SoundCoreHero

SoundCoreHero Professional
Data sheet

Overview

SoundCoreHero Professional is a high-performance audio player, DSP processor, and automation controller designed for Audio-over-IP (AoIP) networks, operating natively within Dante and AES67 environments. It is engineered for fully digital signal paths in both single- and multi-zone installations that require independent playback, mixing, and signal processing. SoundCoreHero Professional excels in compact systems with a single audio zone as well as in complex, large-scale environments. Its modular architecture enables scalable channel expansion from 16 up to 128 bi-directional channels, while the integrated web-based management interface and open control protocols provide seamless integration with third-party systems. Offering flexibility, precision, and reliability, SoundCoreHero Professional is the ideal central platform for AV integrators seeking scalable performance and total control over the audio ecosystem.

Key features

- **Integrated playback & announcements**
  Players and announcements are independent modules; you can create thousands of them, no matter how many SoundCoreHero channels you have. You can create file-based and directory-based playlists with automatic scanning. You can also receive streams within the player.
- **Complete audio DSP**
  Professional-grade audio processing with gate, parametric EQs, compressors, duckers, delay, limiters and ability to create presets. Everything built-in- no need for costly external processors.
- **Advanced automation & scheduling**
  Your system does the work for you – maximize automation. Using a Schedule, Control Actions buttons or GPIO over IP (e.g., sensors, buttons, etc.) the system will automatically turn on the player, play announcements or advertising spots, switch sources, or trigger any pre-defined action.
- **Web Control & monitoring**
  Total control from any device- PC, tablet, or smartphone. No extra software, instant access, and secure operation wherever you are.
- **Life solo monitoring**
  Monitor any channel in real-time directly from a web browser.
- **User managment**
  Flexible user roles with the ability to create and assign personalized roles to multiple users.
- **Flexible audio channel expansion - you can purchase a single channel**
  Start from 16 × 16, through 32 × 32 and 64 × 64, up to 128 × 128, all within a single 1U chassis. Pay only for what you need — expand your system at your own pace. Add new channels and features anytime, without buying large packages. With SoundCoreHero, you can unlock single channels as your projects grow, giving you true freedom and flexibility.
- **Dante / AES67 Network**
  Native Dante and AES67 support- plug seamlessly into existing systems and stay fully compatible with modern audio networks. Your installation is future-ready.
- **System integration**
  Integration with Q-SYS, Crestron, Extron, AMX, RTI, Control4, and more control platforms via standard network protocols and API.
- **Control systems**
  SoundCoreHero acts as a central controller for your entire AV environment. Integrate and control third-party devices directly using protocols—TCP, UDP, HTTP, or Modbus TCP.
- **Mission-critical reliability**
  Engineered for environments where downtime is not an option. The server-grade 1U chassis ensures continuous 24/7 operation and includes dedicated storage space for customer data.
- **Warranty & Subscription**
  Three years of standard warranty, with the option to extend for longer coverage. Subscription provides full support services.

One device. Total control.

Dante Ready™

AES67

Applications

Restaurants, cafés, and bars
Retail stores and boutiques
Small hotels and resorts
Community centers and libraries
Educational institutions & auditoriums
Clinics and wellness centers

Do you need help?

→ **Knowledge base & FAQ:**
SoundCoreHero.com/support

→ **Get technical support**
support@SoundCoreHero.com

Audio specifications

Dante audio channels @48k or @96k	16 x 16, 32 x 32, 64 x 64, 128 x 128
Network audio latency	1 - 10 ms (Dante)
Frequency response	20 Hz - 20 kHz (±0.1 dB)
Distortion (THD+N)	< 0.002% (@20 Hz - 20 kHz,-1dBFS) < 0.006% (@20 Hz - 20 kHz,-10dBFS) < 0.02% (@20 Hz - 20 kHz,-20dBFS)
Supported audio formats	WAV, MP3, AAC, FLAC, OGG/Vorbis, MP4 (audio), AIFF, ALAC, WebM (audio), CAF, MKV (audio), ADPCM, MP2, MP1

DSP

Digital signal processor	64-bit floating-point audio processing
I/O routing	128 x 128 routing and summation matrix
Available modules	Gain, noise gate, ducker, compressor, EQ, limiter, delay
Mixer	Built-in DSP mixer with independent mixes and levels per zone

Connectors & interfaces

Connector	Type / Interface	Primary Function
Power	IEC C14 Power socket	Main power input for the device (100-240 VAC)
Control / Dante	2x RJ45 (1Gb Ethernet)	Primary and secondary ports for Dante/AES67 audio-over-IP and network control Operation mode: direct, legacy, redundant, isolated
Serial Control	RS-232	Integration with third-party control systems (e.g., AV automation, BMS, lighting)

Physical & environmental

Dimensions (W x H x D)	437 mm x 43 mm x 287 mm (17.2" x 1.7" x 11.3")
NET weight	9 kg (19,8 lbs)
Form factor	1U rackmount
Power supply	200 W gold (100 - 240 VAC)
Power consumption	65 W - 120 W
Heat dissipation	~222 - 410 BTU/hr
Operating temperature	5°C to 35°C (41°F to 95°F)
Internal storage	200 GB SSD
Cooling system	2x 40 mm PWM fans, front-to-rear airflow

Control & monitoring

Primary Control	Web UI (accessible from PC, tablet, smartphone)
Third-Party Integration	Flexible integration with any control system via a documented API

Extensions options

Option	Description
Dante hardware clock	Optional Dante expansion card providing ultra-low latency up to 1ms, hardware clock synchronization, and sampling rates up to 192 kHz, dual ethernet port for redundancy.

Product models & specifications

SKU	Name	Description
SCH-PR0-16	SoundCoreHero Professional 16	• Max Channels: 16 x 16@48k • Dante/AES67 • Storage: 200 GB SSD • Chassis: 19" Rack (1U) • Warranty: 36-months
SCH-PR0-32	SoundCoreHero Professional 32	• Max Channels: 32 x 32@48k • Dante/AES67 • Storage: 200 GB SSD • Chassis: 19" Rack (1U) • Warranty: 36-months
SCH-PR0-64	SoundCoreHero Professional 64	• Max Channels: 64 x 64@48k • Dante/AES67 • Storage: 200 GB SSD • Chassis: 19" Rack (1U) • Warranty: 36-months
SCH-PR0-128	SoundCoreHero Professional 128	• Max Channels: 128 x 128@48k • Dante/AES67 • Storage: 200 GB SSD • Chassis: 19" Rack (1U) • Warranty: 36-months