Control4® EA-3 Controller

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.
### Control4® EA-3 Controller

#### Model number
- Entertainment and Automation Controller, 3 Zone: 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
- **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
- **Wall-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

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*For more information on the entire EA controller product line:*

ctrl4.co/ea

*For product photos, documentation, and installation instructions:*

ctrl4.co/controllers