

# OBSIDIAN

TOUCHSCREEN ELECTRONIC DEADBOLT

## Programming and Troubleshooting Guide

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# 1 Mastercode

## A About the Mastercode

Using a Mastercode is an optional, added-security measure. It is not enabled by default. A Mastercode is used to add and delete user codes, but it cannot unlock the door (unless the same code is programmed as a user code, though this is not recommended). The Mastercode must be 4-8 digits.

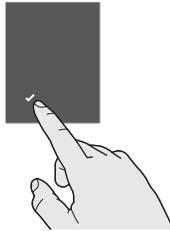
## B Enabling and Setting the Mastercode

Programming timeout: If the screen is not pressed for 20 seconds, the system will time out (indicated by three beeps and the "X" pattern flashing three times), and you will need to restart the procedure.

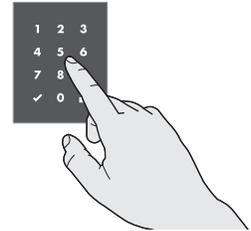
1. Keep door open. Press and HOLD the Program button until the Checkmark symbol illuminates (about 5 seconds).



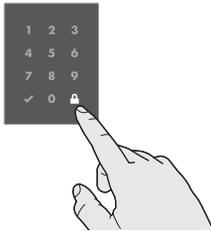
2. Press Checkmark symbol once.



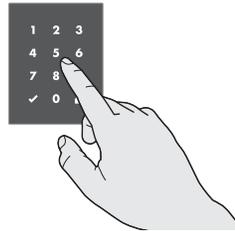
3. Enter new Mastercode.



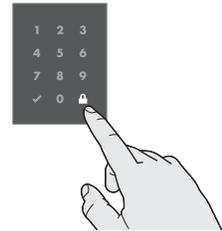
4. Press Lock symbol once.



5. Re-enter Mastercode.



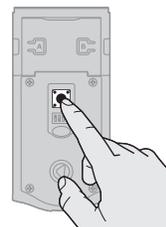
6. Press Lock symbol once.



If programming is successful, the Checkmark will illuminate and you will hear one beep.

If programming is unsuccessful, the "X" pattern will flash three times, and you will hear three beeps. Make sure the Mastercode has not already been programmed. Attempt the procedure again, making sure to enter the same new Mastercode in step 3 and 5.

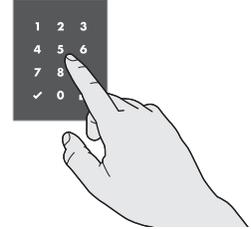
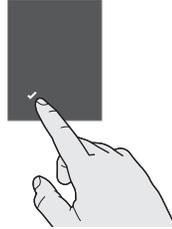
**⚠** Make sure switch #3 is on, and press the Program button once. If you immediately hear five beeps and see the Checkmark flash five times, the Mastercode is enabled.



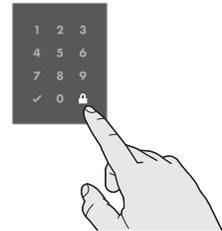
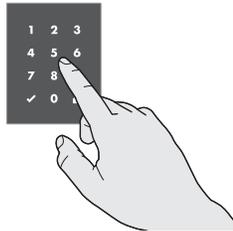
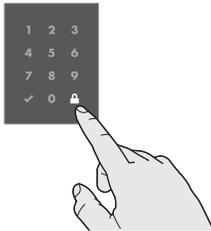
## C Adding User Codes with the Mastercode Enabled

The procedure for adding user codes is different when the Mastercode is enabled. For instructions on how to add user codes when the Mastercode is disabled, see the Installation and User Guide that came with your lock.

1. Keep door open. Press the Program button once. The Checkmark will flash five times and you will hear five beeps.
2. Press Checkmark symbol once.
3. Enter Mastercode.



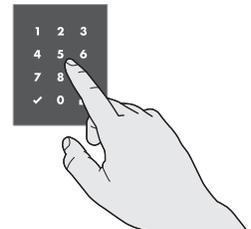
4. Press Lock symbol once.
5. Enter new user code.
6. Press Lock symbol once.



If programming is successful, the Checkmark will illuminate and you will hear one beep.

If programming is unsuccessful, the "X" pattern will flash three times with three beeps. Make sure the user code is not a duplicate and that it is between 4 and 8 digits during your next attempt. Make sure the lock has room for an additional code. If all user codes are filled, delete a code to make room for this one. Make sure to enter a valid Mastercode in step 3.

**⚠** While the door is open and locked, test the user code to **make sure it unlocks the door.**

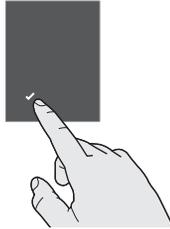


## D Deleting a Single User Code with the Mastercode Enabled

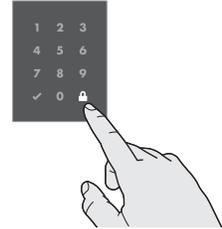
1. Keep door open. Press the Program button once. The Checkmark will flash five times and you will hear five beeps.



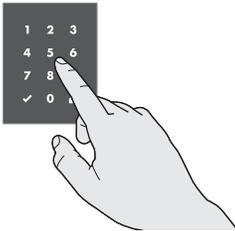
2. Press Checkmark symbol once.



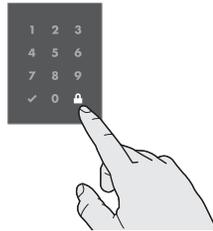
3. Press Lock symbol once.



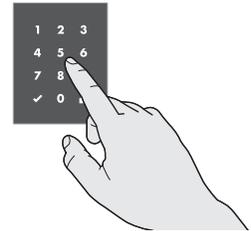
4. Enter Mastercode.



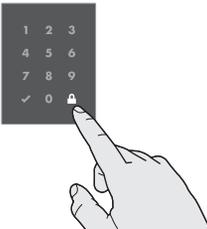
5. Press Lock symbol once.



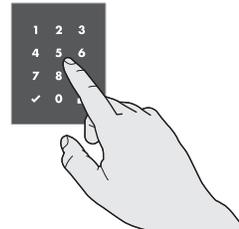
6. Enter user code to be deleted.



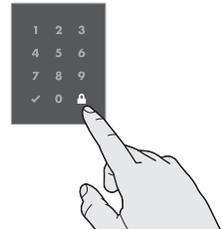
7. Press Lock symbol once.



8. Re-enter use code to be deleted.



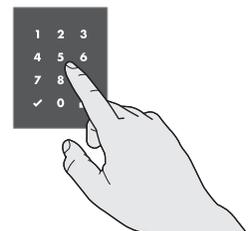
9. Press Lock symbol once.



If programming is successful, the Checkmark will illuminate and you will hear one beep.

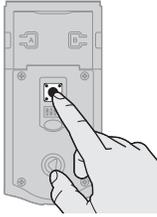
If programming is unsuccessful, the "X" pattern will flash three times with three beeps. Make sure to enter a valid Mastercode in step 4.

**⚠ While the door is open and locked, test the user code to **make sure it no longer unlocks the door.****

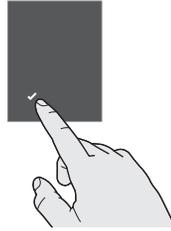


## **E** Deleting All User Codes with the Mastercode Enabled

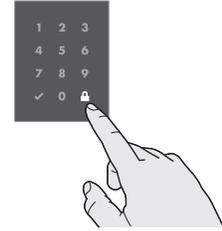
1. Keep door open. Press the Program button once. The Checkmark will flash five times and you will hear five beeps.



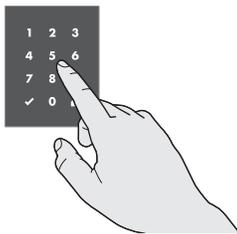
2. Press Checkmark symbol once.



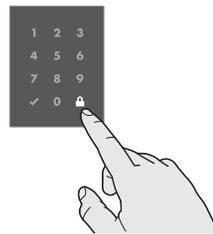
3. Press Lock symbol once.



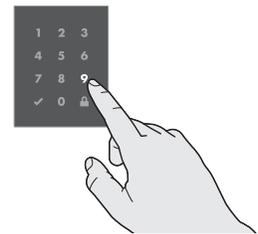
4. Enter Mastercode.



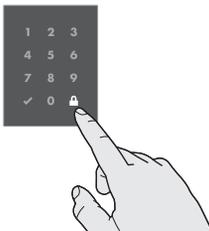
5. Press Lock symbol once.



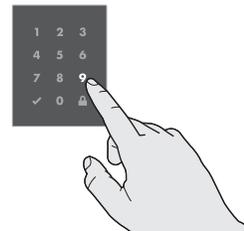
6. Press "9" six times.



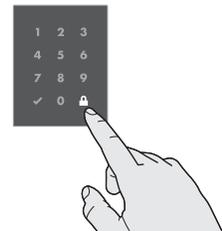
7. Press Lock symbol once.



8. Press "9" six times.



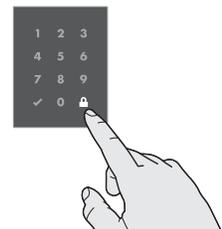
9. Press Lock symbol once.



If programming is successful, the Checkmark will illuminate and you will hear one beep.

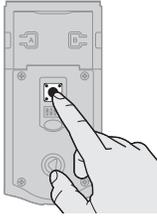
If programming is unsuccessful, the "X" pattern will flash three times with three beeps. Make sure to enter a valid Mastercode in step 4 during your next attempt.

**⚠** While the door is open and unlocked, press the Lock symbol. If the latch bolt does not extend to lock, then all codes have been successfully deleted.

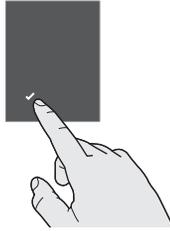


## F Disabling and Deleting the Mastercode

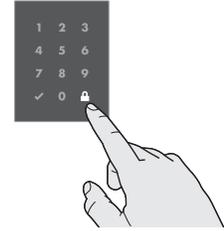
1. Keep door open. Press and HOLD the Program button until the Checkmark symbol illuminates (about 5 seconds).



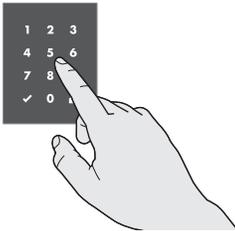
2. Press Checkmark symbol once.



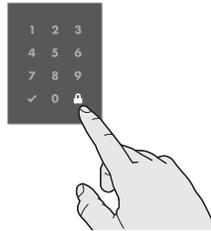
3. Press Lock symbol once.



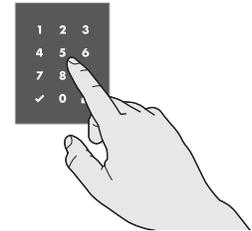
4. Enter Mastercode.



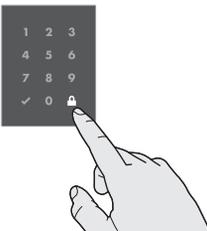
5. Press Lock symbol once.



6. Re-enter Mastercode.



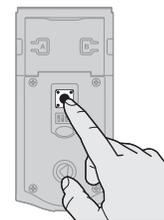
7. Press Lock symbol once.



If programming is successful, the Checkmark will illuminate and you will hear one beep.

If programming is unsuccessful, the "X" pattern will flash three times, and you will hear three beeps. Make sure the Mastercode has been enabled before trying to disable it. Attempt the procedure again, making sure to enter the same Mastercode in step 4 and 6.

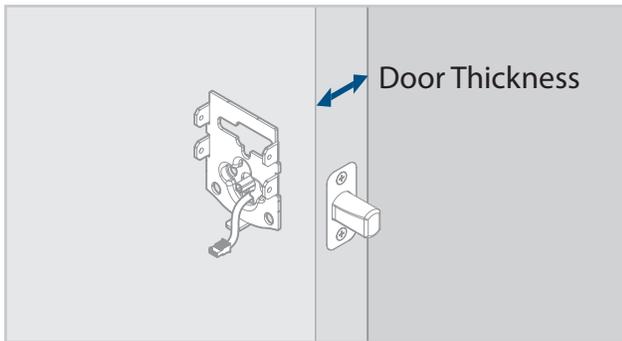
**⚠** Make sure switch #3 is on, and press the Program button once. If you don't immediately hear five beeps and see the Checkmark flash five times, the Mastercode is disabled.



## 2 Troubleshooting: Installation

- (A) The interior mounting screws are difficult to tighten.**
- (B) The interior and exterior assembly won't mount parallel to the door edge.**
- (C) The interior assembly does not fit on the mounting plate.**

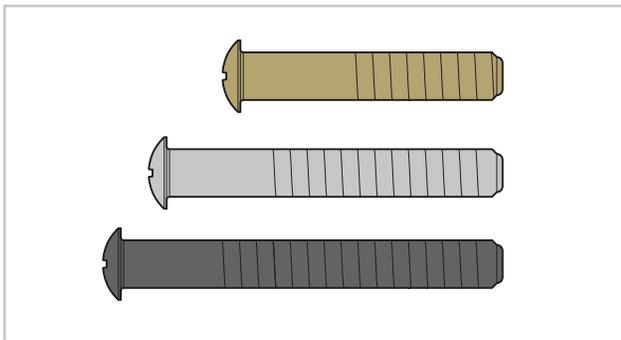
If you encounter any of the problems above, make sure that you are using the correct mounting plate screws. Three sets of mounting screws are supplied with the lock. Measure the thickness of your door to determine the correct mounting screws.



If your door is 1-3/8" (35 mm) thick, use the shorter gold screws.

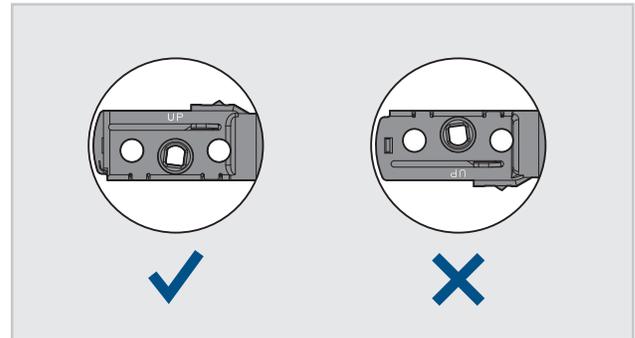
If your door is 1-3/4" (44 mm) thick, use the medium silver screws.

If your door is 2" (51 mm) thick, use the longer black screws.

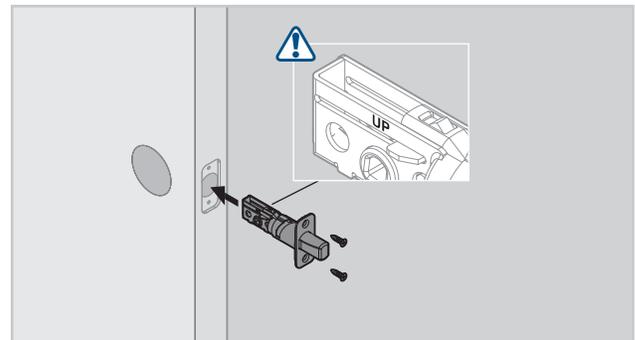


If you still encounter the problems above, the deadbolt latch may be installed upside down. Remove the interior assembly, mounting plate, and exterior assembly from the door, and look at the latch inside the door hole.

If the word "UP" is upside down and at the bottom of the latch, the latch is installed incorrectly.



Reinstall the latch, making sure the word "UP" faces upward.



## 3 Troubleshooting: Door Jamming and Door Handing

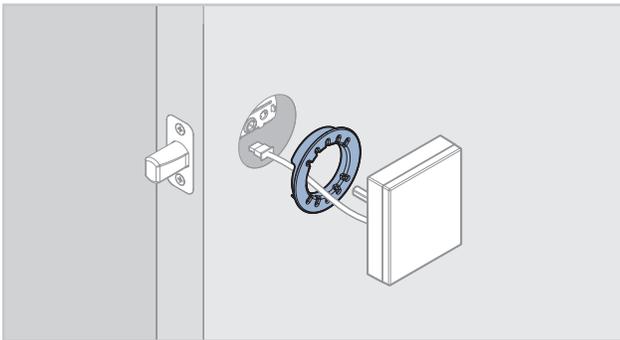
- A** The lock jams and the turnpiece does not rotate smoothly.
- B** The lock beeps, the Checkmark and Lock symbols alternate flashing, and the door cannot lock.

The door handing process was not executed during installation.

Perform the manual door handing process in the Installation Guide.

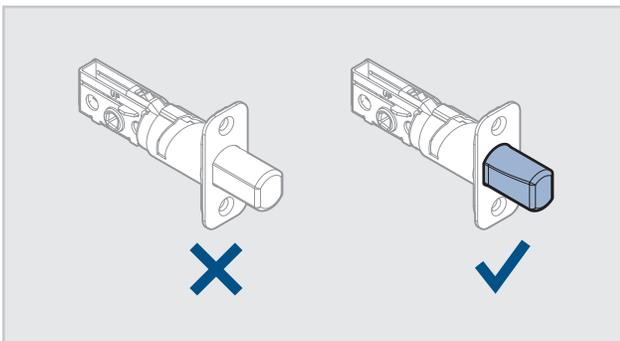
The hole in the door is misaligned.

Disassemble the lock, and reinstall it without the adapter ring on the exterior side of the door.



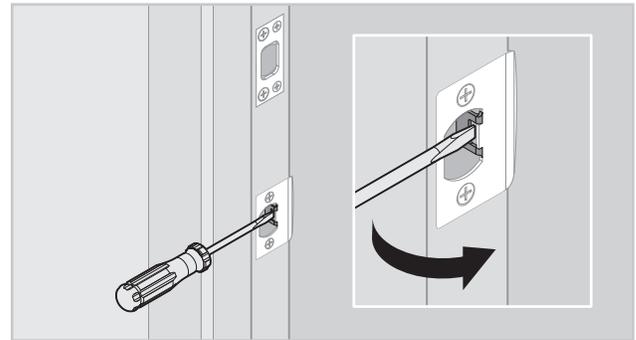
The wrong deadbolt latch is installed.

Electronic deadbolts require a tapered latch bolt for ease of operation. If the latch being used is from an older lock, it will likely not have a tapered latch bolt. Remove the lock from the door, including the old latch. Replace with the new tapered latch that came with the lock and reinstall the lock.



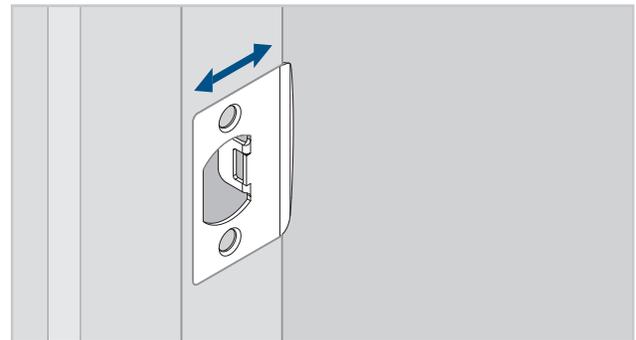
The deadbolt latch and strike are misaligned, causing the latch to bind.

Adjust the tab of the lower strike (for your knob or lever) to help align the upper latch and strike so that the latch bolt enters the strike when the door is locked.



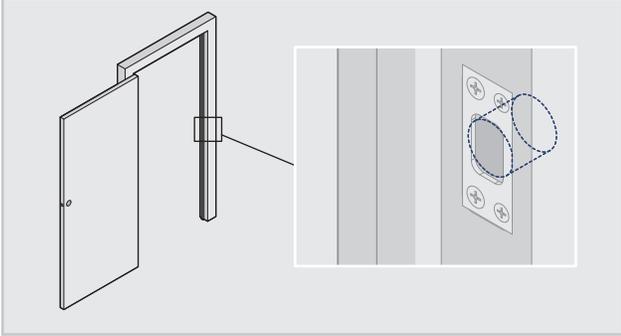
The lower latch and lower strike (for your knob or lever) are misaligned, putting too much load on the deadbolt latch.

As a test, rotate the turnpiece on the deadbolt so the latch is retracted (unlocked), and close the door. If you have to push, pull or lift the door to get it to close, adjust the position of the lower strike.



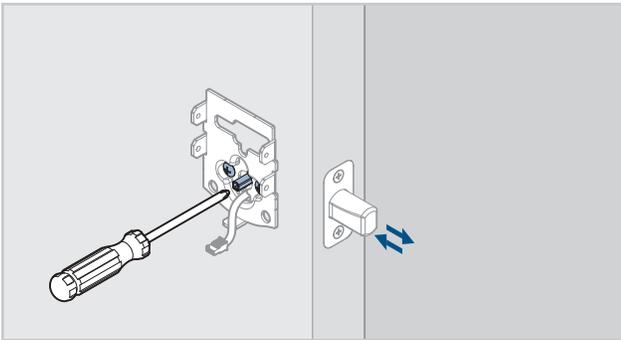
The hole in the door frame for the latch bolt is not drilled deep enough.

Make sure the hole in the door frame is drilled at least 1" (25 mm) deep.



The mounting plate is placing tension on the torque blade.

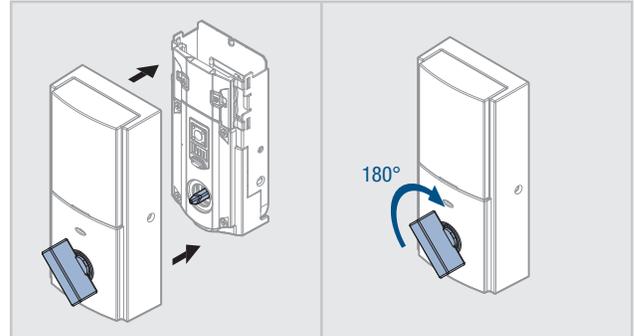
Attempt to lock and unlock the door with the interior turnpiece. If it is unable to rotate, remove the interior assembly from the mounting plate. Attempt to rotate the torque blade with a screwdriver. If it is still unable to rotate, loosen the screws on the mounting plate and reposition the plate so there is no tension on the cylinder torque blade. Test the torque blade again with a screwdriver, making sure the latch bolt can operate smoothly. Reinstall the interior assembly.



The clutch is disengaged.

Remove the battery pack. Remove the interior assembly from the door. Verify that the lock can be operated smoothly with the key while the interior is removed. Attempt to rotate the turnpiece on the interior assembly to the vertical position. If it cannot rotate to the vertical position, the clutch has become disengaged.

Place the battery cover onto the interior assembly, making sure to align the turnpiece with the shaft. Rotate the turnpiece 180° clockwise (you will need to use force when rotating the turnpiece, and you will hear it click). This will re-engage the clutch.



Align the turnpiece with the torque blade and reinstall the interior assembly on the door.

**C The door handing process does not happen automatically when the batteries are installed.**

The handing process may have been executed previously.

Follow the instructions inside the Installation and User Guide to perform the manual door handing process

The battery level is too low.

This is indicated by the Checkmark and Lock symbols flashing simultaneously five times with five beeps. Use a fresh set of batteries, and perform the door handing process again.

Make sure the batteries are installed correctly in the battery pack and that the battery pack is installed correctly in the interior assembly.

**D The touchscreen indicates a failure after the door handing process.**

**E The deadbolt latch does not extend or retract on its own during the door handing process.**

The hole in the door is misaligned.

Disassemble the lock, and reinstall it without the adapter ring on the exterior side of the door.

The mounting plate is placing tension on the torque blade.

Manually lock and unlock the door to check that the mounting screws are not too tight. Slightly loosen the mounting screws if needed. For more information, see page 9.

The battery level is too low.

This is indicated by the Checkmark and Lock symbols flashing simultaneously five times with five beeps. Use a fresh set of batteries, and perform the manual door handing process.

The latch and strike are misaligned, causing the latch to bind.

Perform the manual door handing process while the door is open. If it is successful only when the door is open, the latch and strike are not aligned as they should be. Ensure door preparation is in accordance with the door drilling instructions, available online.

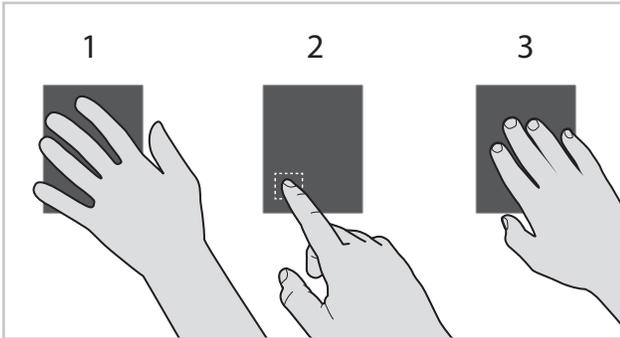
## 4 Troubleshooting: Touchscreen and User Codes

### A The touchscreen is unresponsive.

#### Screen activation

To activate the screen, use one of the three options below:

1. Touch screen with palm or back of hand until digits illuminate.
2. Touch lower left area of screen (where Checkmark is located) until digits illuminate.
3. Touch screen with three or more fingers until digits illuminate.



#### One-second pause

The lock requires a one-second pause immediately after locking or unlocking before the touchscreen will re-activate. Fully remove hand from screen until the Checkmark or Lock symbol turns off, and then activate the screen again.

#### Touchscreen lockout

If three incorrect codes were consecutively, the touchscreen will lock for 60 seconds.

#### Batteries

Check that your batteries are correctly installed. If the batteries are low, replace them with a fresh set.

#### Cables

Check that your cables are connected securely.

### B The Lock symbol does not lock the door.

No user codes are programmed.

If there are no codes in the lock, the lock symbol will not lock the door. This is indicated by the "X" pattern flashing three times with three beeps. Program at least one user code and test the Lock symbol again.

The door handing process was not executed.

Perform the manual door handing process, following the instructions inside the Installation and User guide.

The battery is too low to lock the door.

This is indicated by the Checkmark and Lock symbols flashing simultaneously five times with five beeps. Remove the batteries and replace with a fresh set.

The mounting plate is placing tension on the torque blade.

See page 9.

The clutch is disengaged.

See page 9.

### C Only two digits illuminate on the touchscreen.

SecureScreen is enabled.

SecureScreen is an added-security feature that displays random digits before you enter a user code to unlock the door. This feature ensures that there are fingerprints on all digits so that codes cannot be identified by examining the touchscreen for fingerprints.

If desired, this feature can be disabled by turning switch #4 to the off position.

## **D** I've forgotten my user codes.

### Three attempts

The lock will give you three attempts to enter your user code. If you enter three consecutive incorrect codes, the touchscreen will lock for 60 seconds. After the 60-second lockout, you can make additional attempts.

### Add new user codes

If you have not filled up all of your user code positions, you may add new user codes to the lock. If you have enabled a Mastercode, see page 3. If you have not enabled a Mastercode, see the installation and user guide supplied in the box.

### Perform a factory reset

A factory reset will remove all codes associated with the lock. See the installation and user guide supplied in the box.

**A The batteries drain within one day.**

The lock must be replaced. Contact Technical Support.

**B The batteries drain within a few weeks.**

Latch and strike alignment

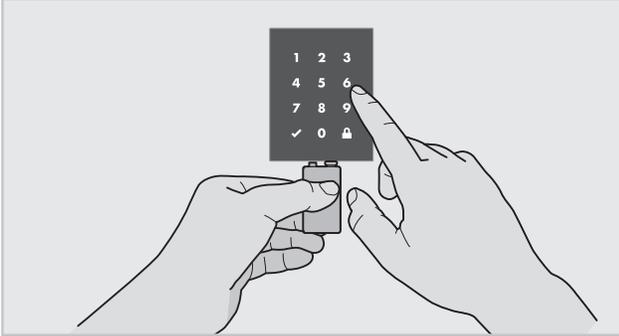
Make sure the correct deadbolt latch is installed, the latches and strikes on your door are aligned, and the hole in your door frame is drilled deep enough. See page 8 and page 9.

## Battery FAQ

How do I get in if the batteries are dead?

Use a 9-Volt Alkaline battery to temporarily power the touchscreen. Make sure both terminals on the 9-Volt battery touch the terminals at the bottom of the touchscreen. Hold the 9-Volt in place while entering your user code to unlock the door. Continue holding the 9-Volt in position until the Checkmark symbol illuminates and the door unlocks.

Note: If you remove the battery before the Checkmark symbol illuminates, you will need to re-enter your user code.



How long will the lock operate on a set of batteries?

Based on 10 operations per day, a single, new set of Alkaline batteries will operate the lock for over a year.

What type of batteries do you recommend?

For best results, use new non-rechargeable Alkaline batteries only.

I am planning to be away for several months. Will my lock operate when I get back?

When the system is idling, it consumes minimum power (very close to battery shelf life.) With alkaline batteries, the lock should be operable after years of idle.

I replaced my batteries less than a year ago and need to replace them again.

Check your door alignment. If the deadbolt makes several unsuccessful attempts to lock or unlock the door, it may mean that the door is warped and the latch does not line up correctly with the strike. Operating the lock excessively reduces battery life. Avoid turning on the keypad light unnecessarily.

What settings should I use to get the maximum battery life out of my lock?

Set all switches to the OFF position.

If the batteries die, will the lock stay locked?

The lock will remain in its last known state if the batteries die.