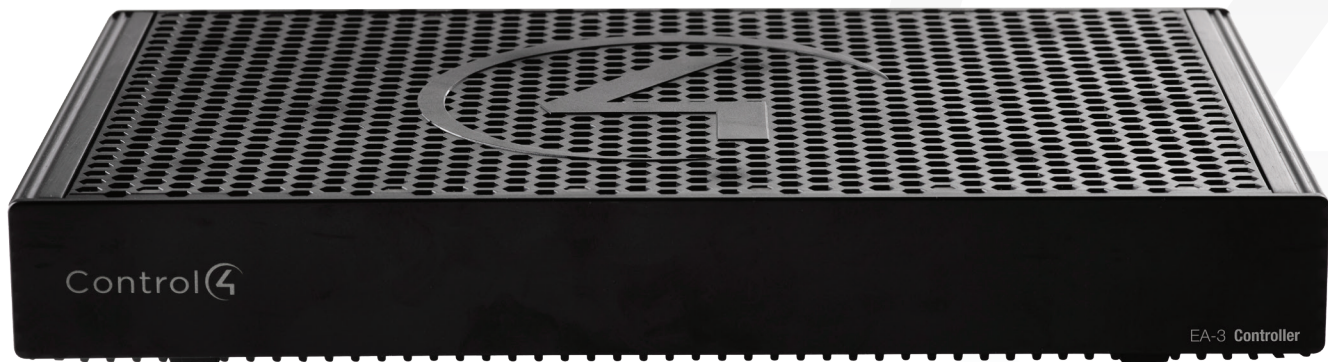# Control4® EA-3 Controller

Control4® EA-3 Entertainment and Automation Controller
C4-EA3, C4-EA3-V2

The versatile Control4 EA-3 Entertainment and Automation Controller is the perfect fusion of multi-room, high-resolution audio and smart home automation for small to mid-size homes.

Powered by a next-generation multi-core processor, the EA-3 delivers a new level of speed and performance for instantaneous, interactive on-screen access to all the systems in the home. A built-in music server with three audio outputs delivers high-resolution audio throughout the home from your local music library, popular streaming music services, and AirPlay-enabled devices using native Control4 ShairBridge technology.

The EA-3 includes a variety of I/O to automate audio and video, lighting, climate control, door locks, and other devices controlled by IP, infrared (IR), serial, and ZigBee. With PoE+ for power, a port for Ethernet out, and its optional mounting bracket, the compact form factor of the EA-3 makes it easy to install behind any TV or projector.

- Three audio outputs—one HDMI, one stereo analog, and one digital coax—distribute up to three simultaneous, high-resolution audio streams from native streaming services, AirPlay-enabled devices, and local music.
- Integrated music server with native support for popular streaming services, including Deezer, Pandora, Rhapsody, Tidal, and TuneIn.
- 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.
- 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 home network.
- Optional mounting bracket allows easy mounting to the back of your TV, on the wall, or to a standard wall box.
- Integrated ZigBee radio with external antennas simplify installation while delivering high-performance connectivity.
- USB port enables connection 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 for whole-home communications with Control4 touch screens and door stations.

ESPECIFICACIONES

Control4® EA-3 Controller

Model number	
Entertainment and Automation Controller, 3 Zone	C4-EA3
Entertainment and Automation Controller, 3 Zone, V2	C4-EA3-V2
Embedded services	
Control4 App license	Included—Supports up to 50 devices
Streaming services	Pandora®, Napster®, Spotify, TuneIn, TIDAL, Deezer
ShairBridge	Up to 20 instances of the driver in the project; 3 concurrent streams
Inputs/outputs	
Video out	1 video out—HDMI
Video	HDMI 1.4 output; HD 1080p, 50-60 Hz
Audio out	3 audio out—1 HDMI, 1 stereo analog (3.5 mm), 1 digital coax
Audio in	2 audio in—1 stereo analog (3.5 mm), 1 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	Dedicated audio signal processor
Audio system controls (analog only)	10-band graphic equalizer, input gain, output gain, loudness, tone controls, balance
Signal-to-noise ratio	<-110 dBFS
Total harmonic distortion	0.0015 (-96.5 dB)
Network	
Ethernet	10/100/1000BaseT compatible (required for controller setup) PoE+ supported
Power over Ethernet	802.3at-2009 (PoE+) / 25.5W
Built-in Ethernet switch	1 Ethernet/PoE in + 1 Ethernet switch port
WiFi	Internal Dual-Band Wireless-N (EA-3 V1) (2.4 GHz, 5 GHz, 802.11n/g/b) Optional Dual-Band WiFi USB Adapter (EA-3 V2) (2.4 GHz, 5 Ghz, 802.11ac/b/g/n/a)
WiFi security	WPA/WPA2
WiFi antenna	External reverse SMA connector (EA-3 V1 only); optional WiFi adapter on the EA-3 V2
ZigBee Pro	802.15.4
ZigBee antenna	External reverse SMA connector
USB port	1 USB 2.0 port—500mA
Control	
IR out	6 IR out—5V 27mA max output, 1 IR blaster—front
IR capture	1 IR receiver—front; 20-60 kHz
Serial out	3 serial out (shared with IR out 1-3)
Contact	1 contact sensor—2V-30VDC input, 12VDC 125mA maximum output
Relay	1 relay—AC: 36V, 2A maximum voltage across relay; DC: 24V, 2A maximum voltage across relay
Power	
Power requirements	100-240 VAC, 60/50 Hz or PoE+
Power consumption	Max: 25W, 85 BTUs/hour; Idle: 13W, 44 BTUs/hour
Other	
Operating temperature	0 ~ 40 ˚C (32 ~ 104 ˚F)
Storage temperature	-20 ~ 70 ˚C (4 ~ 158 ˚F)
Fan dB level	Max: 35 dB
Dimensions (H × W × D)	31 mm (1.25") × 221 mm (8.75") × 149 mm (5.875")
Weight	0.74 kg (1.60 lb)
Shipping weight	1.26 kg (2.75 lb)
Optional accessories (not included)	
Wall-Mount Bracket	C4-WMEA3
Rack-Mount Kit	C4-EA3RMK1, C4-EA3RMK2
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