ORION

GRID CONNECT

SMART
WI-FI FINGERPRINT
DEADBOLT LOCK

ORION

QUICK
START
GUIDE

IMPORTANT!
PLEASE READ THESE
INSTRUCTIONS CAREFULLY

DL017HA

1 INTRODUCTION

This Smart Deadbolt Lock is designed to retrofit most existing deadbolt installations. With a fingerprint sensor and keypad, being locked out can become a thing of the past.

Install the Grid Connect mobile app, available for both iPhone and Android devices, to generate temporary codes and view a log of user unlocks.

The Grid Connect app is free to download and is available from the Apple App Store and Google Play. Check grid-connect.com.au for minimum device requirements.

MONITOR FROM ANYWHERE

DOWNLOAD ▶ PAIR ▶ USE

Download from:

GET IT ON
Google Play

Download on the
App Store

2 CONTENTS

Front panel and rubber seal
Back panel and rubber seal
Deadbolt latch
Strike
Mounting screws and standoffs
Mounting bracket
Drill Template
2 x Mechanical keys
4 x RFID tags
4 x AA batteries

Drill Template

3 IDENTIFICATION

Fingerprint sensor
Unlock the door
without bringing
your keys with you

Backlit keypad
For ease of use
in the dark

RFID tag reader
Tags included for
quick and easy entry

Keyhole
Physical keyhole for traditional
unlock, even without power

**Emergency microUSB
power port**
Backup power source in case
batteries have run out of power

Battery cover
Holds 4 x AA Batteries

Deadbolt knob
You can unlock the door
from the inside

Secure lock button
Limits entry to administrator
users and physical keys only.
It is also used to reset
the device.

4.0 INSTALLATION - Contents

PLEASE READ THESE INSTRUCTIONS CAREFULLY. Failure to follow these instructions could affect the product's function or result in damage to the product.

• Before installing the product, check your Wi-Fi strength/coverage near your door to ensure the product is functional.

• For your safety, take care when operating tools during installation.

• Install the product while the door is open. Do not close the door until you check that the product is operating correctly.

• Do not use excessive force or sharp objects to press the touchscreen.

• Do not install the batteries until you complete the installation.

• The lock should only be serviced by a professional technician. You must not modify/repair the product without authorization.

1	Drill Template	7	2 x Mechanical keys
2	Front panel	8	4 x AA batteries
3	Back panel	9	Deadbolt latch
4	Front panel rubber seal	10	4 x RFID tags
5	Back panel rubber seal	11	Strike
6	Front panel bracket		

| A1 | 4 x Wood screws |
A2	4 x Metal screws
B1	3 x Short standoffs
B2	1 x Long standoff
B3	3 x Front panel screws
C	4 x Back panel screws

4.1 INSTALLATION - Assembly
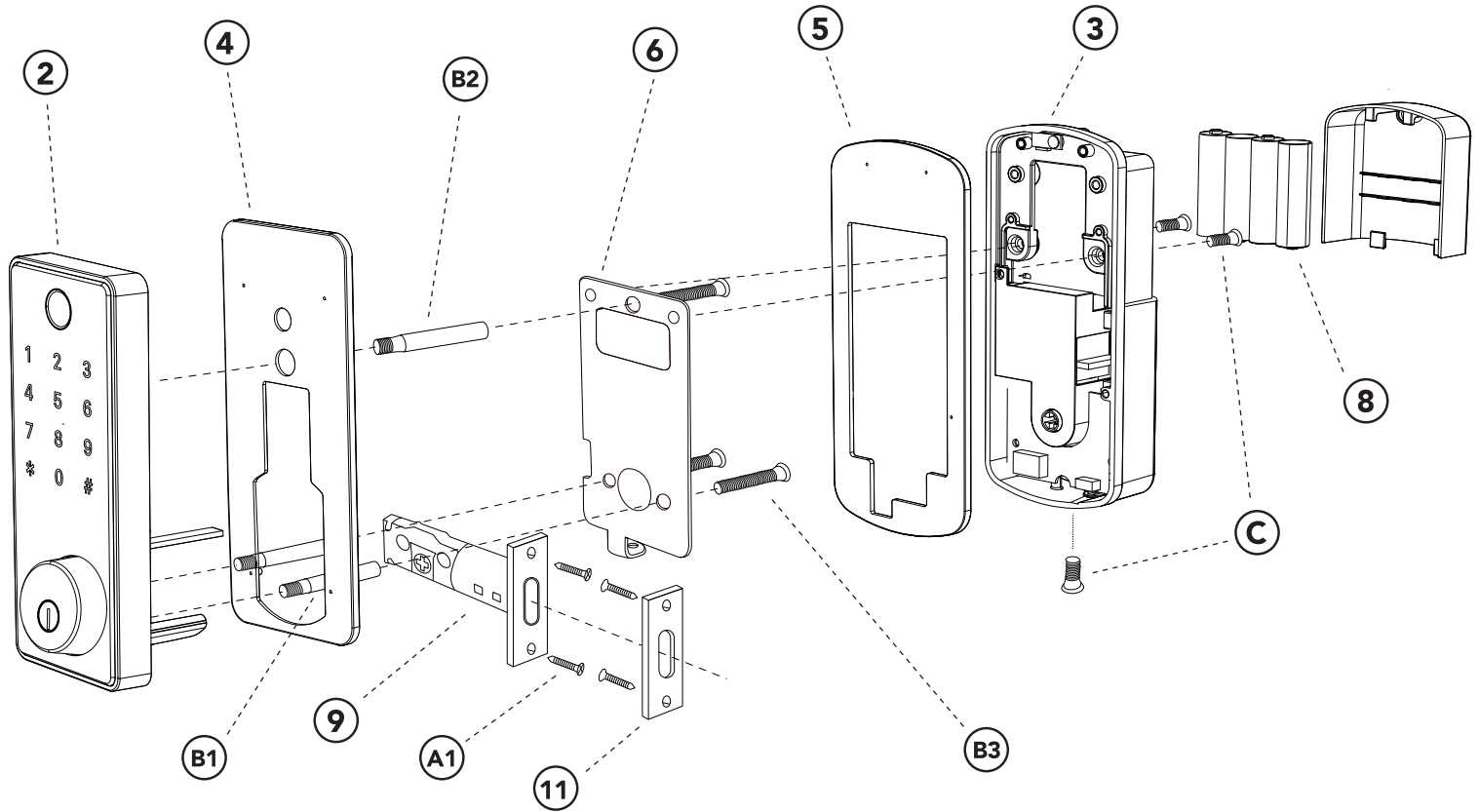
4.2 INSTALLATION - Door preparation

Additional material including installation videos are available on the Grid Connect website grid-connect.com.au

## OPTION A: PREPARATION - REPLACING AN EXISTING DEADBOLT

1. Remove your existing deadbolt. Most deadbolts can be unscrewed from the indoor side. If you are having trouble removing your existing lock, please contact a locksmith or the manufacturer of your existing door hardware for assistance.

2. Check that your door meets the installation requirements:

    a. Standard 54mm diameter cut-out

    b. Backset of 60mm or 70mm from edge of door to centre of cut-out

    c. Door thickness between 35mm and 50mm

3. Remove the deadbolt latch from the side of the door.
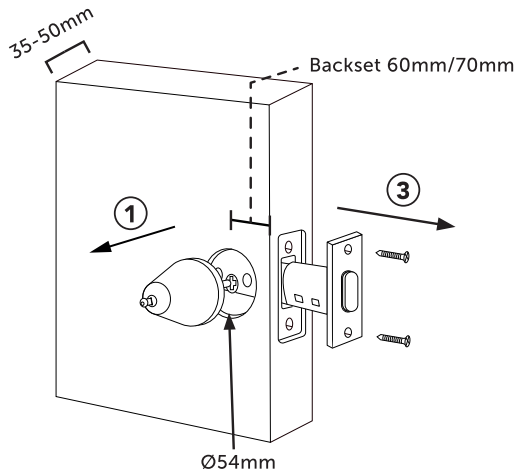
OPTION B: PREPARATION - NEW DOORS

**IMPORTANT:** Professional installation is recommended for new doors.

1. Your door must have a thickness of between 35mm and 50mm.

2. Using a deadbolt installation kit (not included) or the drill guide, create a standard deadbolt cut-out:

    a. 54mm diameter cut-out centred 60mm back from the edge of the door.

    b. 25mm hole centred along the edge of the door through to the 54mm cut-out. (Note: The drill guide can be used for vertical alignment only, horizontal position will vary depending on your door thickness.)

    c. screw holes to install the latch and strike.

    d. rectangular cut-out for flush installation of the latch and strike.

3. Install the strike to the door frame.
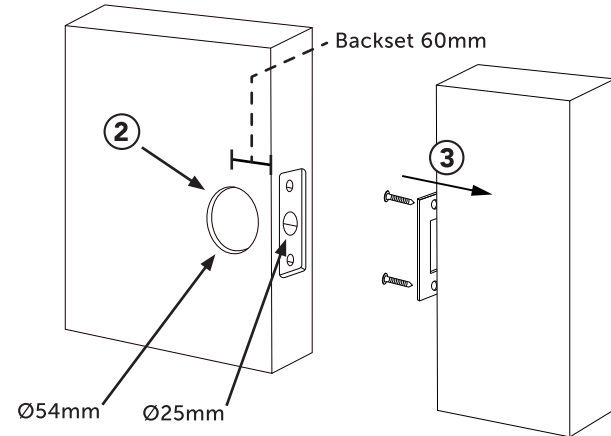
4.3 INSTALLATION - Lock preparation

INSTALLATION - BOTH NEW AND EXISTING DEADBOLTS

4. Using the drill guide, create a mounting hole directly above the main cut-out. This will be used to secure the two halves of the door using the provided screw stubs. A hole diameter of 15mm is recommended, which will allow you to adjust the alignment of the door during installation.

68mm

Ø15mm
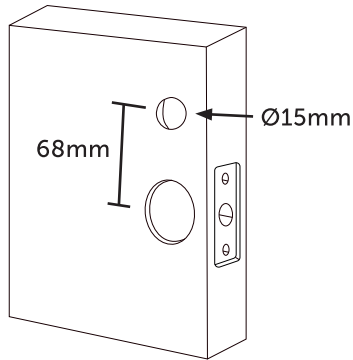
5. Locate the deadbolt latch. For most installations at a backset (distance from door edge to centre of cut-out) of 60mm, the adjustable latch should be kept in the shorter position. If you are installing the deadbolt at a backset of 70mm, twist the two ends of the latch to extend it to the longer position. Secure the latch with the provided **A1** screws, ensuring that the latch is oriented correctly.

TOP
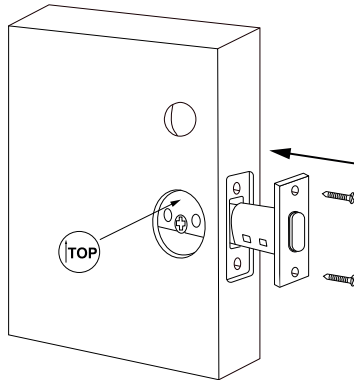
6. Install standoffs to the back of the front panel. Shorter 30mm **B1** standoffs are provided for the two protruding points next to the spindle, while a longer 40mm **B2** standoff should be used for the upper point.

40mm

30mm
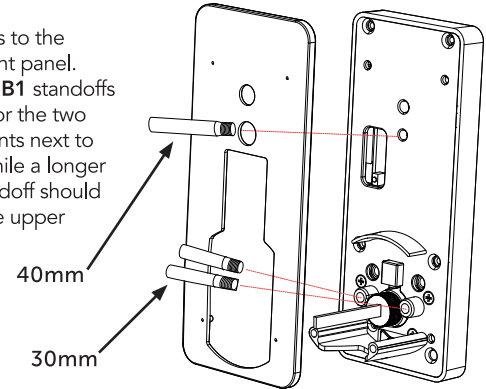
7. Measure the thickness of your door, which should be between 35 and 50mm. If your door thickness is less than 40mm, use pliers to carefully break off the last section of the spindle at the notch.
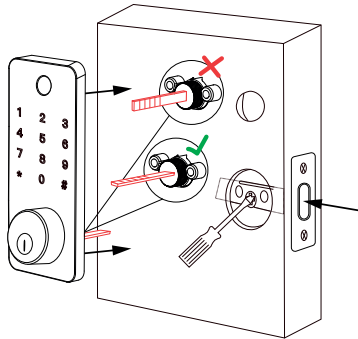
Spindle
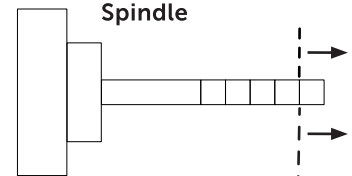
Remove if door thickness is less than 40mm

4.4 INSTALLATION - Front panel

8. Align the matching rubber seal to the front panel and press firmly around the edges to secure. The lip on the rubber seal should wrap slightly around the edges of the lock. The seal should line up with the holes on the back of the front panel.
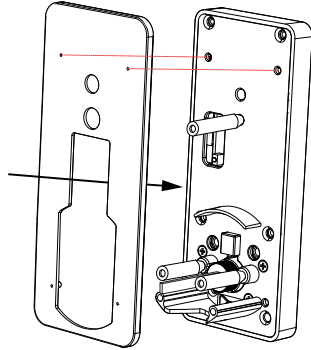
9. If the deadbolt latch is extended, use a flat-head screwdriver to retract it. From the outside of your door, align the spindle horizontally through the latch assembly and push the front panel in until it is flush against the door. Hold the front panel in place until the end of the next step.

10. From the inside of your door, install the mounting plate, ensuring that the spindle passes through the centre and the cable is threaded through the slot on the right hand side. The two poles on the back of the plate should line up with holes on the back of the front panel. Use the provided 30mm **B3** screws to secure the mounting plate to the front panel. When tightening the screws, check that the front panel is aligned correctly.
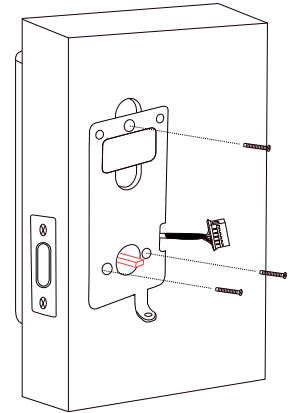
11. From the inside of your door, test that the spindle can extend the deadbolt. **After testing, return the spindle to its original position and retract the deadbolt.** If the spindle does not move the deadbolt, remove the front panel from the door and rotate the spindle to a new position before reinstalling.
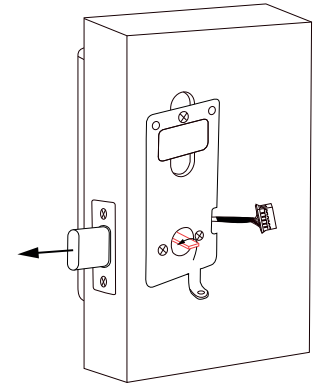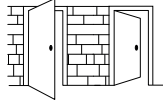
4.5 INSTALLATION - Back panel

12. Identify whether your door is left-hinged or right-hinged when viewed from the outside. There is a switch on the inside of the back panel. Move the switch to 'L' for left-hinged doors, or 'R' for right-hinged doors.
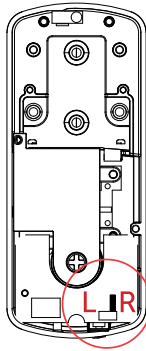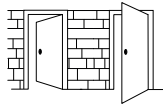
Note: Left or right hinge should be observed from outside the house.

Left Hinge

Right Hinge

L R

13. Install the rubber seal for the back panel, pressing firmly to secure.
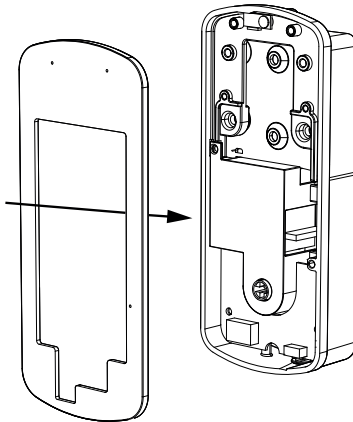
14. Remove the battery cover from the back panel, then connect the wire from the front panel to the connector near the bottom of the back panel. Press firmly to ensure that the cable is properly connected.
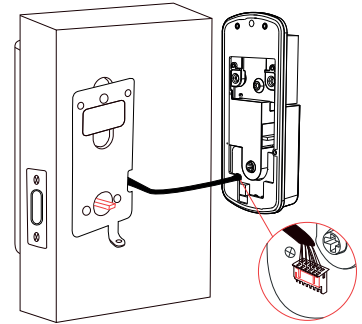
15. For left-hinged doors, the knob on the back panel should be kept in a horizontal position. For right-hinged doors, the knob should be kept vertical. Feeding the excess wire into the door, align the back panel until it is flush against the door. The lower lip of the mounting plate should fit inside the back panel. Check that the knob is in the correct orientation for your door before securing using two **C** screws in the back of the battery tray.

Left Hinge

Right Hinge
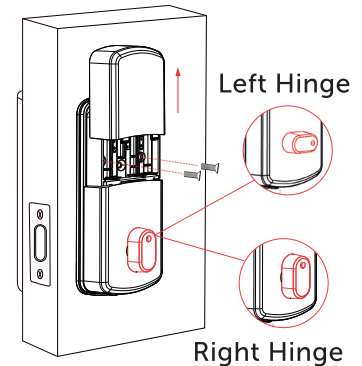
4.6 INSTALLATION - Batteries

16. Check that the deadbolt can be controlled using the indoor knob, then install a third **C** screw on the base of the back panel.
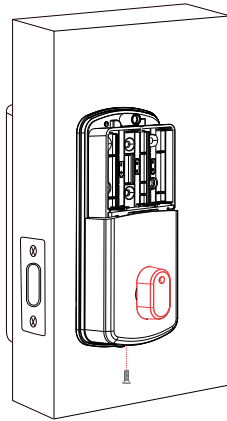
17. Install 4 AA alkaline batteries and replace the battery cover.

5.0 USER REGISTRATION - First user

Enter Setup Menu
Press 1 followed
by the # key

User management
Press 1 to select user
management, then again to
add your first administrator
user. Press # to generate a
user number automatically.

Demo mode menu layout

1#: Enter setup menu (requires authentication)

    1:   User management

        **1:   Add administrator (select user number
               from 1-5 followed by the # key,
               or press # to generate a number).**

            1:    Add fingerprint

            2:    Add tag

            3:    Add passcode (recommended)
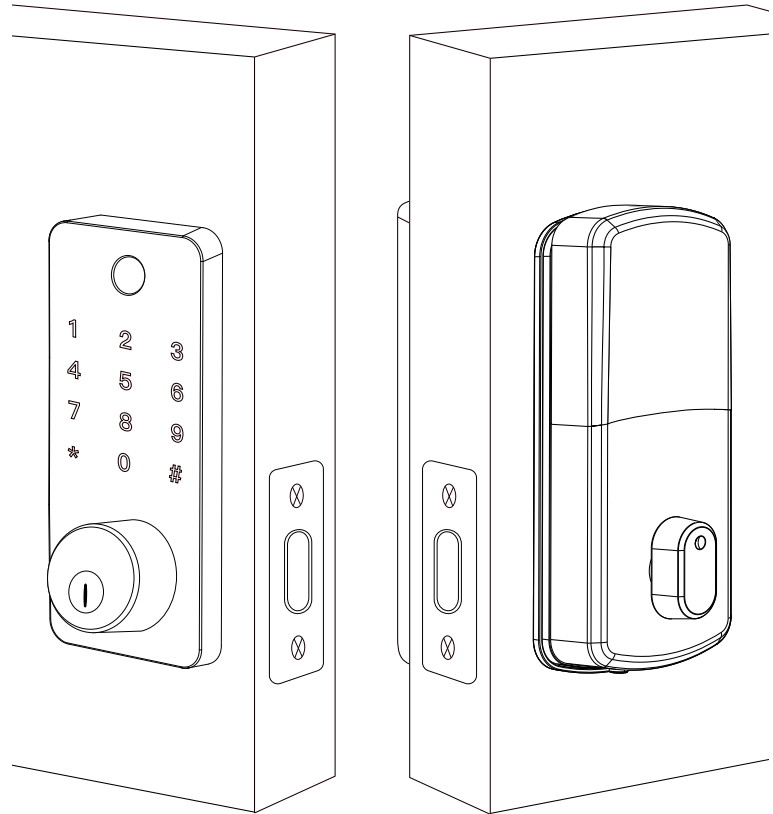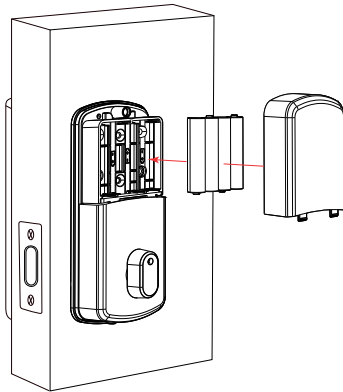
    2:   System settings

*:   Go back or cancel

#:   Confirm input

Demo mode

Your smart lock will be in demo mode until the first
administrator user is set up. Please follow the steps below
to set up the first user immediately after installation to properly
secure your door lock.

1. Wake the device by touching the keypad with the
    back of your hand.

2. Press **1**, followed by the **#** key to enter the setup menu.

3. Enter the default administrator passcode **123456**,
    followed by the **#** key.

4. Select **1** user management, and follow the prompts to
    create a new administrator user. For the first administrator,
    a passcode is recommended. For security reasons, please
    avoid common passcodes such as the default passcode, or
    codes that contain repeated numbers or birthdays. Make
    sure to remember this password or note it down in a secure
    location, as it will not be visible in the app and is required to
    change settings or manage users.

5. After adding your first user, the lock will exit demo mode.
    You can continue to add new administrators, or press ***** to
    go back and hear other options. Please turn to the next page
    for information on how to add additional users in normal
    mode, or see '**7.0 Device Operation**' for more information.

5.1 USER REGISTRATION - Additional users
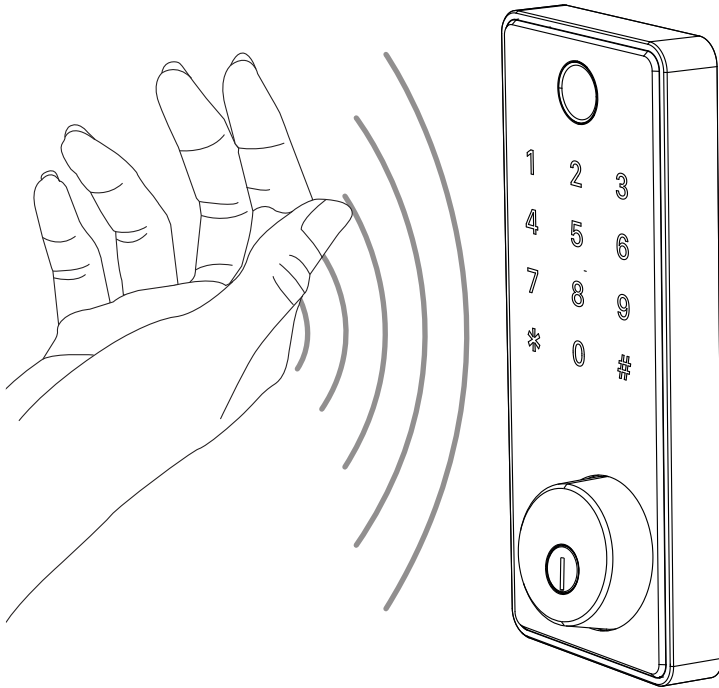
Normal mode

Once the first administrator has been set up, you can use this access to enter the administrator menu to add additional users.

1. Wake the device by touching the keypad with the back of your hand.
2. Press **1**, followed by the **#** key to enter the administrator menu.
3. Authenticate using a valid administrator password, tag or fingerprint.
4. Press **1** to select user management, then follow the prompts to create new users or administrators.

See '**7.0 Device Operation**' for more menu options.

6.0 DOWNLOAD THE APP

Home, Smart Home.

create new account

login to account
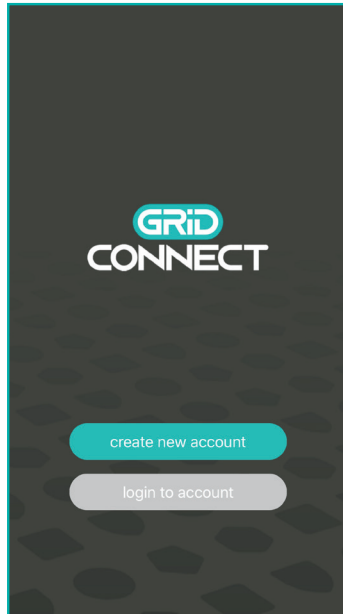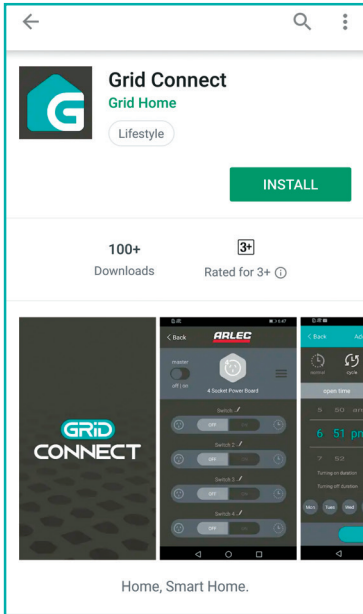
NEW ACCOUNT LOG IN SETUP

Download and install **GRID** Connect App from Play store (Android) or App store (iOS).

Open the **GRID** Connect App.

If you are a new user, tap create new account and follow the prompts to complete account setup.

create new account

Note: You must agree with the Privacy Policy to be able to use the App.

If you already have an existing account, just tap login to account and enter your login details to continue.

login to account

6.1 APP PAIRING
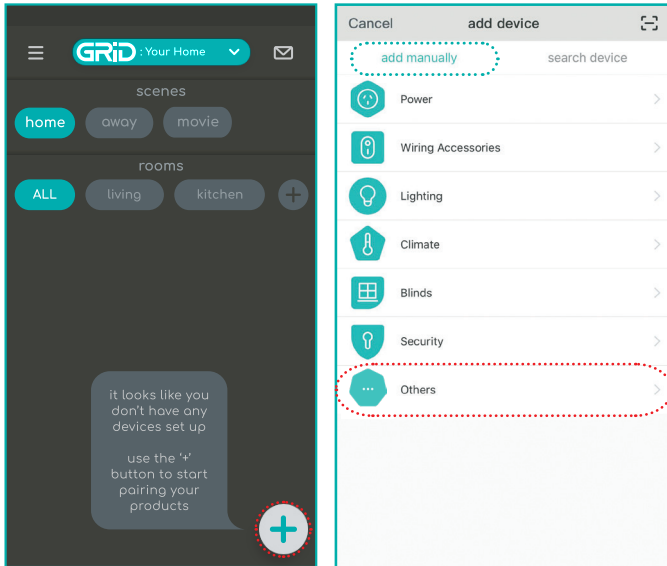
You must have at least one administrator user registered to pair this device to the Grid Connect app. If you have not registered a user yet, please follow the steps in the previous section '**User registration**' before continuing.

1. Download and install the Grid Connect app from Play Store (Android) or App Store (iOS)

2. Wake the smart lock by touching the keypad with the back of your hand.

3. Press **2**, followed by the **#** key to enter the pairing process. Authenticate using a valid administrator password, tag or fingerprint (set previously).
    The **5** key should start flashing to indicate that the lock is in pairing mode.

4. On the Grid Connect app, press ⊕ in the bottom right corner, then select **Others**.

6.2 APP PAIRING
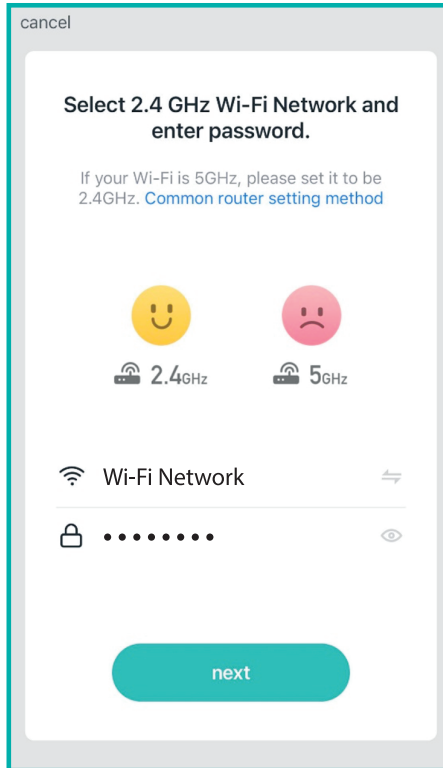
Follow the onscreen prompts, including to enter the Wi-Fi password and tap **next** to proceed.

If needed, you can tap **change network** to switch to another suitable Wi-Fi network. Follow the prompts to complete pairing.

6.3 APP OPERATION
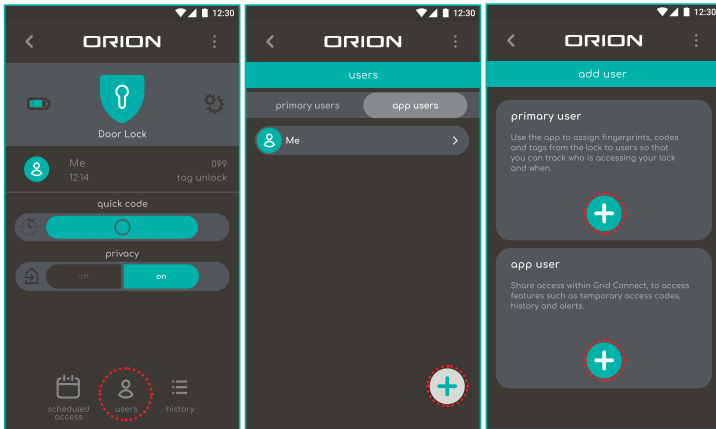
Linking users to the Grid Connect app

New users must be set up from the lock first, by following the instructions in '**5.1 User Registration**'. You can assign names to these users from the Grid Connect app to make the history logs easier to read.

Tap on the lock in the Grid Connect app to access the device. Select **users** at the bottom of the screen and tap the ⊕ icon to add a new user.

If the user has a Grid Connect account and you would like them to be able to manage your lock, add their account as a new **'app user'**. Otherwise, add them as a **'primary user'**. You will be prompted to add a name, and can then link the user to their user numbers on the lock.

6.4 APP OPERATION
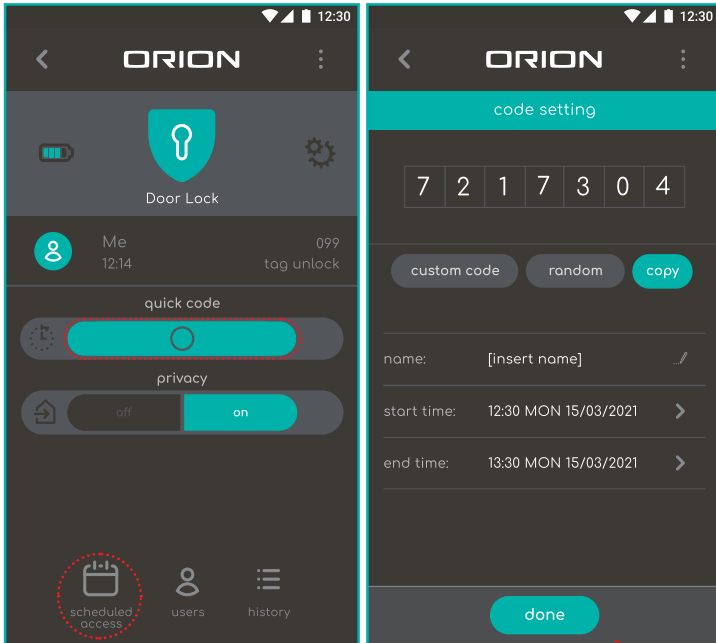
You can enter the details for the scheduled access on this screen

Providing temporary access

From the home screen, you can generate a **'quick code'** that will only be valid for the next 5 minutes.

For users that require continued access over a defined period, select **scheduled access** from the bottom of the screen. After entering the details of the scheduled access, wake the lock and press **5#** to synchronise.

Users can also request access by pressing **4#** on the lock, which will allow you to approve or ignore the request over the following 15 seconds.*****

* Quick code and remote unlock rely on network connectivity to both the door lock and phone. Phone connectivity can be either mobile data or Wi-Fi.

7.0 DEVICE OPERATION

Device actions and settings

Administrator menu

Wake device by touching the keypad with the back of your hand.

1#:　Enter administrator menu (requires authentication)

- 1:　User management
  - 1:　Add administrator
    Enter a user number from 1-5 followed by the # key, or simply press # to generate a number.
    - 1:　Add fingerprint
    - 2:　Add tag
    - 3:　Add password
  - 2:　Add regular user
    Enter a user number from 6-300 followed by the # key, or simply press # to generate a number.
    - 1:　Add fingerprint
    - 2:　Add tag
    - 3:　Add password
  - 3:　Delete user numbers
  - 4:　Delete user types
- 2:　System settings
  - 1:　Time and date (Format: YYYYMMDDHHMM)
  - 2:　Language
  - 3:　Volume
  - 4:　Two-factor authentication
- 3:　Reset device*

* This will return the device to factory settings including returning the unit to demo mode with the default administrator passcode as well as removing app access (if paired).

Other device actions

Wake device by touching the keypad with the back of your hand.

- #:　Lock door
- 2#:　Enter pairing mode
- 4#:　Request remote unlock (response window of 15 seconds)
- 5#:　Sync temporary passwords
- 6#:　Sync time with network

Auto Lock settings

Press and hold the key that corresponds to your desired setting until you hear a confirmation from the lock.

LONG PRESS '0':　Passage mode, door will not lock automatically

LONG PRESS '1':　Auto-lock after 5 seconds

LONG PRESS '2':　Auto-lock after 10 seconds

LONG PRESS '3':　Auto-lock after 15 seconds

LONG PRESS '4':　Auto-lock after 20 seconds

Note: Always check to make sure that the door has locked. The auto-lock settings could be changed at any time without notice, either accidentally or by another user.

Device reset

The device can be reset* from the inside of the lock by following the steps below.

1:　Remove the battery cover and take out at least one battery to power off the device.

2:　Press and hold the secure lock button at the bottom of the indoor panel, and continue holding this button through the next step.

3:　Replace the batteries to power the device back on, and continue holding the secure lock button until the front panel countdown has completed and the device confirms the reset.

8.0 TROUBLE SHOOTING

How do I unlock my door if the lock has run out of battery?	If your lock has run out of battery, you can still unlock the door using the mechanical keys provided. Alternatively, the lock can be powered by a portable USB power source, such as a power bank, and then unlocked as usual. After unlocking, you should replace the batteries as soon as possible with 4 new AA alkaline batteries.
How do I activate the lock after entering an incorrect code or fingerprint too many times?	If the lock receives too many invalid unlock attempts, it will be temporarily disabled for security reasons. Please wait for 2 minutes and try again.
What can I do if pairing fails with my **GRID Connect** device?	1. Check your mobile device is connected to a 2.4GHz Wi-Fi network, refer to below question for how to check Wi-Fi network frequency 2. Check password entered is correct and the same Wi-Fi network is used on the mobile device 3. Check GRID Connect device is in pairing mode, make sure the device indicator is blinking 4. Check the internet connection on your Wi-Fi network by browsing any website If your problem persists, please refer to GRID Connect website or contact Arlec Customer Service team (details below) for further assistance

How can I find out whether my network is 2.4GHz Wi-Fi?	**For iPhone Users** 1. Navigate the Settings menu and click on Wi-Fi. The suffix of your network may be denoted by either a 2.4G or 5G 2. If you are having trouble finding out if you are on a 2.4GHz Wi-Fi network, it will be necessary to obtain the information via your router. For more information on this process, please consult your specific router's manufacturer or user manual for more details **For Android Users** 1. Navigate the Settings menu and click on Wi-Fi 2. Tap the connected Wi-Fi network and the system will show the Wi-Fi Frequency
Do our current GRID products support 5GHz wireless connections?	**No -** GRID products currently do not support 5GHz wireless connection
If I forget my **GRID Connect** app account password, how can I reset my password?	If you forget your password, you can tap **forgot password** and enter your GRID Connect registered account details to get a verification code and reset your password
When I try to register for an account, the app tries to load, but does not progress to the next page. How can I fix this?	1. Navigate the Settings menu 2. Find the **GRID Connect App** and ensure it has been allowed to data usage

Visit our website for further Online Assistance or contact our Customer Service Team

grid-connect.com.au   1300 267 168
(toll free)

• WARRANTY

Arlec guarantees this product in accordance with the Australian Consumer Law and all other applicable Australian and New Zealand laws that are unable to be excluded.

Arlec also warrants to the original first purchaser of this product ("you") from a retailer with which this document is given that this product will be free of defects in materials and workmanship for a period of 12 months from the date of purchase; provided the product is not used other than for the purpose, or in a manner not within the scope of the recommendations and limitations, specified by Arlec, is new and not damaged at the time of purchase, has been maintained in accordance with the recommendations specified by Arlec, has not been subjected to abuse, misuse, neglect or damage, has not been modified or repaired without the approval of Arlec and has not been used for commercial purposes ("Warranty").

If you wish to claim on the Warranty, you must, at your own expense, return the product, and provide proof of original purchase and your name, address and telephone number, to Arlec at the address below or the retailer from whom you originally purchased the product within 12 months from the date of purchase.

Arlec will (or authorise the retailer to) assess any claim you may make on the Warranty in the above manner and if, in Arlec's reasonable opinion, the Warranty applies, Arlec will at its own option and expense (or authorise the retailer to) replace the product with the same or similar product or repair the product and return it to you or refund the price you paid for the product. Arlec will bear its own expenses of doing those things, and you must bear any other expenses of claiming on the Warranty.

For goods purchased in Australia (only):

The Warranty is in addition to other rights and remedies you may have under a law in relation to the product to which the Warranty relates.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

For goods purchased in New Zealand (only):

The Warranty is in addition to, and does not affect, other rights and remedies you may have under a law in relation to the product to which the Warranty relates.

Our goods come with guarantees that can only be excluded under the New Zealand Consumer Guarantees Act 1993 to the extent you are acquiring the product for a business purpose and it would be fair and reasonable for Arlec to contract out of those guarantees.

Arlec Australia Pty. Ltd. ACN 009 322 105 gives the Warranty for goods purchased from a retailer in Australia by you and Arlec New Zealand Limited NZBN 9429030738294 gives the Warranty for goods purchased from a retailer in New Zealand by you (collectively Arlec).

Arlec's telephone number, address and email address for purposes of giving the Warranty are:

Telephone Number:
1800 826 859 (in Australia) • 0800 003 329 (in New Zealand)

Street Address:
36 Lakeview Drive, Scoresby, Victoria, 3179, Australia

Postal Address:
PO Box 2596, Rowville, Victoria, 3178, Australia
Email: cs@arlec.com.au

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