

## BIJOU SERIES 3100

ACP-BIJOU-3100

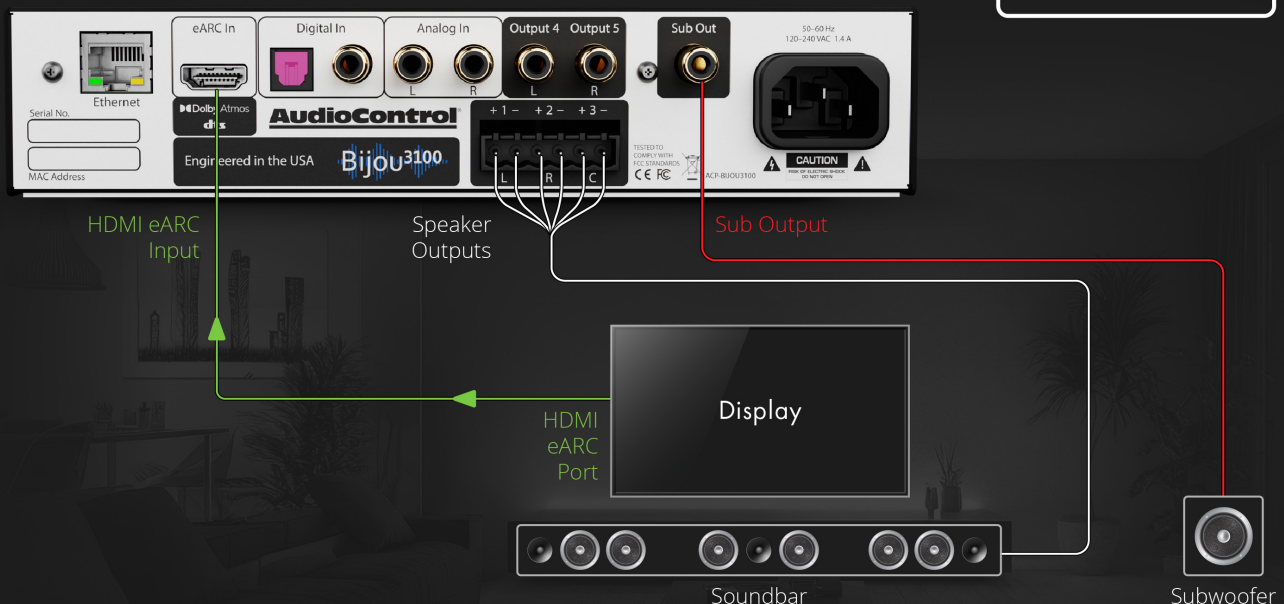


### MAKING GOOD SOUND GREAT

Bijou 3100 is a compact, 3.1-channel high-power integrated amplifier for professional installations, delivering 100W per channel at 8 ohms. Featuring eARC decoding and GaN technology, it ensures highest-quality audio, supporting Dolby Atmos and DTS. Versatile connectivity options and IP control let installers deliver exceptional AV experiences in residential and light commercial settings.

The Bijou 3100 ups the channel ante to perfectly complement high-end, power-hungry passive soundbars. Left, Center, and Right game-changing GaN-fueled channels each punch well above their weight class, delivering 100 uncompressed pristine watts or more to launch the latest box office action soundtrack directly through to the living room's back wall. A line-level subwoofer output enhances TV viewing, while the automaton-friendly and web-configurable Bijou 3100 integrates seamlessly into any popular automation ecosystem.

### Bijou 3100 Connection Diagram



VESA MOUNTS ARE NOW AVAILABLE FOR ALL BIJOU AMPLIFIERS!

## SPECS

| INPUTS                                                      |                                               |
|-------------------------------------------------------------|-----------------------------------------------|
| eARC Inputs                                                 | 1 HDMI Audio-Only Input                       |
| Digital Inputs                                              | 1 Optical TOSLINK<br>1 Coax S/PDIF            |
| Analog Inputs                                               | Stereo L/R RCA single-ended                   |
| Analog Input Impedance                                      | 47 kOhms                                      |
| Analog Input Sensitivity                                    | 2 Vrms                                        |
| OUTPUTS                                                     |                                               |
| Preamp Outputs                                              | 2 RCA single-ended                            |
| Sub Output                                                  | 1 RCA single-ended                            |
| Speaker Level Outputs                                       | 3 outputs<br>6-pin Euroblock connector        |
| Power Output                                                | 100 W into 8 $\Omega$ , 200 W into 4 $\Omega$ |
| AUDIO                                                       |                                               |
| Minimum Speaker Load                                        | 4 ohms                                        |
| Frequency Range                                             | 20 Hz to 20 kHz                               |
| Total Harmonic Distortion                                   | 0.15%                                         |
| DAC                                                         | 48kHz/24-bit                                  |
| POWER                                                       |                                               |
| Input Voltage                                               | 110 VAC to 240 VAC                            |
| Power Consumption                                           |                                               |
| Standby                                                     | 3 W                                           |
| Typical loud listening ( $\frac{1}{8}$ <sup>th</sup> power) | 125 W                                         |
| Maximum                                                     | 700 W                                         |
| BTU/hr                                                      |                                               |
| Standby                                                     | 10 BTU/hr                                     |
| Typical loud listening ( $\frac{1}{8}$ <sup>th</sup> power) | 340 BTU/hr                                    |
| Maximum                                                     | 2046 BTU/hr                                   |
| DIMENSIONS                                                  |                                               |
| Height                                                      | 1.7 in (43.9 mm)                              |
| Width                                                       | 8.3 in (211.3 mm)                             |
| Depth                                                       | 11.9 in (302.2 mm)                            |
| Weight                                                      | 6 lbs (2.7 kg)                                |
| Rack Space                                                  | 0.5 RU                                        |

## FEATURES

- HDMI eARC input transfers uncompressed high-bandwidth source audio, including Dolby Atmos, Dolby TrueHD, DTS, and DTS-HD Master Audio.
- GaN-based high-power, hyper-performance, Class-D amplifier design
- 100 watts RMS into 8 ohms, 200 watts into 4 ohms, all channels driven
- Analog and Digital Inputs; Analog Stereo Preamp and Subwoofer outputs
- IP and IR-Controllable for seamless third-party automation compatibility
- VESA Mount available
- **Next-generation GaN Semiconductor Amplification Technology:** The Bijou 3100 Class-D GaN amplification runs cool to the touch, enabling installation otherwise limited by traditional amplifier designs. GaN-based amplifier topologies achieve power conversion efficiencies in the 95% to 99% range, allowing higher output power in a more compact chassis size.
- **Compact Size:** GaN implementation requires less circuit board real estate and no ancillary device components to govern thermal convection, resulting in cool-running smaller chassis dimensions with more placement options.
- **HDMI eARC Input:** Video soundtracks from connected devices or internal streaming services feature immersive codecs like Dolby Atmos, or DTS surround audio. A unique eARC implementation for the Bijou Series enables GUI-assignable downmixing at the RCA outputs, enabling wireless headphone interfaces or Bluetooth adapters to provide private playback options. At the same time, original surround decoding continues at the powered speaker and subwoofer outputs.
- **Web Configurable and IP-, IR-Controllable:** AudioControl provides a programmer-friendly API to integrate the Bijou 3100 into any popular automation ecosystem. Setup configuration is intuitive and fast via the web interface. An included remote enables stand-alone IR control.

# AudioControl®

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