AudioControl®

BIJOU SERIES
2100
ACP-BIJOU-2100



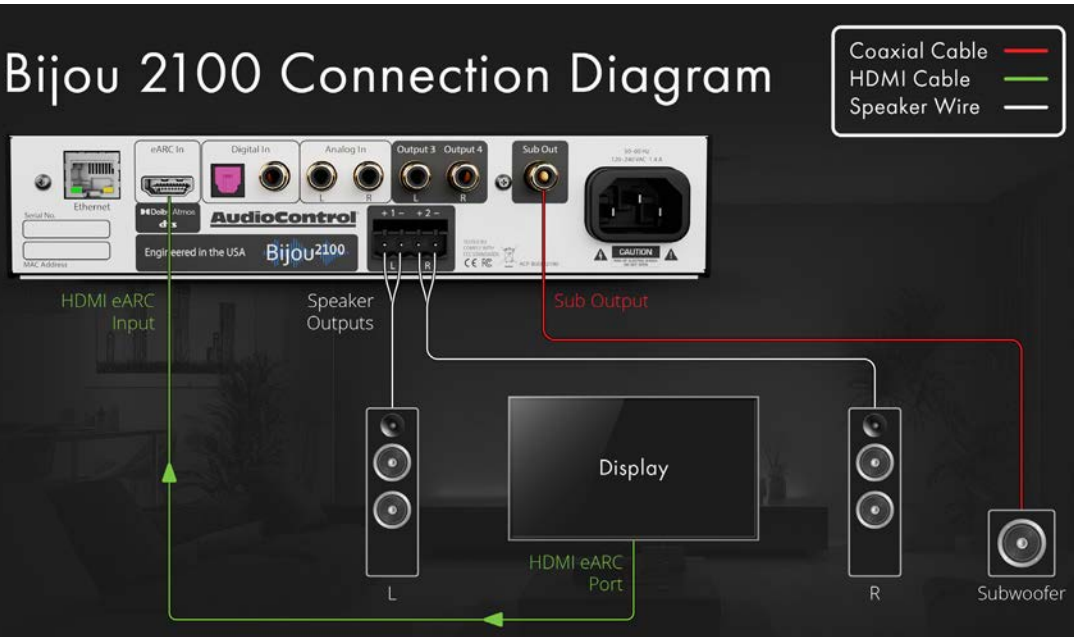
MAKING GOOD SOUND GREAT

AudioControl's Bijou 2100 stereo-integrated amplifier presents new approaches to localized A/V scenarios. Incorporating advantages gained by using energy-efficient GaN semiconductor technology, clever internal parts layout that facilitates cool-running thermal convection, an RCA single-ended subwoofer output, plus video interface features including an HDMI eARC input for immersive codec audio playback of video content, the Bijou 2100 offers endless application opportunities. A signal-sensing TOSLINK/Coaxial digital input is complemented by an analog stereo RCA single-ended input and corresponding Preamp analog output. A 4-pin Euroblock connector provides loudspeaker connectivity.

The Bijou 2100 can elegantly function as a three-source, two-channel, standalone integrated stereo amplifier with line-level subwoofer output. It is an ideal centerpiece for a small, audio-centric music system with eARC available for occasional video soundtrack playback. The RCA single-ended outputs are GUI-configurable and can be assigned to playback downmixed eARC audio while the powered outputs continue reproducing the original surround format. This is perfect for private listening through a wireless headphone interface, a Bluetooth adapter, or house-wide distribution when connected to an additional multi-zone amplifier.

The superb onboard DAC is perfect for decoding digital sources, such as streaming music players. Analog sources, like a newly acquired turntable equipped with an internal phono preamp, shine as well. Audio fidelity produced by the Bijou 2100's GaN-based amplifier stage rivals that of integrated amplifiers priced substantially higher. Its cool-to-the-touch compact footprint enables the Bijou 2100 to be concealed behind flat-panel video displays when operation in stealth mode is desired.

Bijou 2100 Connection Diagram



VESA MOUNTS ARE NOW AVAILABLE FOR ALL BIJOU AMPLIFIERS!

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SPECS

INPUTS	
eARC Inputs	1 HDMI Audio-Only Input
Digital Inputs	1 Optical TOSLINK 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	2 outputs 4-pin Euroblock connector
Power Output	100 W into 8 ohms 200 W into 4 ohms
AUDIO	
Minimum Speaker Load	4 ohms
Frequency Range	20 Hz to 20 kHz
Total Harmonic Distortion	0.15%
DAC	48 kHz/24-bit
POWER	
Input Voltage	110 - 240 VAC
Power Consumption	
Standby	3 W
Typical loud listening (⅛th power)	125 W
Maximum	700 W
BTU/hr	
Standby	10 BTU/hr
Typical loud listening (⅛th power)	340 BTU/hr
Maximum	2046 BTU/hr
DIMENSIONS	
Height	1.7 in (43.9 mm)
Width	8.3 in (211.3 mm)
Depth	11.5 in (292.75 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, both 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:** Bijou 2100's 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 through higher frequency fast switching speeds and lower on-resistance, which reduces conduction loss and lowers thermal temperatures, allowing for higher output power.
- **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. Before HDMI 2.1b, playback of these dynamic audio formats was often riddled with discerning lip sync issues as the display was last to receive the signal. eARC simplifies this process with a single HDMI cable. Automatic lip sync is mandatory for all eARC-equipped devices. It uses a dedicated audio channel via the HDMI cable for discovery, control functions, and precise audio and video alignment. 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.
- **Web Configurable and IP-, IR-Controllable:** AudioControl provides a programmer-friendly API to integrate the Bijou 2100 into any popular automation ecosystem. Setup configuration is intuitive and fast via the web interface. An included remote enables stand-alone IR control.

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