Control4® EA-5 Controller

Control4® EA-5 Entertainment and Automation Controller
C4-EA5, C4-EA5-V2

The Control4 EA-5 Entertainment and Automation Controller is designed to deliver the ultimate smart home experience, featuring the highest-quality audio of the EA series and processing power to coordinate hundreds of smart devices. The EA-5 can automate sophisticated home theaters, complex interior and exterior lighting scenes, vital security and communications systems, and climate controls for multiple zones.

The EA-5 features five independent audio outputs—two digital coaxial, two RCA stereo analog, and one HDMI—with an audiophile-grade signal-to-noise ratio of 118dB. A built-in music server delivers immersive, multi-stream, high-resolution audio with five built-in simultaneous audio streams from your local music collection, a variety of streaming music services, or from AirPlay-enabled devices using native Control4 ShairBridge technology. Expand beyond five streams by including additional EA-5 or EA-3 Controllers.

Secure, wireless Zigbee communication; plentiful I/O including IR, serial, contacts and relays; and IP control enable connections to smart home devices such as thermostats, door locks, doorbells, cameras, security panels, sensors, lighting, shades, garage door controllers, irrigation systems, and much more. The sleek design, rack-mount form factor, and top-of-the-line connectivity make the EA-5 the ultimate foundation for any Control4 system and the platform to power the future of your smart home.

- Advanced multi-core processor delivers a new level of speed and performance for instantaneous, interactive on-screen control and access to lighting, security, music, and video libraries.
- High-resolution audio delivered with high-quality DACs, exceptional signal-to-noise ratio and ultra-low distortion for multiple simultaneous streams of fantastic-sounding music.
- Integrated music server with native support for Pandora®, Spotify, TIDAL, Deezer, TuneIn, and Napster® streaming services.
- Elegant on-screen experience for easy access to entertainment and the entire home.
- Low-profile design features an integrated power supply for flexible, simple installation and long-term reliability.
- Pre-installed rack ears and 1U rack size for convenient rack mounting.
- Incredibly fast, intuitive control from a tablet, smart phone, touch screen, remote, or TV On-Screen Navigator.
- Built-in five-port gigabit network switch simplifies installation for your network-connected devices around the television.
- Integrated Zigbee radio with external antennas adds high-performance connectivity.
- USB and eSATA ports enable connections to external hard drives for easy access to music content.
- Control4 App license enables in-home control from multiple iOS—including Apple Watch—and Android mobile devices. Connect to your home remotely with an optional 4Sight subscription.
- Video/Audio Intercom license for whole-home communications with Control4 touch screens and door stations.
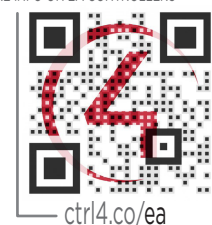
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Model number	
Entertainment and Automation Controller, 5 Zone	C4-EA5
Entertainment and Automation Controller, 5 Zone, V2	C4-EA5-V2
Embedded services	
Control4 app license	Included—Supports up to 50 devices
Streaming services	Pandora®, Napster®, Spotify Connect, TuneIn, TIDAL, Deezer
ShairBridge	Up to 20 instances of the driver in the project; 5 concurrent streams
Inputs / Outputs	
Video out	1 video out—HDMI
Video	HDMI 1.4 output; HD 1080p, 50-60 Hz
Audio out	5 audio out—1 HDMI, 2 stereo analog, 2 digital coax
Audio in	4 audio in—2 stereo analog, 2 digital coax
Audio playback formats	AAC, AIFF, ALAC, FLAC, M4A, MP2, MP3, MP4/M4A, Ogg Vorbis, PCM, WAV, WMA
High-resolution audio playback	Up to 192 kHz / 24 bit
Advanced audio subsystem	Dual audio signal processors, multiple sample rate converters
Audio system controls (analog or digital coax)	10-band graphic equalizer, input gain, output gain, loudness, tone controls, balance
Signal-to-noise ratio	<-118 dBFS
Total harmonic distortion	0.00023 (-110 dB)
Network	
Ethernet	10/100/1000BaseT compatible (required for controller setup)
Built-in Ethernet switch	1 Ethernet in + 4 gigabit Ethernet switch ports
WiFi	Internal Dual-Band Wireless-N (EA-5 V1) (2.4 GHz, 5 GHz, 802.11n/g/b) Optional Dual-Band WiFi USB Adapter (EA-5 V2) (2.4 GHz, 5 Ghz, 802.11ac/b/g/n/a)
WiFi security	WPA/WPA2
WiFi antenna	External reverse SMA connector (EA-5 V1 only); optional WiFi adapter on the EA-5 V2
Zigbee Pro	802.15.4
ZigBee antenna	External reverse SMA connector
eSATA port	1 eSATA port
USB port	1 USB 2.0 port—500mA
Control	
IR out	8 IR out—5V 27mA max output, 1 IR blaster—front
IR capture	1 IR receiver—front; 20-60 kHz
Serial out	4 serial out (2 DB9 ports and 2 shared with IR out 1-2)
Contact	4 contact sensors—2V-30VDC input, 12VDC 125mA maximum output
Relay	4 relays—AC: 36V, 2A maximum voltage across relay; DC: 24V, 2A maximum voltage across relay
Power	
Power requirements	100-240 VAC, 60/50Hz
Power consumption	Max: 40W, 136 BTUs/hour Idle: 15W, 51 BTUs/hour
Other	
Operating temperature	32˚ ~ 104˚ F (0˚ ~ 40˚ C)
Storage temperature	4˚ ~ 158˚ F (-20˚ ~ 70˚ C)
Fan dB level	Max: 35 dB
Dimensions (H × W × D)	1.875″ (49 mm) w/feet × 17.5″ (444 mm) × 10.125″ (258 mm)
Weight	6.85 lbs (3.10 kg)
Shipping weight	9.30 lbs (4.20 kg)
Accessories	
3.5 mm to DB9 Serial Cable	C4-CBL3.5-DB9B
SR-260 System Remote Control	C4-SR260-B
4Sight Subscription (1 Year)	C4-4Sight-E

For more information on the entire EA Controller product line, visit ctrl4.co/ea

MORE INFO ON EA CONTROLLERS

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For product photos, documentation and installation instructions, visit ctrl4.co/controllers

ONLINE PORTAL—CONTROLLERS

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