KEYLESS SOLUTIONS

KSL

Smart Leverset

Installation and set-up guide

Hinged doors, tubular latch



Fingerprint, code or app.

Keep this guide with the lock.

KEYLESS SOLUTIONS

09 238 2377

sales@keylesssolutions.nz

keylesssolutions.nz

Before you start

Read this page first. If anything here is unclear, call us before you drill.

In this guide

Know your lock 3
In the box 4
Check your door 5
Set the latch and plate 6
Mark the door 7
Drill the door 8
Install the lock 9
Install the strike 10
Power up and test 11
Set up the TTLock app 12
Fingerprints and codes 13
Everyday use and care 14
Reset and troubleshooting 15
Specifications and warranty 16

You will need

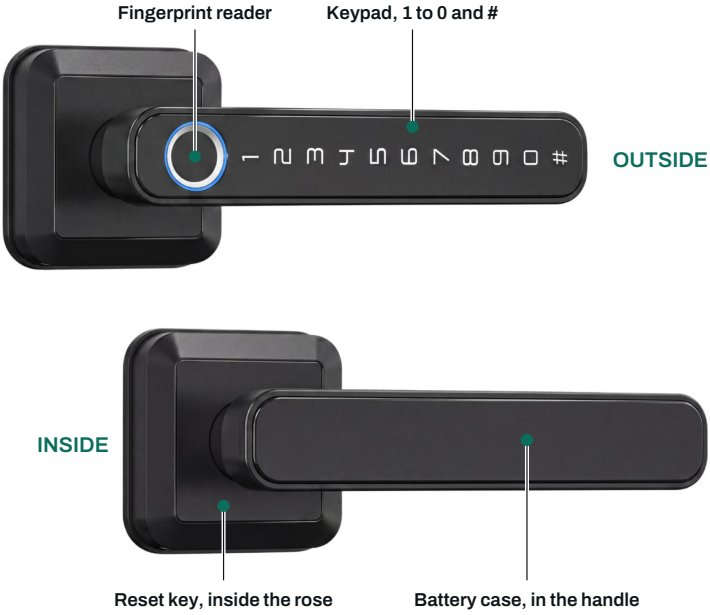
- Pencil and square
- Tape measure
- Drill with a 50 mm hole saw
- 25 mm spade or auger bit for the edge bore
- Sharp chisels for the faceplate and strike rebates
- Screwdrivers and a hex key
- Batteries for the inside handle

Important

- Whoever will OWN the lock sets up the TTLock app. The account that adds the lock controls it, so an installer should never add it on their own phone.
- Test a fingerprint, a code and both levers with the door OPEN before you close it for the first time.
- The door must be flat where the handles sit. Never pinch the cable between the handles and the door.
- On an escape route or a fire door? Check with us before you install any smart lock.

Know your lock

The outside lever carries the fingerprint reader and the keypad. The inside handle carries the batteries.



Three ways in

Fingerprint	Code	TTLock app
on the reader	on the keypad	beside the door

Good to know

- The lock holds up to 300 users. Codes are 6 to 9 digits.
- Fingerprints and codes never need the internet. Away from home, add our Wi-Fi gateway.

In the box

Check every part before you start. Do not begin without the fixing kit in front of you.

Part	Qty
Outside lever, fingerprint reader and keypad, with its cable	1
Inside handle, battery case in the lever	1
Tubular latch, set for a 60 mm backset	1
Strike plate and strike box	1 each
Spindle	1
Connection poles	2
Mounting plate, marked 38 and 41	1
Rubber gaskets, marked 38 and 41	2
Fixing screws	1 set
Paper instructions and paper drilling template	1 each
Card drilling template and this guide	1 each

Before you go on

- Anything missing or damaged? Stop and call us on 09 238 2377 before you drill.
- Keep the small parts in their bags until the step that uses them.
- This guide is for the KSL with a square base. If yours has a round base, call us before you drill.

Check your door

Backset. The distance from the door edge to the centre of the lever. The KSL comes on a tubular latch set for 60 mm, and the latch can be moved to 70 mm (page 6). One 50 mm hole through the door takes the latch, the spindle, the two poles and the cable.

Card. The card template in the box carries both backsets: fold it on the one you set the latch to.

Handing. Note which side the hinges are on, seen from outside, and whether the door opens away from you or towards you. If you are not sure the levers suit your door's hand, call us before you install them.

Is the KSL right for this door?

- A hinged door with room on its face for the handles and a 50 mm hole, 60 or 70 mm in from the edge.
- The KSL is not made for sliding doors.
- An aluminium door or frame, or a door exposed to the weather: ask us first.
- An escape route or a fire door: check with us before you install it.

Not sure about your door?

Call us before you drill. A misdrilled door cannot be undrilled.

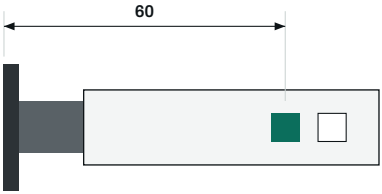
09 238 2377
027 8 ACCESS (222 377)
sales@keylesssolutions.nz

Set the latch and plate

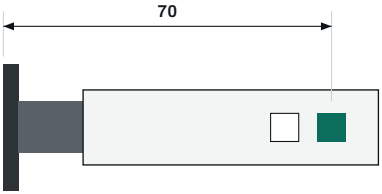
Two settings to make on the bench, before you install anything.

1 The latch: 60 or 70 mm backset

The latch comes set for 60 mm. For a 70 mm backset, move its square spindle hole to the second position, further from the faceplate, before you install it. Set it to match the fold you use on the card.



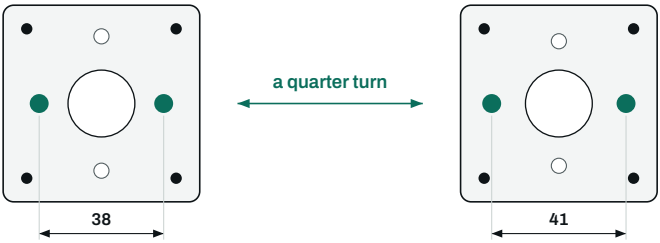
As supplied: 60 mm



Moved: 70 mm

2 The mounting plate: 38 or 41

The mounting plate and both gaskets are marked 38 and 41: the spacing of the two connection poles. If the poles on your outside lever do not line up with the plate, undo its four screws, turn the plate a quarter turn and put it back.



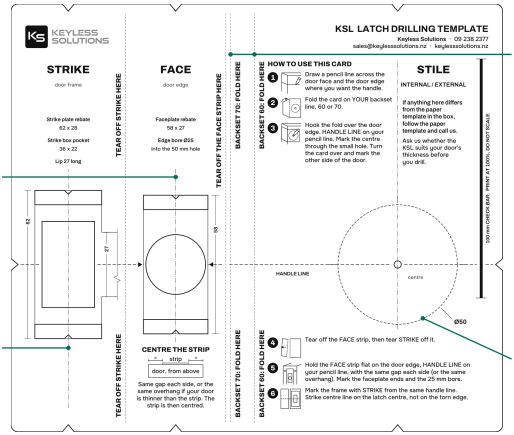
Set for 38 Set for 41

Not sure?

- If the latch or the plate will not change over by hand, stop and call us on 09 238 2377. Never force them.

Mark the door

Use the card template that came with this guide. It is true size: never scale it. Its 100 mm check bar must measure exactly 100 mm.



Two fold lines, BACKSET 60 and 70: fold on yours

FACE strip: tear it off and hold it flat on the door edge

STRIKE: tear it off the FACE strip to mark the frame

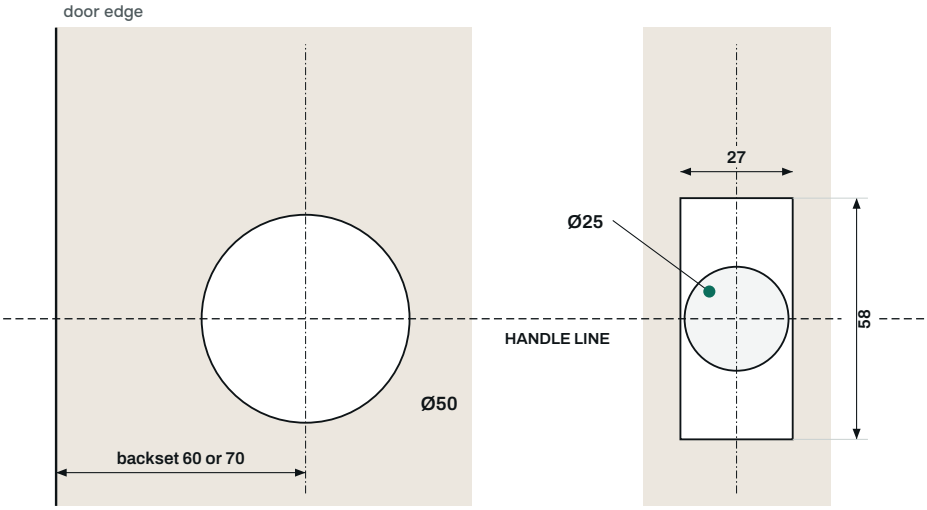
STILE: the 50 mm hole, with a small centre hole

1. Draw a pencil line across the door face and the door edge where you want the handle.
2. Fold the card on YOUR backset line, 60 or 70.
3. Hook the fold over the door edge. HANDLE LINE on your pencil line. Mark the centre through the small hole. Turn the card over and mark the other side of the door.
4. Tear off the FACE strip, then tear STRIKE off it.
5. Hold the FACE strip flat on the door edge, HANDLE LINE on your pencil line, with the same gap each side (or the same overhang). Mark the faceplate ends and the 25 mm bore.
6. Mark the frame with STRIKE from the same handle line. Strike centre line on the latch centre, not on the torn edge.

> **If anything here differs from the paper template in the box, follow the paper template and call us.**

Drill the door

All sizes in mm, from the handle line. The card marks all of this for you.



DOOR FACE, both sides

DOOR EDGE

50 mm hole. Centre on the backset line and the handle line. Drill square to the door, halfway from each face, so neither side breaks out.

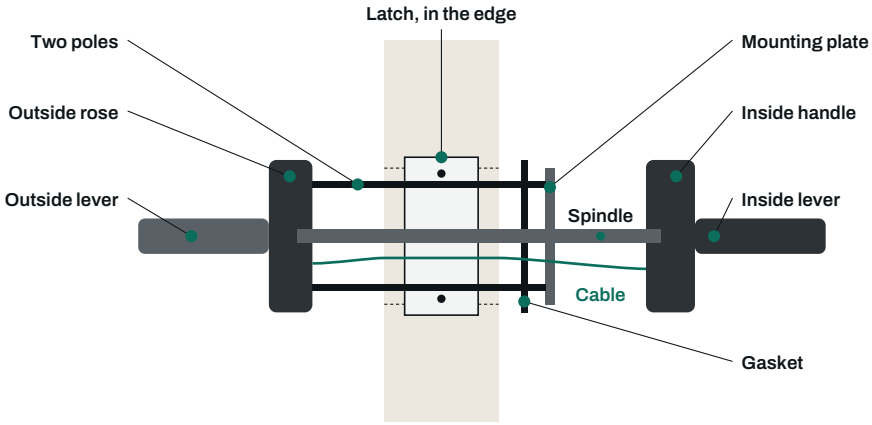
Edge bore. Ø25, square to the edge and centred on the door thickness, into the 50 mm hole. Test the latch in it: it must go fully home.

Faceplate rebate. 58 x 27 mm, deep enough that the faceplate sits flush with the edge. Try the latch in place, then mark its screw holes from the faceplate itself.

> **If anything here differs from the paper template in the box, follow the paper template and call us.**

Install the lock

Looking at the door edge. Parts are drawn pulled apart so you can see the order.



OUTSIDE DOOR INSIDE

1 Install the latch
Set to 60 or 70 (page 6), bevel facing the way the door closes. Push it into the edge bore and screw the faceplate on flush. It must slide freely by hand.

2 Free the mounting plate
Undo the screws on the back of the inside handle with the hex key and lift off the mounting plate.

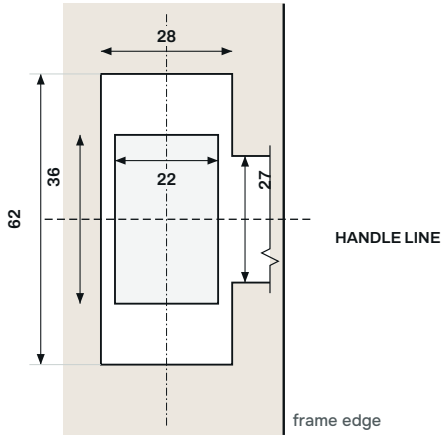
3 Outside lever
Screw the two poles into the back of the outside rose. Feed the poles, the spindle and the cable through the 50 mm hole and hold the lever flat on the outside face.

4 Mounting plate
From inside, put on a gasket and then the plate over the poles, as the paper instructions show, and fasten the plate to them. Snug, not crushing. Check it is set for your poles, 38 or 41 (page 6).

5 Inside handle
Plug the cable in, then put the handle on the plate and do up its screws. Never pinch the cable. Both levers must spring back freely.

Install the strike

On the door frame, from the STRIKE part of the card.



Strike plate rebate
62 x 28 mm

Lip
27 mm long

Strike box pocket
36 x 22 mm

Centre line
in line with the centre of the latch when the door is shut

1. **Mark the frame**
   Door open. STRIKE handle line at the same height on the frame, its centre line on the latch centre. Never line the card's torn edge up with the frame edge.
2. **Cut and install**
   Cut the pocket deep enough for the strike box, and the rebate so the strike plate sits flush. Lay the strike plate itself on the frame to mark how far its lip runs and where its screws go. Install the strike box, then the strike plate.
3. **Close it gently**
   The door must latch without being pushed or lifted. If it will not, move the strike, never the lock.

If anything here differs from the paper template in the box, follow the paper template and call us.

Power up and test

Keep the door OPEN for every test on this page.

1. **Batteries**
   Open the battery case in the inside handle and put in the batteries the right way round.

2. **Both levers**
   Try the levers from both sides. The latch must slide in and spring back freely. If one binds, loosen the inside handle, re-seat it and tighten again.

3. **Set up the app**
   Add the lock to the owner's TTLock app now (page 12), then enrol a fingerprint and make a code (page 13).

4. **Test each way in**
   A fingerprint, a code and the app. Each one must open the lock.

5. **Now close the door**
   Only when all of the above work. Close it gently: the latch must go into the strike without catching.

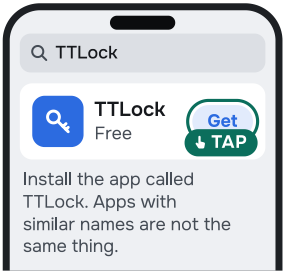
Batteries

- Use good quality batteries and change them once a year. Cheap ones die fast.
- Change them all together, and never mix old and new.
- Do not let them run flat. If they do, call us on 09 238 2377.

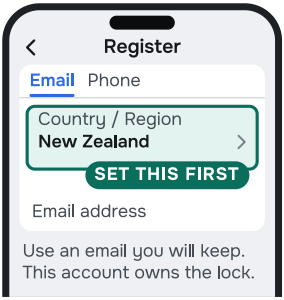
Set up the TTLock app

TTLock is free. Do this standing beside the lock with Bluetooth on, on the OWNER's phone, door open.

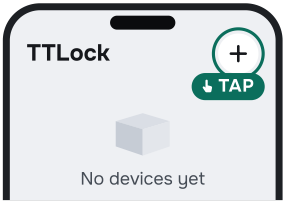
1. **Install TTLock**
   From the App Store or Google Play. Apps with similar names are not the same.
2. **Make an account**
   Your own email or mobile number, country New Zealand. This account owns the lock. Set the security questions: they are how you get back in on a new phone.
3. **Add the lock**
   Press +, then choose All Locks. Keep touching the keypad so the lock stays awake while the app searches, and stay within 2 metres. Tap it when it shows a +.



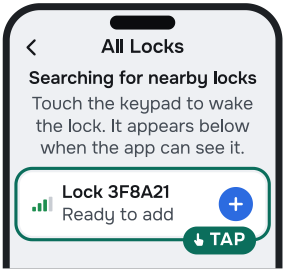
A Find TTLock



B Make an account



C Press +



D Wake it, tap +

4. **Name it**
   Front door, not Lock_1.
5. **You first**
   Enrol your own fingerprint and make your own code (next page) before anyone else's.

App screens are illustrations redrawn by Keyless Solutions in September 2026. Yours may look slightly different.

Fingerprints and codes

Everything here is done in the TTLock app by the owner.

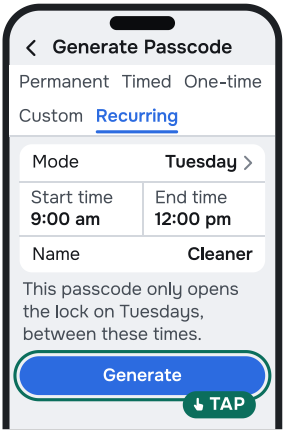
Fingerprints. Add each finger in the TTLock app while standing at the lock, and follow the app's prompts. Name each one as you go, so you can remove one person without touching anyone else.

Codes. 6 to 9 digits. Permanent, timed, one-time (6 hours) or recurring, for example a cleaner every Tuesday. You can also set your own. A new code must be used once within 24 hours of its start time.

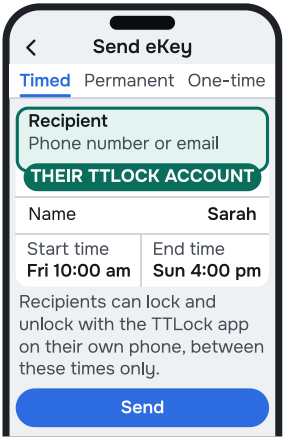
eKeys. For someone with the app on their own phone and their own TTLock account. Permanent or for set times. The owner can also make someone an administrator.

Records. See who came and went, how and when. Freeze or delete anyone at any time.

Users. The lock holds up to 300.



Make a code



Send an eKey

Keep it tidy

- Give each person their own fingerprint, code or eKey, named, so you can remove one person without touching anyone else.
- Check the records now and then, and delete anyone who no longer needs access.

App screens are illustrations redrawn by Keyless Solutions in September 2026. Yours may look slightly different.

Everyday use and care

Fingerprint. Place an enrolled finger on the reader at the root of the outside lever.

Code. Key it in on the keypad along the lever.

Phone. Open TTLock beside the door and press the round button.

From inside. Use the inside handle.

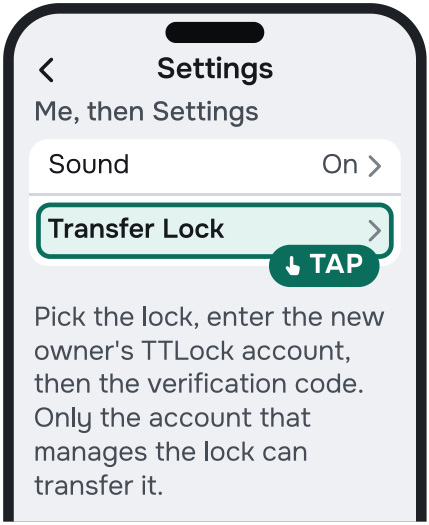
Care

- Batteries: change them all at once, once a year. The battery case is in the inside handle.
- Keep the reader clean and dry. Clean with clean water or a mild cleaner on a soft cloth. Never spray anything onto the lock, and keep water out of the electronics.

Moving out or selling

It is the ACCOUNT that owns the lock, not the fingerprints or the codes. Before settlement, transfer the lock in the app to the new owner's TTLock account.

If you cannot transfer it: delete the lock in the app while standing beside it, then do a factory reset (page 15) so the new owner can add it.



Settings, Transfer Lock

App screens are illustrations redrawn by Keyless Solutions in September 2026. Yours may look slightly different.

Reset and troubleshooting

Factory reset

- If you still have the app account, delete the lock in it first, standing beside the lock.
- Keep the batteries in. Take the back panel off the inside handle.
- Press and hold the reset key inside the rose for about 6 seconds.
- When the lock asks for the reset code, key in 000#.
- Every code and fingerprint is wiped. Add the lock to the owner's app again straight away.

If something is not right

The app cannot find it	Keep touching the keypad while it searches, stay within 2 metres, choose All Locks.
The app will not add it	It is on someone else's account, often the installer's. They delete it beside the lock, or reset it.
It will not connect	Bluetooth off, too far away, flat batteries, or another account. Check these before a reset: a reset wipes every code and fingerprint.
A new code will not work	Use it once within 24 hours of its start. One-time codes last 6 hours.
Lost the app account	Factory reset (above), then add the lock again.
Poles miss the plate	Turn the mounting plate a quarter turn, 38 or 41 (page 6).
Lever or handle tight	Loosen the inside handle, re-seat it, tighten again. Never pinch the cable.
Latch catches the frame	Line the strike up with the latch. Never force the lock.
Batteries ran flat	Call us on 09 238 2377.

Still stuck? Call us on 09 238 2377 or 027 8 ACCESS (222 377).

Specifications

Type	Leverset on a tubular latch
Fingerprint	Reader at the root of the outside lever
Keypad	1 to 0 and #, along the outside lever
Opens by	Fingerprint, code, TTLock app
App	TTLock, over Bluetooth
Remote	With our Wi-Fi gateway
Backset	60 mm as supplied, or 70 mm
Face hole	50 mm, edge bore 25 mm
Mounting plate	Poles 38 or 41 mm apart
Base	Square rose
Codes	6 to 9 digits
Users	Up to 300

Any other detail you need before you buy or install it: ask us.

Warranty

Two years on the lock. Nothing in our warranty limits your rights under the Consumer Guarantees Act 1993.

Keep this guide

- Keep it with the lock's paper instructions, for whoever owns the lock next.
- Selling? Transfer the lock to the new owner's TTLock account first (page 14).

KEYLESS SOLUTIONS

PHONE

09 238 2377

027 8 ACCESS (222 377)

sales@keylesssolutions.nz

keylesssolutions.nz