       | (1) RCA stereo pair   |
| Output Impedance      | n/a                                                                                                                                                | 400 Ω                 |
| Nominal Output Level  | 1 × 100 W at 70V/100 V                                                                                                                             | 0 dBV (max)           |
| INDICATORS & CONTROLS |                                                                                                                                                    |                       |
| Power LED             | Solid blue (powered on)                                                                                                                            |                       |
| Input Clip LED        | Green (-34 dBu to +10 dBu), red (> +10 dBu). Input gain level set to 5.                                                                            |                       |
| Bluetooth LED         | Off (no Bluetooth device connected), blinking blue (ready to pair to a Bluetooth device), solid blue (connected to a Bluetooth device)             |                       |
| Display               | OLED, 16-bit grayscale, 96 × 96 resolution                                                                                                         |                       |
| Controls, Front Panel | Power on/off switch, input select switch (A/Bluetooth/B), input gain knob (XLR/¼-in), rotary encoder                                               |                       |
| Controls, Rear Panel  | Input gain knobs (A, B, page), mute connector, ControlCenter port                                                                                  |                       |

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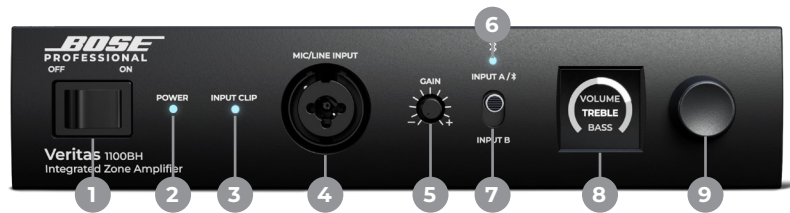
smart mixer amplifier

| ELECTRICAL                                  |                                                                                                                                                                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mains Voltage                               | 100 VAC – 240 VAC (±10%, 50/60 Hz)                                                                                                                                                                                      |
| AC Power Consumption                        | 15 W idle, 200 W maximum                                                                                                                                                                                                |
| Mains Connector                             | Standard IEC (C14)                                                                                                                                                                                                      |
| Overload Protection                         | High temperature, output short                                                                                                                                                                                          |
| PHYSICAL                                    |                                                                                                                                                                                                                         |
| Cooling System                              | Natural convection                                                                                                                                                                                                      |
| Product Dimensions (height × width × depth) | 44 mm × 214 mm × 310 mm (1.7 in × 8.4 in × 12.2 in)                                                                                                                                                                     |
| Net Weight                                  | 3.2 kg (7.1 lb)                                                                                                                                                                                                         |
| Shipping Weight                             | 4.1 kg (9.1 lb)                                                                                                                                                                                                         |
| Package Contents                            | (1) Veritas 1100BH, (2) mounting brackets, (6) screws, (4) mounting feet with pins, (1) 4-pin Euroblock connector, (1) 3-pin Euroblock connector, (1) 2-pin Euroblock connector, (1) power cord, (1) installation guide |
| Optional Accessories                        | Rack mounting kit, ControlCenter CC-1, ControlCenter CC-2                                                                                                                                                               |
| PRODUCT CODES                               |                                                                                                                                                                                                                         |
| Veritas 1100BH, 120 V, US                   | 892237-1110 VERITAS 1100BH 120V US                                                                                                                                                                                      |
| Veritas 1100BH, 230 V, EU                   | 892237-2110 VERITAS 1100BH 230V EU                                                                                                                                                                                      |
| Veritas 1100BH, 230 V, UK                   | 892237-4110 VERITAS 1100BH 230V UK                                                                                                                                                                                      |
| Veritas 1100BH, 100 V, JP                   | 892237-3140 VERITAS 1100BH 100V JP                                                                                                                                                                                      |
| Veritas 1100BH, 230 V, CN                   | 892237-2140 VERITAS 1100BH 230V CN                                                                                                                                                                                      |
| Veritas 1100BH, 240 V, AU                   | 892237-5110 VERITAS 1100BH 240V AU                                                                                                                                                                                      |
| Rack mounting kit                           | 892122-0100 VERITAS AMP RACK MOUNT KIT BLACK                                                                                                                                                                            |
| ControlCenter CC-1, US, black               | 768932-0110 CONTROLCENTER CC-1 US BLACK                                                                                                                                                                                 |
| ControlCenter CC-1, US, white               | 768932-0210 CONTROLCENTER CC-1 US WHITE                                                                                                                                                                                 |
| ControlCenter CC-1, EU, black               | 768932-2110 CONTROLCENTER CC-1 EU BLACK                                                                                                                                                                                 |
| ControlCenter CC-1, EU, white               | 768932-2210 CONTROLCENTER CC-1 EU WHITE                                                                                                                                                                                 |
| ControlCenter CC-1, JP, black               | 768932-3110 CONTROLCENTER CC-1 JP BLACK                                                                                                                                                                                 |
| ControlCenter CC-1, JP, white               | 768932-3210 CONTROLCENTER CC-1 JP WHITE                                                                                                                                                                                 |
| ControlCenter CC-2, US, black               | 768938-0110 CONTROLCENTER CC-2 US BLACK                                                                                                                                                                                 |
| ControlCenter CC-2, US, white               | 768938-0210 CONTROLCENTER CC-2 US WHITE                                                                                                                                                                                 |
| ControlCenter CC-2, EU, black               | 768938-2110 CONTROLCENTER CC-2 EU BLACK                                                                                                                                                                                 |
| ControlCenter CC-2, EU, white               | 768938-2210 CONTROLCENTER CC-2 EU WHITE                                                                                                                                                                                 |
| ControlCenter CC-2, JP, black               | 768938-3110 CONTROLCENTER CC-2 JP BLACK                                                                                                                                                                                 |
| ControlCenter CC-2, JP, white               | 768938-3210 CONTROLCENTER CC-2 JP WHITE                                                                                                                                                                                 |

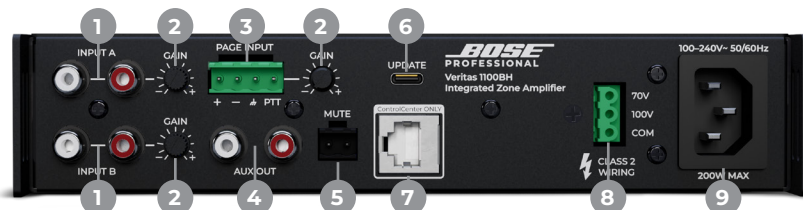
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## Hardware Details



1. **Power switch:** Turns amplifier on or off.
2. **Power LED:** Illuminates blue when amplifier is on.
3. **Input/clip LED:** Illuminates red whenever input source approaches the threshold value of +10 dBu. If the indicator illuminates frequently, reduce input signal level.
4. **Mic/line input:** XLR/¼-inch TRS combo jack for connecting a dynamic microphone.
5. **Gain knob:** Allows for fine-tuning of the mic/line input level. If the input/clip indicator is red, reduce the input gain. The adjustment range is 0 dB to +50 dB.
6. **Bluetooth LED:** LED is off when no device is connected to *Bluetooth* technology. LED blinks blue when ready to pair with a *Bluetooth*-enabled device. LED is solid blue when a *Bluetooth* enabled device is connected.
7. **Input selection switch:** Allows you to choose between rear line inputs A/*Bluetooth* and B from the front panel of the amplifier.
8. **Display:** 16-bit grayscale OLED display, 96 × 96 resolution.
9. **Rotary encoder:** Controls the menu interface as well as adjusts volume, bass, and treble levels.



1. **Line input:** Unbalanced line-level input connectors (processed as stereo signals).
2. **Gain knob:** Allows for -20 dB to +20 dB of adjustment to each Input A/B. Allows for 0 dB to +50 dB of gain control of page input signal.
3. **Page input:** Euroblock mic/line input that supports dynamic microphones with a trigger contact closure for use with push-to-talk (PTT) microphones.
4. **Aux output:** Variable or fixed, unbalanced line-level output signal for routing the signal to additional audio equipment.
5. **Mute connector:** Contact closure connection that upon trigger will mute all outputs (including aux output).
6. **Update port:** USB-C port for software updates.
7. **ControlCenter port:** Input connector for either a CC-2 zone controller for volume control and A/B source selection or a CC-1 zone controller for volume control only.
8. **Loudspeaker output:** Inverted 3-pin Euroblock connectors for 70V/100V loudspeaker connections.
9. **Power input:** Standard IEC power cord receptacle.

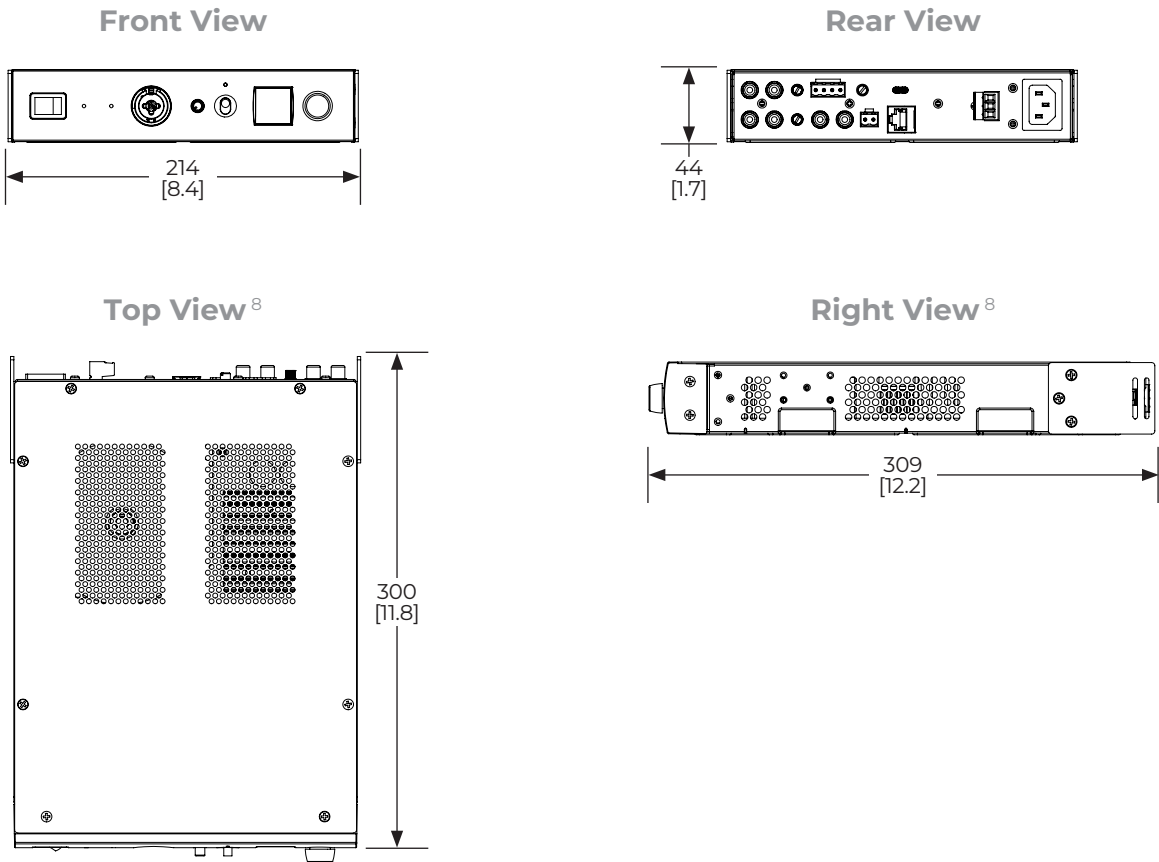
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## AC Current Draw & Thermal Dissipation

|         | Test signal & power level <sup>6</sup> | Load configuration | Total audio output (W) | Current Draw (A) | Thermal dissipation, maximum |         |          |
|---------|----------------------------------------|--------------------|------------------------|------------------|------------------------------|---------|----------|
|         |                                        |                    |                        |                  | (W)                          | (BTU/h) | (kcal/h) |
| 120 VAC | Power on, idle                         | —                  | 0                      | 0.21             | 25                           | 85      | 21       |
|         | 1/8 rated power                        | 70 V               | 13                     | 0.54             | 51                           | 174     | 44       |
|         | 1/3 rated power                        | 70 V               | 33                     | 0.93             | 79                           | 270     | 68       |
|         | 1/8 rated power                        | 100 V              | 13                     | 0.52             | 49                           | 167     | 42       |
|         | 1/3 rated power                        | 100 V              | 33                     | 0.94             | 79                           | 270     | 68       |
| 230 VAC | Power on, idle                         | —                  | 0                      | 0.19             | 43                           | 147     | 37       |
|         | 1/8 rated power                        | 70 V               | 13                     | 0.34             | 64                           | 219     | 55       |
|         | 1/3 rated power                        | 70 V               | 33                     | 0.58             | 101                          | 345     | 87       |
|         | 1/8 rated power                        | 100 V              | 13                     | 0.35             | 67                           | 229     | 58       |
|         | 1/3 rated power                        | 100 V              | 33                     | 0.58             | 99                           | 338     | 85       |

## Dimensions<sup>7</sup>



6. IEC 268 band-limited pink noise, 6 dB crest factor, with 70 Hz high-pass filter amplifier EQ preset.  
7. Dimensions are shown in millimeters over inches.  
8. Dimensions also apply to opposite side.

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For additional specifications and application information, visit [BoseProfessional.com](https://BoseProfessional.com). Specifications are subject to change. 05/2025