



ControlSpace[®] ESP-4120
engineered sound processor

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BOSE

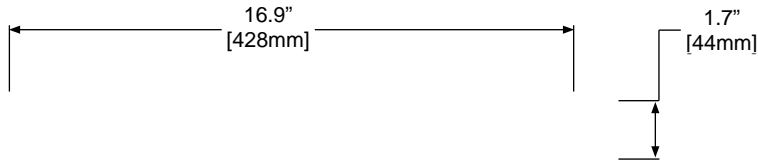


TECHNICAL DATA SHEET

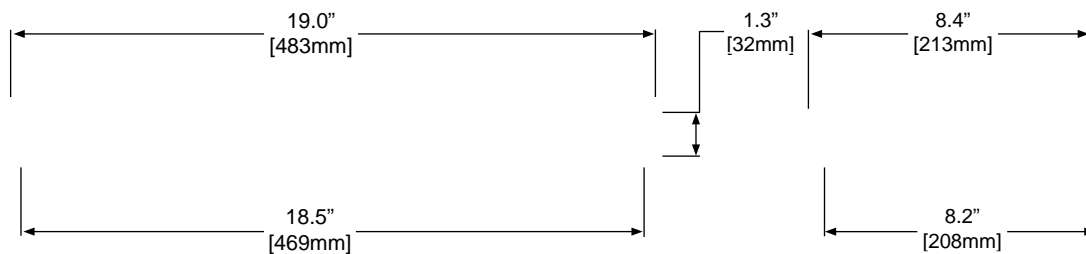
1. **LED indicators** - Power, Signal, Ethernet and Serial indication
2. **Ethernet connector** - RJ-45 jack for front panel network connectivity
3. **Front rack-mount ears** - For use when securing into rack enclosures

1. **Analog audio connectors** - Two line-level balanced input and line-level output connectors
2. **ESPLink output connector** - For use with ESPLink card-equipped Power Match® amplifiers
3. **Chassis serial number** - Location for unit serial number
4. **RS-232** - 5-wire, RS-232-C (DTE) serial data interface connection
5. **Digital expansion slot** - Supports optional digital expansion cards
6. **AC Mains receptacle** - Power cord connection (IEC 60320-C14 inlet)
7. **CC-16 connector** - Allows Bose® CC-16 zone controller connections
8. **Control Outputs connector** - Five general-purpose control outputs
9. **Control Inputs connector** - Five general-purpose control inputs

Mechanical Diagrams



Back View



Front View

Right View



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and 10k potentiometers, and third-party control systems (using a published serial protocol). It shall also be possible to flag signal processing modules in the design file for which asynchronous serial communication feedback can be requested by external control system devices. The processor shall provide a real-time clock (RTC) by which automated events can be scheduled using the configuration software.

The processor shall be constructed of painted steel with a black durable chassis finish and brushed aluminum front panel. The processor shall allow for 1 1/2-inch (483 mm) EIA-310 standard rack mounting using the pre-installed rack ears. The processor dimensions shall be 1 1/2 inches in height (44 mm, 1R) and 8.5 inches (215 mm) in depth. The processor shall weigh 5.8 pounds (2.6 kg).

The processor shall have a universal auto switching power supply capable of accepting input voltages from 85 nAC to 264 nAC, 50 Hz to 60 Hz, and be able to operate in ambient temperatures up to 104 F (40 C). Power consumption shall be less than 25 W.

Certifications shall include c UL, C-Tick, PSE and IEC EN 60065, and have a CB report including all country deviations. The processor shall meet FCC Class A, Canadian ICES-003 Class A and EN55103-1 and EN55103-2 EMI requirements.

The engineered sound processor shall be the Bose ControlSpace ESP-4120 engineered sound processor.

Safety and Regulatory Compliance

The ControlSpace ESP-4120 engineered sound processor meets c UL (UL 60065 3rd edition), C-Tick, PSE and IEC EN 60065 3rd edition, and has a CB report including all country deviations. It meets FCC Class A, Canadian ICES-003 Class A and EN55103-1 and EN55103-2 EMI requirements.

Product Codes

ESP-4120

| | | |
|----------------------------|----|-------------|
| ControlSpace ESP-4120 120n | S | 35 8 0-1110 |
| ControlSpace ESP-4120 230n | E | 35 8 0-2110 |
| ControlSpace ESP-4120 100n | PN | 35 8 0-3110 |
| ControlSpace ESP-4120 230n | | 35 8 0-4110 |
| Sing | | |
| ControlSpace ESP-1240 240n | A | 35 8 0-5110 |

Accessories

| | |
|-----------------------------------------------|-------------|
| ControlSpace CC-64 control center | 041 60 |
| ControlSpace CC-16 zone controller | 041 61 |
| ControlSpace CC-4 room controller | 042023 |
| ControlSpace® CC-PS1 universal power supply | 3 140 -0010 |
| nolume control with A/B switch user interface | 041 66 |
| nolume control user interface | 041 66 |