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📺 EN · العربية

PRACTICAL CONTROLS KNOWLEDGE

Casambi BLE Mesh

Bluetooth mesh lighting control — no gateway, no wiring, commissioned from a phone.

Control without control wiring?

Yes. Casambi puts the intelligence in each driver and links them over a Bluetooth mesh — no central controller, no extra cabling.

DEFINITION · 1 OF 2

BLE Mesh

Self-healing, **peer-to-peer**.



Every node relays. **If one drops, the mesh re-routes** — no single point of failure.

DEFINITION · 2 OF 2

No Gateway

Intelligence **in the node.**



Commission from the app. **A gateway is optional** — only needed for remote/cloud access.

WHY MESH

Node + Node = self-healing network

Each fitting is a controller and a repeater. Add nodes and the network grows and strengthens — ideal for retrofit.

One network. Three wins.

Where BLE mesh shines.

RETROFIT

No new wiring

wireless

SCALE

Add nodes

grows

CONTROL

App / sensor

scenes

Casambi facts **to know.**

Key characteristics (illustrative).

Topology

BLE mesh

Gateway

optional

Commissioning

app

Resilience

self-healing

Best for

retrofit



Assuming it needs a controller.

Speccking a central controller and control cabling **misses the point of mesh**. The intelligence is distributed — design for nodes and an app, not a panel.

NEXT TIME YOU SCOPE CONTROLS

Consider **wireless mesh.**

For retrofit and flexible layouts, a BLE mesh can remove control wiring entirely.

- ✓ Mesh vs wired control
- ✓ Gateway only if remote access
- ✓ App / sensor commissioning

PRACTICAL CONTROLS KNOWLEDGE

Save this. Send it to a colleague.



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