

ASTRO FX AUDIO

AstroFXAudio Basic 5.1 Surround Sound Systems

bowentechnovation.com/systems/immersive/astrofxaudio/

Each AstroFXAudio system is uniquely engineered for your specific dome size, tilt, seating configuration, and room acoustics and includes the latest *professional* high-efficiency technology products. Our customers tell us AstroFXAudio systems are an unsurpassed choice for ease of use, sonic quality, reliability, low energy consumption, and flexibility.

The Parts

AstroFXAudio Basic 5.1 surround sound systems interface with any All-dome projection system and provide a professional feature package. The systems typically include:

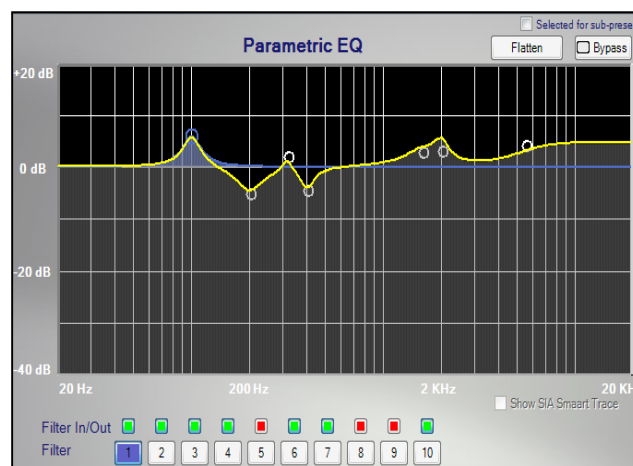
- Analog 5.1 audio from All-dome systems.
- Professional grade amplifiers..not home theater type product!
- Five profession full-range speakers.
- One or more high-power subwoofer(s).
- A rack-mount Bluray/DVD/CD/MP3 player.
- A wired mic at the console.
- A 10-input mixer.
- Power conditioning and surge suppression is included for all equipment.



Processing

All our systems feature our programmable AstroFXAudio digital audio processing systems (DSP) which route the system sources to the proper 5.1 output channels. Our audio engineers use the DSP to perfectly tune and balance audio levels and to equalize the speakers to your room acoustics... with the capability to store and recall unique “preset” system settings for different show types.

Amps and Speakers. No “music store” or “home theater” grade equipment is used in these systems. Professional grade digital amplifiers power L-R-Ls-Rs-C two-way speakers plus a subwoofer. The exact size and power of



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these speakers is designed based on your theater size and seating layout.

AstroFXAudio Basic systems accept 5.1 analog audio from your digital or optical astronomy projection system and stereo analog audio from the operator's console mixer. This means a total of 16 audio inputs are available.

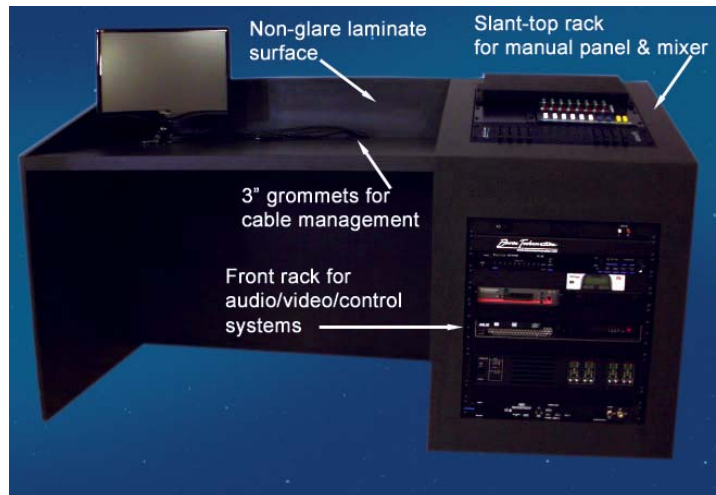
An input is provided at the console rack for iPod, computer, or other stereo audio input.

Console and Racks

A console audio rack system with a slant-top mixer rack and straight under desk front rack for Blu-ray/DVD/CD/MP3 player and auxiliary devices is included and can be upgraded to one of our tidy new custom consoles (see pic at the right), which we have designed specifically for domed immersive theaters. Various sizes and shapes are available to fit your exact needs.

Installation and Calibration

All BT staff are manufacturer certified and experienced in top-quality system installations. Several of our staff have audio engineering and telecommunications degrees.



All systems are tuned and balanced with calibrated pink noise to deliver minimum 85-96dB continuous to the audience plus additional headroom.

Options and Expansion

Popular options include wireless handheld, headset and lavalier mics, a stage mic jack plate at the front of the theater with two mic jacks, a frequency selective multichannel assistive listening system (ALS) for multi-lingual presentations, a 5.1 decoder for DTV, Blu-Ray, and DVD surround soundtracks.

The optional AstroFXAurora lighting controller and AstroFXCommander systems enable direct control of preset mix changes from All-dome control panels, scripts, and iPad GIU. See the datasheets for these products for more information

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