



6000 SERIES

HEAVY DUTY COMMERCIAL LEVER



Hardware Installation

What's in the box?



Interior Lock



Exterior Lock



2 Keys



Pin Wrench



2 3/4" (70mm) latch



Battery
Mounting Plate



Gaskets



Strike Plate



Lock Body



Exterior Rose



Interior Rose



Latch & Strike
Screws



Interior Lock
Short Mounting
Bolts

Battery Plate & Interior
Lock Mounting Bolts

Here's what you'll need:

- Four AA Batteries
- Phillips Screwdriver
- Power Drill

2-½" Hole Saw (optional if the door is not preconfigured with this hole)

1" (25mm) Drill Bit (for the middle hole and edge borehole if the door is not preconfigured)

¾" (10mm) Drill Bit

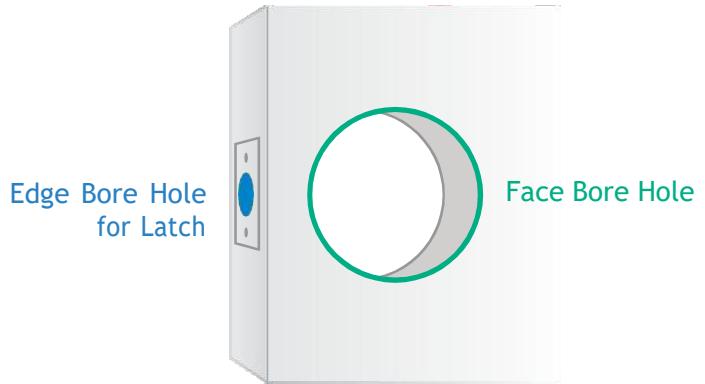
- Measuring Tape
- Adhesive Tape

Let's get started.

First things first, let's get your new lock installed.

Drilling new holes?

Most doors will have an existing hole drilled for a lever installation. If your door needs to be drilled, you'll need to drill a $2\frac{1}{8}$ " (54mm) face bore hole for the lockset on the face of the door, as well as a 1" edge bore hole for the latch on the edge of the door.



STEP 1

Position the template.

Crease the template along Door Edge dotted line.
Place the template on the door and position with the
existing face bore hole.

Once the template is aligned, tape it to the door.

Exterior of Door



Quick Tip

View the template from
the other side of the
boring hole to make
sure it's aligned.



STEP 2

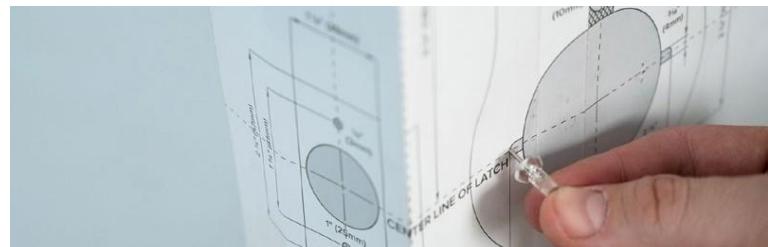
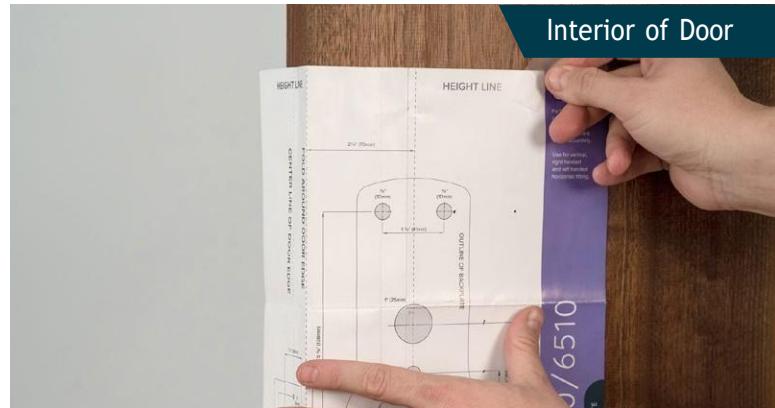
Mark carefully and drill.

Use a thumbtack or sharp object to mark the center of each hole you will drill. Mark the seven holes on the exterior of the door. Then apply the template to the other side of the door and mark the holes from this side as well.

Exterior of Door



Interior of Door



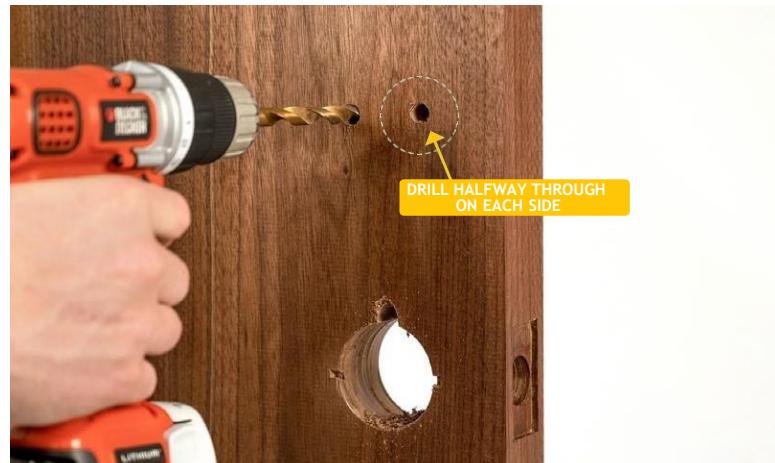
Remove the template.

Make sure the markings are aligned precisely from one side of the door to the other and double check all the measurements and markings before drilling.

Use a chisel to create the shallow notches on each side of the face bore hole.

Align the drill bit over your mark and hold the door steady. Keep the drill level and straight. Drill the $\frac{3}{8}$ " holes halfway through on the first side. Then drill the remaining half from the other side of the door. This prevents damage to the door and improves accuracy.

$\frac{3}{8}$ " (10mm) Drill Bit



Repeat these steps for the 1" middle hole.

Drill the 1" holes halfway through on the first side.

Then drill the remaining half from the other side of the door.



1" (25mm) Drill Bit



STEP 3

Confirm door thickness and adjust.

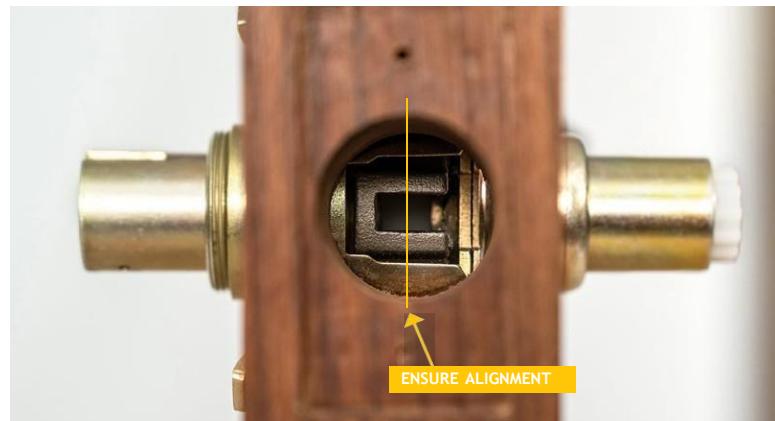
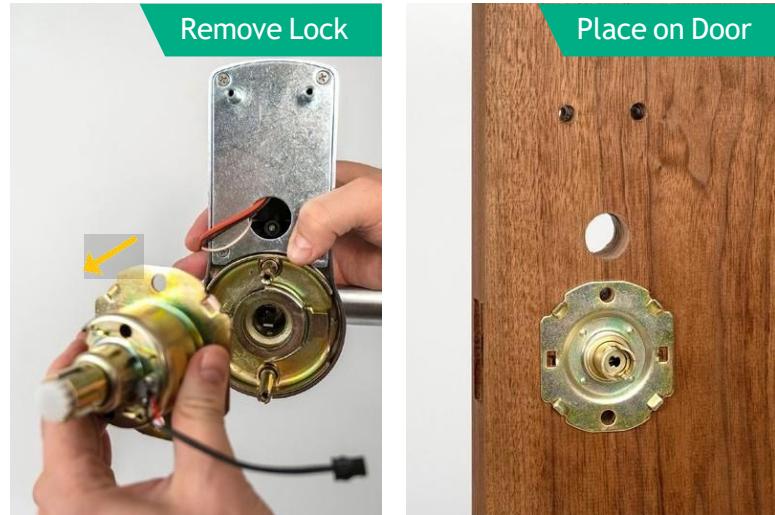
The lock body comes prepped for a 1 3/4" thick door. Ensure the setup is correct by removing the lock body from the lock housing and inserting the lock body in the face bore hole.

View the slide clip through the edge bore hole. Turn exterior rose to adjust center line of lock body to match the centerline of the door.

Remove the lock body after positioning and continue to **STEP 4**.

Quick Tip

The lock body contains grease for operation. Wear gloves to avoid getting grease on your hands.



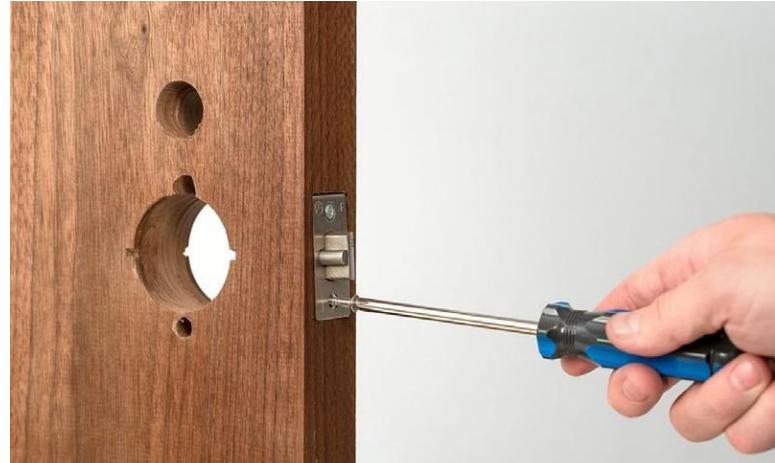
STEP 4

Install latch.

Install the latch using the screws provided, with the bevel towards the door frame.



Exterior of Door



Quick Tip

Make sure the latch plate lays flush with the door. If the latch plate is not flush with the door, draw an outline around the faceplate edge and chisel a rebate to allow the latch to lay flush with the door edge.

STEP 5

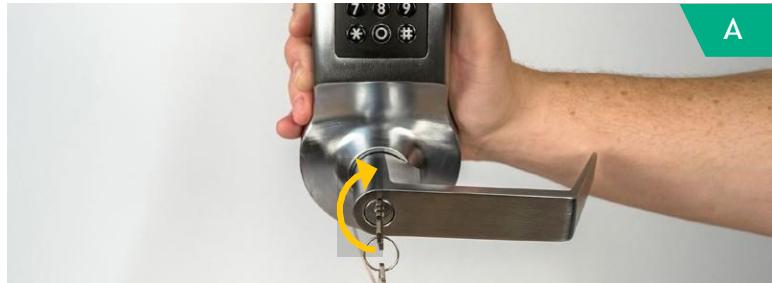
Confirm lock handing.

PLEASE NOTE:

Locks are supplied right handed. To reverse lock handing, perform the following steps. If handing is correct, move onto STEP 6.

To Reverse Outside Handle:

- A. Turn key clockwise to vertical position.
- B. Depress the lever catch with the pin wrench provided.
- C. Pull off lever.



D. Remove the lever retractor spindle from the outside housing.

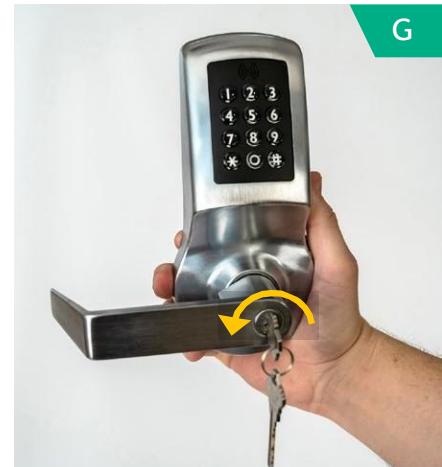
E. Rotate 180 degrees.

F. Place back into the housing.

G. Replace the lever back onto the lock in the left-hand position. Ensure key is in the vertical position and push lever on fully until it “clicks” into place. Turn key counter-clockwise and remove.

Quick Tip

You will see your lock's serial and model number on the sticker on the back of the lock. Write it down or take a picture for your records. This number is needed during online registration after installation. You will also find this sticker on the lock's box.



To Reverse Inside Handle:

- A. Depress the lever catch with the pin wrench provided.
- B. Pull off lever.
- C. Remove the lever spring cage from the inside housing, rotate 180 degrees, then place back into the housing.
- D. Position the lever in the left-hand position and slide onto lever spring cage. Push lever on fully until the lever “clicks” into place.



STEP 6

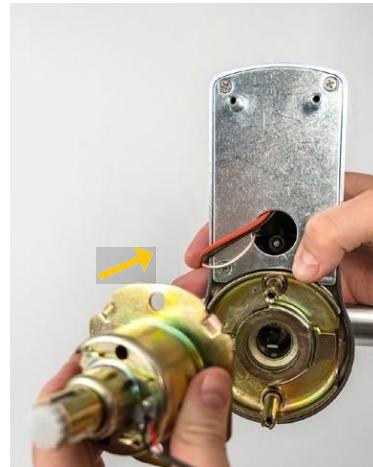
Place the outside lock.

Slide the lock body into place on the outside lock assembly, ensuring that the slide clip of the retractor is facing the latch side of the door.

Place the rubber gasket on the backside of the front lock housing, then install onto the door. Take care to thread the upper three cables through the cable hole in the door. Also insert the motor cable through the face bore hole.

As the outside body is put in place, ensure that the prongs of the latch fit between the slide clip of the retractor. To do this, push in the latch slightly with your thumb.

If the prongs are not properly positioned, the latch could bind or be damaged resulting in improper function.



STEP 7

Install interior rose mounting plate.

Place the interior rose mounting plate over the spindle, ensuring that the cable hooks are on top and the motor cable passes through one side of the center hole.

The interior rose will be secured in a later step with screws.

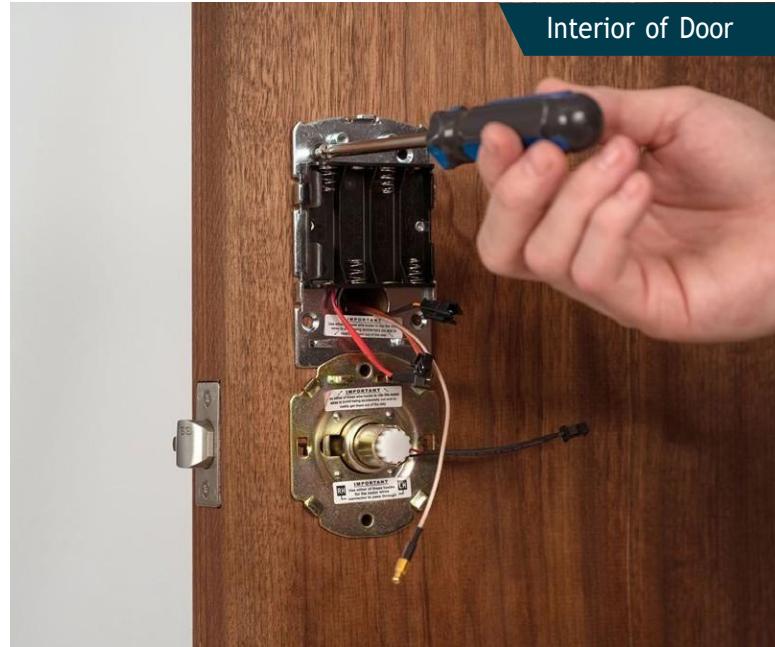


STEP 8

Install battery mounting plate.

Place the battery mounting plate against the interior of the door, passing power cables and antenna through the hole in the center of the plate.

Pass two inner mounting bolts through the top of the mounting plate and door and tighten into the outside lock.



STEP 9

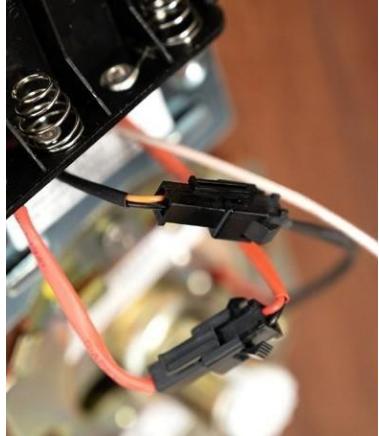
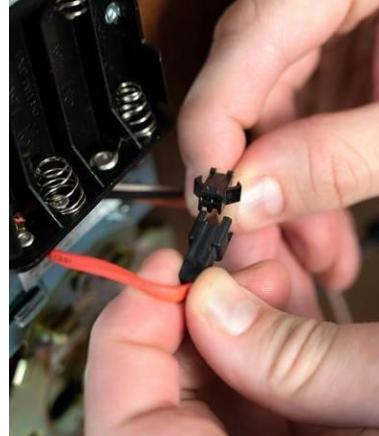
Connect wires.

Plug in the red cable from the to the battery cable connector. Also connect the black outside cable to the black motor plug.

Push any excess cable back into the hole through the door.



IMPORTANT: Make sure cables are not pinched.
Utilize the cable hooks as shown.



STEP 10

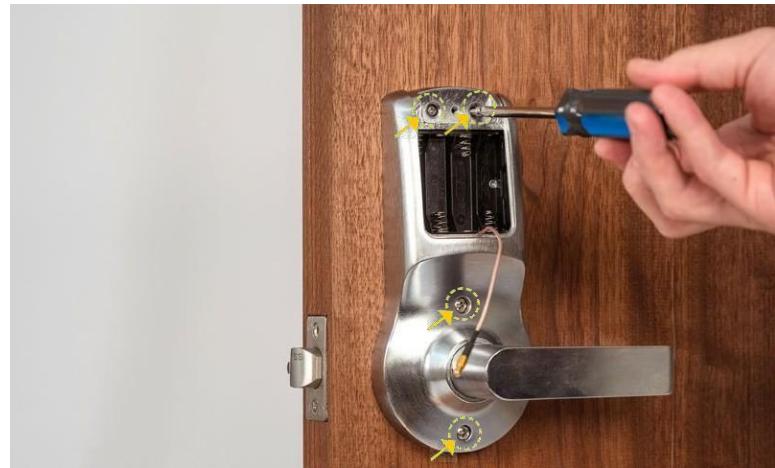
Install interior lock.

Remove the battery cover from the interior lock body if still secured.

Pass the antenna cable through the battery cover opening and position the interior lock body over the lever retractor spindle, ensuring it fits flush on the door.

Secure the interior lock with two through mounting bolts above and below the lever and two short mounting bolts at the top of the lock.

Interior of Door



STEP 11

Install batteries and battery cover.

Install four AA batteries into the battery compartment.

Plug the antenna cable into the antenna plug on the battery cover. Push the plug firmly until you feel and hear it click into place.

Fit battery cover into place and secure with screw provided.



STEP 12

Set PIN Code.

Add the first PIN Code on your lock by entering the following sequence on the keypad.

Enter the **Programming Code** (123456 by default) followed by the **#** button, **110** followed by **#**, and then enter your desired **New PIN Code** (4-8 digits) followed by **#**.

You should hear two beeps and see green lights when successful. Additional PINs can also be added via the app after connecting the lock to Wi-Fi.

NOTE: PIN Codes cannot be single digit codes (1111) or all sequential numbers (1234).

Your PIN Code: _____

STEP 13

Change Programming Code.

For security purposes, the default Programming Code(123456) should be changed.

Enter the **Programming Code** (123456 by default) followed by the **#** button, **100** followed by **#**, and then enter your **New Programming Code** (4-8 digits) followed by **#**.

NOTE: PIN Codes cannot be the same as Programming Codes.

Your Programming Code: _____

STEP 14

Test your lock.

Before closing the door, check the operation of the lock.

Depress the internal lever to retract the latch. Ensure that the latch retracts, then fully springs back into place.

Test the outside of the lock by entering ** to lock the door. The latch should not retract when you pull down on the lever.

Enter the **PIN Code** added previously. You should see the keypad lights flash green. Depress the handle to ensure the latch retracts.

Exterior of Door



Congratulations!
Your lock is
now installed.

Next:
Use the
Connection
Guide to
finish setup.

Using your lock.

Locking

Lock the door by pressing ** on the keypad.

Unlocking

Unlock the door by entering a user code.

Once your lock is installed and connected to Wi-Fi, you can easily control your lock, add and manage access codes with the app.

Default Settings

By default, and after a factory reset, your lock has the following settings:

Programming Code: 123456

Auto-Lock: Enabled

Auto-Lock Delay: 5 Seconds

Keypad Sound: Enabled

Heartbeat Interval: 1 Hour

Card Reader: Off (Enable with 381 or 382 function)

MIFARE Reader Functionality

This lock is equipped with a MIFARE card reader, enabling MIFARE cards, fobs and sticky tags to be used to unlock the door. MIFARE cards will need to be enrolled in your account first and then can be assigned to access users.



Enabling Card Reader

The card reader is disabled by factory default. Enabling the card reader function can either be done on the lock's settings page after registering your lock in the app, or on the keypad with the following key commands.

Enable Card/Fob Reader (Always On)

Enter your **Programming Code** (123456 by default) followed by the # button, **381** followed by #.

Enable Card/Fob Reader on Button Press Only

This function turns on the card/fob reader on the lock only after a button press. This saves a bit more power than using the Always On 381 function.

Enter your **Programming Code** (123456 by default) followed by the # button, **382** followed by #.

Using the Card Reader

After adding an access user to the lock with a MIFARE credential, the credential can be used to unlock the door. This is done by holding the MIFARE credential up to the keypad of the lock.

For best results, hold the card or fob in the center of the keypad (over the 5 key) within an inch of the surface.

If your card or fob is not registered on the first attempt, pull your hand away momentarily and then present again.



Programming Functions

The keypad can be used to program lock functions. These functions can also be performed remotely from the app. None of the following functions are required for setup.

All keypad programming functions follow the same general steps:

1. Enter your **Programming Code** followed by the # button.
2. Enter the **Function Code** for the desired function, followed by the # button.
3. Some functions will also require you to enter a **Function Value** followed by the # button.

Function Codes

PLEASE NOTE: Most of these settings can be updated online in the portal. After installing and connecting your lock to Wi-Fi, please register your lock and configure settings with the app.

100: Change Programming Code

The programming code is essentially a password. This code allows you to program the lock directly, using the keypad. By default, the code is **123456**.

You can change this code to anything 4-8 digits in length. To set a new programming code, enter the following on the lock's keypad:

Enter your current **Programming Code** followed by the # button, **100** followed by #, and then enter your **New Programming Code** followed by #.

Function Codes (cont.)

If successful, you will see two green flashes and hear two beeps. If an error was made, you will see a red flash.

110: Add a Local User Code

Local User Codes are intended to be used as a backup to User Codes created from the app. If internet is unavailable, you can program a code directly from the lock. Note that schedules cannot be applied to a Local User Code.

Local User Codes can be 4-8 digits in length. To Add a Local User Code, enter the following on the lock's keypad:

Enter your **Programming Code** followed by the **#** button, **110** followed by **#**, and then enter your desired **Local User Code** followed by **#**.

Once set, the default User Code will be disabled after your Local User Code is created.

120: Delete Local User Code

If you would like to remove your Local User Code, enter the following on the lock's keypad:

Enter your **Programming Code** followed by the **#** button, **120** followed by **#**, and then enter the existing **Local User Code** followed by **#**.

130: Erase ALL Local Codes

If you would like to remove ALL of your existing Local Codes, enter the following on the lock's keypad:

Enter your **Programming Code** followed by the **#** button, **130** followed by **#**.

Function Codes (cont.)

381: Enable Card/Fob Reader (Always On)

This function turns on the card/fob reader on the lock. Use this if cards/fobs are being provided to access users to unlock the door.

Enter your **Programming Code** followed by the # button, **381** followed by #.

382: Enable Card/Fob Reader on Button Press

This function turns on the card/fob reader on the lock only after a button press. This saves a bit more power than using the Always On 381 function.

Enter your **Programming Code** followed by the # button, **382** followed by #.

ADDITIONAL FUNCTIONS

130: Erase all user codes.

135: Perform a factory reset. Careful, this will **delete all codes, schedules and events.**

160: Mute keypad beeping.

161: Unmute keypad beeping.

270: Disable Auto Lock Mode. Your lock will automatically lock after each use.

271: Enable Auto Lock Mode. Your lock will stay unlocked after being unlocked.

312: Reset Wi-Fi connection. (Forget All Known Connections and Networks).

320: Enter Access Point Mode to allow connection to another network.

380: Turn off SmartCard reads.

381: Turn on Always Scanning For Cards mode.

382: Turn on Only Read Card On Keypress.

390: Require # to be pressed after a user code is entered.

391: Removes the requirement to enter # after a user code.

411: Enter 411* to force Wi-Fi to wake up if the lock is currently set to not wake up on keypress.

FCC ID: 2BBNS-KLKIC

(a) For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

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.

Notes

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including, an interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

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HARDWARE INSTALLATION**