Clipsal SILC

Clipsal SILC Lighting Control System

User Guide

This document describes the features and operation of the Clipsal SILC Lighting Control System.

CLSMM-WE | CLSSWG | CLSK12WF/CF | CLS1R5 | CLSPD

08/2015-SILC-UG-00



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All pertinent state, regional and local safety regulations must be observed when installing and using this product. For reasons of safety and to help ensure compliance with documented system data, only the manufacturer should perform repairs to components.

When devices are used for applications with technical safety requirements, the relevant instructions must be followed.

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Warnings

Read through the following instructions carefully and familiarise yourself with the Clipsal SILC Lighting Control System prior to operation. The warnings listed below can be found throughout the documentation and indicate potential risks and dangers or specific information that clarifies or simplifies a procedure.



The addition of this symbol to the ‘Danger’ or ‘Warning’ safety instructions indicates an electric danger that could result in serious injuries if the instructions are not followed.



This symbol represents a safety warning. It indicates a potential danger of personal injury. Follow all safety instructions with this symbol to avoid serious injuries or death.

DANGER

DANGER indicates an imminently hazardous situation that will inevitably result in serious or fatal injury if the instructions are not observed.

WARNING

WARNING indicates a possible danger that could result in death or serious injuries if it is not avoided.

CAUTION

CAUTION indicates a possible danger that could result in minor injuries if it is not avoided.

NOTICE

NOTICE provides information about procedures that do not represent the risk of any physical injury.

Further information



This symbol indicates useful information and tips about using your Clipsal SILC Lighting Control System.

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1 For your safety

DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Hazardous voltage may be present at the wire leads of this product.
- It is illegal for persons other than an appropriately licensed electrical contractors or other persons authorised by legislation to work on the fixed wiring of any electrical installation.
- To comply with all safety standards, the product must be used only for the purpose described in this instruction and must be installed in accordance with the wiring rules and regulation in the location where it is installed.
- There are no user-serviceable parts in your Clipsal SILC Lighting Control System.
- DO NOT ATTEMPT TO PERFORM ANY MAINTENANCE, ADDITIONS OR CHANGES to any part of your Clipsal SILC Lighting Control System, the fixed wiring or equipment wiring.
- Contact your builder, the installing electrician or another appropriately licensed electrical contractor for any maintenance, additions or changes to your Clipsal SILC Lighting Control System fixed wiring, equipment wiring and components.

Failure to follow these instructions will result in death or serious injury.

WARNING

POTENTIALLY HAZARDOUS ELECTRICAL COMPONENTS

- Your Clipsal SILC Lighting Control System includes potentially hazardous electrical components that may be present in your ceiling space.
- DO NOT TAMPER with any component of your Clipsal SILC Lighting Control System, the fixed wiring or equipment wiring.

Failure to follow these instructions can result in death or serious injury, or equipment damage.

1.1 Qualified personnel

In order to troubleshoot and maintain the Clipsal SILC Lighting Control System (the System), you must be an appropriately licenced electrical contractor or other person authorised by legislation to work on the fixed wiring of any electrical installation in the location where the System is installed.

1.2 Clipsal SILC components in your ceiling space

WARNING

POTENTIALLY HAZARDOUS ELECTRICAL COMPONENTS

- Your Clipsal SILC Lighting Control System includes potentially hazardous electrical components that may be present in your ceiling space.
- DO NOT TAMPER with any component of your Clipsal SILC Lighting Control System, the fixed wiring or equipment wiring.

Failure to follow these instructions can result in death or serious injury, or equipment damage.

2 Getting to know your Clipsal SILC Lighting Control System

2.1 Welcome

Thank you for choosing a Clipsal SILC Lighting Control System to meet your home lighting control needs.

Your Clipsal SILC Lighting Control System is simple to operate and can be controlled from a compatible tablet or smart phone, if desired.

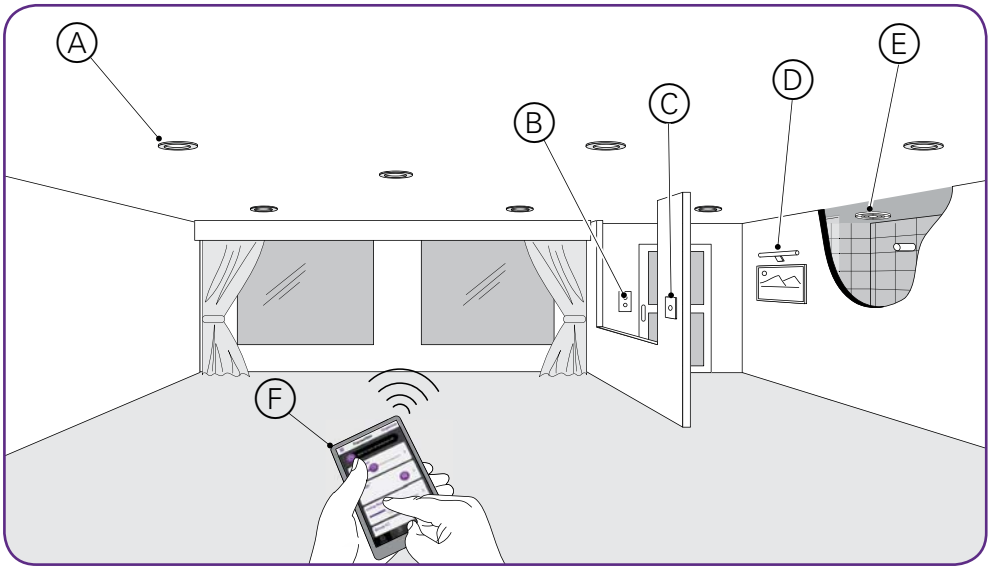
2.2 Key features

Appearance	Elegant design
Operation	Simple push button operation
Dimming	Control the brightness of SILC down lights in a room (e.g. lounge room) via any push button in the room Control the brightness of any SILC down light, regardless of room or location, via an App and compatible tablet or smart phone
Master Off switch	Turn all SILC down lights and relay-connected devices in your Clipsal SILC System off with a single press of a button when you leave your home
Remote Control via App while in your home	Control your SILC down lights and relay-connected devices using a compatible tablet or smart phone: – Take control of individual SILC down lights and relay-connected devices, regardless of their room (e.g. Living Room, Hallway, Bedroom) – Create custom switches that can include any SILC down light or relay-connected device in your Clipsal SILC System

2.3 Things you can do with your Clipsal SILC Lighting Control System

Desired Action	See this section of the User Guide
Switch a room of SILC down lights / relay-connected devices ON or OFF (e.g. Turn on the bathroom lights and exhaust fan)	‘Switching lights on and off’ on page 11
Adjust the brightness of SILC down lights in a room (e.g. dim the lights in a TV room)	‘Adjusting the brightness of SILC down lights (dimming)’ on page 12
Switch all SILC down lights and relay-connected devices OFF with a single press of a button (e.g. When leaving your home)	‘Switching all lights off (Master Off)’ on page 13
Control a room of SILC down lights / relay-connected devices (e.g. Bedroom) using a compatible tablet or smart phone	‘The Clipsal SILC Application’ on page 14
Control individual SILC down lights / relay-connected devices, regardless of their room or location, using a compatible tablet or smart phone	‘The slide-out menu’ on page 18
Create Virtual Switches to control one or more SILC down lights / relay-connected devices, regardless of their room or location	‘Virtual Switches’ on page 24

2.4 Clipsal SILC System components



Ⓐ SILC down light
Ⓑ Master Off switch
Ⓒ Push button
Ⓓ Relay-connected device (example: picture light)
Ⓔ Relay-connected device (example: bathroom exhaust fan)
Ⓕ Clipsal SILC Application to control SILC down lights and relay-connected devices via a compatible tablet or smart phone (tablet / smart phone not supplied with Clipsal SILC System)

Additional information:

- Only SILC down lights can be dimmed or brightened using the Clipsal SILC System (either via push button or by using the Clipsal SILC Application).
- Relay-connected devices can only be switched on and off.
- Your Clipsal SILC System includes a Wireless Gateway Unit that must be connected to your home network before you can use the Clipsal SILC Application. See ‘Controlling your lights with a tablet or smart phone’ on page 14.

2.5 Planned feature enhancements

Clipsal is planning some great features to enhance your user experience.

Scenes

With the upcoming ‘Scenes’ feature, you will be able to set and save lighting levels in the Clipsal SILC Application, and recall them at the touch of an icon.

Example

Set your TV room lighting to low or off, with one light at half-brightness so you can read, find the TV remote control or light an exit point.

Feature enhancements are delivered via Application updates. The application manager in your tablet or smart phone will provide a notification when there is an update to the Clipsal SILC Application.

3 Operating your SILC down lights and relay-connected devices

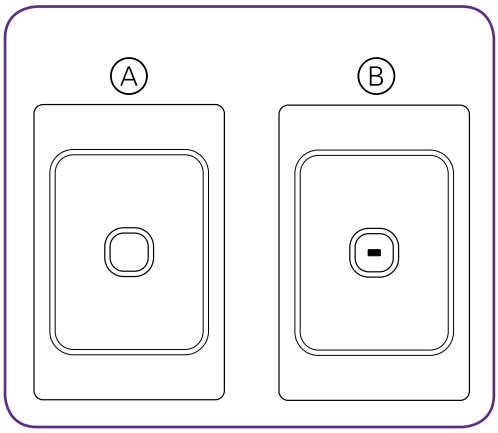
3.1 Identifying push buttons and Master Off switches

2000 / 2000C Series push buttons

Ⓐ Regular push button
(e.g. room lighting control)

Ⓑ Master Off switch
(turn all SILC down lights and relay-connected devices off)

The Master Off switch LED illuminates green momentarily when the switch is pressed.



Saturn™ / Saturn Zen™ push buttons

Ⓐ Saturn™ push button
(e.g. room lighting control)

Ⓑ Saturn™ ‘ganged’ push buttons
(e.g. hallway lights / Master Off)

Ⓒ Unmarked Master Off switch

Ⓓ Saturn Zen™ ‘ganged’ push buttons
(e.g. hallway lights / Master Off)

Ⓔ Unmarked Master Off switch

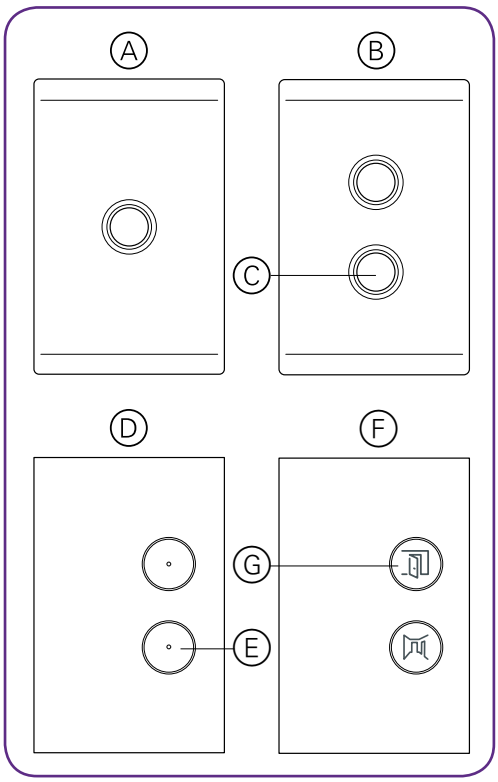
Ⓕ Saturn Zen™ ‘ganged’ push buttons with optional icons
(e.g. Master Off / hallway lights)

Ⓖ Marked Master Off switch

Please note:

Your push button and Master Off switches may look different to the examples shown here.

If your Master Off switches are not clearly marked, ask your System Installer to identify them for you.



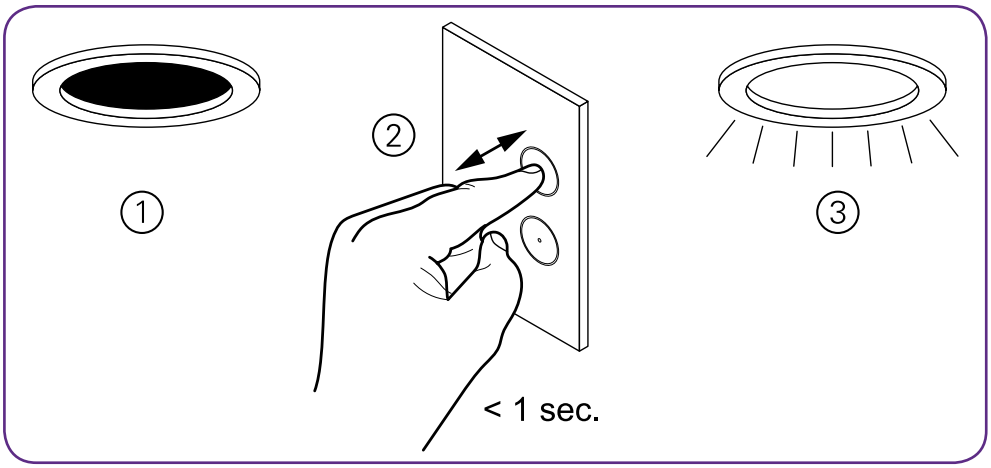
Other push button models

Different push button models may have been supplied with your Clipsal SILC Lighting Control System.

If your Master Off switches are not clearly marked, ask your System Installer to identify them for you.

3.2 Switching lights on and off

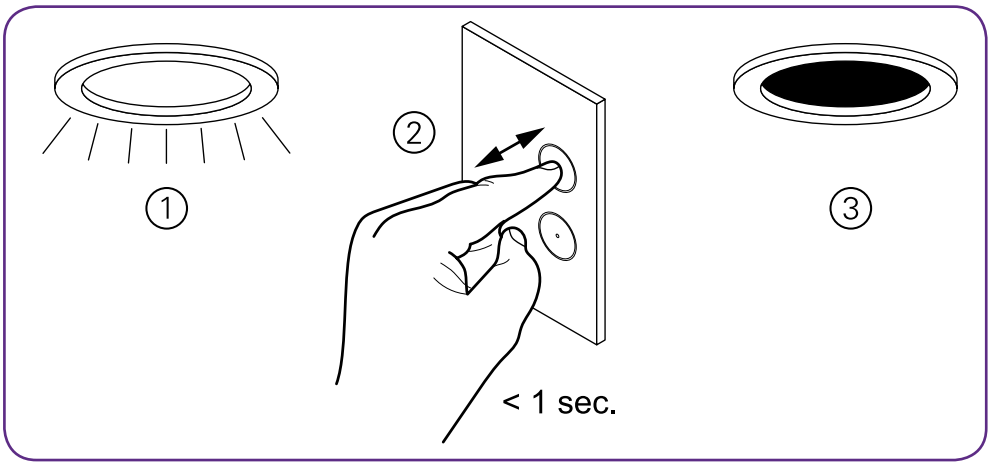
Switch lights on



① Lights in the room are OFF.
② Short press a push button in the room (not a Master Off switch).
③ The lights in the room switch ON.

Relay-connected devices (e.g. pendant lights, exhaust fans) in the room also switch on.

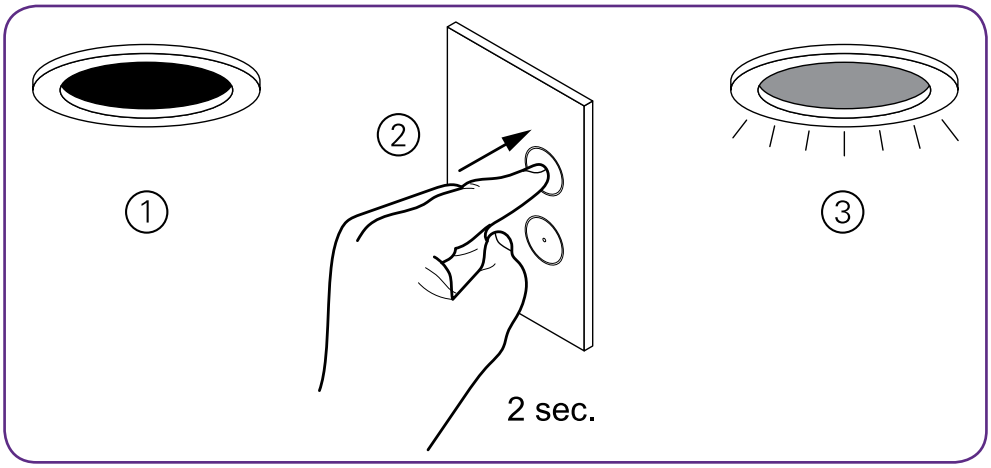
Switch lights off



① Lights in the room are ON.
② Short press a push button (not a Master Off switch).
③ The lights in the room switch OFF.

Relay-connected devices (e.g. pendant lights, exhaust fans) in the room also switch off.

Switch lights on at minimum brightness (lowest light)

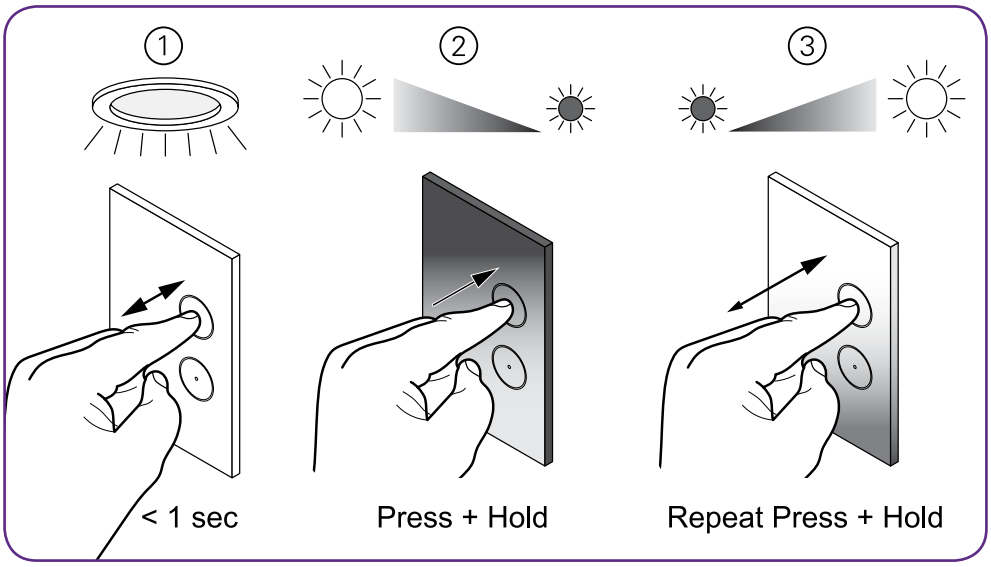


① Lights in the room are OFF.
② Press and hold a push button in the room for 2 seconds (not a Master Off switch).
③ The SILC down lights in the room switch ON at minimum level.

Any relay-connected devices in the room also switch on. Relay-connected lights in the room switch on at their normal brightness level.

3.3 Adjusting the brightness of SILC down lights (dimming)

Dim / brighten SILC down lights



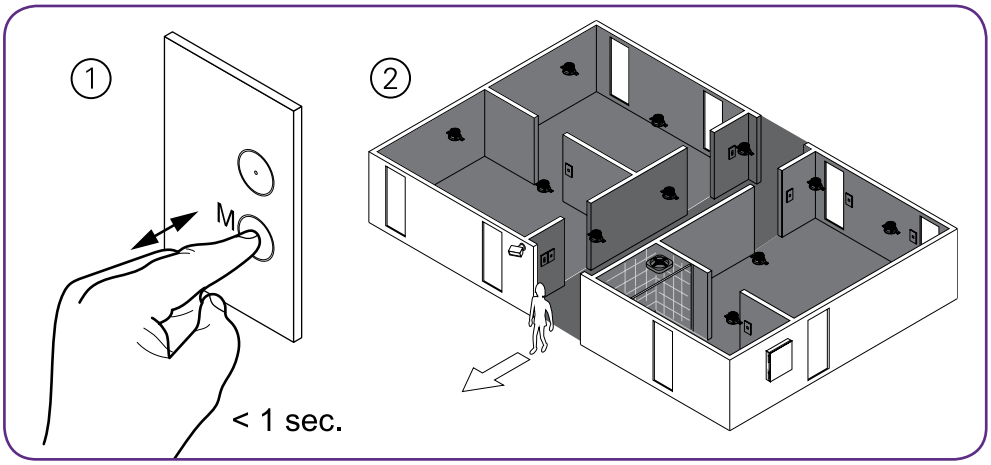
① If the desired room lights are off, switch them on. (See ‘Switch lights on’ on page 11.)
② Press and hold a push button in the room (not a Master Off switch). The SILC down lights in the room gradually dim. Relay-connected lights do not dim.
③ Release the push button, then press and hold again to gradually brighten the SILC down lights in the room. Relay-connected lights do not brighten.
④ Release the push button when the lights have reached the desired brightness.

After turning a light on, the first press-and-hold action always dims the SILC down lights. Release the push button, then press and hold again to brighten the SILC down lights.

Release the push button within 25 seconds to avoid placing your Clipsal SILC System into Setup mode.

Relay-connected devices are unaffected by dimmer operation.

3.4 Switching all lights off (Master Off)



① Short press a Master Off switch (not a regular push button).
② All SILC down lights and relay-connected devices in your Clipsal SILC System switch OFF.

If your Master Off switches are not clearly marked, ask your System Installer to identify them for you.

4 Controlling your lights with a tablet or smart phone

4.1 The Clipsal SILC Application

With the Clipsal SILC Application, you can:

- connect the Clipsal SILC Lighting Control System to your home network
- control the SILC down lights and relay-connected devices, either by room (e.g. bedroom, hallway), a virtual switch group or individually.

You can download the Clipsal SILC Application from the Google Play™ store (Android™ platform) or the App Store (iOS).

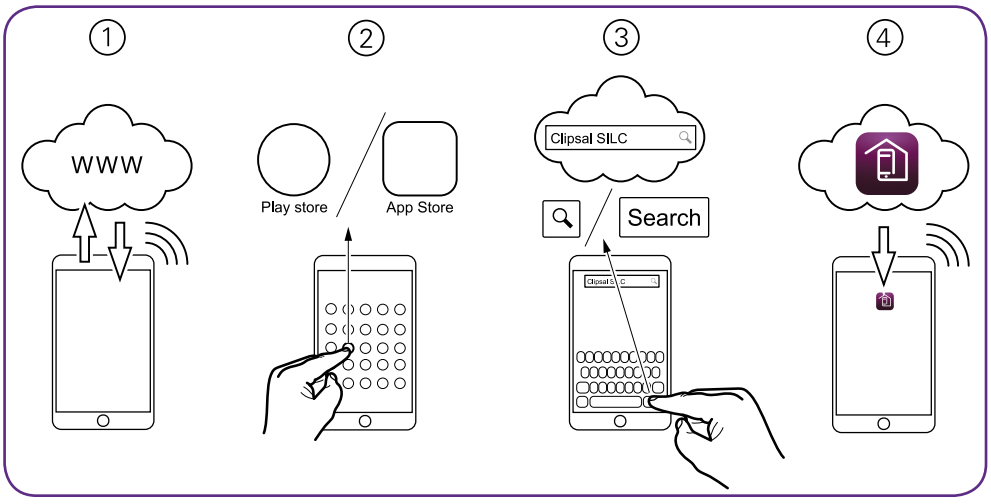
You must have a Google™ account (Android™ platform) or an Apple ID (iOS) in order to download the Application.

4.2 Installing the Clipsal SILC Application

Tablet or smart phone requirements

Operating System	Hardware
Apple iOS 7 or later	– iPhone 4S or later – iPad 3 or later
Android™ platform – Versions 4.1, 4.2, 4.3 (Jellybean) – Version 4.4 (KitKat) – Versions 5.0, 5.1 (Lollipop)	Any tablet or smart phone with: – IEEE 802.11 b/g/n Wi-Fi capability, and – One of the Android™ versions listed on the left installed on the device

Installing the Application



① Connect your device to the Internet.

Refer to the Internet connection instructions supplied with your device.

② On your device home screen, tap the Google Play™ store icon (Android™ platform) or App Store icon (iOS).

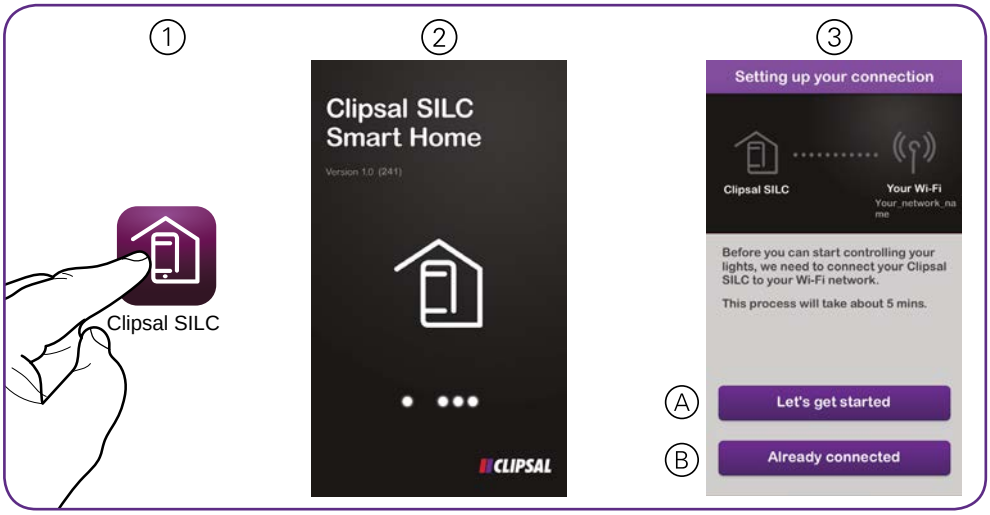
③ In the Google Play™ store or the App Store, search for **Clipsal SILC**.

④ Download the Clipsal SILC Application to your tablet or smart phone.

4.3 Connecting the Clipsal SILC Lighting Control System to your home network

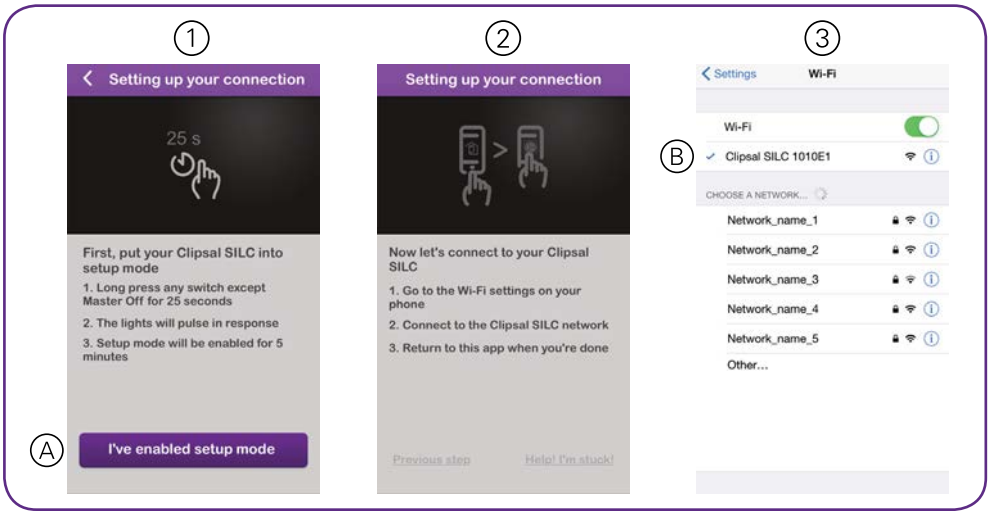
Before starting this process, ensure that no tablets or smart phones are connected to your Clipsal SILC Lighting Control System. (Check the Wi-Fi settings on each device and ensure that the 'Clipsal SILC...' network is not the active connection.)

Start the Clipsal SILC Application



① Tap the Clipsal SILC Application icon on your device home screen.
② Wait while the Application loads and connection screen is displayed.
③ Either: Ⓐ Tap the 'Let's get started' button to start connecting the Clipsal SILC System to your home network, or Ⓑ Tap the 'Already connected' button and skip to the section 'Personalising your Clipsal SILC Application' on page 17.

Connect your tablet or smart phone to the Clipsal SILC Lighting Control System

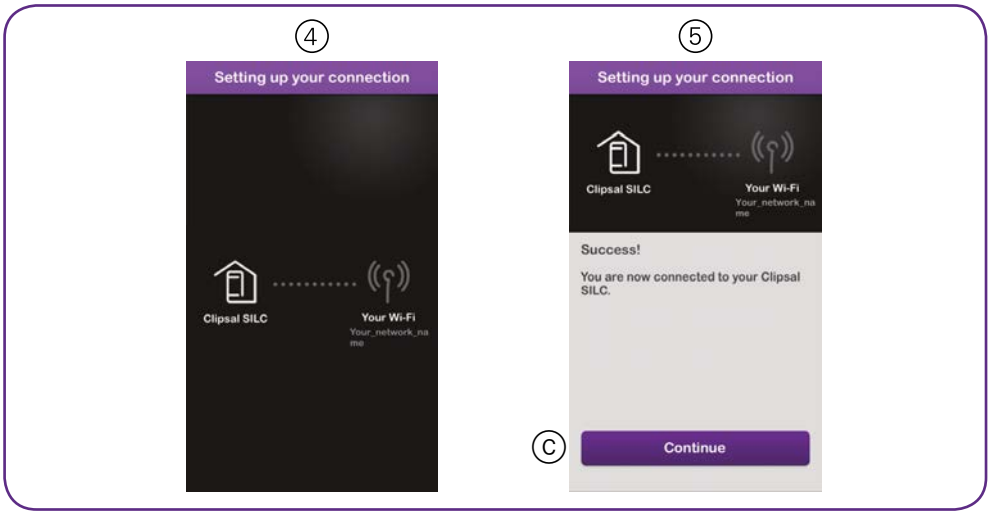


① Follow the on-screen instructions to place your Clipsal SILC System in setup mode.

After 25 seconds, the lights connected to the push button switch will flash three times. Release the push button switch after the third flash, then tap the 'I've enabled setup mode' button Ⓐ.

② (iOS only) Follow the on-screen instructions to connect your tablet or smart phone to the Clipsal SILC System.

③ (iOS Wi-Fi settings shown) In your tablet or smart phone Wi-Fi settings, select the Clipsal SILC access point Ⓑ.

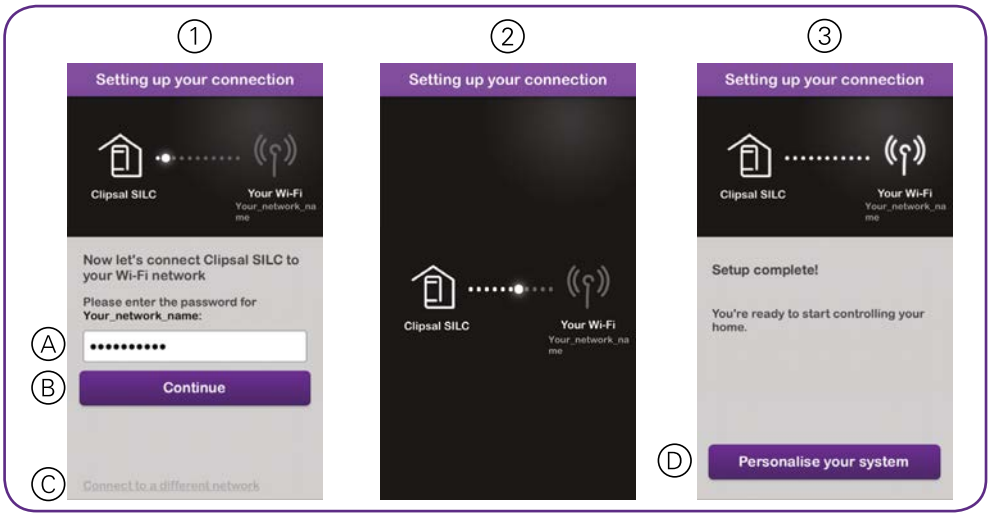


④ Wait while your tablet or smart phone is connected to the Clipsal SILC System.

⑤ When the 'Success!' screen is displayed, tap the 'Continue' button Ⓒ to proceed with connecting the Clipsal SILC System to your home network.

Connect the Clipsal SILC Lighting Control System to your home network

(This step continues from the previous section)



① When the password screen is displayed, either:

- type your home network password into the password field Ⓐ, then tap the 'Continue' button Ⓑ, or
- tap 'Connect to a different network' Ⓒ, select an available network from the displayed list, then return to the password screen and type in the network password.

② Wait while the Clipsal SILC Lighting Control System is connected to your home network.

③ When the 'Setup complete!' screen is displayed, tap the 'Personalise your system' button Ⓓ to customise your switch groups.

4.4 Personalising your Clipsal SILC Application

How tablets and smart phones display the Application

Tablet	Smart Phone
Displays in portrait or landscape	Displays in portrait only
Displays more controls per-screen	Displays fewer controls per-screen
User experience is identical to smart phone*	User experience is identical to tablet*

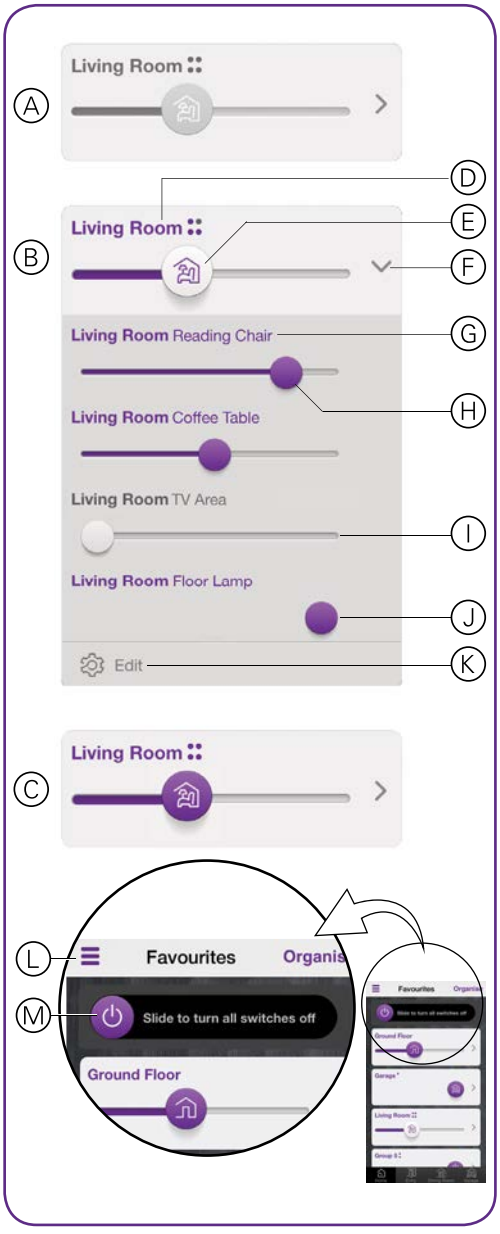
* There are slight differences between the Android™ platform and iOS due to the way in which each operating system works. Any instructions affected by these differences are marked with the heading 'Android™ platform' or 'iOS' as applicable.

Controls and indicators used in the Clipsal SILC Application

The Clipsal SILC Application displays controls as 'switches' and 'devices'.

A switch represents a room of SILC down lights and relay-connected devices in the Clipsal SILC System, such as 'Master Bedroom', 'Hallway' or 'Bathroom'. When you first use the App, the switches are named 'Group 0', 'Group 1', and so on—you can change these names if you wish.

A device represents a single SILC down light or relay-connected device within the room. A SILC down light device includes a slider control for adjusting brightness. A relay-connected device has a button only (no dimming of relay-connected lights via the Clipsal SILC System).



Ⓐ Switch, showing all devices off.

Ⓑ Switch (with devices displayed), showing some SILC down lights and relay-connected devices on, some SILC down lights with different brightness levels.

Ⓒ Switch, showing all devices on.

Ⓓ Switch name. Dots indicate number of devices and on/off status. (Dots are not displayed on Virtual Switches.)

Ⓔ White button / purple icon indicates devices have varying status (e.g. brightness level, on/off).

Ⓕ View / Hide switch devices.

Ⓖ Individual device name.

Ⓗ Slider control (SILC down lights only). Tap button to turn light on/off, slide button left or right while light is switched on to dim or brighten.

Ⓘ SILC down light off. Tap button to turn light on. (Slider control inactive when off.)

Ⓙ Relay-connected device (no slider control). Tap button to turn device on/off (purple when on, grey when off).

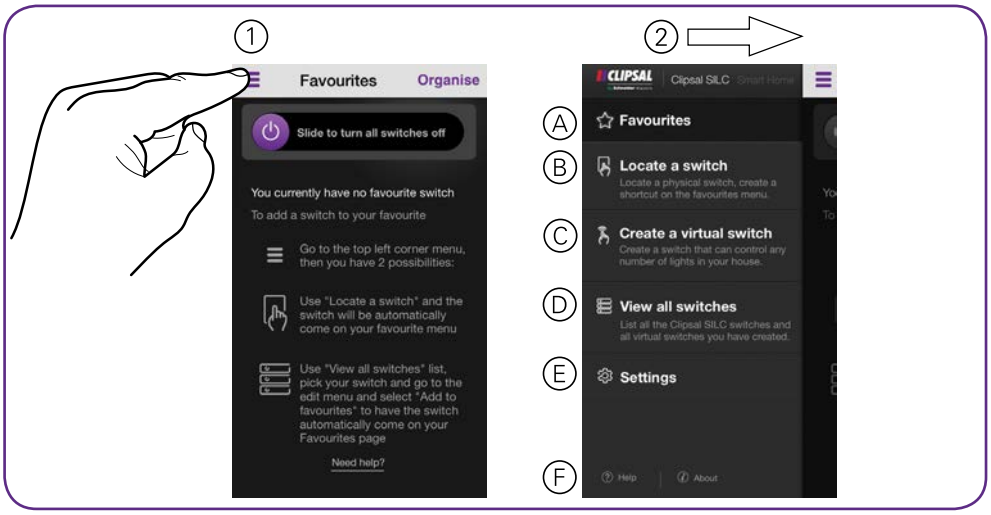
Ⓚ 'Edit' icon. Tap to set switch / device names and the switch icon.

Ⓛ Slide-out menu icon. Tap to view the slide-out menu where you can select from 'Favourites', 'Locate a Switch', 'Create a Virtual Switch', 'View all Switches' or 'Settings'.

Ⓜ An App version of a Master Off switch, available on the Favourites 'Home' page only.

The slide-out menu

The slide-out menu gives you access to the main functions of the Clipsal SILC Application.



① Tap the ☰ icon in the top-left corner of a Clipsal SILC Application screen (where available).

② The slide-out menu appears. Tap a function to display it:

Ⓐ 'Favourites'
- A place to store switches you use most often
- See 'Favourites' on page 20

Ⓑ 'Locate a switch'
- An easy way to add switches to Favourites
- See 'Rename a switch or device by locating it' on page 19 and 'Adding a switch to Favourites' on page 20

Ⓒ 'Create a virtual switch'
- Control one or more switches/devices regardless of location
- See 'Virtual Switches' on page 24

Ⓓ 'View all switches'
- See every switch and device in your Clipsal SILC System
- See 'Viewing all switches' on page 26

Ⓔ 'Settings'
- Set an Admin passcode or reset your Clipsal SILC System
- See 'Application settings' on page 27

Ⓕ 'Help' and 'About'
- Tap 'Help' to view built-in help
- See 'Accessing the built-in help' on page 27
- Tap 'About' to see version information about the App and your Clipsal SILC System Wireless Gateway Unit)
- See 'The 'About' screen' on page 27.

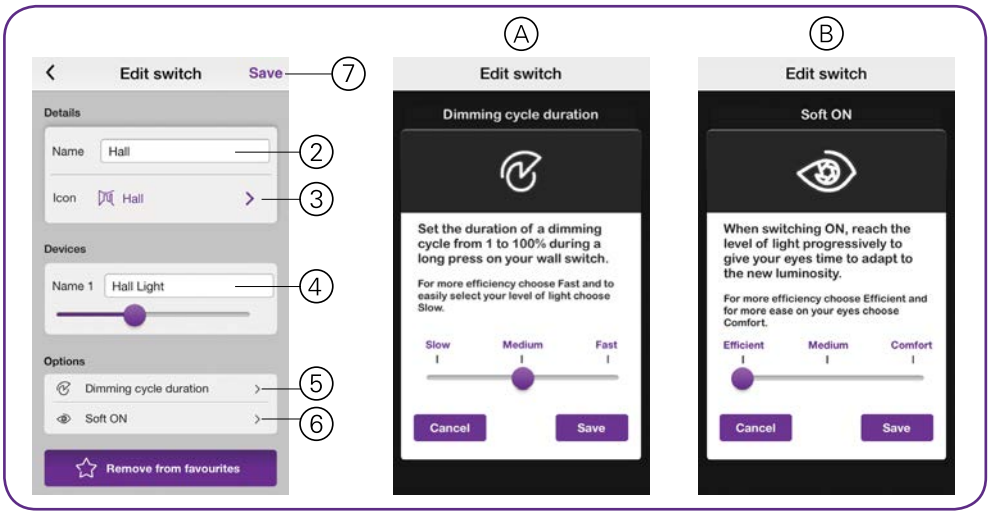
Renaming switches and devices

When you first use your Clipsal SILC Application, the switches and devices are named ‘Group 0’, ‘Group 1’, ‘Device 1’, Device 2’ and so on.

Rename the switches and devices in your App so that they are more easily identifable, for example: ‘Living Room’, ‘Hallway’ and ‘Reading Chair Light’.

See ‘Editing a switch’ below.

Editing a switch



① Expand a switch either in Favourites or View All Switches and then tap the ‘Edit’ icon.
② Edit the switch name, if desired.
③ Tap the switch icon ‘edit’ control and select a new icon, if desired.
④ Edit the device names, if desired.
⑤ Tap ‘Dimming cycle duration’ and follow the prompts in the ‘Dimming cycle duration’ screen Ⓐ. This screen lets you adjust the dimming speed of the SILC down lights in the room.
⑥ Tap ‘Soft ON’ and follow the prompts in the ‘Soft ON’ screen Ⓑ. This screen lets you adjust the speed at which the SILC down lights in the room transition from minimum to preset brightness when you switch them on.
⑦ Tap ‘Save’ to store your changes.

Wait a few seconds after tapping ‘Save’ to allow your switch changes to be updated in the Clipsal SILC System.

Rename a switch or device by locating it

When you edit a switch or device name directly, as described above, you need to know which Group name (e.g. ‘Group 0’) corresponds to which room in your home.

An easier way to rename your switches and devices is to use the ‘Locate a switch’ function.

See ‘Adding a switch to Favourites’ on page 20.

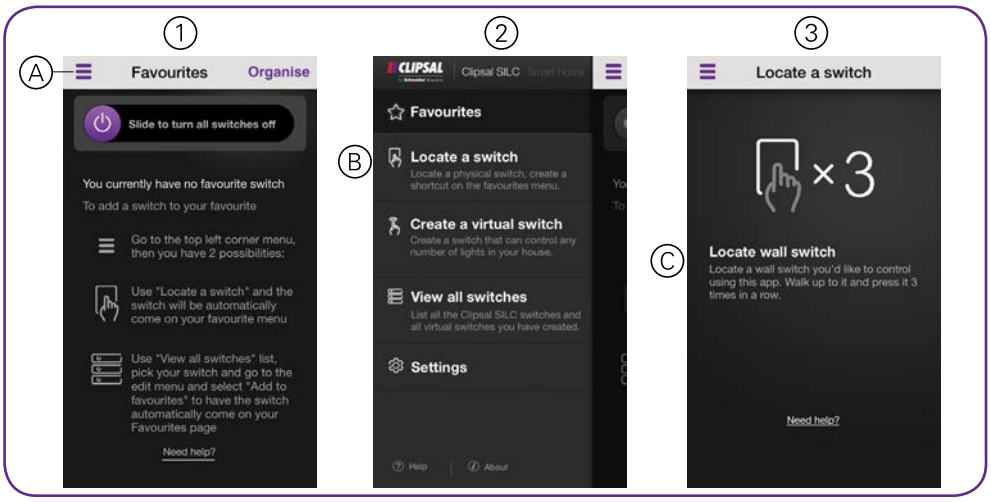
The ‘Locate a switch’ function automatically adds the switch to Favourites. If you wish, however, you can remove the switch from Favourites once you have renamed it. See ‘Removing a switch from Favourites’ on page 21.

Favourites

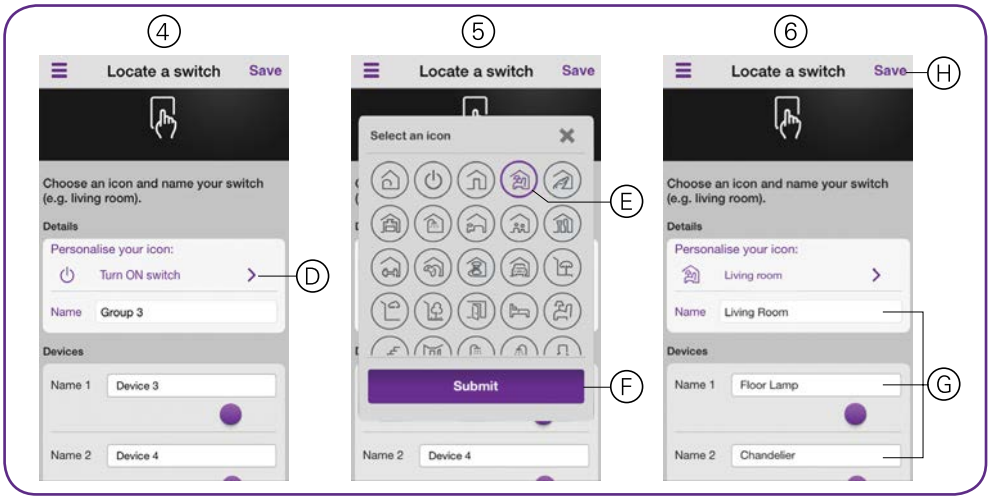
'Favourites' is where you store and name the switches and devices that you will use most often.

Adding a switch to Favourites

By locating a switch



① Tap the ☰ icon Ⓐ at the top of the Application window.
② Tap 'Locate a switch' Ⓑ.
③ Follow the on-screen instruction Ⓒ to add the switch to the Application.

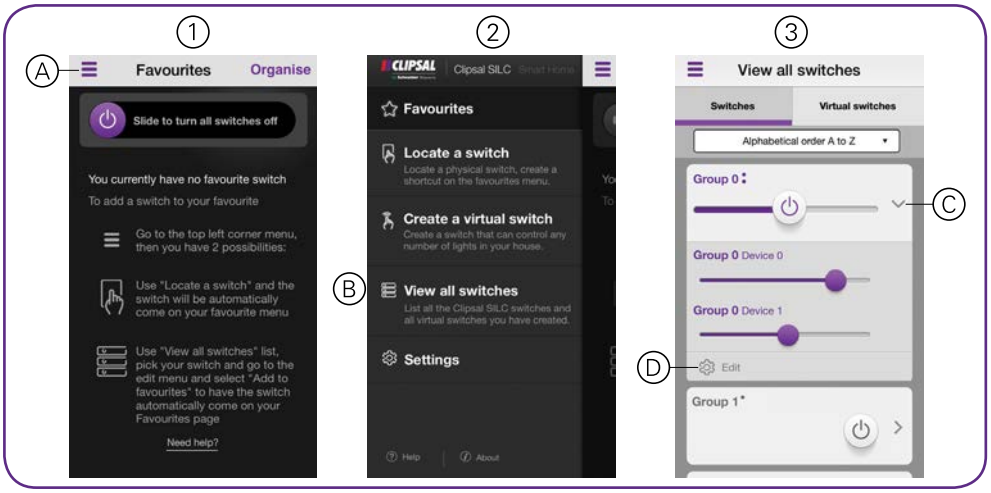


④ Tap the 'Personalise your icon' edit symbol Ⓓ.
⑤ Tap your preferred icon Ⓔ, then tap the 'Submit' button Ⓕ.
⑥ Type meaningful names for the switch and each device Ⓖ, then tap 'Save' Ⓗ.

After selecting an icon, you can use the icon name as the switch name:

- Tap the switch name field, then
- **(Android™ platform)** Tap the icon to the right of the switch name field, or
- **(iOS)** Tap the icon name displayed directly above the on-screen keyboard.

By browsing the list of switches



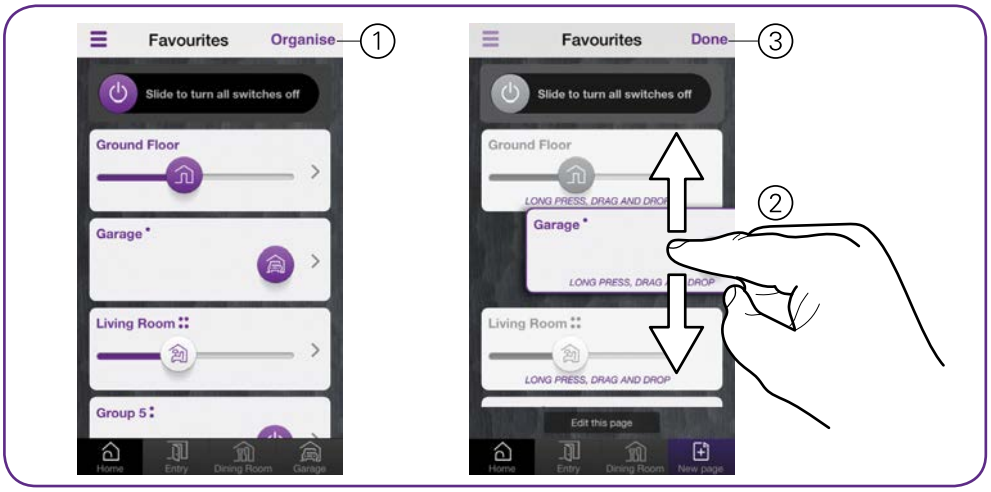
① Tap the ☰ icon Ⓐ at the top of the Application window.
② Tap 'View all switches' Ⓑ.
③ Expand a switch in the list Ⓒ, tap 'Edit' Ⓓ and then tap 'Add to favourites'.

Removing a switch from Favourites

① Expand a switch either in Favourites or View All Switches and then tap the 'Edit' icon.
② Tap the 'Remove from Favourites' button at the bottom of the screen.

The switch is only removed from Favourites. You can still access the switch via 'View all switches' (see 'Viewing all switches' on page 26).

Rearranging switches within a Favourites page



① In Favourites, tap 'Organise'. (Control of switches is disabled in this mode.)
② Long press, then drag and drop a switch to a new position. The surrounding switches move to accommodate the dragged switch.

Android™ platform:

Switch panels have a different appearance in 'Organise' mode:

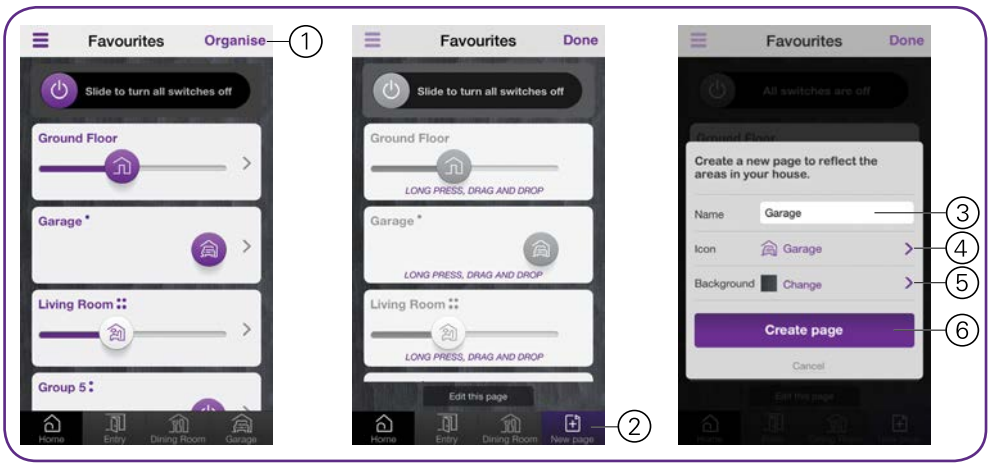
'LONG PRESS, DRAG AND DROP' is replaced with ☰ Ⓐ.



③ Tap 'Done' when you have finished arranging your switches.

Creating a new Favourites page

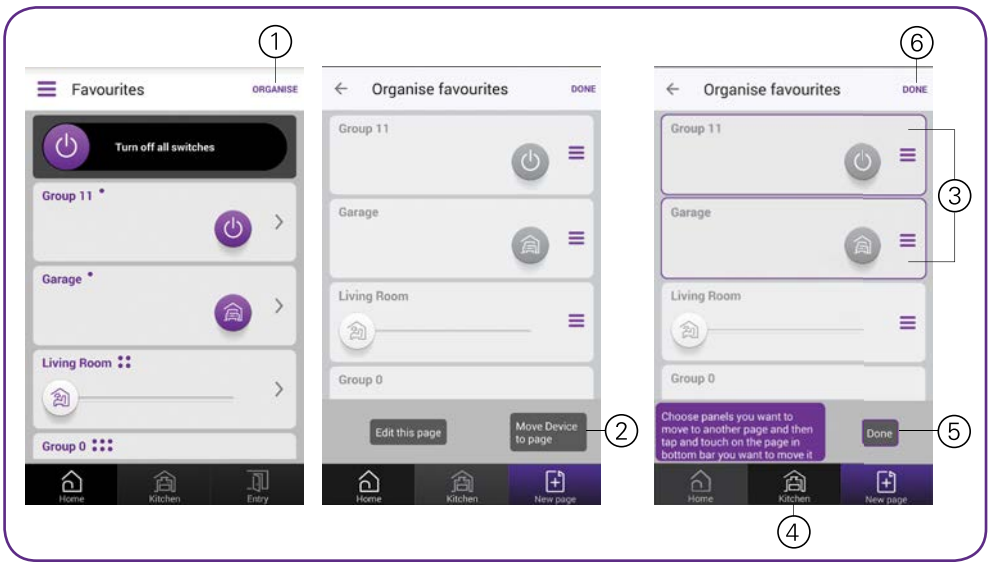
The Clipsal SILC Application includes a built-in ‘Home’ Favourites page that cannot be removed. You can create up to 4 additional Favourites pages.



① In Favourites, tap ‘Organise’. (Control of switches is disabled in this mode.)
② Tap the ‘New Page’ button at the bottom of the screen.
③ Type a meaningful name for the new page.
④ Tap the ‘Icon’ edit symbol to set the icon you would like to use for this page.
⑤ Tap the ‘Background’ edit symbol to set the page background, if desired.
⑥ Tap the ‘Create page’ button.

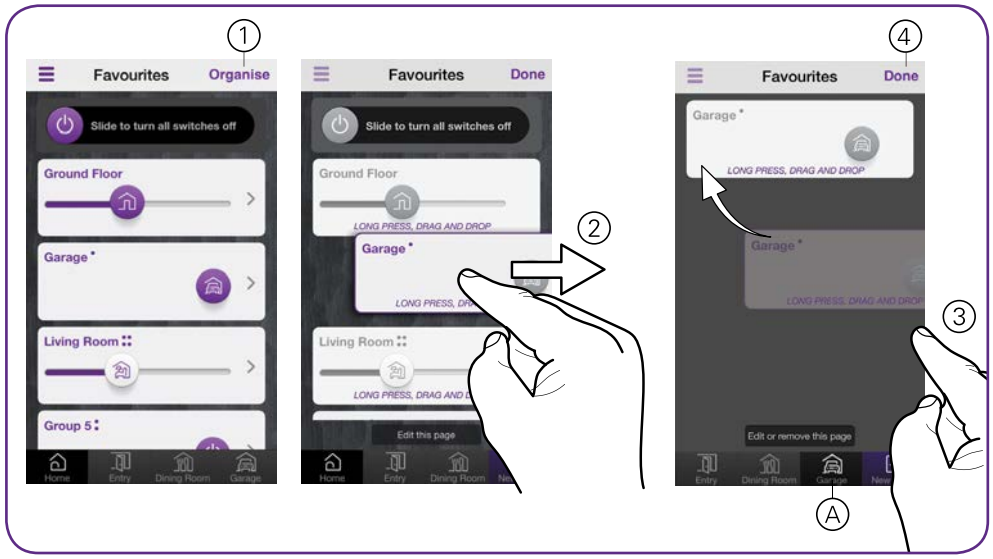
Moving a switch to another Favourites page

Android™ platform



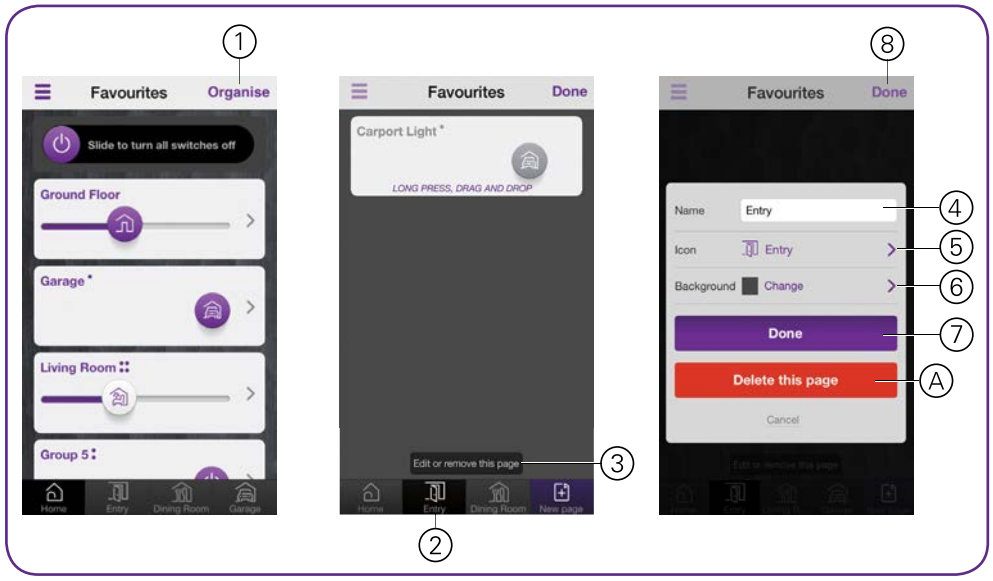
① In Favourites, tap ‘Organise’. (Control of switches is disabled in this mode.)
② Tap the ‘Move device to page’ button.
③ Tap each switch that you want to move. Selected switches are highlighted with a purple border.
④ Tap the desired page icon at the bottom of the screen to move the selected switches to that page. (Swipe the icons left or right until the desired page icon is visible, if needed.)
⑤ Tap the ‘Done’ button near the bottom of the screen.
⑥ Tap ‘Done’ at the top right corner of the screen.

iOS



① In Favourites, tap ‘Organise’. (Control of switches is disabled in this mode.)
② Long press, drag a switch to the left or right edge of the screen and continue to hold. Each Favourites page moves into, then out of, view beneath the switch.
③ Release the switch when the desired Favourites page Ⓐ moves into view.
④ Tap ‘Done’.

Editing or removing a Favourites page



To edit the Favourites page

① In Favourites, tap ‘Organise’. (Control of switches is disabled in this mode.)
② Tap the page icon to display the page that you want to edit or remove.
③ Tap the ‘Edit this page’ button (‘Home’ page) or the ‘Edit or remove this page’ button (other pages).
④ Type a new name for the page, if desired.
⑤ Tap the ‘Icon’ edit symbol and select a different icon, if desired.
⑥ Tap the ‘Background’ edit symbol and select a different page background, if desired.
⑦ Tap the ‘Done’ button to save your changes.
⑧ Tap ‘Done’ at the top right corner of the screen.

To delete the Favourites page

Ⓐ Tap the ‘Delete this page’ button.

All switches from the deleted page are moved to the ‘Home’ page.

The ‘Delete this page’ button is not displayed when you edit the ‘Home’ page as this page cannot be removed.

Virtual Switches

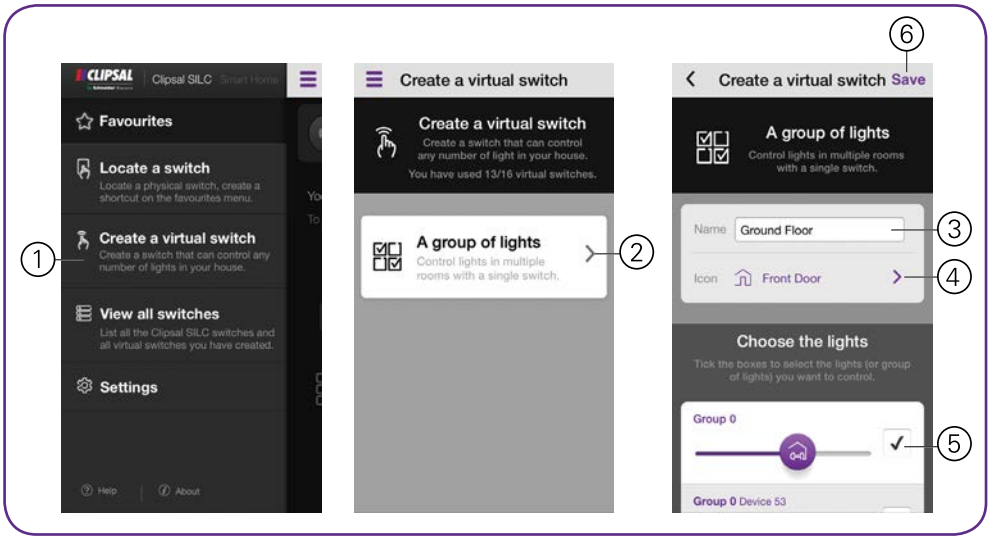
Control lights in multiple rooms with a single switch.

Example

If you use the bathroom during the night, set up a Virtual Switch to control one bedroom light, a hallway light and the bathroom/toilet lights.

You can have up to 16 Virtual Switches.

Creating a Virtual Switch



① In the slide-out menu, tap ‘Create a virtual switch’.
② Tap the panel labelled ‘A group of lights’.
③ Type a meaningful name for the Virtual Switch.
④ Tap the ‘Icon’ edit symbol and select an icon for the Virtual Switch.
⑤ Tick the switches and/or devices that you want to control via the Virtual Switch.

- All System switches and devices are listed. Scroll up and down through the list as needed.
- Tick a switch to add both the switch and its devices to your Virtual Switch.
- To add individual devices from a switch, tick the desired devices instead of the switch.

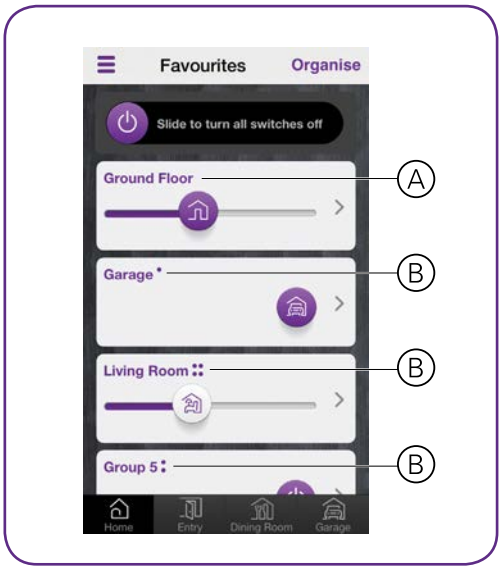
⑥ Tap ‘Save’.

Virtual Switch appearance

Virtual Switches are almost identical in appearance to the other switches in the Clipsal SILC Application, but do not display dots indicating how many devices are controlled by the switch.

Ⓐ **Virtual Switch**
(does not display dots)

Ⓑ **Regular switch**
(displays dots representing the number of devices controlled by the switch)

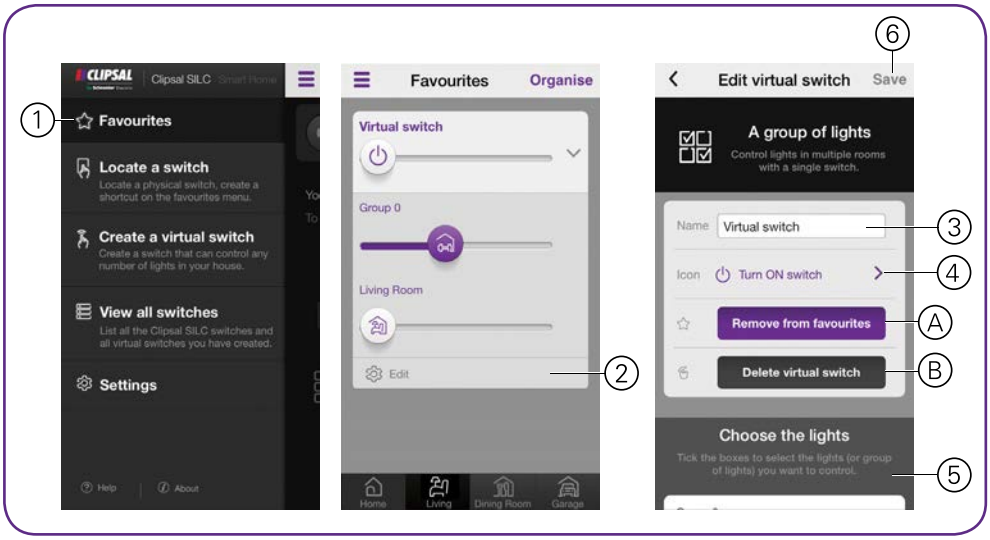


If a Virtual Switch has more than 10 devices, only the 'Edit' icon is displayed when you expand the switch.

- Tap the 'Edit' icon and control each device from within the Edit screen.

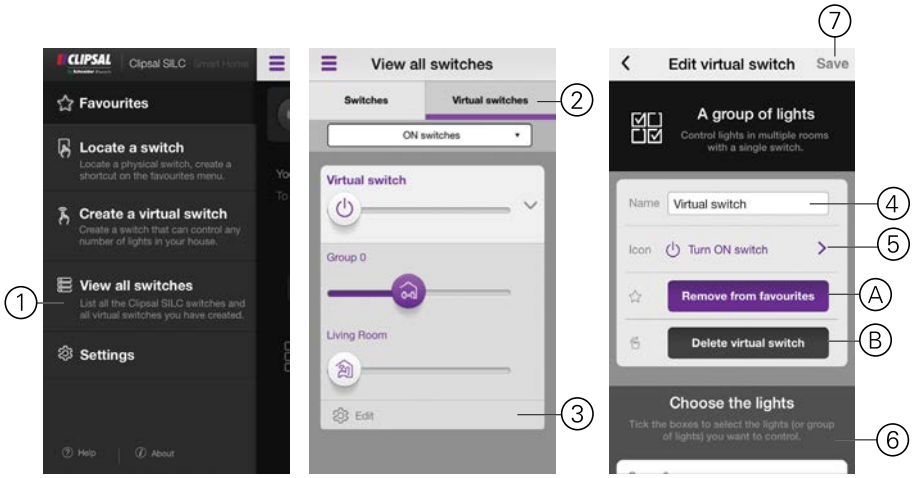
Editing or removing a Virtual Switch

Editing via 'Favourites'



① In the slide-out menu, tap 'Favourites'.
② Expand a Virtual Switch that you want to edit or remove, then tap 'Edit'.
③ Change the Virtual Switch name, if desired.
④ Tap the 'Icon' edit symbol and change the Virtual Switch icon, if desired.
⑤ To update the switches and devices controlled by the Virtual Switch, scroll through the list and tick/un-tick switches and devices as desired.
⑥ Tap 'Save' to update your changes.

Editing via ‘View all switches’



① In the slide-out menu, tap ‘View all switches’.
② Tap ‘Virtual switches’ to view your Virtual Switches.
③ Expand a Virtual Switch that you want to edit or remove, then tap ‘Edit’.
④ Change the Virtual Switch name, if desired.
⑤ Tap the ‘Icon’ edit symbol and change the Virtual Switch icon, if desired.
⑥ To update the switches and devices controlled by the Virtual Switch, scroll through the list and tick/un-tick switches and devices as desired.
⑦ Tap ‘Save’ to update your changes.

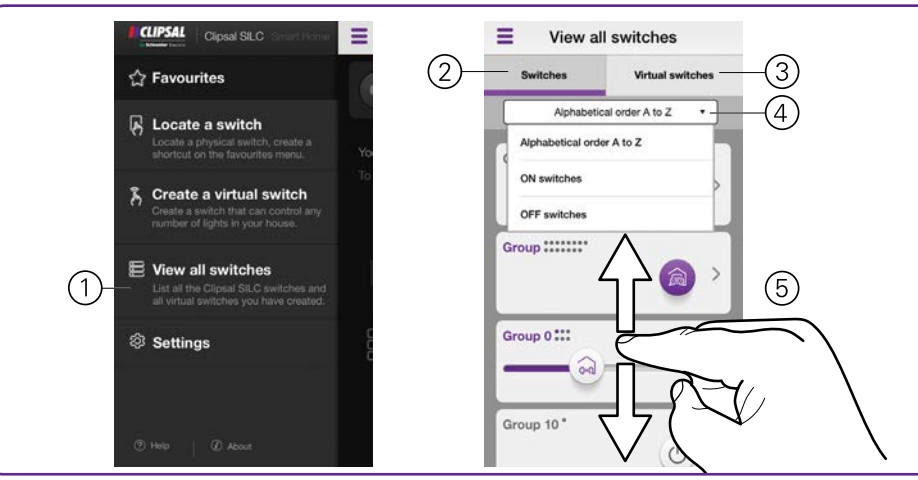
To remove the Virtual Switch from Favourites

Ⓐ Tap the ‘Remove from favourites’ button.

To delete the Virtual Switch

Ⓑ Tap the ‘Delete virtual switch’ button.

Viewing all switches



① In the slide-out menu, tap ‘View all switches’.
② Tap ‘Switches’ to view all Clipsal SILC System switches and devices.
③ Tap ‘Virtual switches’ to view your Virtual Switches.
④ Tap the sort drop-down list to display:
- all switches in alphabetical order,
- only those switches currently ON, or
- only those switches currently OFF.

⑤ Scroll up or down to browse the list of switches.

4.5 ‘About’ screen and built-in help

The ‘About’ screen

The ‘About’ screen displays both the Application version and your Clipsal SILC System Wireless Gateway version. There is also a link that you can tap to learn more about Clipsal SILC and register your System.

① Tap the ☰ icon at the top left of the Application Screen.
② In the slide-out menu, tap ‘About’ at the bottom of the screen.

Accessing the built-in help

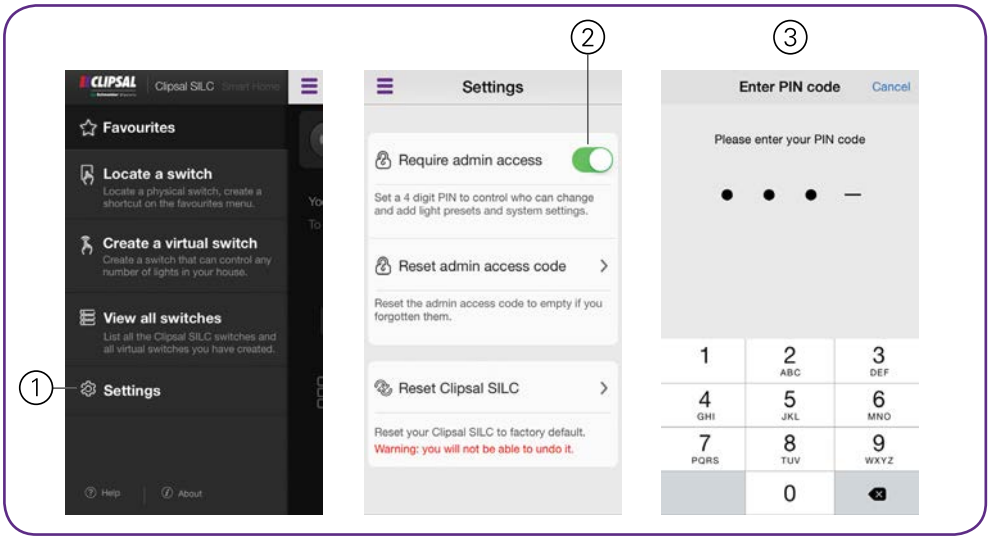
① Tap the ☰ icon at the top left of the Application Screen.
② In the slide-out menu, tap ‘Help’ at the bottom of the screen.
③ Tap a topic at the bottom of the screen.
④ Scroll up/down to read the selected topic Help page.

4.6 Application settings

The Application settings screen allows you to:

- set or reset an Admin access code (PIN), and
- reset your Clipsal SILC System if you need to.

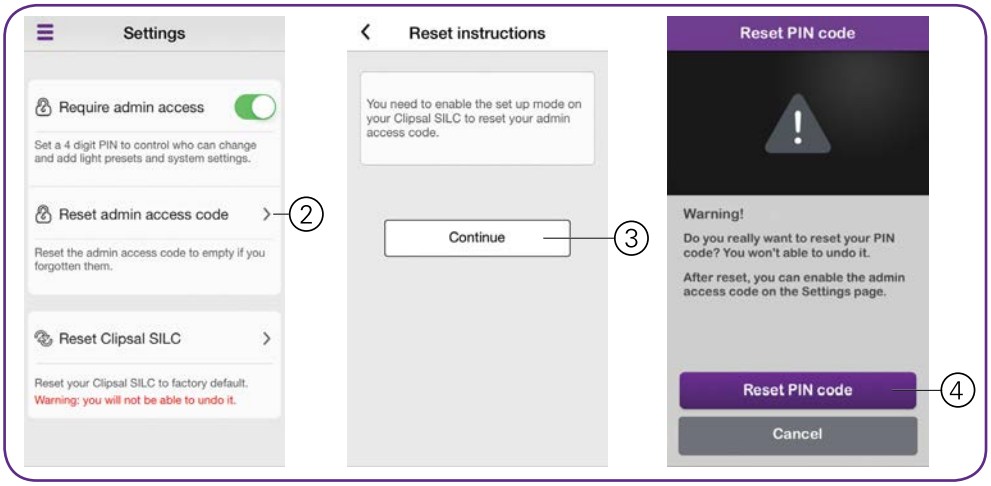
Setting an Admin access code



① In the slide-out menu, tap ‘Settings’.
② Slide the ‘Require Admin access’ switch to ON.
③ Type a 4-digit PIN to set the Admin access code. You will be prompted to enter your PIN a second time to confirm the number.

Once you have set an Admin access code on one tablet or smart phone, you do not need to enter it again on that device, unless the Admin access code is changed using another tablet or smart phone in your home. In that case, you will be required to enter the new passcode once only, during the next edit/save action on your device.

Resetting an Admin access code



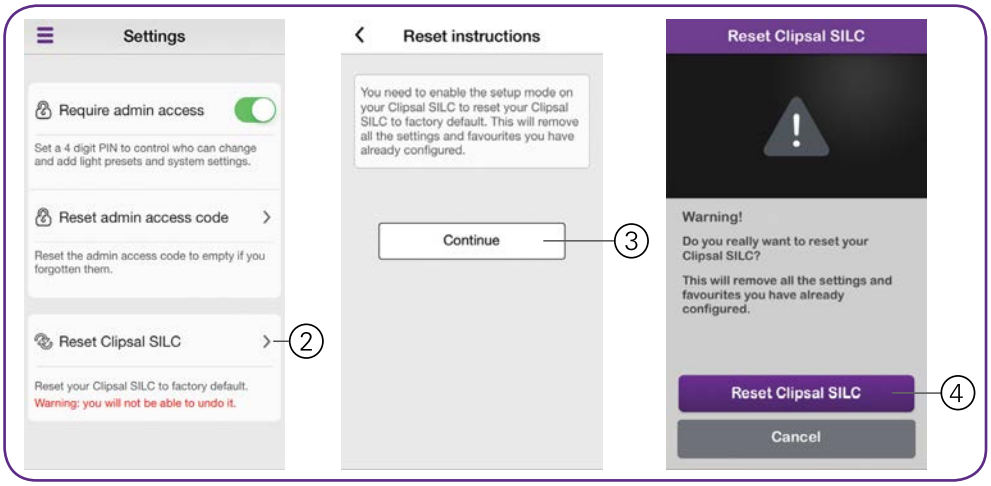
① In the slide-out menu, tap ‘Settings’.
② Tap the ‘Reset admin access code’ edit symbol.
③ Tap the ‘Continue’ button and follow the screen prompts to enable your Clipsal SILC System setup mode.

You will be instructed to press and hold a push button (not Master Off) for 25 seconds. After this time, the lights connected to the push button will flash three times. Release the switch after the third flash.

④ When the ‘Reset PIN code’ screen is displayed, tap the ‘Reset PIN code’ button.

Resetting the Clipsal SILC System

All customised switch settings, names and Virtual Switches are deleted when you reset the Clipsal SILC System.



① In the slide-out menu, tap ‘Settings’.
② Tap the ‘Reset Clipsal SILC’ edit symbol.
③ Tap the ‘Continue’ button and follow the screen prompts to enable your Clipsal SILC System setup mode.

You will be instructed to press and hold a push button (not Master Off) for 25 seconds. After this time, the lights connected to the push button will flash three times. Release the switch after the third flash.

④ When the ‘Reset Clipsal SILC’ screen is displayed, tap the ‘Reset Clipsal SILC’ button.

5 Altering or extending your Clipsal SILC Lighting Control System

DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Hazardous voltage may be present at the wire leads of this product.
- It is illegal for persons other than an appropriately licensed electrical contractors or other persons authorised by legislation to work on the fixed wiring of any electrical installation.
- To comply with all safety standards, the product must be used only for the purpose described in this instruction and must be installed in accordance with the wiring rules and regulation in the location where it is installed.
- There are no user-serviceable parts in your Clipsal SILC Control System.
- DO NOT ATTEMPT TO PERFORM ANY MAINTENANCE, ADDITIONS OR CHANGES to any part of your Clipsal SILC Control System, the fixed wiring or equipment wiring.
- Contact your builder, the installing electrician or another appropriately licensed electrical contractor for any maintenance, additions or changes to your Clipsal SILC Control System fixed wiring, equipment wiring and components.

Failure to follow these instructions will result in death or serious injury.

5.1 Before arranging to alter or extend your Clipsal SILC Lighting Control System

Functional changes

If you change the usage of one or more rooms in your home (for example, change a bedroom to a study), you may be thinking about changing the lights and push buttons in those rooms to better suit their new role.

Physical changes to your System must be carried out by an appropriately licensed electrical contractor.

You may be able to avoid physical System changes by firstly trying out one or more Virtual Switch configurations in the Clipsal SILC Application.

See ‘Virtual Switches’ on page 24 for more information.

Physical changes

If you decide that your Clipsal SILC System must be altered as the result of a planned building extension or other physical change to your home, contact your builder, the installing electrician or another appropriately licensed electrical contractor to perform the alterations for you.

6 If you have problems with your Clipsal SILC Lighting Control System

6.1 System troubleshooting

DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Hazardous voltage may be present at the wire leads of this product.
- It is illegal for persons other than an appropriately licensed electrical contractors or other persons authorised by legislation to work on the fixed wiring of any electrical installation.
- To comply with all safety standards, the product must be used only for the purpose described in this instruction and must be installed in accordance with the wiring rules and regulation in the location where it is installed.
- There are no user-serviceable parts in your Clipsal SILC Lighting Control System.
- DO NOT ATTEMPT TO PERFORM ANY MAINTENANCE, ADDITIONS OR CHANGES to any part of your Clipsal SILC Lighting Control System, the fixed wiring or equipment wiring.
- Contact your builder, the installing electrician or another appropriately licensed electrical contractor for any maintenance, additions or changes to your Clipsal SILC Lighting Control System fixed wiring, equipment wiring and components.

Failure to follow these instructions will result in death or serious injury.

WARNING

POTENTIALLY HAZARDOUS ELECTRICAL COMPONENTS

- Your Clipsal SILC Lighting Control System includes potentially hazardous electrical components that may be present in your ceiling space.
- DO NOT TAMPER with any component of your Clipsal SILC Lighting Control System, the fixed wiring or equipment wiring.

Failure to follow these instructions can result in death or serious injury, or equipment damage.

System troubleshooting must be performed by an appropriately licensed electrical contractor.

6.2 Operational troubleshooting

SILC down lights and relay-connected devices

Problem	Checks and remedial action
All lights flash when you press a push button	Contact your builder, the installing electrician or another appropriately licensed electrician to check the SILC System wiring.
You have arrived home or woken up to find all the SILC down lights switched on	There may be a problem with your Clipsal SILC System Power Supply: – Check the circuit breaker for your Clipsal SILC System. (Your builder or installing electrician should have shown you where the circuit breaker is located and how to check it.) – If the circuit breaker has detected a fault, try resetting it. – If the circuit breaker continues to detect a fault, contact your builder, the installing electrician or another appropriately licensed electrician. – If the circuit breaker has not detected a fault, or you cannot find the circuit breaker to check it, contact your builder, the installing electrician or another appropriately licensed electrician.
The SILC down lights are always dim when you first switch them on, then gradually increase brightness	This behaviour can be set within the Clipsal SILC Application. – Check the Application setting on your tablet or smart phone. – If the lights continue to behave this way when not set in the Application, contact your builder, the installing electrician or another appropriately licensed electrician.
When mains power has been restored following a power outage, the Master Off switch(es) do not work	It takes a few seconds for a Master Off switch to initialise when power is applied to the Clipsal SILC System. – Wait at least five seconds after power is restored before attempting to operate a Master Off switch – If the problem persists, contact your builder, the installing electrician or another appropriately licensed electrician.
When you press 2 push buttons in the same room at the same time, the lights behave abnormally, or nothing happens	This behaviour can be expected when pressing 2 push buttons in a room simultaneously. – Press only one push button in the room at a time. – If the lights still behave abnormally, contact your builder, the installing electrician or another appropriately licensed electrician.

Wireless connectivity

Problem	Checks and remedial action
After pressing and holding a push button for 25 seconds, the Wireless Gateway Unit does not display in the list of available Access Points on your tablet or smart phone	– Check that you are not pressing a Master Off switch. Master Off switches cannot be used to activate the Wireless Gateway Unit Access Point mode. – You must press and hold a push button and not release it until the lights connected to the push button flash three times. If you are not sure that you did this, try connecting again, observing this requirement. – Place your tablet or smart phone closer to the Wireless Gateway Unit, then try connecting again. – Contact your builder, the installing electrician or another appropriately licensed electrician to check the wiring to the Wireless Gateway Unit.

Problem	Checks and remedial action
You cannot see your home network wireless access point in the list of available networks	– Check that your home network wireless access point is set to Wi-Fi channel 12 or below (see your wireless access point user guide for information)
You cannot connect the Wireless Gateway Unit to your home wireless access point	– Follow the instructions supplied with your home wireless access point to restart it, then try connecting the Wireless Gateway Unit again. – Move your home wireless access point closer to the Wireless Gateway Unit. – Contact your builder, the installing electrician or another appropriately licensed electrician to check the wiring to the Wireless Gateway Unit.

Clipsal SILC Application

Problem	Checks and remedial action
Some SILC down lights and/or relay-connected devices are missing from a switch (e.g. Bedroom)	Short press one of the push buttons for that room: – If the lights flash, contact your builder, the installing electrician or another appropriately licensed electrician.
A Master Off switch doesn't display in the Application after three short presses	This is normal—Master Off switches have no effect on the Clipsal SILC Application.
The System Status is slow to update	Close the Clipsal SILC Application on any tablets or smart phones that are not being used to control your Clipsal SILC Lighting Control System
In the Clipsal SILC Application, you try to move a device slider control to adjust the brightness level (SILC down light only) but the slider control will not move	Check that the device is switched on: – Is the button a purple colour? – If not, tap the button to turn the device on, then move the slider control.
The device control for your chandelier or similar light is missing the slider control that adjusts the brightness of the light	This is normal. – The Clipsal SILC System and Application only support dimmer operation for SILC down lights. – All other lights are connected via a relay, which only supports switching the light on and off.
The App settings for one or more switches or devices have changed since you last set them	This is normal. – When you press a physical push button in a room, any SILC down light / relay-connected device settings you have previously madefor that room via the App are overridden.

6.3 Getting help

For assistance with your Clipsal SILC Lighting Control System, visit:

SILC.Clipsal.com

7 Glossary

The terms and definitions in this Glossary are written in the context of the Clipsal SILC Lighting Control System, its components and the Clipsal SILC Application.

A

Android™ platform

An operating system installed in some tablets and smart phones.

The Clipsal SILC Application is compatible with the following Android versions and compatible devices.

Operating System	Hardware
Android™ platform – Versions 4.1, 4.2, 4.3 (Jellybean) – Version 4.4 (KitKat) – Versions 5.0, 5.1 (Lollipop)	Any tablet or smart phone with: – IEEE 802.11 b/g/n Wi-Fi capability, and – One of the Android versions listed on the left installed on the device

Apple

Vendor of the iOS operating system installed on iPads and iPhones.

AS/NZS 3000

Australian and New Zealand Standard AS/NZS 3000: Electrical Installations.

Also known as the Australian/New Zealand Wiring Rules.

AS/NZS 3100

Australian and New Zealand Standard AS/NZS 3100: Approval and test specification – General requirements for electrical equipment.

C

ceiling space

The cavity between a building interior ceiling and external roof.

Clipsal SILC Application

Software that can be installed on a compatible tablet or smart phone to control the devices in a Clipsal SILC Lighting Control System via the Clipsal SILC Wireless Gateway.

In this guide, the Clipsal SILC Application may also be referred to as ‘the App’.

Clipsal SILC Lighting Control System

A system used to control lighting (and other devices connected with relays) via momentary push buttons, tablets and smart phones.

In this guide, the shorter term ‘Clipsal SILC System’ may also be used where there are frequent references to the System name.

D

device

(Clipsal SILC Application) A device represents a SILC down light or relay-connected device controlled by a switch. In the Clipsal SILC Application, a SILC down light includes a slider control for adjusting brightness, while a relay-connected device has a button only (no dimming of relay-connected lights via the Clipsal SILC System).

See also: switch

E

equipment wiring

The cable and associated LED Driver or Network Relay that connects a SILC down light or relay-connected device (e.g. bathroom exhaust fan) to the Clipsal SILC Lighting Control System.

F

fixed wiring

Electrical cables that have been laid and secured to prevent dislodgement.

I

iOS

The mobile device operating system developed by Apple Inc.

The Clipsal SILC Application is compatible with the following iOS versions and Apple devices.

Operating System	Hardware
Apple iOS 7 or later	– iPhone 4S or later – iPad 3 or later – iPod Touch 4th generation or later

L

LED Driver

The control box component of a SILC down light that connects the light to the Clipsal SILC Lighting Control System.

M

Master Off switch

The momentary push button switch used as a Master Off switch in a Clipsal SILC Lighting Control System.

When pressed, a Master Off switch turns off all SILC down lights and relay-connected devices in your Clipsal SILC System.

P

push button

Abbreviated name for the momentary push button (bell press) switch used in the Clipsal SILC Lighting Control System.

Push buttons are used as on/off/dimmer switches in the Clipsal SILC Lighting Control System. (Dimming available for SILC down lights CLSK12WF/CF only.)

For Master OFF operation, only the Master Off switch, part number CLSMM-WE, can be used.

R

relay-connected device

Any light (LED, incandescent, halogen, etc.) or small motor load, such as a bathroom exhaust fan, connected to the Clipsal SILC System via a relay.

In this guide, reference may also be made to ‘relay-connected lights’ where the instruction relates specifically to lights connected via relay.

Relay-connected lights cannot be dimmed or brightened using the System push buttons or the Clipsal SILC Application.

S

setup mode

Your Clipsal SILC Lighting Control System can be placed in setup mode to establish connection between the System and your home network, set and change an Admin access passcode and to reset the Clipsal SILC System if required.

SILC down light

The LED Driver and LED Fitting specifically designed for use with the Clipsal SILC System. SILC down lights can be dimmed or brightened using the same push buttons used to turn SILC down lights and relay-connected devices on and off.

swipe

A touch screen finger-gesture used to scroll a list, or ribbon of controls, displayed on a tablet or smart phone.

switch

(Clipsal SILC Application) A switch represents a group of SILC down lights and relay-connected devices in the Clipsal SILC System, such as ‘Master Bedroom’, ‘Hallway’ or ‘Bathroom’.

When you first use the Clipsal SILC Application, the switches are named ‘Group 0’, ‘Group 1’, and so on.

Use the controls on the switch to affect all devices within the group, or expand the switch to access the individual device controls.

See also: Virtual Switch, device

T

tap

Short press of a tablet or smart phone touch screen, usually over a displayed switch, control, button or link.

V

Virtual Switch

(Clipsal SILC Application) A switch within the Clipsal SILC Application that can control one or more SILC down lights / relay-connected devices regardless of physical group (e.g. living room, kitchen).

Example:

If you use the bathroom during the night, set up a Virtual Switch to control one bedroom light, a hallway light and the bathroom/toilet lights.

See also: switch

W

Wi-Fi

A generic term for a particular wireless local area network (WLAN) technology in common use.

Wireless Gateway Unit

A component of the Clipsal SILC Lighting Control System that provides a wireless connection, via your home network, to a tablet or smart phone with the Clipsal SILC Application installed.

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03 August-15

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