

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.

ELAN™

dts X™

CRESTRON®

RTI

Dolby
ATMOS

AURO 3D
AUDIO

SAVANT

Control4®

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

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