

# Clipsal C-Bus Lighting Specification

This document outlines the preferred setup of C-Bus lighting controllers for use with collaboration systems.

## Unit Address Allocations

- The DIN Rail PC Interface (or Ethernet) should be allocated to address 254 for consistency. (254 prevents clashes when adding new units which default to 255)
- All other units can be addressed as seen fit.

## Lighting Group Allocations

- Group 0: All motion detectors
- Groups 1 to 12: Core Lighting Groups
- Groups 13 to 20: Spot Lighting
- Groups 21 to 26: Floor (aisle) Lighting
- Groups 27 to 31: Misc Control (Blinds etcetera)
  
- *Group 32: All motion detectors for room 2*
- *Groups 33 to 44: Room 2 core lighting etcetera...*

## Scenes and Trigger Control

- Trigger Group 0: *Reserved / Unused*
- Trigger Group 1: All room wall mounted button controls
  - Action 0: *Reserved / Unused*
  - Action 1: Scene with All Lights at full
  - Action 2: Scene with Board Lights off (Enabling Projection / presentation)
  - Action 3: [Optional / reserved] Board Lights off, rest of lights dimmed
  - Action 4: Scene with All Lights off (Exception of safety lighting)
  - Action 5 onwards to represent any other lighting scenes that are desired.
  
- *Trigger Group 2: Room 2 triggers*

## Button Layouts

This means on all lighting button controls:

- The **Top most button** is always allocated **Action 1**
- The next highest button allocated Action 2
- The **Lowest button** allocated to **Action 4**

Left to right if configured as a square grouping or is mounted sideways.

## Scene Details

### Recommended Lecture Theatre Dimmer Scenes/Presets

<b>Scene 1</b>	Board Lights	100%
	Lectern Spotlights Off to save lamp unless theatre dark at front - if on, 75%-100%	0%
	Directional stage lights - Off to save lamp unless theatre dark at front – if on, 75%-100%	0%
	Audience front row(s)	100%
	Audience remainder	100%
	Aisle Lights (if present)	0%
<b>Scene 2</b>	Board Lights	0%
	Lectern Spotlights	80-90%
	Directional stage lights	80-90%
	Audience front row(s)	75 - 100% (higher values only possible if no spill)
	Audience remainder	100%
	Aisle Lights (if present)	0%
<b>Scene 3</b>	Board Lights	0%
	Lectern Spotlights	70-80%
	Directional stage lights	70-80%
	Audience front row(s)	30-50% (higher values only possible if no spill)
	Audience remainder	50%
	Aisle Lights (if present)	75-100%
<b>Scene 4</b>	Board Lights	0%
	Lectern Spotlights	25-50% (only if user control available)
	Directional stage lights	0%
	Audience front row(s)	0%
	Audience remainder	0%

	Aisle Lights (if present)	75-100%
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### Additional Details

- To reduce energy consumption and prolong lamp life lights should to be run at less than 100%:For example 95%
- All lights need to be soft start – ramp up.

See AETM Design Guidelines for Tertiary Teaching Spaces for more information.