

ASTRAL 16

Product Data Sheet

Astral 16 is a high-end audio-video processor and amplifier offering a unique Home Theatre experience. Equipped with 16 channels, 12 of which are amplified, it has 4 DSPs dedicated entirely to audio (filtering, equalisation, bass management, etc.). Managing all 3D audio flows (Dolby Atmos®, DTS:X™...), and with unlimited channel configuration (bi-amplification, etc.), Astral 16 will truly enhance the connected audio system.



3D Audio and Video compatible as well as HD Audio
An uncompromising listening experience



3D audio upmixing of 2D multichannel audio formats
Experience your favourite films in 3D audio

7 HDMI inputs + 2 HDMI 4K UHD outputs, HDCP 2.2, including one eARC compatible
Compatible with the latest audio-video standards



16 audio channels / 12 x 200W under 8Ω + 4 balanced XLR outputs
Fully configurable channels (mono-amplification, bi-amplification, active loudspeaker management)

3 power supplies, 1 per group of 4 amplification channels:
Power always available across all channels

Key points

- Dedicated iOS application - simple and intuitive control
- Unlimited number of settings
- System calibration by Dirac Live® (built-in license) - analysis and active correction of the room's acoustics and the multichannel system
- Rack mounting kit supplied - flexible installation

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|---|--|--|
| Type | 16 channel audio-video processor and amplifier | |
| Main features | Compatible formats | Dolby Atmos® / DTS:X™ / Auro-3D® |
| | Room Calibration | Powered by Dirac Live® : target curve editable from 20Hz to 20kHz for all channels (including subwoofers), phase correction full bandwidth 20Hz-20kHz on all channels (including subwoofers) |
| | "Remote Monitoring" fonction | |
| Multichannel / Surround Processing | Output channels Decoding / upmixing channels Input sampling rate supported Stereo downmix Bass management Multi-subwoofer channels Multi-way crossover 20 Parametric EQ per channel | 16 up to 16 channels up to 192kHz fully flexible Unlimited (6-12-18-24-36-48dB/oct filter slopes) |
| HDMI | HDMI inputs HDMI outputs (mirror) Supported video format High Dynamic Range Color Space and Subsampling Deep Color Max resolution supported HDMI | 7: HDMI 2.0 / HDCP 2.2 1: HDMI 2.0 / HDCP 2.2 (with eARC) 2: HDMI 2.0 / HDCP 2.2 Up to 4K UHD HDR10 / HLG 4:4:4, 4:2:2, 4:2:0 12 bpc 4K 60fps 4:4:4 8bpc 3D / 4K / eARC |
| Audio Inputs | Digital input Analog stereo inputs | 3 x coaxial, 3 x optical 4 x RCA inputs |
| Amplified Audio Outputs | Amplified main outputs Analog main outputs, balanced Stereo downmix outputs, balanced Technology Amplified channels Continuous power output, per channel, à 0.1%THD 3 channels driven simultaneous, 6 channels driven simultaneous, 12 channels driven simultaneous Continuous power output, per channel, à 1%THD 3 channels driven simultaneous, 6 channels driven simultaneous, 12 channels driven simultaneous, SNR (P-rated) THD (from 1W to P-rated -1dB) | 12 4 x XLR 2 x XLR Class D 12 8Ω / 4Ω / 2.7Ω 200W / 400W / 650W 200W / 350W / 350W 200W / 300W 8Ω / 4Ω / 2.7Ω 250W / 500W / 725W 250W / 500W / 500W 250W / 300W 110dB <0,03% |
| Set-Up Management | Configurable multi-theater management Configurable audio zones management Unlimited Theater and audio zones listening presets Backup and restore of set-up Firmware update via USB/network | |
| Control Inputs / Outputs | USB type A Ethernet Output trigger control IR remote ports, in/out | 2 4 (out) 1 / 1 |
| Control / Custom Installation | Web-based product configurator TCP/IP API based control Focal Remote iPad control application Home automation Front panel display | Crestron, Control4, Savant, RTI home automation TFT 4,3" |
| Power Supply | Voltage range Type Range selection | 100V to 240V SMPS Universal |
| Supplied with | Calibrated measurement microphone and tripod, Dirac Live license, 32.9ft (10m) cable with infra-red captor, mounting kit. | |
| Dimensions & weight | Net weight - with stands (kg/lbs) Net weight - with accessories for Rack (kg/lbs) Dimensions with stands (h x w x d) (cm/inches) | 20,0 / 44.1 23,0 / 50.7 19,10 x 47,90 x 49 / 7.52 x 18.86 x 19.29 |