

CASAMBI TO CONTROL4 DRIVER SUITE

A drag-and-drop Control4 DriverWorks suite that brings Casambi lighting, curtains, fans, IR, air conditioning, wall switches, groups, sensors and DALI into Control4 through a Lithernet Casambi gateway. A Hub driver discovers every device; you drag each device driver onto it. Everything runs on the Control4 controller — no extra box to install.

INTEGRATION	MODEL	NETWORK	GATEWAY	CONTROL4 OS
Casambi to Control4	Hub, drag-and-drop	Local LAN · no cloud	Lithernet Casambi gateway	3.3.0 or later
DELIVERY				
Pre-provisioned per project				

01 OVERVIEW

A Casambi network is a Bluetooth mesh that Control4 cannot see directly. A **Lithernet Casambi gateway** joins the mesh over Bluetooth and relays each luminaire's state and commands to the Control4 controller over the local network.

The Kodaa suite uses a **Hub drag-and-drop model**. The **Casambi Hub** driver runs on the controller, discovers every Casambi device, group, sensor and keypad the gateway reports, and lists each one ready to link. You add the matching device driver for a fixture, set it to **Linked to Hub**, and drag it onto the entry the Hub discovered — no network address, id or device number to type.

Everything stays on the local LAN. There is no cloud in the Control4-to-gateway path, and the Casambi app keeps working alongside.



A Casambi lighting setup — lights, shades and appliances, all controlled from Control4 Navigator and the Control4 app.

02 HIGHLIGHTS

● Runs on the controller The whole integration lives in Control4 drivers on the controller. The gateway connects straight to it — no Raspberry Pi, NUC or separately installed box.	● Discover, then drag The Hub discovers every Casambi device, group, sensor and keypad the gateway reports, and lists each one. You drag each device driver onto its entry — no addresses to type.
● Every device type links Dimmer, Tunable White, RGB, RGBW, RGBCW, Curtain, Fan, IR Blaster, AC and Keypad all link by drag-and-drop, each appearing as the matching Control4 type: light, shade, fan, thermostat or button.	● Groups and sensors Drive a Casambi group as a dimmable zone, and read PIR/lux, air-quality or people-count sensors — each as its own child driver.
● DALI lighting A DALI Hub discovers DALI lights per Casambi unit for drag-and-drop, each linking as a Control4 light.	● Pre-provisioned & licensed Production drivers ship pre-provisioned per project. Each licence is per project and non-transferable, and only the gateway connection is set on install.

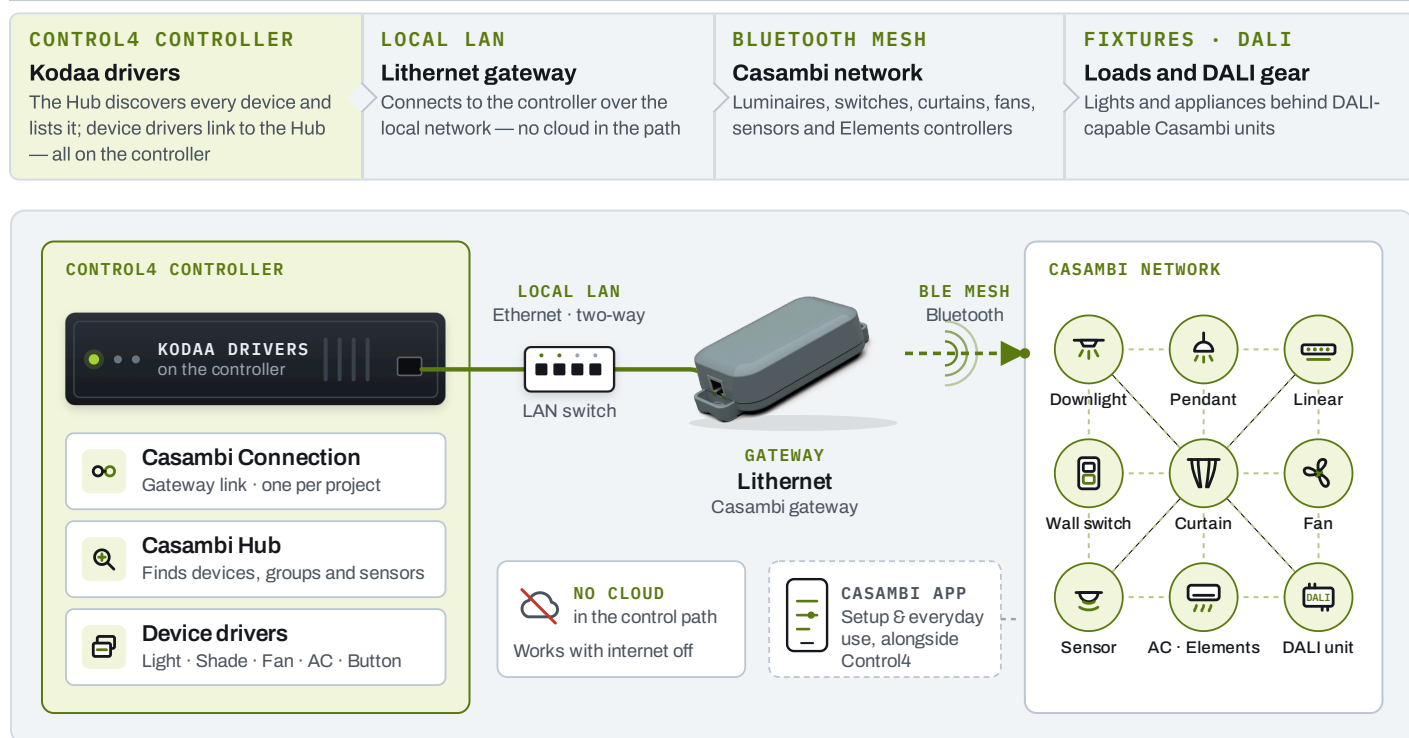
03 DRIVER LINEUP

KODAA DRIVER	IN CONTROL4	WHAT IT CONTROLS
ON THE CONTROLLER		
Casambi Connection	Utility	The on-controller service that links the gateway and every driver. One per project.
Casambi Hub	Button	Discovers every Casambi device, group, sensor and keypad, and lists each one ready to link.
Casambi DALI Hub	Button	Discovers DALI lights per Casambi unit and lists each one for drag-and-drop linking.

KODAA DRIVER	IN CONTROL4	WHAT IT CONTROLS
LIGHTING		
Casambi Dimmer	Light	On/off and brightness for one luminaire, with an installer-set fade.
Casambi Tunable White	Light	Brightness plus colour temperature; per-fixture Kelvin endpoints entered by hand.
Casambi RGB	Light	Brightness and full colour for RGB fixtures.
Casambi RGBW	Light	Brightness and full colour with a real white channel.
Casambi RGBCW	Light	Brightness, full colour and tunable white, switching between colour and white modes.
Casambi DALI Light	Light	A single DALI light linked by drag-and-drop to a DALI Hub entry.
DEVICES AND APPLIANCES		
Casambi Curtain	Shade	Open, close and stop for one motor.
Casambi Fan	Fan	Off, Speed 1–7 and Full via a Casambi element.
Casambi IR Blaster	8 buttons	Up to eight blaster buttons as toggle or send tiles. Codes are learned in the Casambi app.
Casambi AC	Thermostat	Power, mode, fan speed and a single setpoint for an AC on a Casambi Elements controller. Ships with control disabled until the appliance map is confirmed.
Casambi Keypad	Button events	Casambi wall-switch / coupler presses as Control4 Programming events and variables.
GROUPS AND SENSORS		
Casambi Group	Light	A Casambi group as a dimmable zone: read and write group level. Dimmable only.
Casambi Sensor	Sensor	Read-only PIR/lux, air-quality (temp/humidity/pressure/aqi/co2) or people-count data, auto-typed from the gateway.

Licensing is per project and non-transferable — activated per project, or pre-provisioned by Kooda in the Hub. In Linked mode a device driver needs no network address, id or device number — it simply follows the entry it was dragged onto.

04 HOW IT CONNECTS



01 DISCOVER

The Hub reads every device, group, sensor and keypad the gateway reports and lists each one.

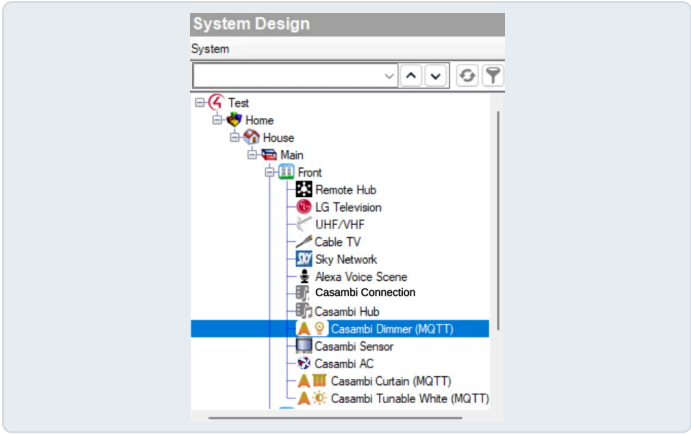
02 LINK

Add the matching device driver, set it to Linked to Hub and drag it onto its entry. Nothing to type.

03 CONTROL

A tap in Control4 goes controller → LAN → gateway → BLE mesh. State reports back the same way.

Commands travel Control4 → gateway → mesh on the customer's LAN. Control4 does not need the internet to control the lights; the Casambi app and its own cloud work separately and are not part of this path.



The Kodaa Casambi drivers installed in a live Control4 project (Composer Pro).



The Lithernet Casambi gateway, on the LAN alongside the controller.

05 TECHNICAL SPECIFICATIONS

Platform	Control4 DriverWorks drivers in Composer Pro. Each device appears as the matching Control4 type — light, shade, fan, thermostat or button
Control4 OS	Targets Control4 OS 3.x; drivers declare OS 3.3.0 as the minimum
Model	Hub drag-and-drop. The Hub runs on the controller, discovers every device and lists it; device drivers link by dragging them onto the discovered entry
Casambi gateway	Lithernet Casambi gateway on the local network. DALI features need a recent gateway firmware; verify against the Lithernet changelog
Network	Local LAN only. No cloud in the Control4-to-gateway path; the linked drivers make no web or URL calls
Addressing	Supports the full Casambi device and group range. Groups appear once their ranges are enabled on the gateway
Discovery	Passive. The gateway reports everything on its own refresh cycle; the Hub creates one entry per discovered device, group, sensor and keypad
Feedback	Two-way. Control4-initiated changes show at once; changes made outside Control4 follow the gateway's reporting cycle, up to about a minute
Sensors	Read-only. Standard (PIR/lux), AirQuality (temperature/humidity/pressure/aqi/co2) or PeopleCount, auto-typed from the gateway
AC	Single setpoint, power, mode and fan speed via a Casambi Elements controller. Control ships disabled; the element map is confirmed per appliance before it is enabled
DALI	The DALI Hub discovers DALI lights per Casambi unit for drag-and-drop linking; needs a recent gateway firmware
Licensing	Licensed per project and non-transferable. Activated per project, or pre-provisioned by Kodaa in the Hub.

06 DEPLOYMENT

- Pre-provisioned per project.** Production drivers are built per project by Kodaa, licensed per project and non-transferable; the dealer sets only the gateway connection on install.
- Non-transferable licence.** Each project's drivers are licensed to that project only, so they cannot be reused on another site. Discovery and control work normally within the licensed project.
- Local network only.** Keep the gateway, controller and integration on an isolated local network, never on an internet-facing path. There is no cloud dependency in the control path.
- Confirmed on site.** AC control is enabled only after the appliance's element map is confirmed on site; a handful of write paths are validated during commissioning.

07 REQUIREMENTS

- ✓ Control4 controller on OS 3.3.0 or later, with Composer Pro
- ✓ Casambi network commissioned in the Casambi app, gateway added
- ✓ The Casambi Connection and Casambi Hub drivers on the controller
- ✓ For Tunable White and RGBCW: the fixture's warm and cool Kelvin endpoints
- ✓ Lithernet Casambi gateway on the same local network
- ✓ Device numbers inside the gateway device range; groups inside their counts
- ✓ A project licence, or a pre-provisioned Hub from Kodaa

No extra hardware

The integration lives in Control4 drivers, so the gateway talks straight to the controller. Nothing else to power, patch or support.

The whole network

Lighting, colour, tunable white, curtains, fans, IR, AC, keypads, groups, sensors and DALI — one suite.

Discover and drag

The Hub finds every device; you drag drivers onto their entries. No network address, id or device number to type in the linked model.

Delivered ready

Pre-provisioned per project, licensed per project and non-transferable; the dealer sets one field and installs.

PRODUCT

Kodaa

Casambi to Control4 Driver Suite

DOCUMENT

Datasheet

Doc KDA-CAS-DS-004 · Rev 4

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