AudioControl®

BIJOU SERIES 5100D

ACP-BIJOU-5100D

Dante® SPOKEN HERE

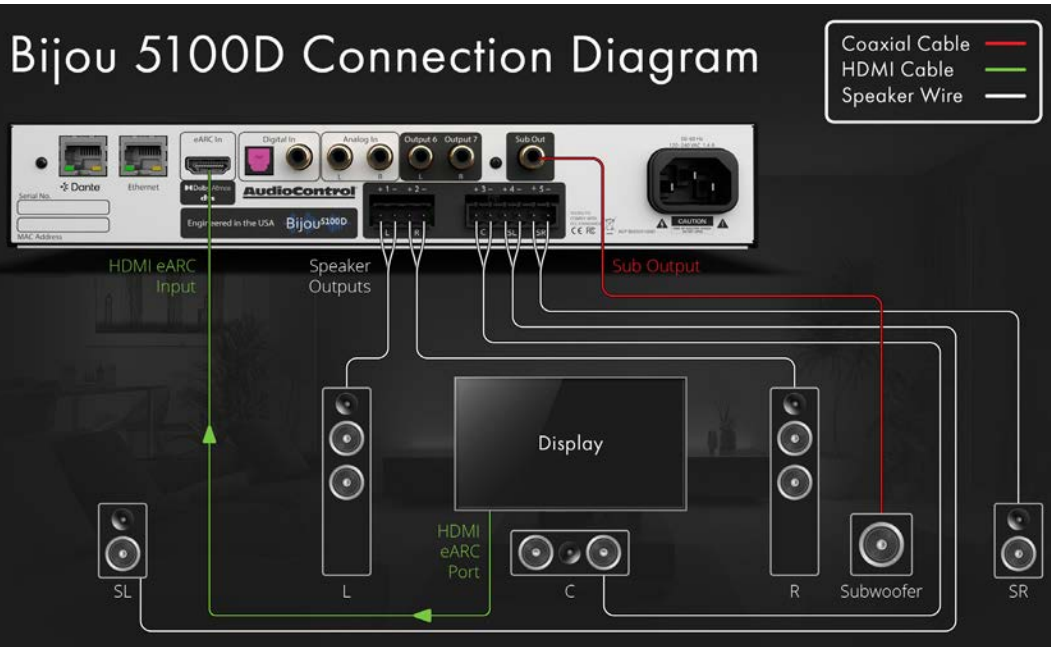


MAKING GOOD SOUND GREAT

The Bijou 5100D leads the Bijou Series range and features Dante audio support as its cherry on top. Five GaN semiconductor channels turbocharge the 5100D into a mini home theater powerhouse. All Bijou Series models decode Dolby Atmos and DTS 5.1 surround modes through the HDMI eARC input, with the 5100D having onboard power for surround channels. Dante audio creates a fourth input, fetching any audio source from a Dante network, providing the Bijou 5100D with uncompressed, near-zero latency multi-room capabilities. Unlike traditional AVRs, the Bijou 5100D can be discretely installed behind large flat-panel displays.

The Bijou 5100D is comfortable as a light-duty, powered five-channel home theater surround controller in a local, stand-alone four-source system comprising, for example, an eARC-capable video display, an analog onboard phono preamp-equipped turntable, a digital source such as a streaming music player, and streamed sources available from a connected Dante network. Digital conversion is accomplished by a high-quality internal 384 kHz/ 32-bit DAC with a 106 dB signal-to-noise ratio and a remarkable Total Harmonic Distortion + Noise (THD+N) rating of 0.0025%. Add main and surround loudspeakers, a center channel, and a powered subwoofer connected to the line-level Sub Out for an easy-to-operate, ultra-dynamic music or powerful home theater audio playback system. 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 even multizone house-wide distribution. The eARC stereo downmix can also be simultaneously encoded and assigned as a Dante output for transmission to any Dante decoder on the network.

Bijou 5100D Connection Diagram



VESA MOUNTS ARE NOW AVAILABLE FOR ALL BIJOU AMPLIFIERS!

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SPECS

INPUTS	
eARC Inputs	1 Audio-Only HDMI Input
Digital Inputs	1 Optical TOSLINK 1 Coax S/PDIF
Dante Network	RJ45
Analog Inputs	Stereo L/R RCA unbalanced
Analog Input Impedance	47 kOhms
Analog Input Sensitivity	2 Vrms
Dante Inputs	1 RJ45 Two-channel
OUTPUTS	
Preamp Outputs	2 RCA single-ended
Sub Output	1 RCA single-ended
Speaker Level Outputs	5 outputs, 1 x 6-pin, 1 x 4-pin Euroblock connectors
Power Output	65 W into 8 ohms 130 W into 4 ohms
Dante Outputs	1 x Two-channel
AUDIO	
Minimum Speaker Load	4 ohms
Frequency Range	20Hz - 20kHz
Total Harmonic Distortion	0.15%
DAC	48kHz/24-bit
POWER	
Input Voltage	110 - 240 VAC
Power Consumption	
Standby	3 W
Typical loud listening (⅛th power)	150 W
Maximum	1000 W
BTU/hr	
Standby	10 BTU/hr
Typical loud listening (⅛th power)	425 BTU/hr
Maximum	2800 BTU/hr
DIMENSIONS	
Height	1.7 in (43.9 mm)
Width	10.3 in (261.6 mm)
Depth	11.5 in (292.75 mm)
Weight	7.4 lbs (3.35 kg)
Rack Space	1 RU

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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
- 65 watts RMS into 8 ohms, 130 watts into 4 ohms, all channels driven
- Dante audio networking support
- Analog and Digital Inputs; Analog Stereo Preamp and Subwoofer outputs
- IP and IR-Controllable for seamless third-party automation compatibility
- VESA Mounts available
- **Next-generation GaN Semiconductor Amplification Technology:** Bijou 5100D'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, allowing higher output power in a more compact chassis size.
- **Dante Audio Networking:** Dante audio support enables input/output interfacing with Dante-enabled devices such as AudioControl Director M Series Models M6800D, M4800D, and CM series 70-Volt Amplifiers. These devices share uncompressed audio sources up to 328 ft (100 m) away with near-zero latency. Optional fiber optic solutions offer longer-distance solutions into the kilometers.
- **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. The 5100D can also be configured to encode the audio downmix into Dante for availability to all decoding devices on the same Dante Network.
- **Web Configurable and IP-, IR-Controllable:** AudioControl provides a programmer-friendly API to easily integrate the Bijou 5100D into any popular automation ecosystem. Setup configuration is intuitive and fast via the web interface. An included remote enables stand-alone IR control.