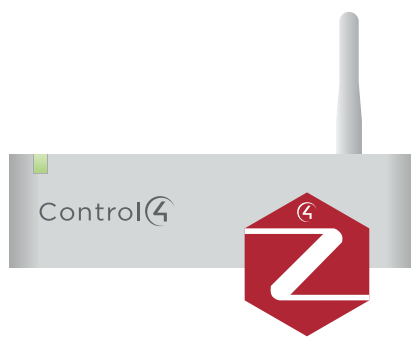# Control4 ZIGBEE PRO

MESH DESIGN PRINCIPLES

Rule of Thumb

Never put a mesh controller in a rack. Racks block wireless signals.
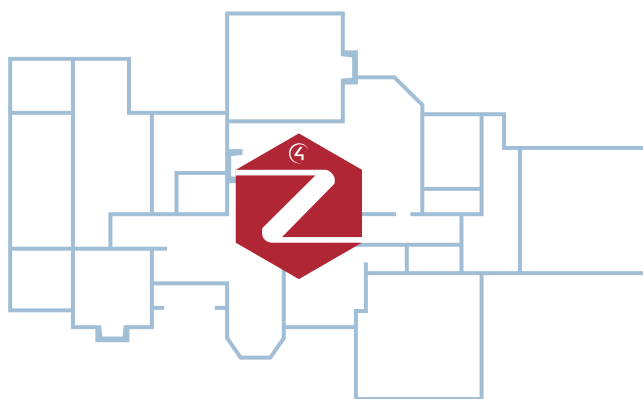

2nd Finger

Use secondary controllers for mesh controllers.

Middle Finger

Put the mesh controller central to the devices in each mesh.

Ring Finger

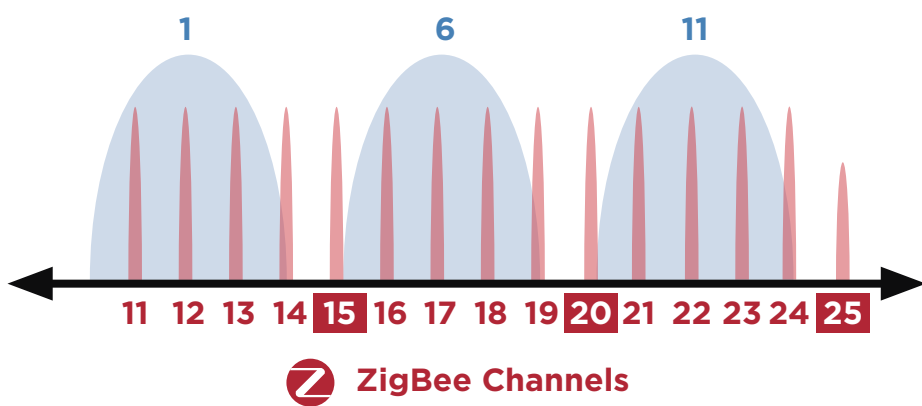Never locate WiFi access points within a 5 meter (15 feet) ring around a mesh controller.

Small Finger

Limit a mesh to fewer than 70 devices. For more than 70, setup additional mesh controllers.

↓70

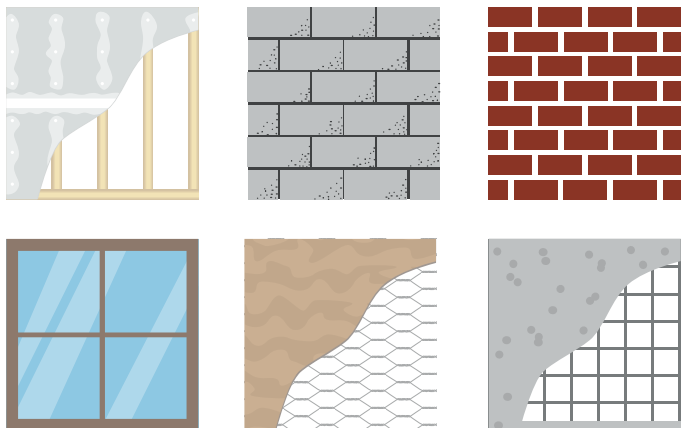Control4

Control4 ZIGBEE PRO

MESH DESIGN PRINCIPLES

Never use WiFi on a mesh controller.

WiFi Channels

1   6   11

11 12 13 14 **15** 16 17 18 19 **20** 21 22 23 24 **25**
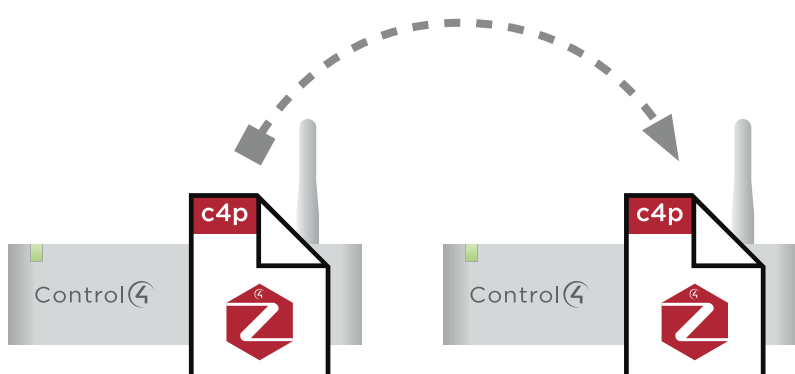
ZigBee Channels

Select a ZigBee channel that does not overlap with WiFi. ZigBee channels 15, 20, and 25 work best with the most common WiFi channels.

Construction materials significantly attenuate or block ZigBee signals.

Don't put a mesh controller near an interference source.

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c4p

c4p

Never copy a project that has an existing mesh controller to another nearby controller.

Control4