XBus CAT6 Wiring Cheat-Sheet

Pair	Colours	Function	Assignment
Pair 2	White/Orange + Orange	XBus Signals	A = White/Orange B = Orange
Pair 1	White/Blue + Blue	Power Feed 1	+V = Blue 0V = White/Blue
Pair 3	White/Green + Green	Power Feed 2	+V = Green 0V = White/Green
Pair 4	White/Brown + Brown	Spare	Unused / Optional

Notes

- Keep A and B together on Pair 2 only.
- Use Pair 1 and Pair 3 in parallel to reduce voltage drop.
- All panels must preserve colour-to-colour continuity.
- Do not connect the shield except at the LZV200 end.
- Pair 4 remains unused unless explicitly needed.

2. Daisy-Chain Installation

- Use a single continuous CAT6 cable as the XBus trunk.
- Wire all panels in series (no star wiring).
- Pass all pairs straight through with colour-to-colour continuity.
- Keep stubs short.

2.1 Termination

- Base station end: use built-in LZV200 termination.
- Far end: install a 100 ohm resistor between A (White/Orange) and B (Orange).

2.2 Shielding

- The CAT6 shield must run unbroken through every panel.
- Do not connect the shield to anything at intermediate panels or the far end.
- Connect the shield to ground only at the LZV200 end.

2.3 Power Distribution

- Use Pair 1 and Pair 3 together for power distribution.
- Join +V wires at each panel and join 0V wires at each panel.
- Feed sockets from these combined points to reduce voltage drop.