

DENVER CORE1



DENVER AUDIOVIDEO CORE 1 CONTROLLER

Designed to fit discreetly behind any television, CORE 1 enables entertainment and intelligent automation experiences in every area, whether residential, commercial, or retail. CORE 1 delivers a beautiful, intuitive, and responsive 4K on-screen user interface with the ability to create and enhance the entertainment experience for any TV in the building. CORE 1 can orchestrate a wide range of entertainment devices including Blu-ray players, satellite or cable boxes, game consoles, and virtually any product with infrared (IR) or serial (RS-232) control. It also features IP control for TVs, Apple TV, Roku, AVRs, and other network-connected devices, as well as secure, wireless Zigbee control for remotes, lights, thermostats, smart locks, and more. For entertainment, CORE 1 provides higher quality audio and a second independent zone – one digital audio output, and an HDMI output. The pair of simultaneous audio streams are provided by Ryff, the built-in high-resolution audio server, allowing customers to listen to their local music library, or stream from a variety of leading music services, and AirPlay-enabled devices. With OvrC Pro built in, CORE will be the foundation for networking monitoring and management, giving you access to the entire network of IP devices -- including third-party products -- for remote connections, device and network configurations, and troubleshooting. Those features, paired with diagnostic data, make remote support easy, eliminating unnecessary service calls, which enables you to streamline your business and tackle more jobs, all from the OvrC web or mobile app.

- New, updated multi-core processors allow CORE 1 to run OS 3 faster and more efficiently, with power to spare for new features and functionality currently in development
- Four audio outputs—two stereo analog outputs, one digital audio output, and one HDMI—distribute up to four simultaneous, high-resolution audio streams from native streaming services, AirPlay-enabled devices, and local music libraries
- Ryff high-resolution audio server built-in, with native support for popular streaming services including Qobuz, TIDAL, Pandora, Spotify, SiriusXM, SOUNDMACHINE, TuneIn, and more
- Elegant 4K on-screen interactive menu for easy access to entertainment sources, device control, scene selection, comfort settings, surveillance monitoring, and more
- 1U, fan-less design features a heat-sink chassis and integrated power supply, for a simple, silent and reliable installation
- PoE+ provides power and network connectivity over a single CAT5/CAT6 cable
- Built-in two-port Ethernet switch simplifies installation by connecting an additional device to the local network
- Included ears in the box to allow for mounting inside a rack

- Optional mounting bracket allows easy mounting to the back of a TV, on the wall, or to a standard wall box
- Integrated Zigbee and Zwave* radios with external antennas simplify installation while delivering reliable low-bandwidth communication for other smart/connected devices
- USB port enables connection to external hard drives for easy access to music content, or use of a WI-FI dongle
- Registration to customer.control4.com enables access and control from multiple mobile devices through the Control4 App for Android and iOS – including Apple Watch – while connected to the local network
- Active 4Sight subscription enables remote access with the Control4 App, Intercom Anywhere, Notifications, integration with Alexa and Google voice assistants, When>>Then access, and automatic cloud backups
- Communication server built-in for audio/video intercom between Control4 touchscreens, Chime Video Doorbells and door stations
- OvrC Pro built in for advanced remote management and monitoring, device and network configurations, and simplified troubleshooting solutions including the OvrC Connect app for customers.

*Z Wave antennas will be enabled later in 2022 after completion of the certification process

Embedded services

*Control4 app	Supports up to 50 iOS and Android devices
*OvrC Hub	Built-in OvrC Pro functionality
*Music Services	Pandora, Napster, Spotify, TuneIn, TIDAL, Deezer, SiriusXM, SOUNDMACHINE, iHeartRadio, Amazon Music, Radio.com, Qobuz
*Apple Support	Airplay-enabled devices Inputs/Outputs - AV

Inputs/Outputs - AV

Video Out	1 video out—HDMI
Video Out	HDMI 2.0a output; 4K @ 60Hz
Audio Out	4 audio out - HDMI, 2 stereo analog, and Digital Coax
Audio In	1 audio in - dig coax
Audio Playback	AAC, AIFF, ALAC, FLAC, M4A, MP2, MP3, MP4/M4A, Ogg Vorbis, PCM
Audio Resolution	Up to 192 kHz / 24 bit

Accessories

Wall-Mount Bracket	C4-CORE3-WM
3.5mm to DB9 Serial Cable	C4-CBL3.5-DB9
Remote for OnScreen Menu	C4-SR260-B
4Sight Subscription (1 Year)	C4-4Sight-E

Inputs/Outputs - Network

Ethernet	10/100/1000BaseT compatible (required for controller setup) 1 1 Ethernet/POE+ in port, 1 Ethernet out port
WiFi	Accessory only via USB
WiFi Security	WPA/WPA2
WiFi Antena	Accessory only via USB
Zigbee Pro	802.15.4
Zigbee Antenna	External reverse SMA connector
Zwave	Zwave 700 series
Zwave	Antenna External reverse SMA connector
USB Port	1 USB 2.0 port

Inputs/Outputs - Control

IR out	6 IR out - 5V 27ma max output
IR capture 1	IR receiver—front; 20-60 kHz Serial out 3
serial out	(shared with IR out 1-3)
Contacts	1x; 2-30VDC input, 12VDC 125mA max output
Relays	1x; AC: 36V, 2A max across relay; DC: 24V, 2A max across relay

Power

Power requirements	100-240VAC, 60/50Hz, POE+
Power consumption	Max: 18W, 61 BTUs/hour, Idle: 12W, 41 BTUs/hour

Other

Temperature	Operating: 32 - 104 F (0 - 40 C) Storage: 4 - 158 F (-20 - 70 C)
Fan dB level	No fan
Dimensions (H x W x D)	1.68" (42.9mm) X 8.63" (220mm) X 5.5" (140mm)
Weight	2.1 lbs (0.95 kg)

Other - Mechanical and Hardware

Front Panel LEDs	Status LEDs (listed left to right): music streaming, warning, Link, power
ID Button	Includes LED that mimics the power LED on the front panel
CPU	i.MX8Mi Quad Core
RAM	2GB Minimum
Flash Disk	16GB eMMC
Security	Secure Boot
OSD	QT OSD

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