TLJ access control ADB1-0 Smart Deadbolt Lock User Manual

Contents

TLJ access control
Part of the TLJ Group

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Product Information

The product is a door lock system that comes with various components including a front panel, back panel, fire bowl, motor tail, deadbolt, keeper, base plate, face plate, DPS magnet, screws, and a door cutting/milling template. The lock system is powered by 6 AA batteries and has an internal LED button as well as a thumbturn for manual operation. The lock also has a USB-C power bank for emergency power. The lock system features various guidance symbols such as the plus symbol for adding new user PINs and the minus symbol for deleting existing PINs. Important note: The lock system is designed to fit doors with thicknesses ranging from 1.75 inches to 2.25 inches, and users must measure their door thickness before installation. It is important to follow the door cutting/milling template provided to ensure proper lock performance. Additionally, if the fire bowl is inserted in the wrong direction, the cable may tear and will not be covered by the manufacturer's warranty.

Product Usage Instructions

Door Preparation

1. Measure the door thickness and ensure it falls within the range of 1.75 inches to 2.25 inches.
2. Using the cutting template provided, fold it around the door edge and mark the centers.
3. Use a hole saw drill bit to bore the holes as per the template.
4. Prep the face of the door using a chisel.

Installation

1. Insert the fire bowl into the bored hole from the outside of the door. Ensure that the base of the bowl is facing the inside of the door.
2. Insert the deadbolt in the unlocked state and secure it in place using 2 screws (Screw A).
3. Position the front panel on the outer face of the door and screw the 2 alignment pins into the indicated holes on the back plate to align the front and back lock panels.
4. Feed the cable through the back plate's bottom hole and position the back plate onto the door.
5. Secure the back plate using the correct length screws (Screw B or C), based on the door thickness, ensuring both front panel and back plate are straight.
6. Maneuver the cable using the black cable grips as shown by the red line.

7. Insert the motor tail and ensure its orientation is horizontal, and the thumbturn should be horizontal as well.
8. Connect the cable while positioning the back panel onto the back plate. Ensure that the motor tail slots into the deadbolt.
9. Insert 6 AA batteries and secure the battery cover and two side caps.

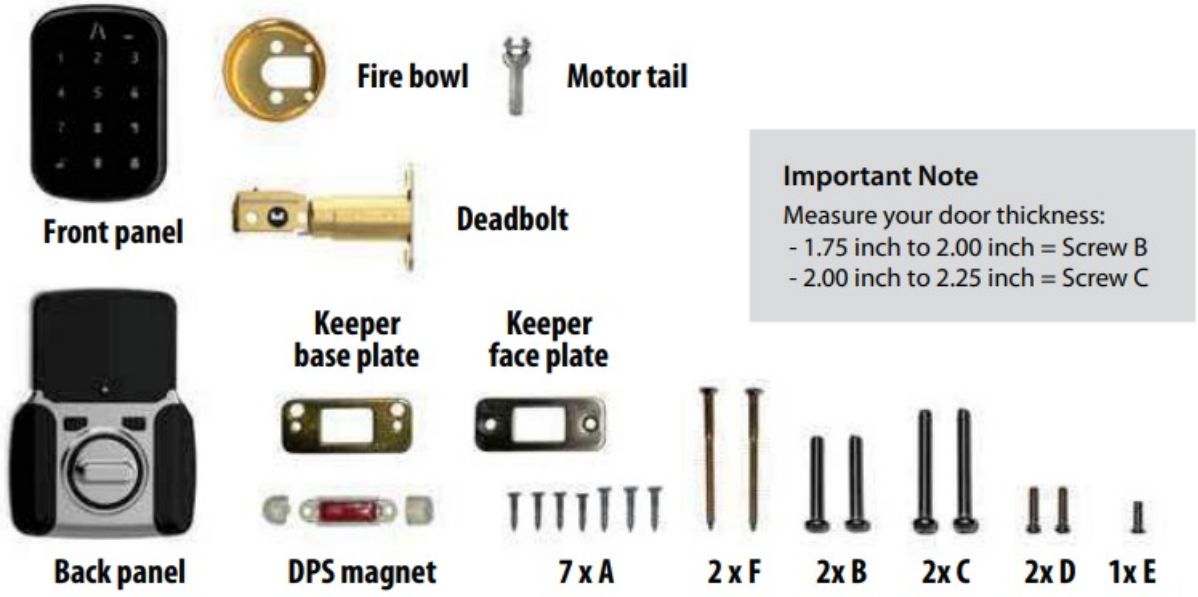
Manual Checks

1. Rotate the thumb turn twist 90 degrees towards the door edge. The deadbolt should now be applied. Repeat this process several times to ensure it is free and easy to rotate.

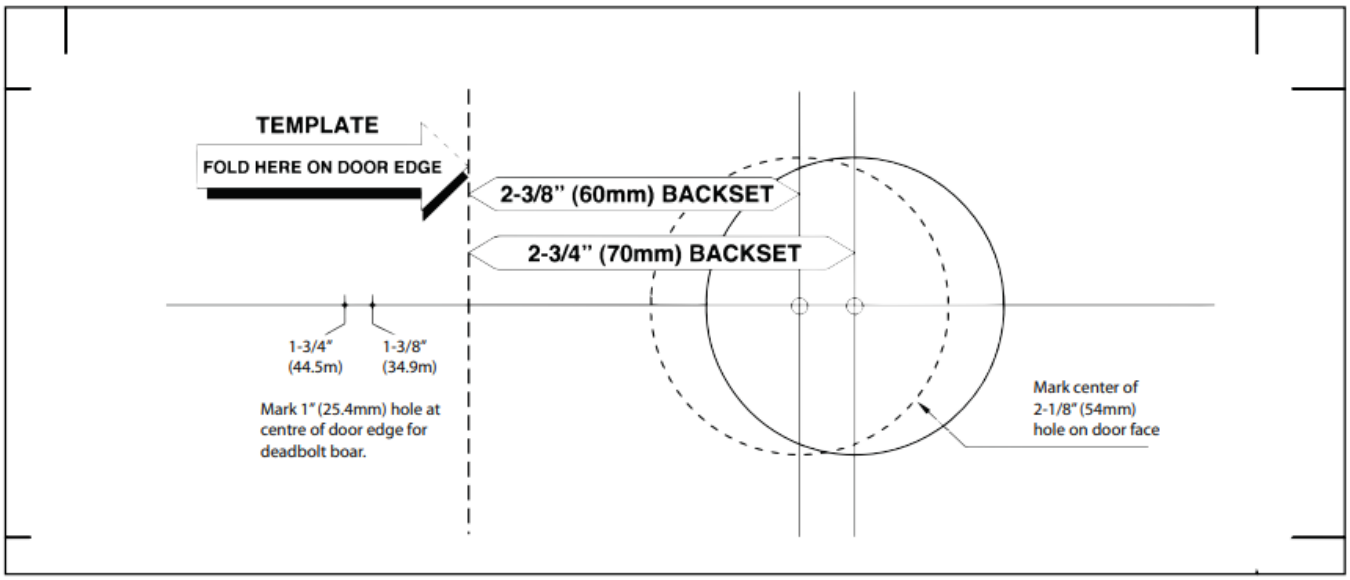
Installing the Keeper

1. Insert the two large `F' screws into the outer holes to mount the keeper.
2. Mount the keeper faceplate using two screws (Screw A).

Box Contents

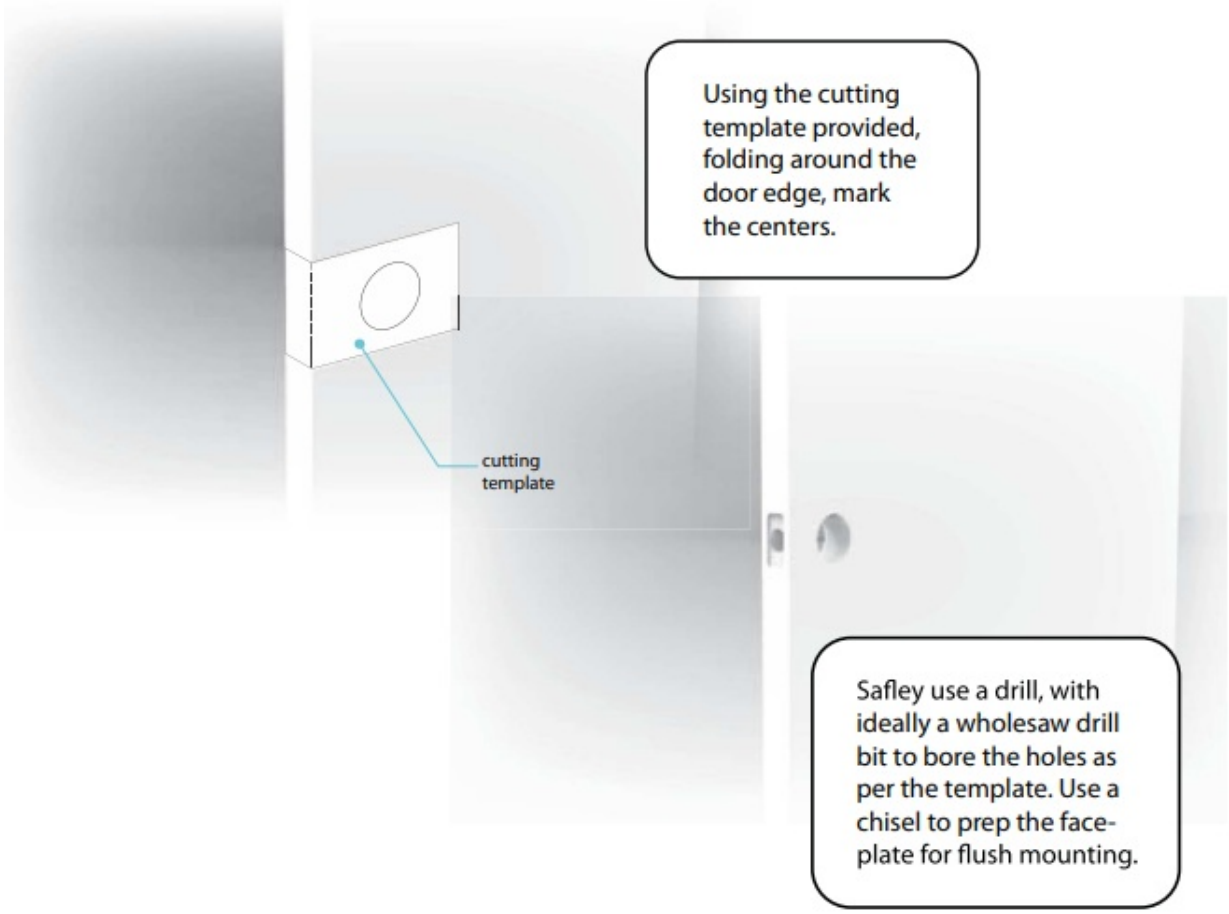


Door Cutting/Milling Template



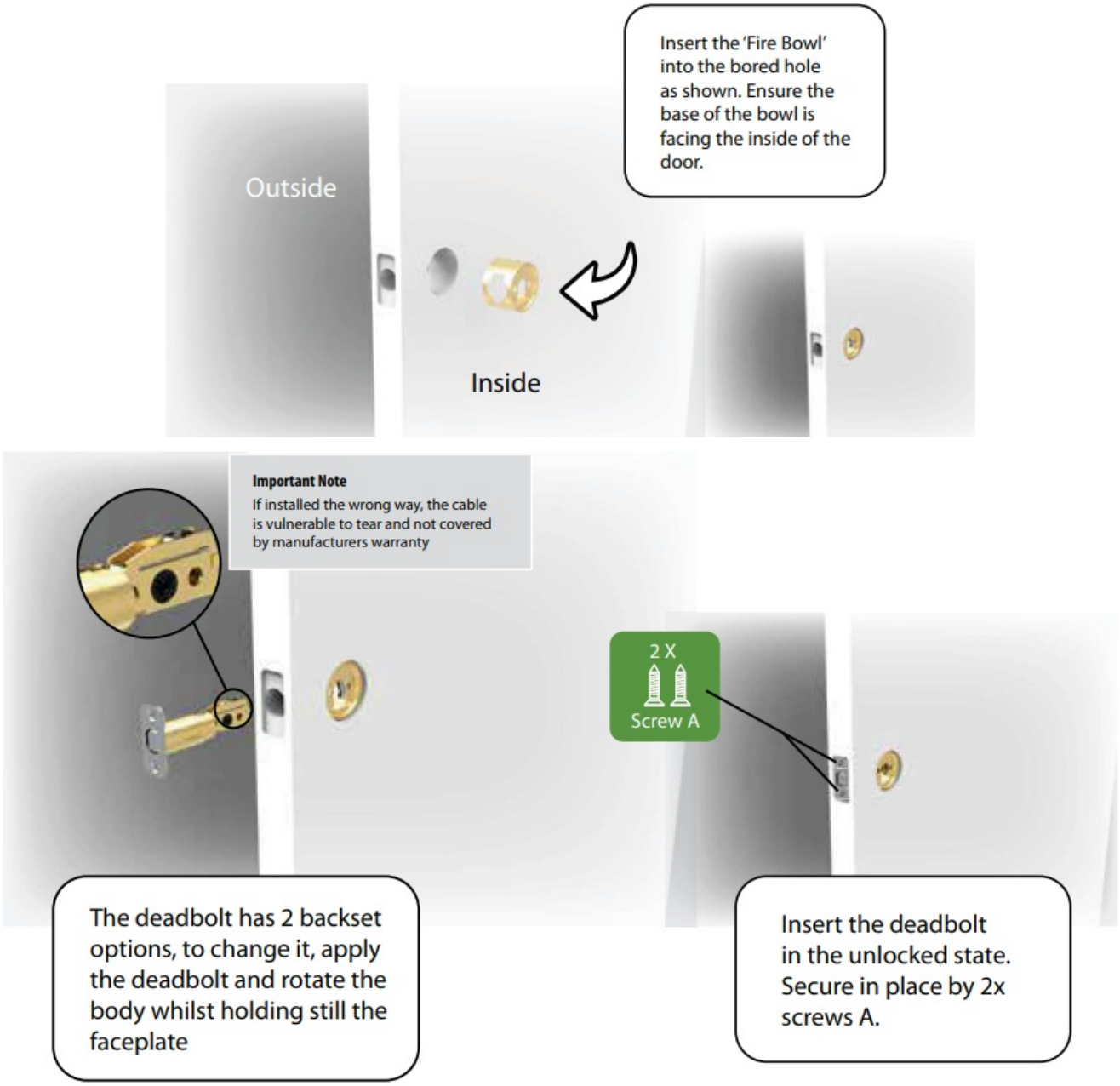
Installation
Tools Required

Door preparation

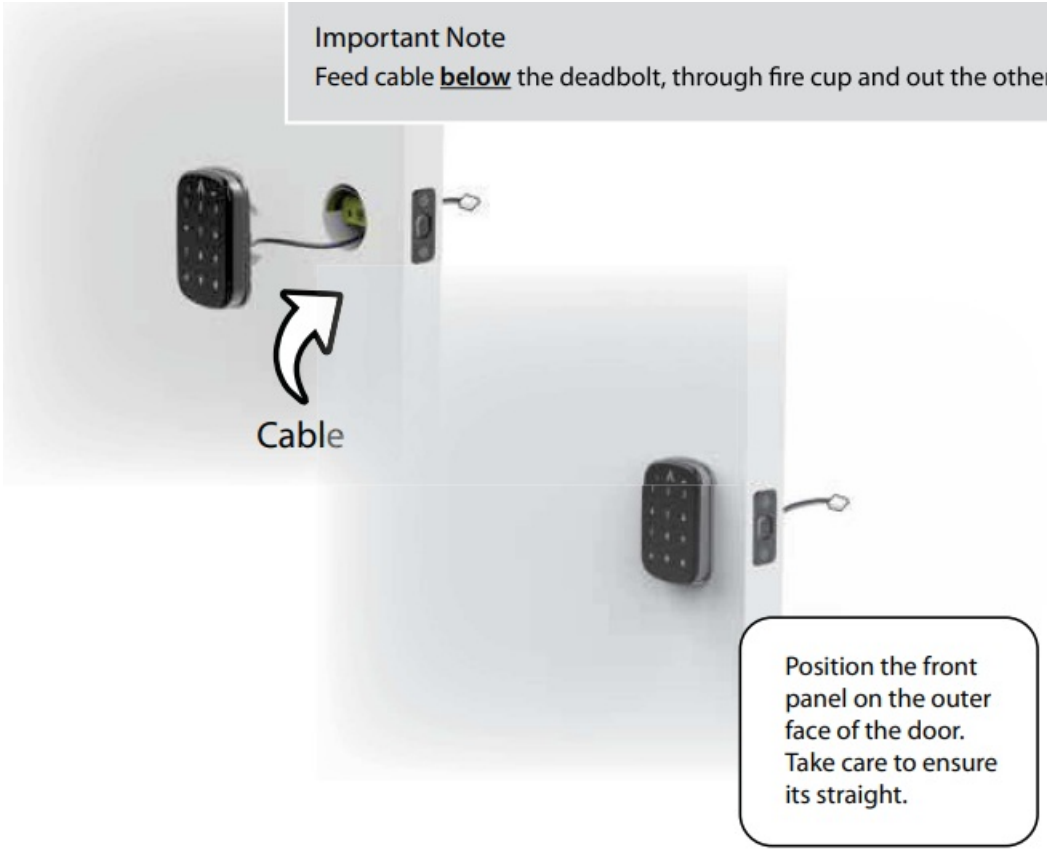


Important Note
The door preparation is critical to the fre integrity of the full door set, so ensure to follow the template provided. Additiona lly, lock performance can be effected when door preperation is not accurate.

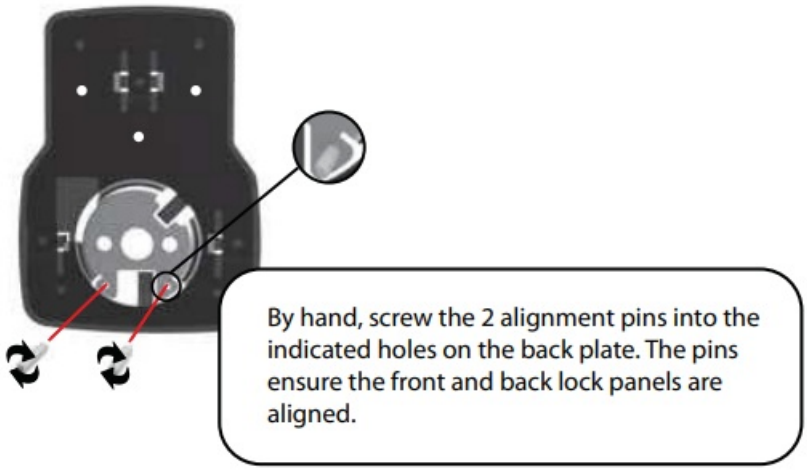
Affxing fire bowl & deadbolt

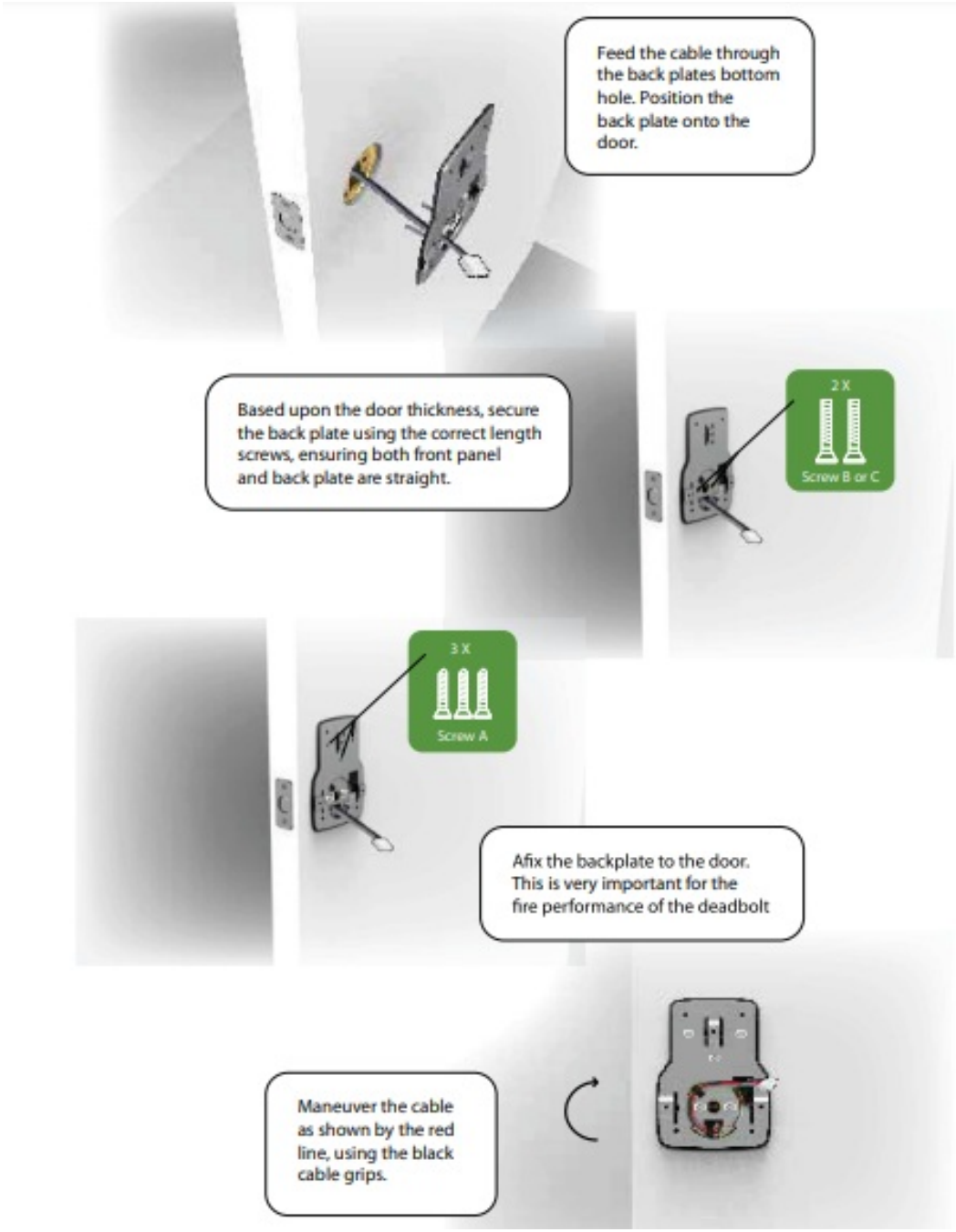


Mounting front pad

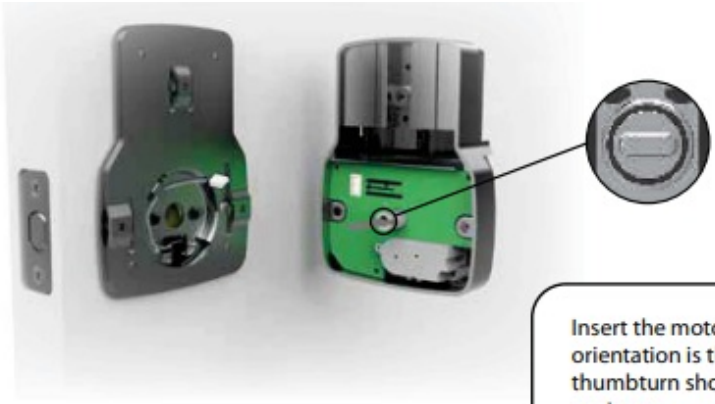


Affixing the backplate



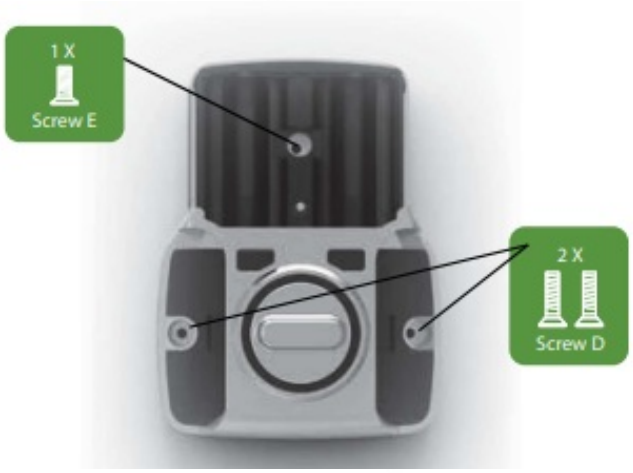


Mounting the back panel



Insert the motor tail and ensure its orientation is then horizontal, the thumbturn should as be horizontal as shown.

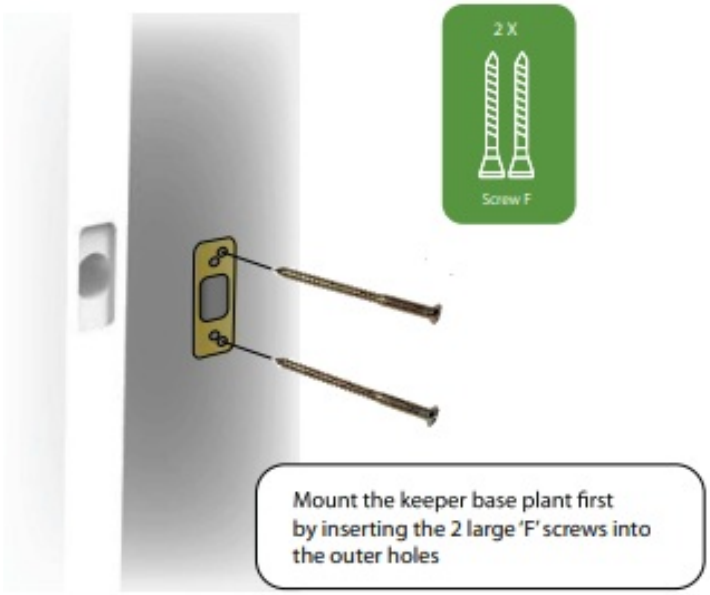
Connect the cable as shown, whilst positioning the back panel onto the back plate. Ensure the motor tail slots into the deadbolt.



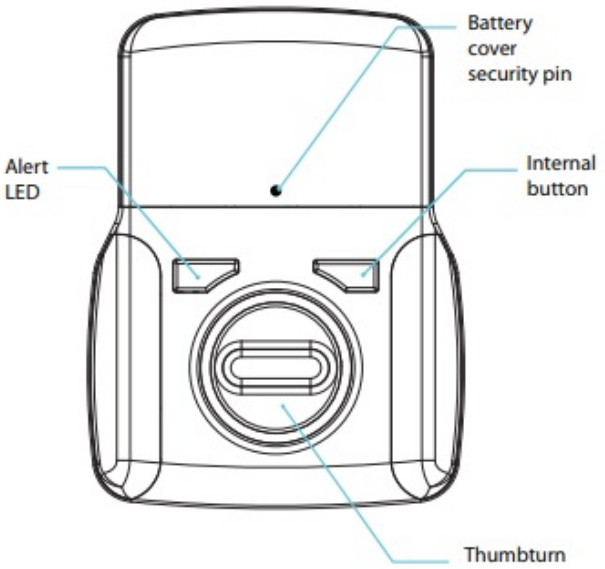
Insert 6 x AA batteries.
Secure the batery cover & 2 x side caps

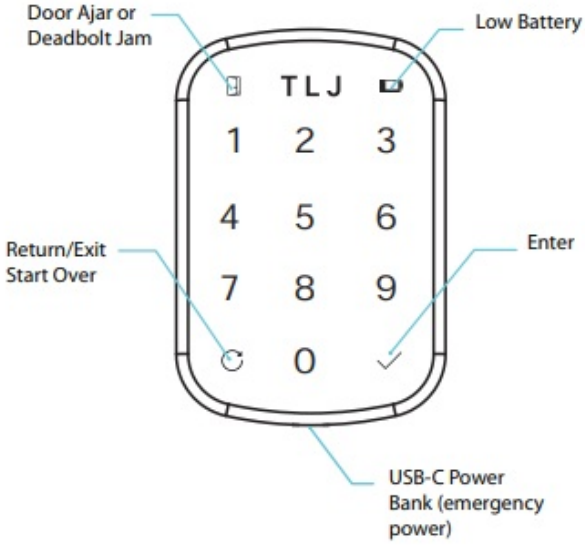
Manual checks

Installing the keeper

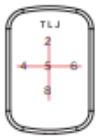

2 X
Screw F
Mount the keeper base plant first by inserting the 2 large 'F' screws into the outer holes


2 X
Screw A
Now mount the keeper face plate using 2 x A screws.


Battery cover security pin
Alert LED
Internal button
Thumbturn


Door Ajar or Deadbolt Jam
Low Battery
TLJ
1 2 3
4 5 6
7 8 9
0
Return/Exit Start Over
Enter
USB-C Power Bank (emergency power)

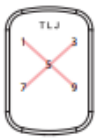
Guidance Symbols



Add
The plus symbol will illuminate when the user is inputting a new PIN, i.e. 'Add new User PIN' or 'Create the Master PIN'

Success
The letter Y symbol will illuminate when the user has successfully completed an operation or changed a setting

Delete
The minus symbol will illuminate when the user is removing an exisiting PIN, i.e. 'Delete User PIN' or 'Delete Admin User PIN'



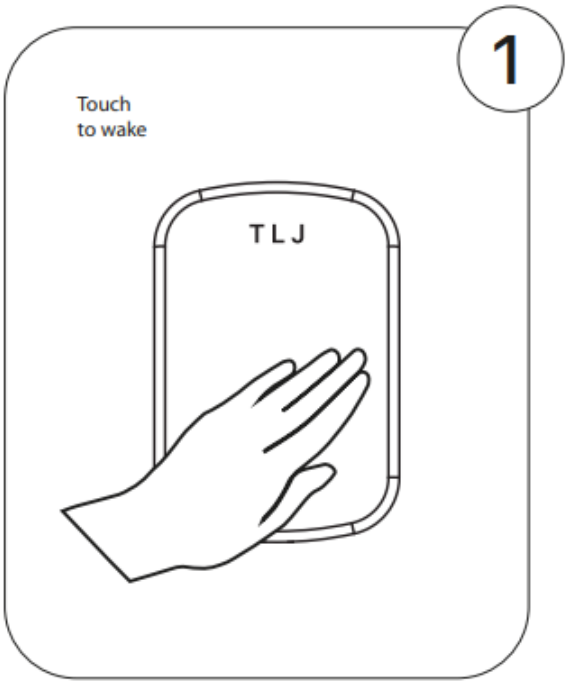
Failure
The letter X symbol will illuminate when there has been an error such as inputting an incorrect User PIN or inputting an invalid setting parameter

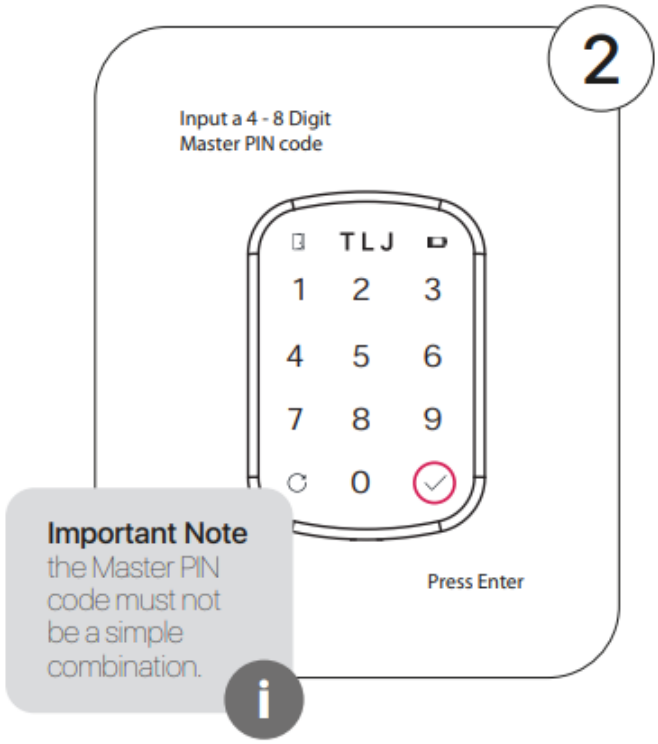
Master
The letter M symbol will illuminate when the user is required to input the Master PIN code, i.e. 'Input Master to access the Menu'

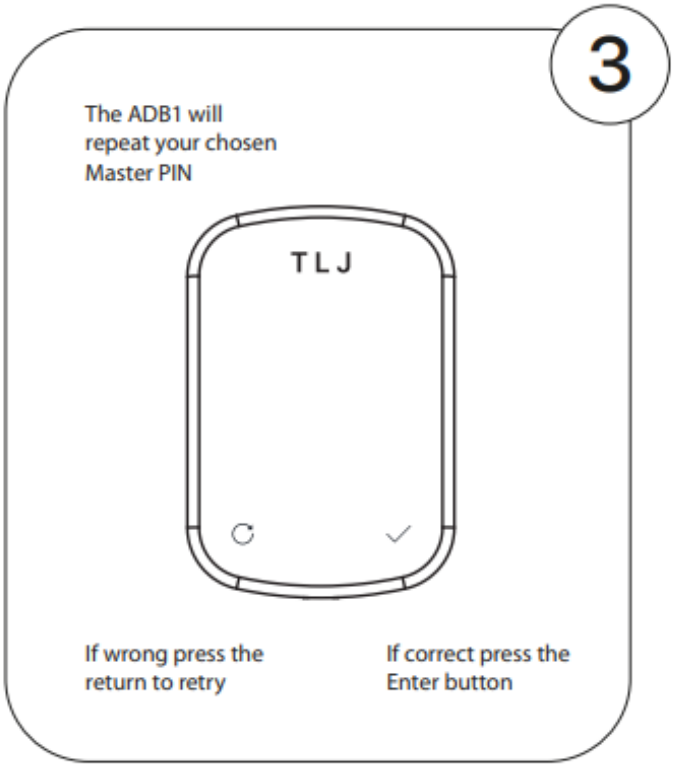
Initial Setup

Creating the Master PIN Code

This must be performed after installation or following any factory reset. Programming the ADB1.0 is not possible until a Master PIN Code has been created.





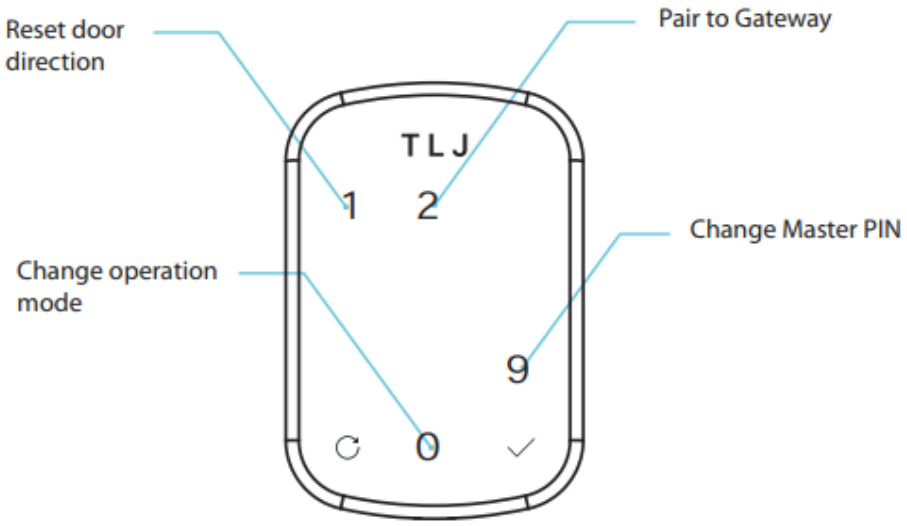


Important Note
Default mode is Z-Wave. ADB1.0 will automatically select the directional handing after the Master PIN has been set.

Operation Mode
The Zpad has 2 different operations; Z-Wave (controlled and managed by a 3rd party platform via a gateway) & DIY (to be controlled and managed manually using the onboard menu)

Operating Mode – Z-WaveTM

(option 1)



Important Note
To enter the Menu, press and HOLD the Enter key for 3 Secs, followed by Master PIN and Enter.

- **1 – Reset door direction**

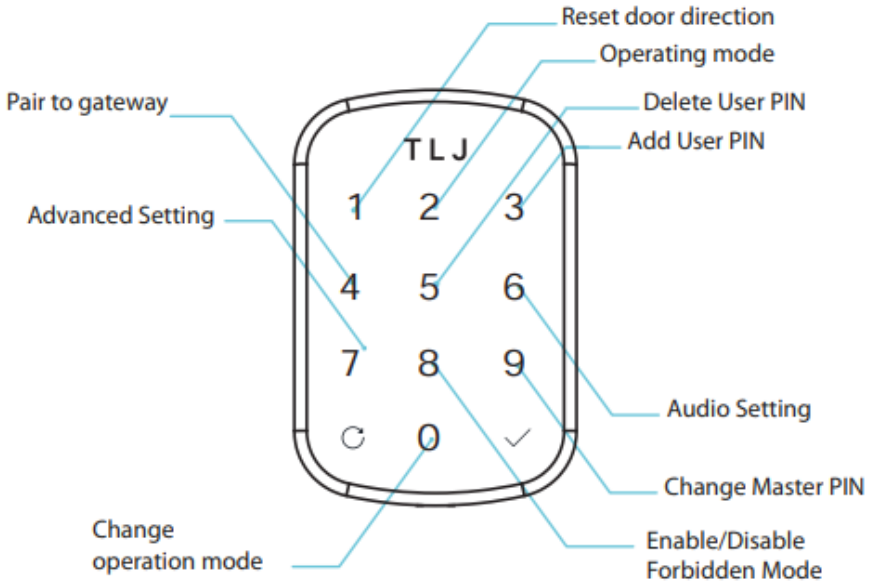
  The ADBI .O automatically determines which direction is lcxk and which is unlock, following the Master PIN

being set successfully. If the ADBI .O is installed on a different door, then maybe this direction logic needs to be determined again.

- **2 – Pair/Unpair to a Z-WaveTM Gateway**
  Ensure to enter the Gateway into inclusion/exclusion mode at the same time, the ADBI .O will timeout after 60 seconds of inactivity. When inclusion or exclusion is finished the ADBI.O will sound audible and return to the Main Menu.
- **9 – Change Master PIN**
  Please note the Master PIN should not be too simple. It must be 4-8 digits in length. Once inputted press the Enter Key, and watch the ADBI.O recall it, if correct press Enter.
- **O – Change the operating mode**
  1 = Z-Wave mode, controlled by a 3rd party via a gateway 2 = DIY mode, controlled manually by the onboard menu

DIY (option 2)

Onboard Menu



Important Note
To enter the Menu, press and HOLD the Enter key for 3 Secs, followed by Master PIN and Enter.

- 1 – Reset door direction The ADBI -O automatically determines which direction is lock and which is unlock, following the Master PIN being set successfully. If the ADBI-O is installed on a different door, then maybe this direction logic needs to be determined again.
- 2 – DIY Operating Mode There are 2 options; 1 = Auto (Default), 2 = Manual Lock, i.e. stays unlocked until user locks it.
- 3 – Adding PIN codes or RFID tages (card, fobs etc 13.56Mhz) There are 2 type of users, 1 = Normal User, 2 = Admin User. Normal users can only unlock/lock the door when forbidden is not enabled, where as an Admin user can. RFID credentials utilise the strictly 10 digit decimal UID (unique identifer) which is usually printed on the card itself. If not, then an encoder will be required to read the UID or even an NFC compatible smartphone utilising a freeware NFC app

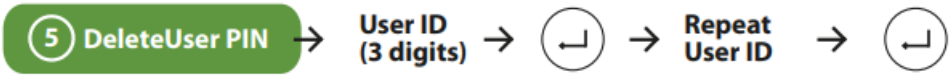
A User ID is a 3 digit reference number which is attached to a User PIN. The user's name should be logged on the 'Users List' on page X of this user guide against the User ID in the first column. This allows User PIN (even if not known) to be deleted at a later date, as long as the User List is kept safe or course!

- **4 – Pair/Unpair to a Z-WaveTM Gateway**

  Ensure to enter the Gateway into inclusion/exclusion mode at the same time, the ADBI-O will timeout after 60 seconds of inactivity. When inclusion or exclusion is finished the ADBI-O will sound audible beeps and return to the Main Menu.

- **5 – Delete User PIN/RFID credentia**

  l Refer to the User List, to collect the 3 digit User ID which should be deleted. The User List is on page X of this user guide, or perhaps on a self made list. Without the User ID, the ADBI-O must be Factory Reset which will delete ALL User PINS.

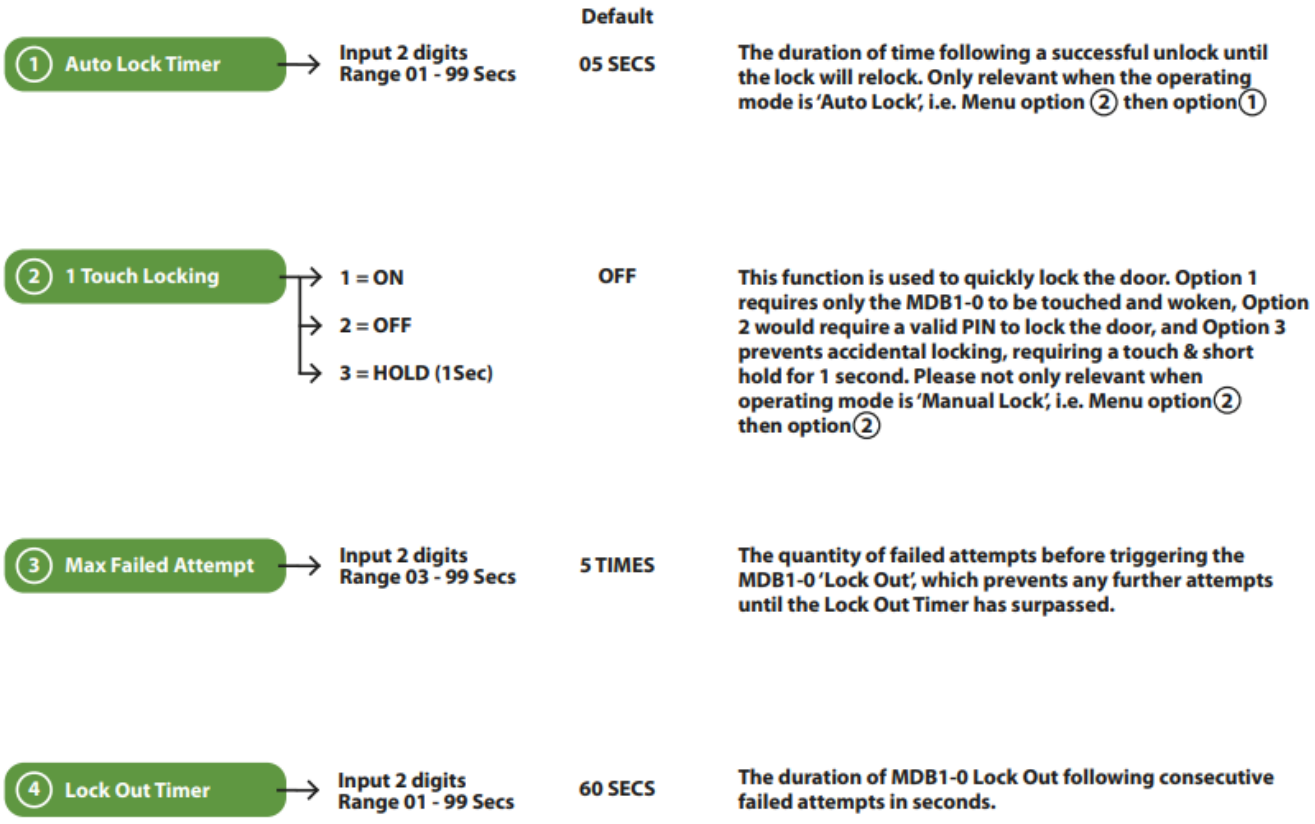


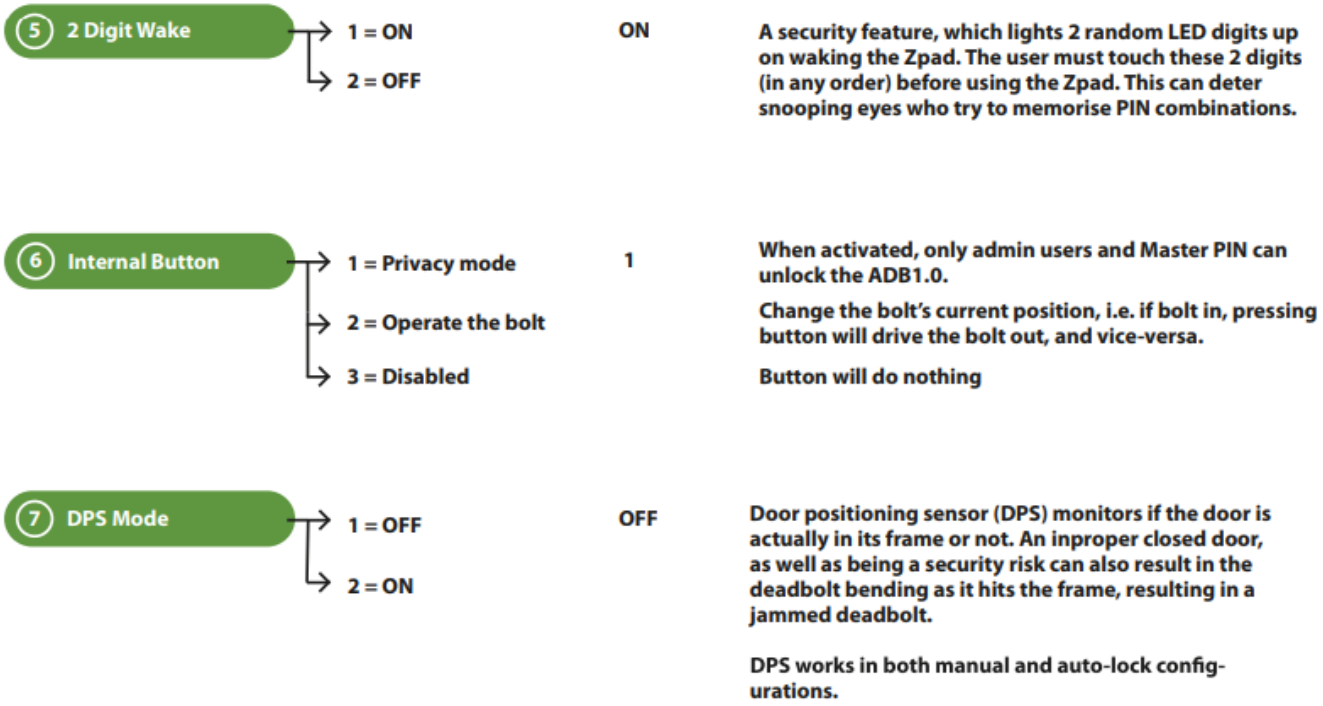
- **6 – Noise Setting**

  There are 3 options; 1 = Silent mode (except when using the onboard menu) 2 = Noise on (Default) 3 = Silent mode except major alerts

- **7 – Advanced Setting**

  The ADBI-O has configuration options, below lists them alongside their default value.

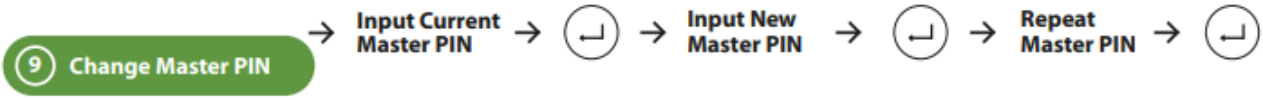




Important Note
DPS (Door Position Sensor) allows the ADB1.0 to know if the door is in its frame, i.e. fully closed. This can help protect against deadbolt miis-use and thus bending/jamming.

- **8 – Forbidden Mode**

  There are 2 options; 1 = Forbidden Mode Enabled & 2 = Forbidden Mode Disabled (default). Forbidden Mde stops ALL users normal and admin from operating the Zpad. It can be enabled and then disabled later, i.e. useful when all access needs to be stopped but then granted again, without deleting and re-adding users. Please note the Master ccxie can still operate the Zpad even in Forbidden Mode.
- **9 – Change Master PIN**



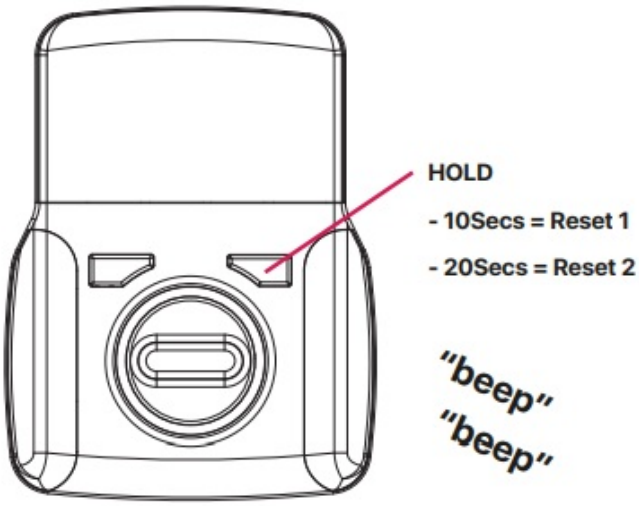
  Note, the Zpad will not accept Master PINs which are too simple, i.e. 123456 or 111222. The Master PIN must be between 6 – 8 digits in length. If the current Master PIN has been forgotten, then a Factory Reset will be required.
- **O – Change the operating mode**

  1 = Z-Wave mode, controlled by a 3rd party via a gateway

  2 = DIY mode, controlled manually by the onboard menu

Factory Reset

There are 2 types of Factory Reset, both detailed below



Factory Reset 1

- There are 2 types of Factory Reset, both detailed below.
- Reset all configurations to default status
- Delete access for all users and user types
- Delete the current Master PIN
- Delete the current Operating Mode
- Delete the derectional handing
- Gateway NOT deleted

Factory Reset 2

As per Factory Reset 1 Gateway pairing deleted

Users List – Keep It Safe

User Slot	User Type	User Full Name
001	Admin	Mr John Doe
250	Normal	Mrs Jane Doe

* This Users List is only partial, it is recommended to duplicate and extended it, then keep safe.

Troubleshooting

Symptom	Recommended Action
ADB1.0 does not respond	- Change batteries - Try pressing a different area on the touch screen - Try pressing a little firmer on the touch screen - Ensure batteries are installed correctly
ADB1.0 LED's appear dim	- Change batteries - Ensure batteries are installed correctly
ADB1.0 accepts access credential but does not unlock the door	- Change batteries - Pull & push the door at the same time as attempting unlock - Check keeper in frame is aligned with bolt, doors bulk & shrink
ADB1.0 does not auto lock	- Ensure Auto-Lock Mode is enabled - Try lowering the Auto Lock timer - Check the DPS alignment & DPS settings
Access Credentials cannot be enrolled into the ADB1.0	- Ensure the memory is not full - Ensure the User ID is not taken already, check the Users List - Ensure the PIN/RFID key is not already enrolled - UserIDs must be entered within 5 secs or it will timeout
Access credential is correct but is not accepted by the ADB1.0 (4 5 6 LEDs light)	- Forbidden mode is enabled, only Admin users or the Master PIN can unlock the door
Access credential is correct but is not accepted by the ADB1.0 (alarm chirp sounds)	- The ADB1.0 is in Lock Out mode following several incorrect access attempts, await the timer to expire and try again
The ADB1.0 makes a short chirp sound when its woke	- This is the low battery alert, change batteries asap.

For Technical Support please visit www.TLJlimited.com or contact your local representative

Important Note
Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

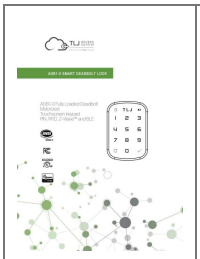
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be and 0#rated with a minimum distance of 20cm betwæn the radiator & your This transmitter must not be co-lcM3ated or operating in conjunction with any other antenna or transmitter.

TLJ Group Limited
HQ: 68/78 Leads Road, Hull, East Yorkshire, HU7 0BY, UK

Documents / Resources

	TLJ access control ADB1-0 Smart Deadbolt Lock [pdf] User Manual TLJADB1-0, 2AZBY-TLJADB1-0, 2AZBYTLJADB10, tljadb1 0, ADB1-0 Smart Deadbolt Lock, ADB1-0, Smart Deadbolt Lock, Deadbolt Lock, Lock