SpaceLogic C-Bus Controllers

Manager vs Custom Visualisation

v1.0 June 2025

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Aim of this Document

The aim of this document is to highlight suggested techniques on how to provide your customer with control over their C-Bus project using the dedicated **Clipsal C-Bus Manager mobile application** if their C-Bus Controller project already has a defined custom visualisation.

The contents of this document have been developed using and are as follows:

- 5500NAC2 and 5500AC2 firmware v2.1.0

1. Introduction
2. Existing Custom Visualisation Sites
3. Transition: Plans to Floors & Rooms
4. Transition: Elements & Objects to Widgets
5. Transition: Scenes
6. Final Project

Before viewing the contents of this document, it is highly recommended to download and view the following Quick start guides:

- C-Bus Controllers: Manager & Manager Config
- C-Bus Controllers: Clipsal C-Bus Manager

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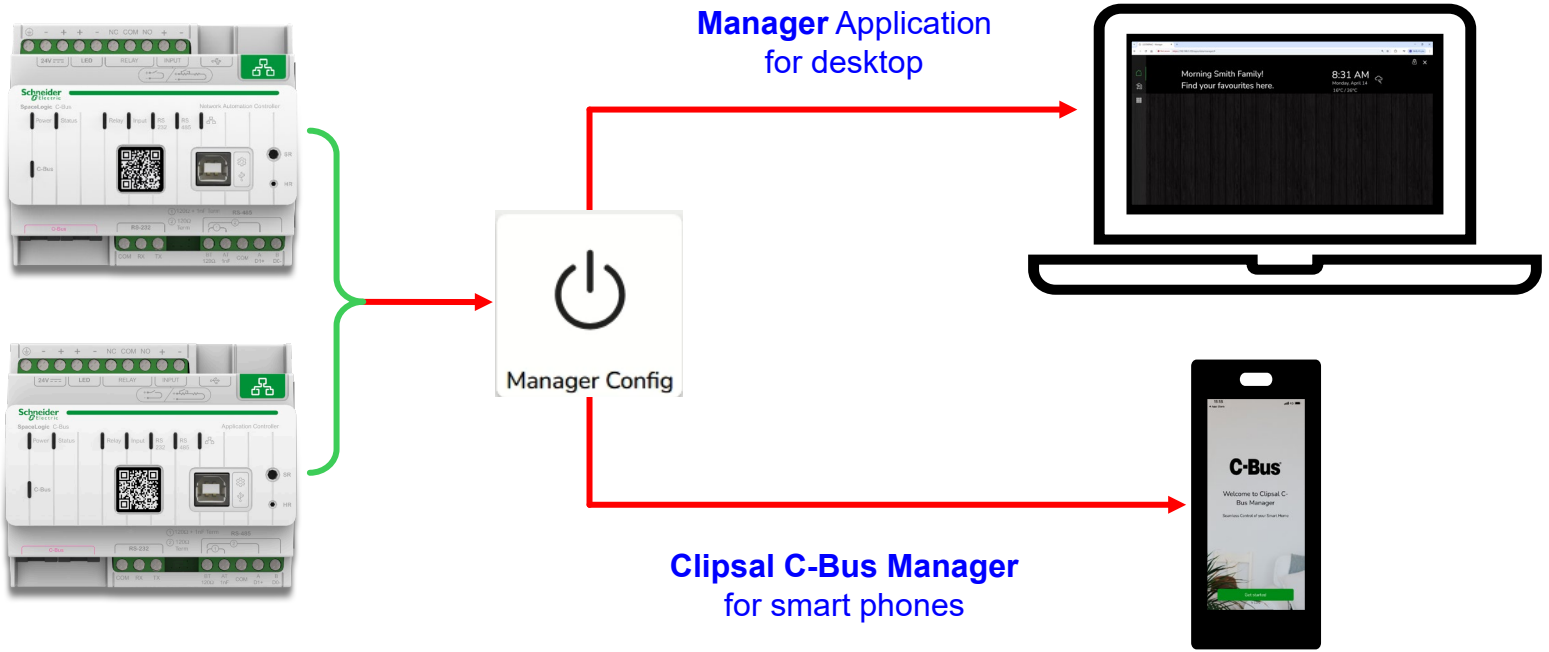
Introduction: Manager Config

The Manager Config application gives you the capability to create a visual structure / representation of a controller project without the need for customized graphics, such as background images or floor plans. This visual structure is then used by the **Manager** application or **Clipsal C-Bus Manager** to help provide front-end control through a desktop or smart phone respectively:



Introduction: Custom Visualisation

The Controllers also support a customisable visualisation interface that can be accessed on:

- Computer/Laptop
- Tablet/iPad
- Appropriate Smart Phone

This provides the end user with a visual medium to:

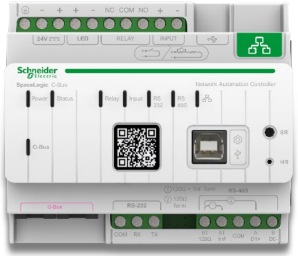
- Control their C-Bus lighting through assorted control icons
- Trigger different scenes from a single control icon
- View live readings from connected meters such as Power consumption
- View created trend logs and/or schedules
- Execute emergency and exit light testing and reporting (**5500NAC2** only)

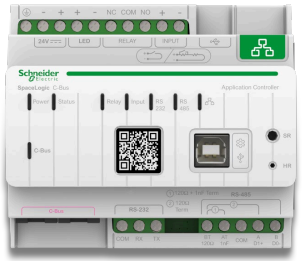




Introduction: Custom Visualisation

The custom visualisation of a controller project can be accessed through unique URL's based on that controller's IP Address; for example, if a controller had an IP Address of **192.168.0.30**, its custom visualisations can be accessed using the following URL's:





192.168.0.30/scada-vis



192.168.0.30/scada-vis/touch



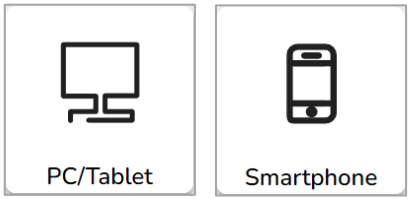
Introduction: Manager Config vs Custom Visualisation

The Manager application and Custom Visualisation each have their dedicated purposes and advantages:



Manager Application

- Pre-defined icons for control of loads using C-Bus, including fans, shutters and lighting
- Native support for using Timers with C-Bus Group Addresses
- Suited for simple Residential uses that do not require customised user interfaces



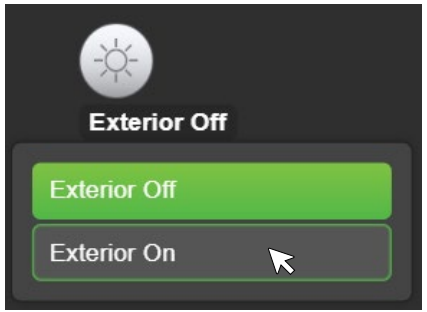
Custom Visualisation

- Can use personalised icons, buttons, images and layouts for customised user interfaces
- Native support for emergency & exit light testing (5500NAC & 5500NAC2 only)
- Native support to display trend log information
- Visualisation structure is automatically created for a connected smart phone

Existing Custom Visualisation Sites

Scenarios may arise where a customer may want to control their site using the dedicated Clipsal C-Bus manager application whilst retaining a pre-established custom visualisation, which includes:

- Defined Layouts & Plans
- Dedicated control icons
- Customised Background Images, Icons & Layouts
- Customised control interfaces, such as sliders, circular sliders, icons or buttons





Existing Custom Visualisation Sites

The controller project has the following Plans, Layouts & Widgets*:

Plans

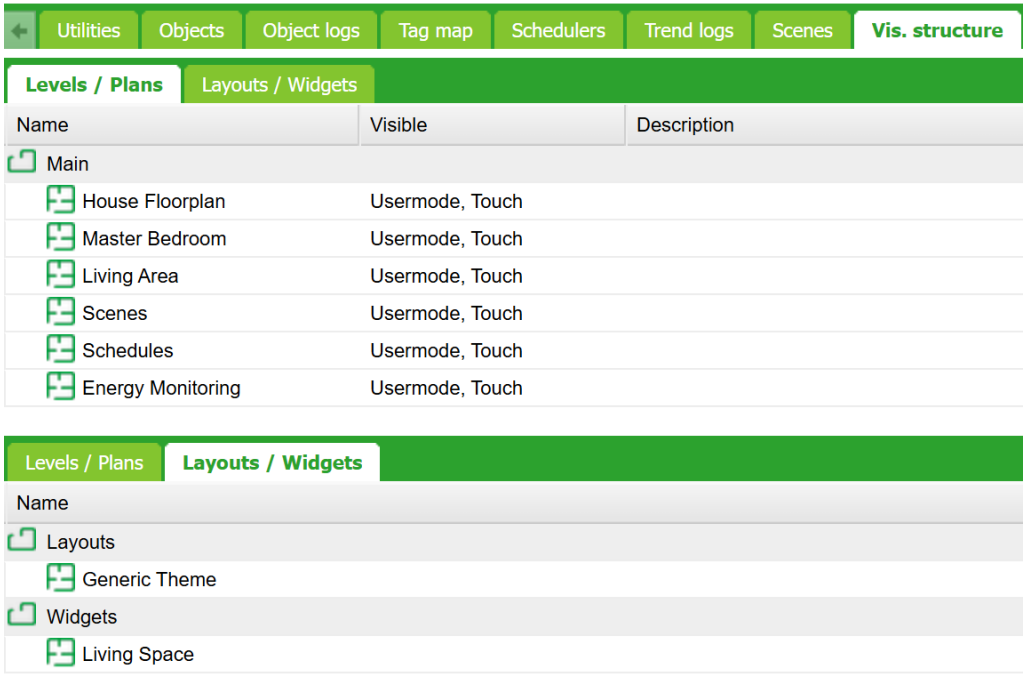
- House Floorplan
- Master Bedroom
- Living Area
- Scenes
- Schedules
- Energy Monitoring

Layouts

- Generic Theme

Widgets*

- Living Space



* The term Widget in this context refers to the **Widgets** that are added in the custom visualisation **and not the Manager Config**

Existing Custom Visualisation Sites

Each plan has various elements (primarily objects) giving control of different C-Bus objects:

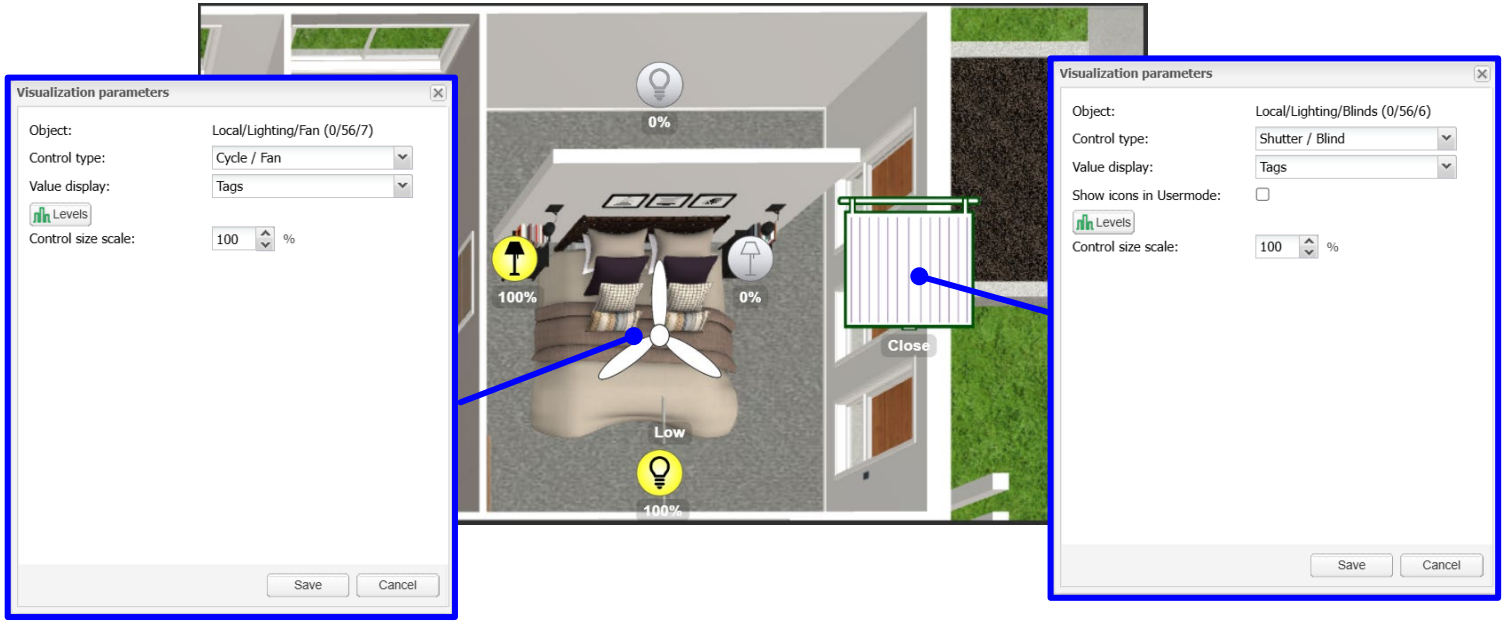
House Floorplan



Existing Custom Visualisation Sites

Each plan has various elements (primarily objects) giving control of different C-Bus objects:

Master Bedroom



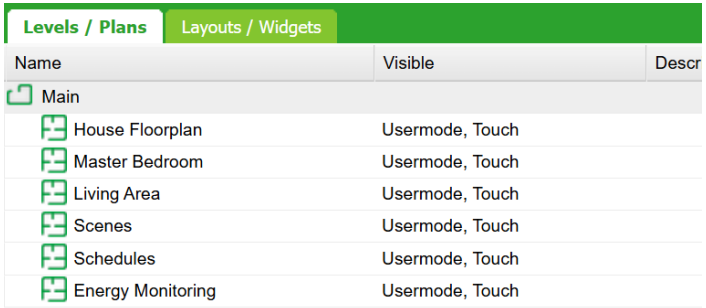
Plans to Floors / Rooms

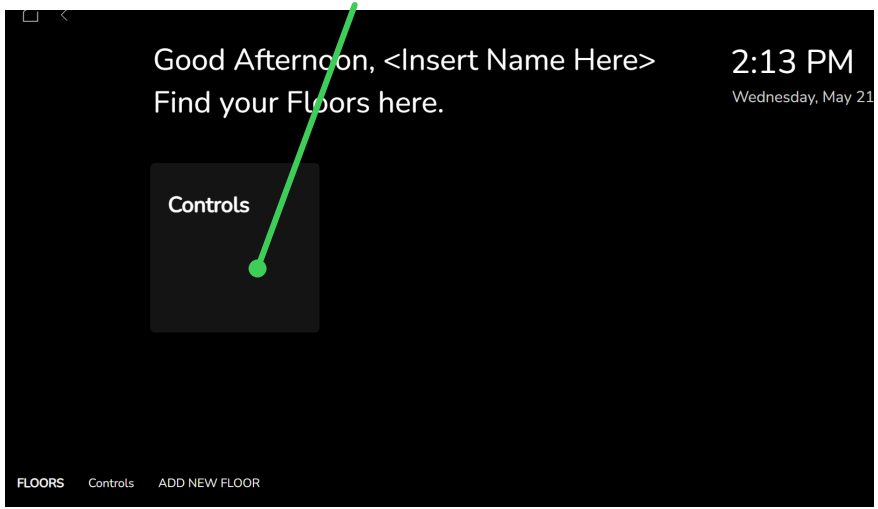
A version of this customer visualisation will now be created in the controller's Manager Config application, so that the end user can also use the Clipsal C-Bus manager application. This will commence with defining Floors & Rooms based on the project's visualisation plans:

Floors → In this example, the house is single story; therefore, only **1 Floor** (named **Controls***) needs to be created.

The following Plans will now be created as Rooms:

- Master Bedroom
- Living Area

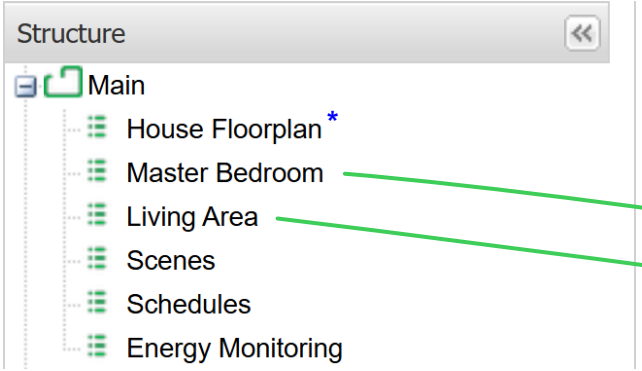


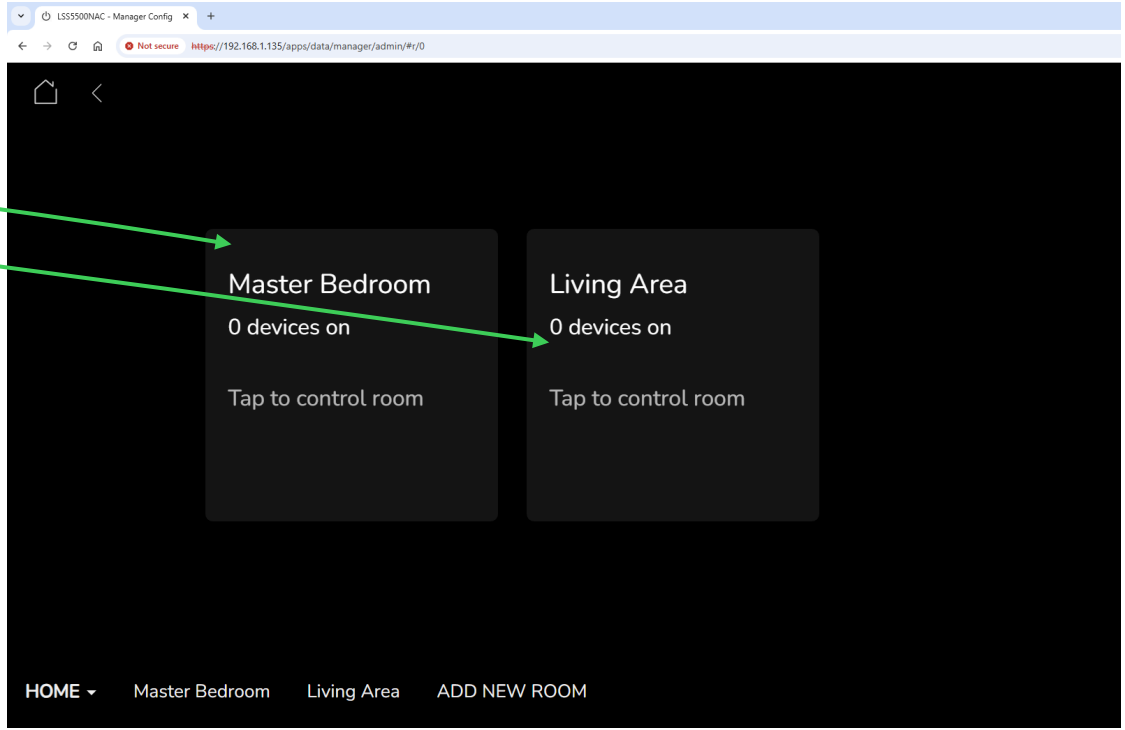


*The name of the floor **is not critical**, the Clipsal C-Bus Manager already supports a native tab called **Home** that displays all widgets, this will be highlighted in greater detail later in this document.

Plans to Floors / Rooms

The **Master Bedroom** and **Living Area** plans can be created as rooms:

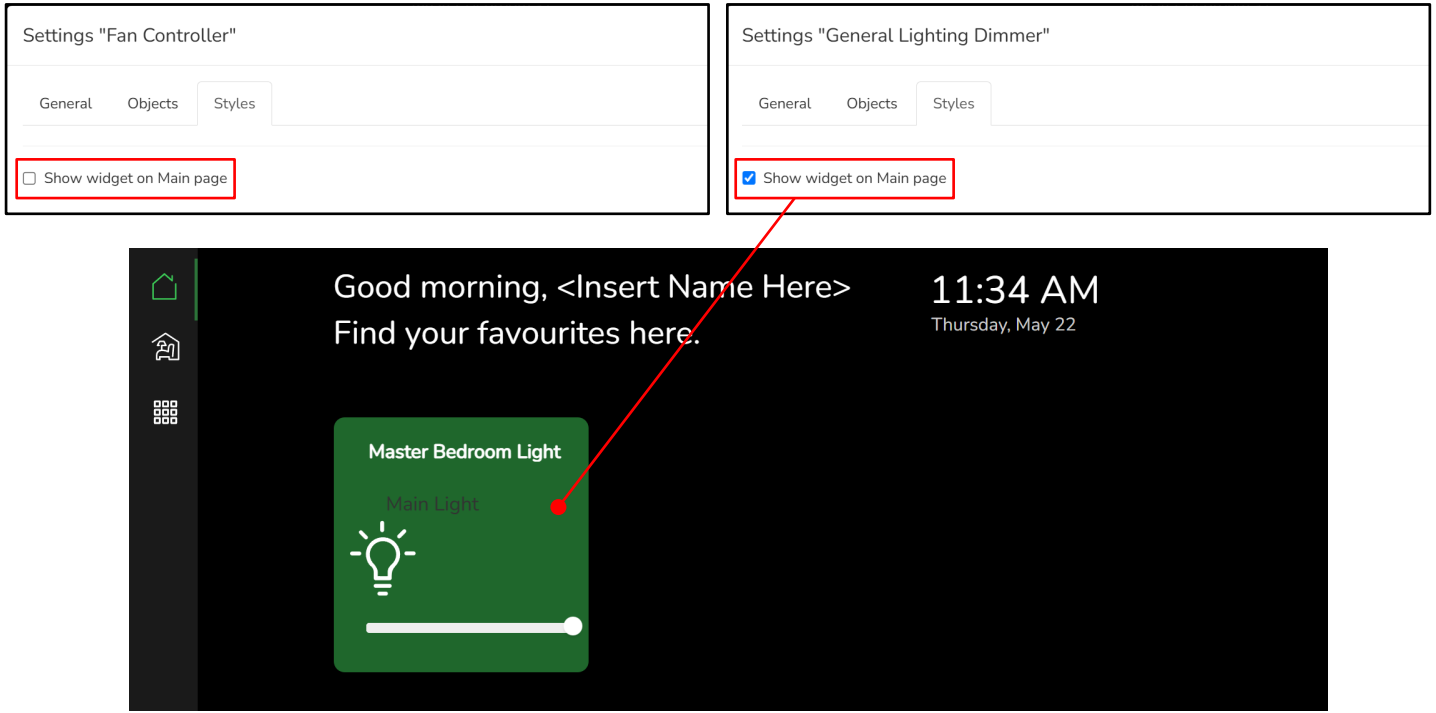




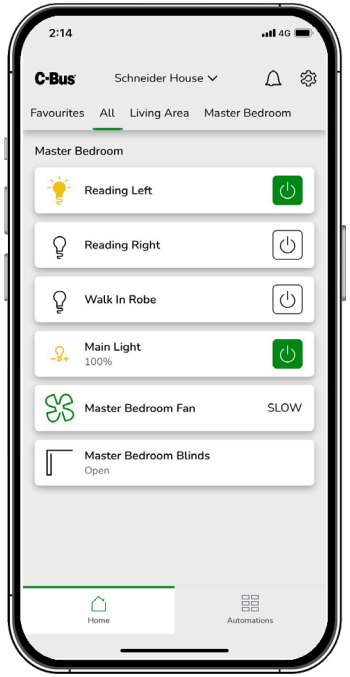
* The House Floorplan plan will be treated as the **Main Page** in the **Manager** application

Plans to Floors / Rooms

The **House Floorplan** plan will be treated as the **Main Page** in the **Manager** application, where widgets can be added by ticking the relevant checkbox when they are added:



Plans to Floors / Rooms



Home Page - All



Home Page - Favourites

An **important point to remember** is that the Clipsal C-Bus Manager does not have a defined **Main Page**, it has a **Home Page** displays **All** widgets, **Favourite** widgets, or widgets categorised by **Floors & Rooms**; therefore, it does not matter whether widgets have been set to display on the **Main Page** in the **Manager application**.

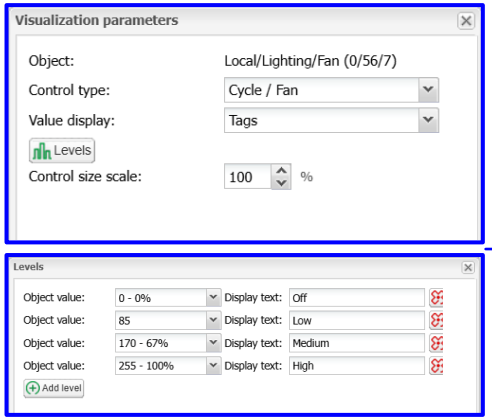
Objects to Widgets

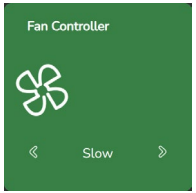
The **Master Bedroom** plan has the following elements:



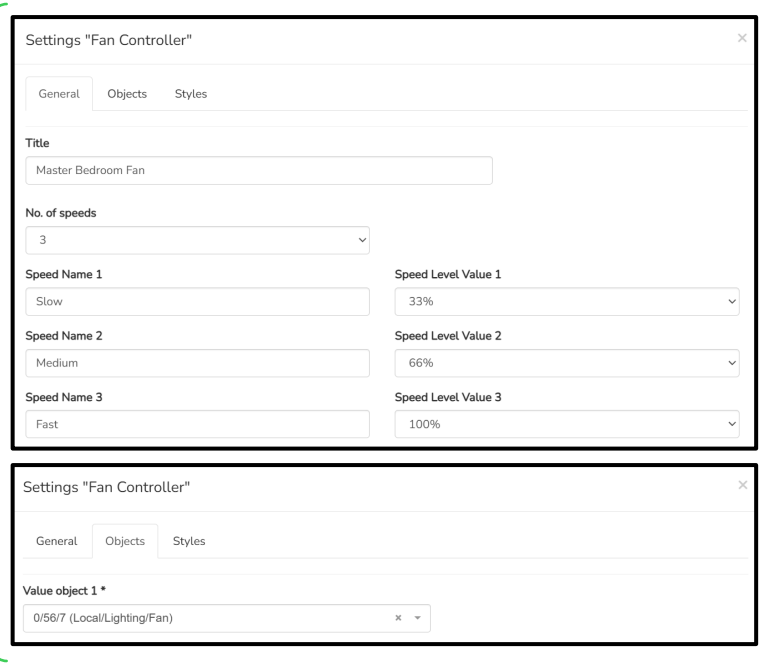
Objects to Widgets

The first objects/elements to be created as widgets will be the fan and blind icons*:





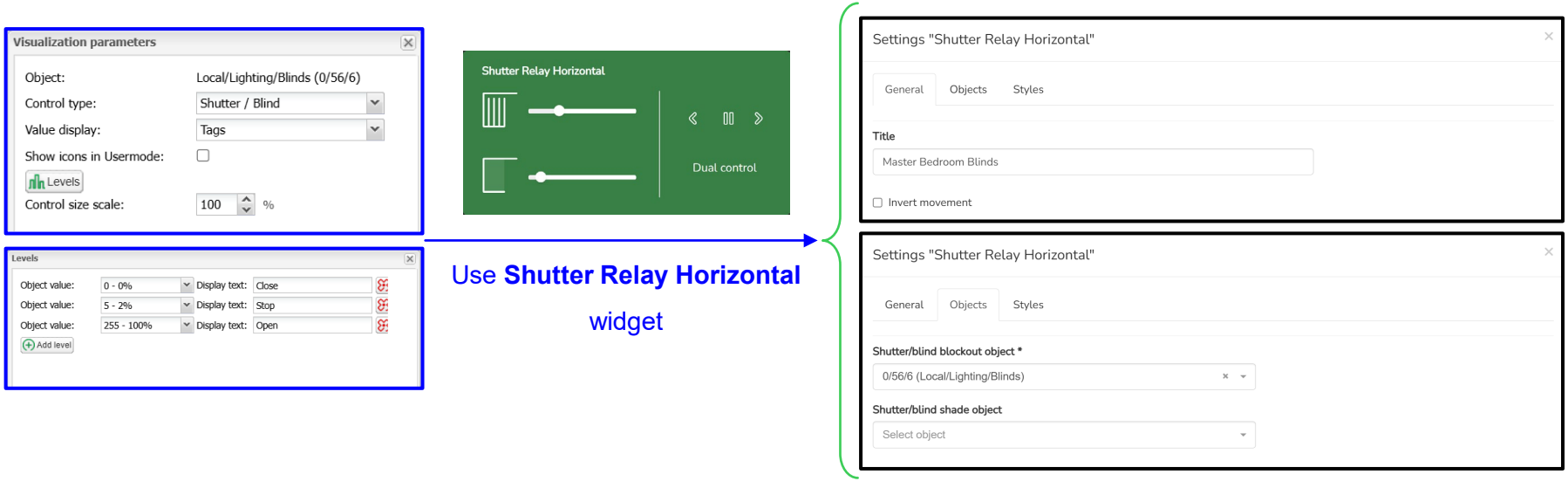
Use **Fan Controller** widget



*The recreation of objects/elements presented in this example have been done purely as recommendations. There is no **set formula** on this recreation process, it is subjective to **what level and manner of control the end user wants** in the Clipsal C-Bus Manager

Objects to Widgets

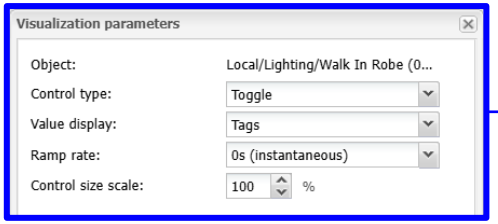
The first objects/elements to be created as widgets will be the fan and blind icons*:



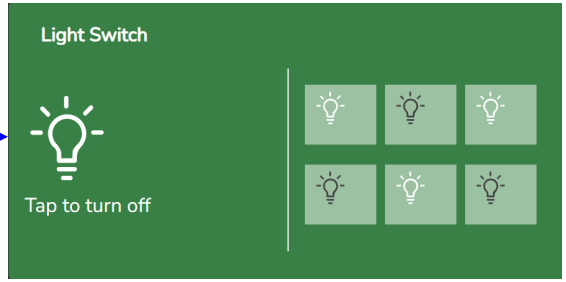
*The recreation of objects/elements presented in this example have been done purely as recommendations. There is no **set formula** on this recreation process, it is subjective to **what level and manner of control the end user wants** in the Clipsal C-Bus Manager

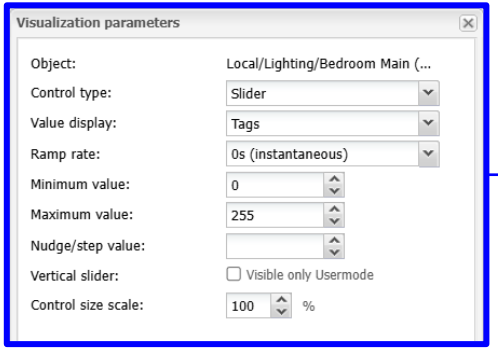
Objects to Widgets

The remaining objects/elements could be created using these possible widgets*:

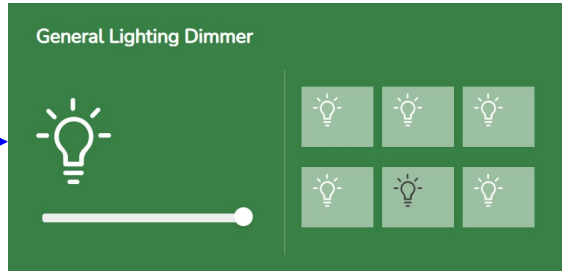


Objects with Toggle Control could be recreated as **Light Switch** widgets





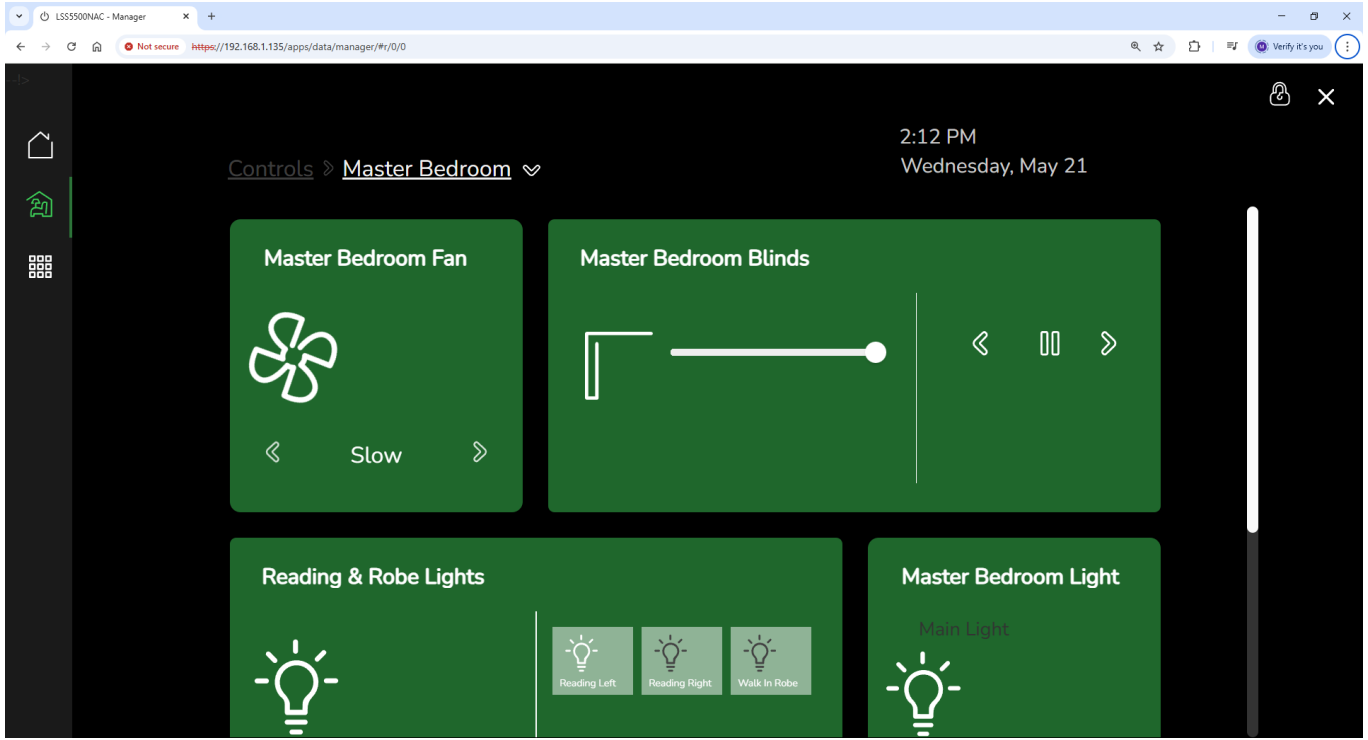
Objects with Slider / Circular Slider Control could be recreated as **General Lighting Dimmer** widgets



*The recreation of objects/elements presented in this example have been done purely as recommendations. There is no **set formula** on this recreation process, it is subjective to **what level and manner of control the end user wants** in the Clipsal C-Bus Manager

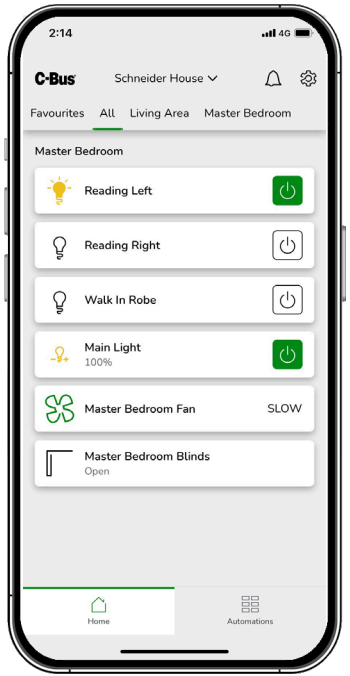
Objects to Widgets

The Master Bedroom will appear as the following in the **Manager** application:

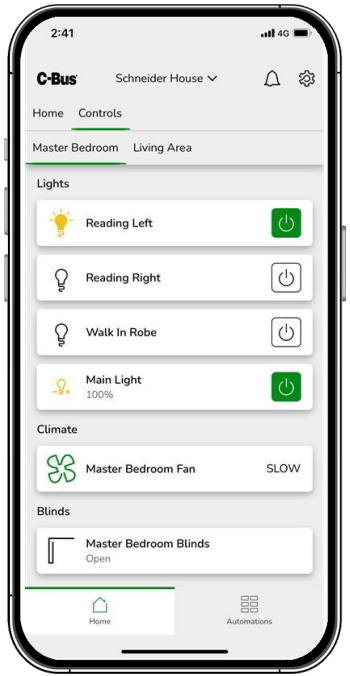


Objects to Widgets

The Master Bedroom will appear as the following in the **Clipsal C-Bus Manager** application:



Room view only



Floor & Room view

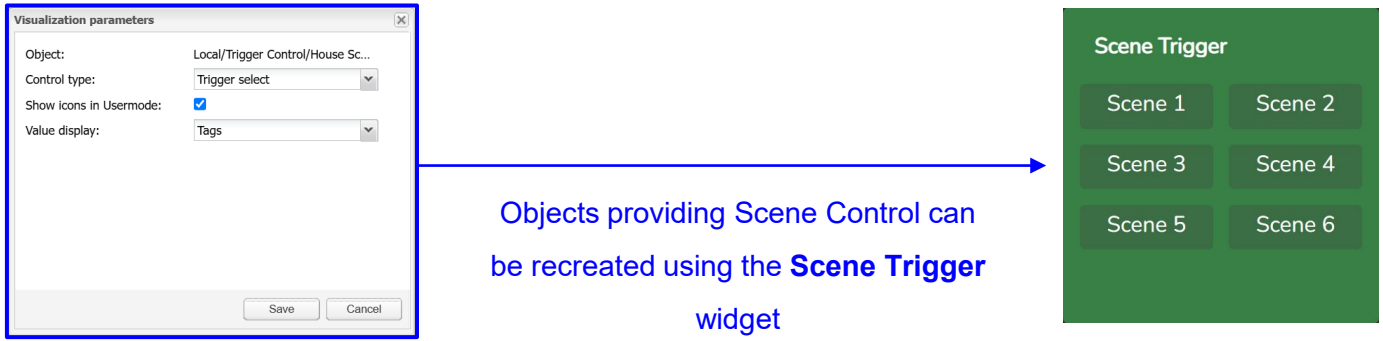
It was highlighted in an earlier page that the name of the floor/s are not as critical, especially for a single-story building.

The Clipsal C-Bus Manager Home Page can be configured to display **Floors & Rooms** or just **Rooms**; therefore, floor/s (including the name) you create in the Manager Config application may not even appear*.

*Design / Name the floor based on the requirements and preferences of your customer

Scenes

Objects/elements around scenes can be represented using the **Scene Trigger** widget:

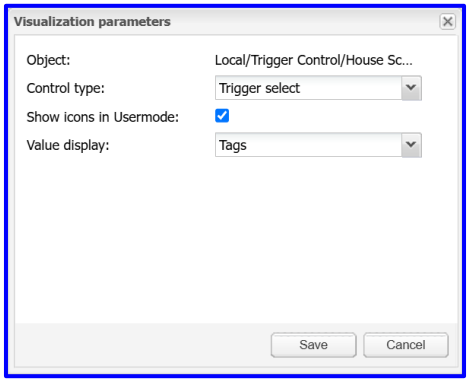


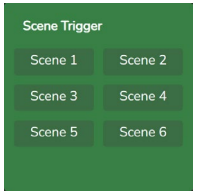
This will be demonstrated by recreating the **Scene** objects in the visualsation:

ID	Name	Group address	Action selector
1	Outside Lights On	Local/Trigger Control/Exterior Lights (0/202/0)	Exterior On (255 - 100%)
2	Outside Lights Off	Local/Trigger Control/Exterior Lights (0/202/0)	Exterior Off (0 - 0%)
3	Welcome Home	Local/Trigger Control/House Scenes (0/202/1)	Welcome (255 - 100%)
4	Goodbye	Local/Trigger Control/House Scenes (0/202/1)	Goodbye Demo (1)
5	Movie Night	Local/Trigger Control/House Scenes (0/202/1)	Movie Night (2 - 1%)

Scenes

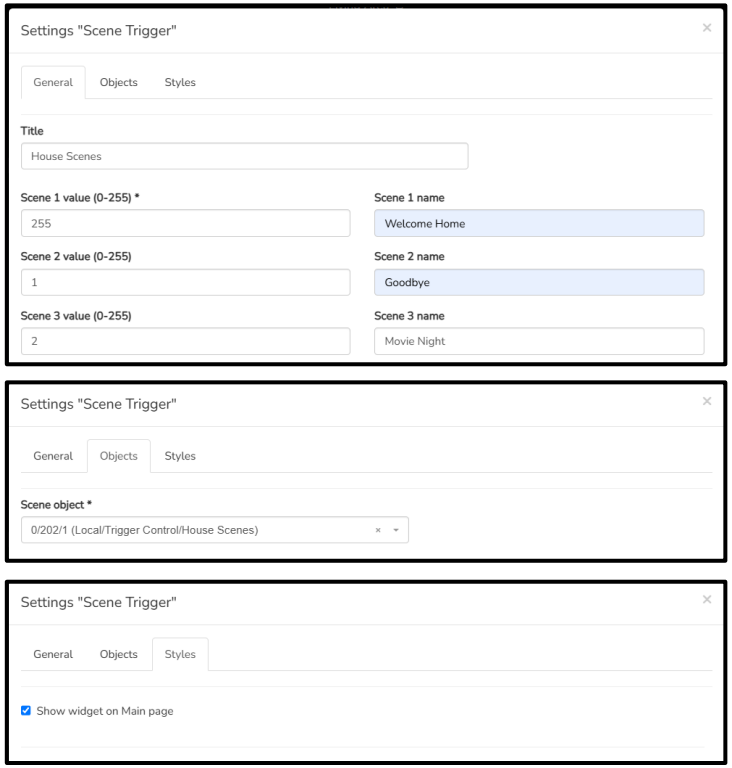
The **House Scenes** and **Exterior Light Scenes** objects/elements will be represented as **Scene Trigger** widgets:





Use **Scene Trigger** widget

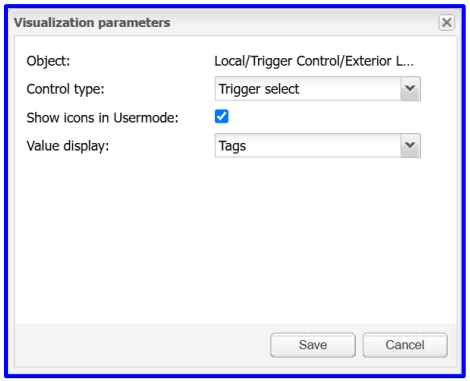
Welcome Home	Local/Trigger Control/House Scenes (0/202/1)
Goodbye	Local/Trigger Control/House Scenes (0/202/1)
Movie Night	Local/Trigger Control/House Scenes (0/202/1)

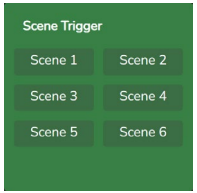


*In this example the **Scene Trigger** widget has been added to the **Living Area** room and made available on the **Main page**

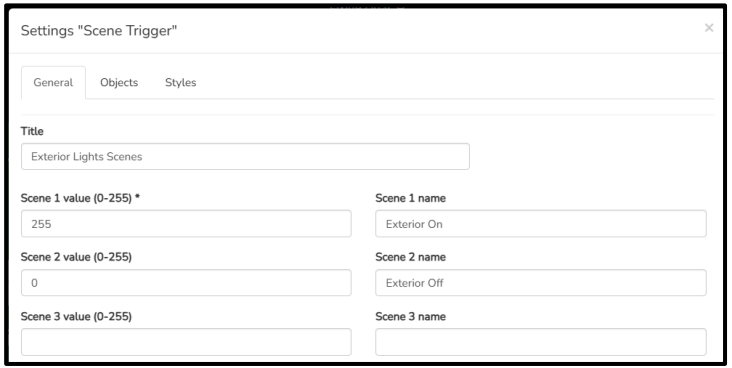
Scenes

The **House Scenes** and **Exterior Light Scenes** objects/elements will be represented as **Scene Trigger** widgets:





Use **Scene Trigger Widget**





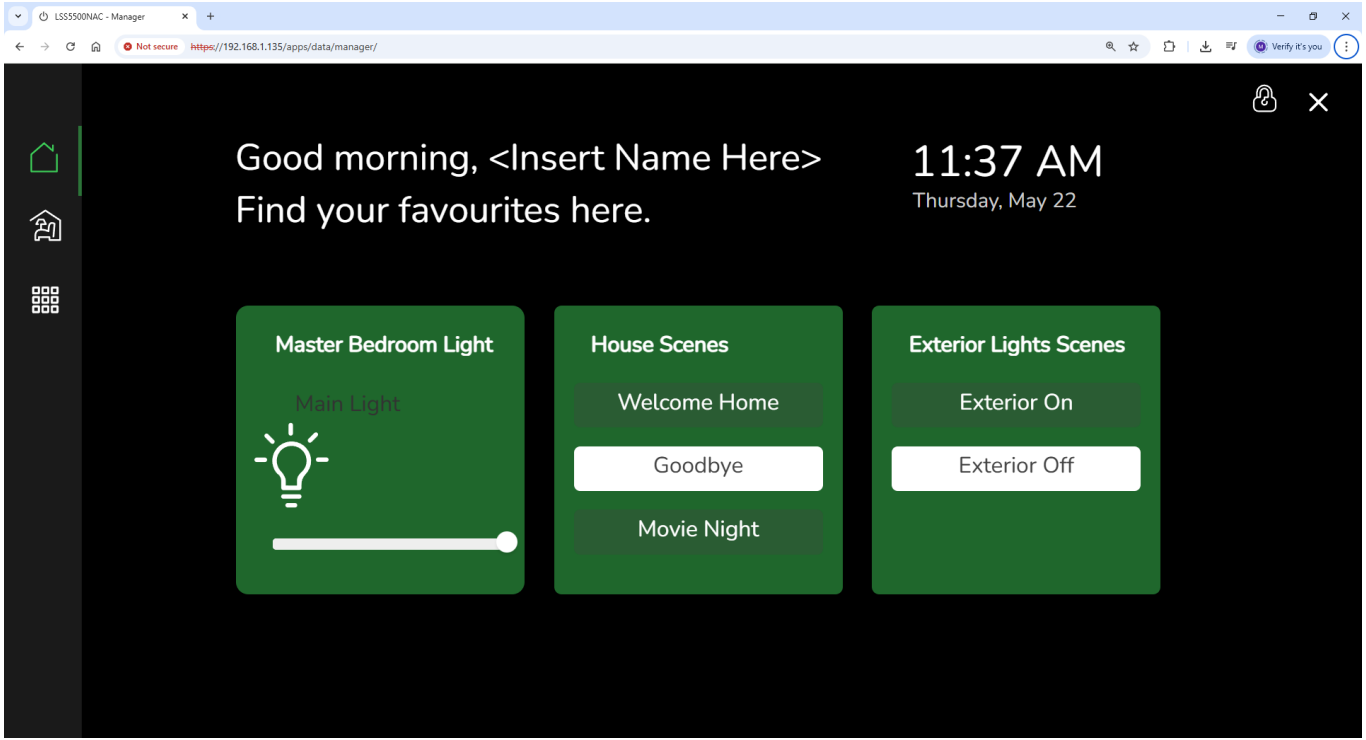


Outside Lights On	Local/Trigger Control/Exterior Lights (0/202/0)
Outside Lights Off	Local/Trigger Control/Exterior Lights (0/202/0)

*In this example the **Scene Trigger** widget has been added to the **Living Area** room and made available on the **Main page**

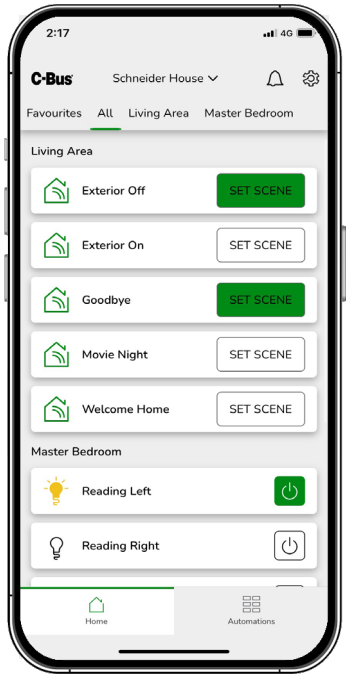
Scenes

The Scene control will appear as the following in the **Manager** application:

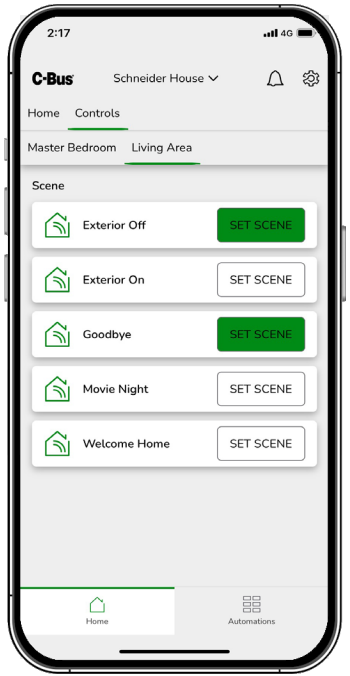


Transition: Scenes

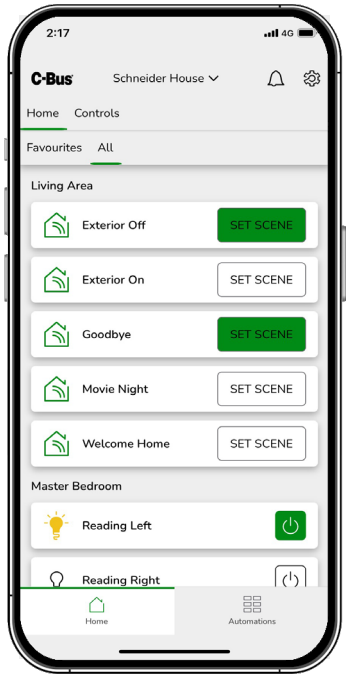
The Scene control will appear as the following in the **Clipsal C-Bus Manager** application:



Room view only



Floor & Room view



Floor & Room view

Final Project

The controller project, HOUSE_VisFinal.tar.gz is available in the zip file and contains the outcome of the steps outlined in this document, it can be restored using the password: **H0us3project**

The controller project still **retains** the existing custom visualisation; however, there are now additional options to control the project via the **Manager** application view or the dedicated Clipsal C-Bus Manager application.

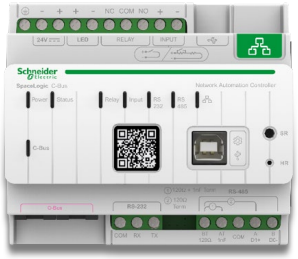
If this controller has an IP Address of **192.1.168.135**, the different control interfaces are as follows:

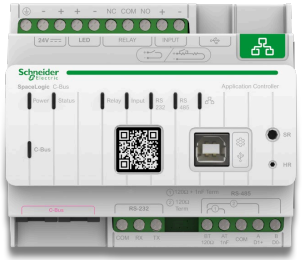
- Custom Visualisation for Tablet or Computers: 192.168.1.35/scada-vis
- Custom Visualisation for smart phones: 192.168.1.35/scada-vis/touch
- Manager application display for Tablet or Computers: 192.168.1.135/apps/data/manager
- Clipsal C-Bus Manager on smart phone → accessed through Clipsal C-Bus Manager account*

*The process of accessing a controller project through the Clipsal C-Bus Manager application is covered in another Quick start guide

Final Project

If this controller has an IP Address of **192.1.168.135**, the different control interfaces are as follows:





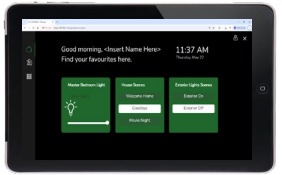
192.168.1.135/scada-vis



192.168.1.135/scada-vis/touch



192.168.1.135/apps/data/manager



Clipsal C-Bus Manager



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