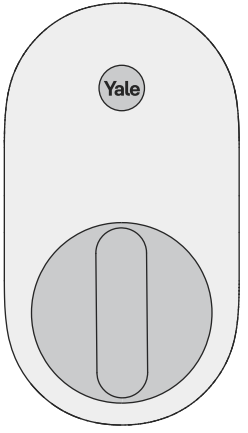
Smart Lock

Designed for Google Home

Keyed YRD510

matter



Install and Set Up Your Lock

Follow the step-by-step Installation and Setup Guide in this manual (pages 10-22), or refer to the QR code on the quick start guide for helpful videos.

Note: If you use the videos, please tear off the Door Checker and the Marking Template (pages 5-8) to use when prompted.

Use Your Lock

How to use your lock, LED alerts, and more (pages 23-29).

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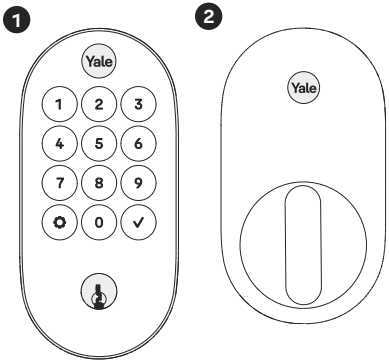
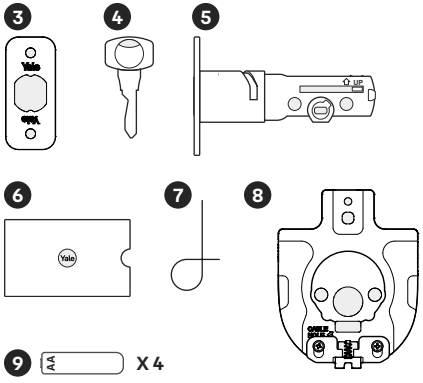
In the Box

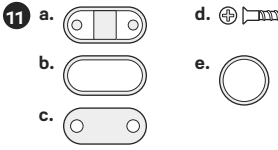
Lock

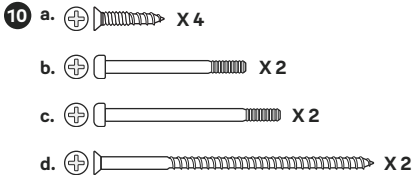


Hardware

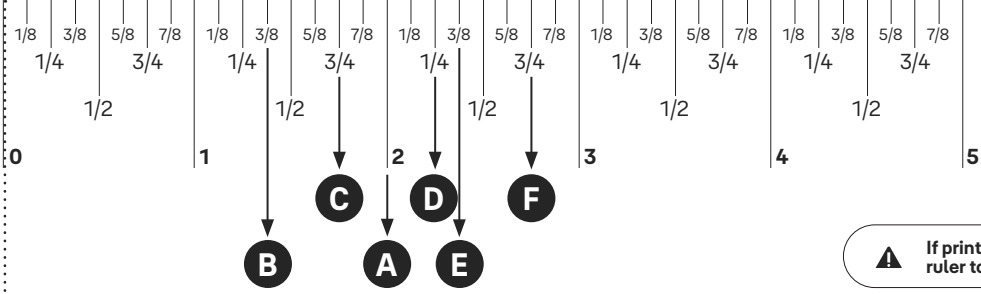


Add-Ons





1. Exterior Keypad
2. Interior Lock
3. Strike Plate
4. Key
5. Adjustable Deadbolt
6. Manual
7. Reset Pin
8. Mounting Plate
9. AA Batteries
10. Screws
    - **a.** Strike Plate and Deadbolt Screws
    - **b.** Black Screw Set B
    - **c.** Silver Screw Set C
    - **d.** Optional Security Strike Plate Screws
11. DoorSense
    - **a.** Housing
    - **b.** Cover
    - **c.** Mounting Tape
    - **d.** Screws
    - **e.** Flush Mount Cap



If printed from electronic file, Measure ruler to check scale. Set print scale to 1:1.

Tear Along the Dotted Line

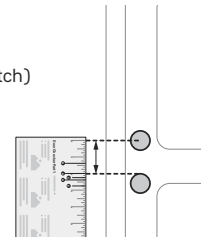
Door Checker Part 1

See Reverse for Part 2 →

Measure Clearance

✓ Greater than A

× Less than A
(Your door is not a match)



A. 2" minimum clearance between top of the door knob and center of deadbolt hole.

Measure Door Thickness

✓ B, C or D

× Less than B or greater than D
(Your door is not a match)

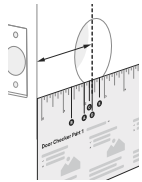
C. 1-3/8" - 1-3/4" door thickness; use black (medium) **screws**.

D. 1-3/4" - 2-1/4" door thickness; use **silver** (longest) **screws**.

Measure Backset

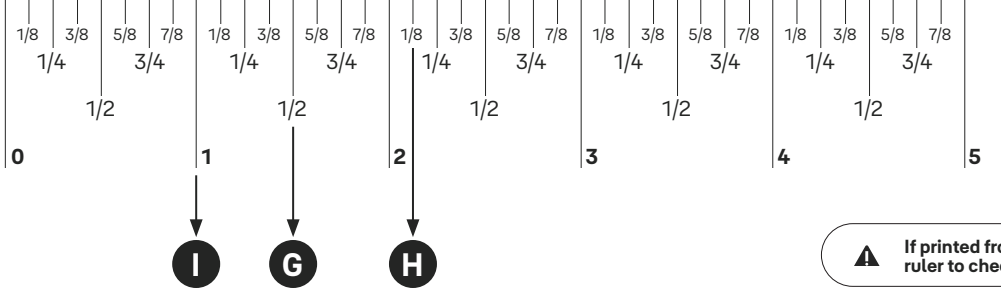
✓ Equals E or F

× Doesn't equal E or F
(Your door is not a match)



E. 2-3/8" backset, use out of box latch setting.

F. 2-3/4" backset, adjust latch setting (Step 2, point 1 of this manual).



If printed from electronic file, Measure ruler to check scale. Set print scale to 1:1.

Door Checker Part 2

See Reverse for Part 1 →

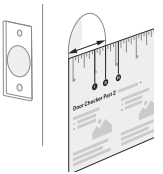
Tear Along the Dotted Line

Measure Face Bore

✓ Equals G or H

✎ Less than G
(Adjust diameter to G or H)

× Greater than H
(Your door is not a match)



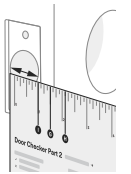
Measure Edge Bore and Strike Pocket

✓ Equals I

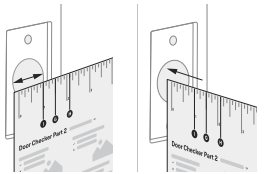
✎ Less than I
(Adjust diameter to I)

× Greater than I
(Your door is not a match)

Door (Edge Bore)



Frame (Strike Pocket)



Diameter Depth

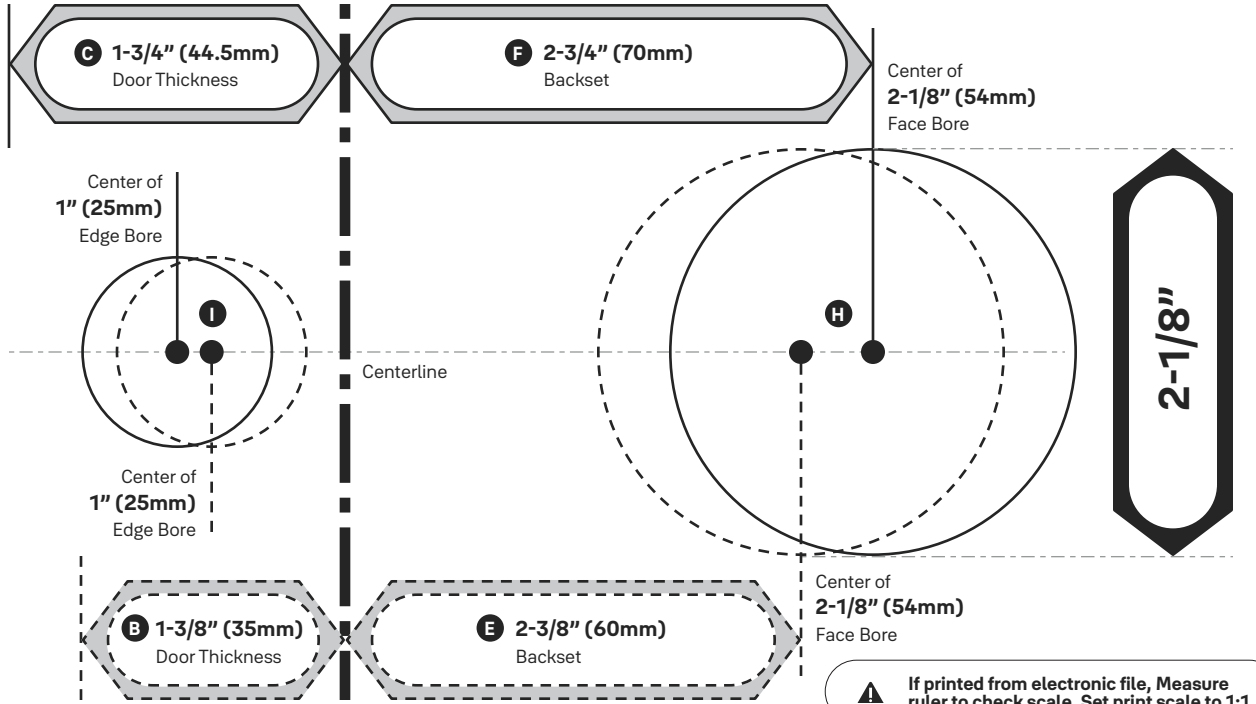
G. 1-1/2" face bore diameter.

H. 2-1/8" face bore diameter.

I. 1" edge bore diameter;
1" strike pocket diameter and depth.

Minimum strike pocket depth is 1".

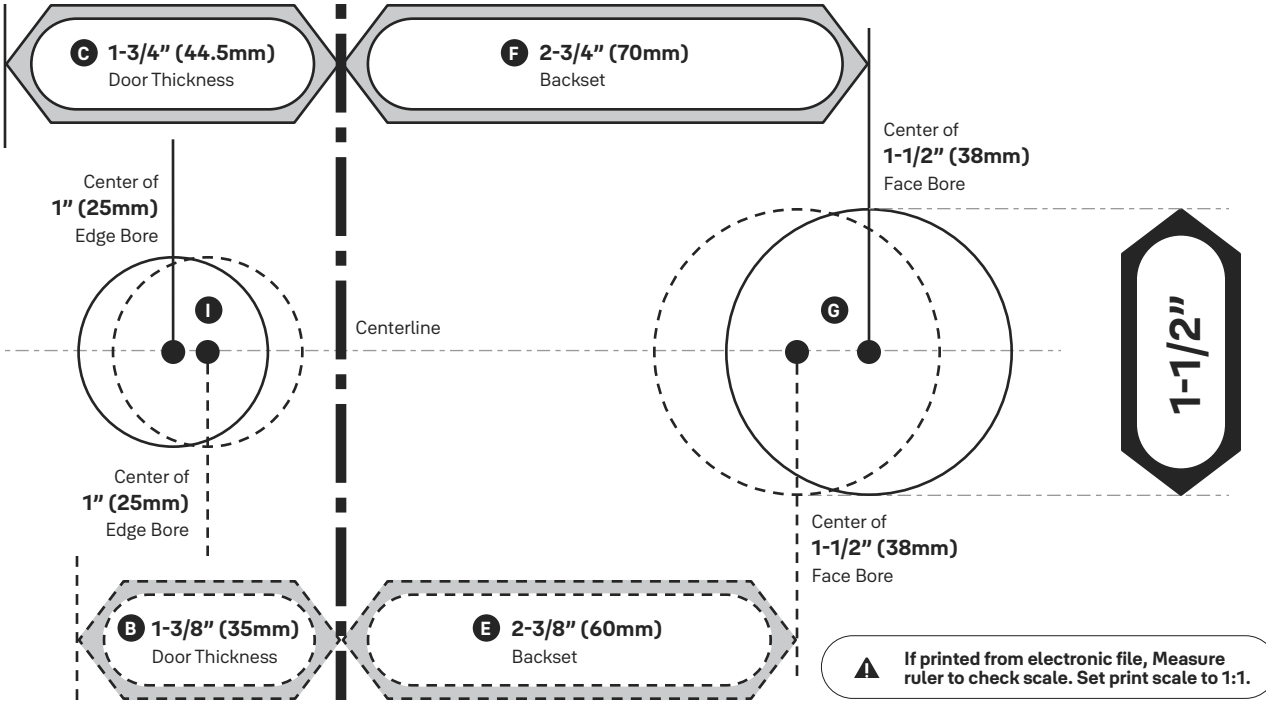
Marking Template for 2-1/8” (54mm) Face Bore



Tear Along the Dotted Line

If printed from electronic file, Measure ruler to check scale. Set print scale to 1:1.

Marking Template for 1-1/2" (38mm) Face Bore

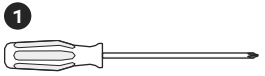


P/N YRD510 Rev B

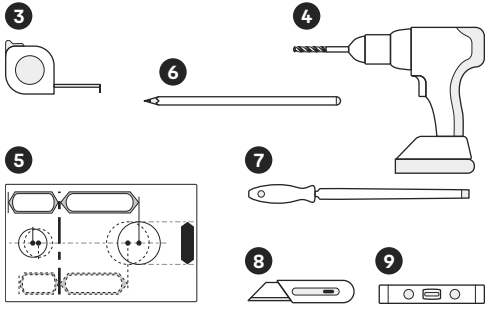
Tear Along the Dotted Line

Installation and Setup Guide

Required Tools



You Might Also Need



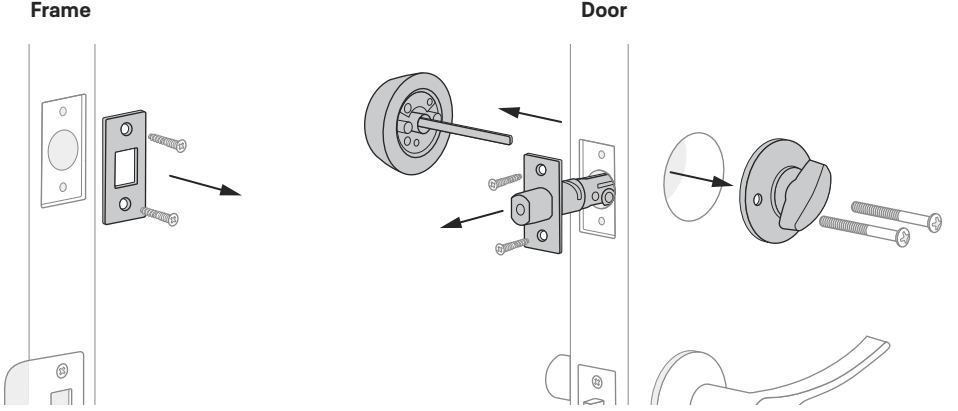
1. **Phillips Head Screwdriver**
2. **Door Checker**
   (tear off pages 5-6 of this manual)
3. **Tape Measure**
4. **Drill**
5. **Marking Template**
   (tear off pages 7-8 of this manual)
6. **Pencil**
7. **Wood Mortise Chisel**
8. **Utility Knife**
9. **Level**

⚠ Failure to follow the Installation Guide precisely could result in damage to the product, voiding the factory warranty, and could lead to failure of the product to provide access.

1a Remove Existing Deadbolt

If you have a new door, please proceed to step 1b. →

If you have a deadbolt on your door, use the diagram to help you remove it.

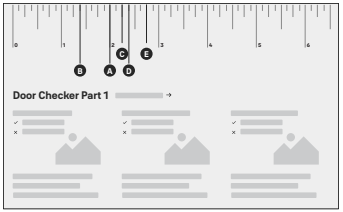


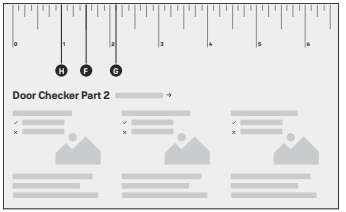
⚠ Keep your old deadbolt until your new lock has been successfully installed.

1b Check Door Measurements

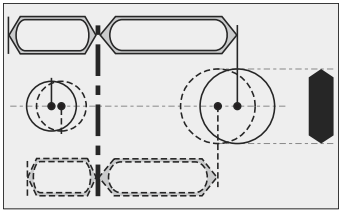
If your door doesn't have holes, please proceed to step 1c. →

Tear off the **Door Checker** (pages 5-6) and follow the guidelines on **both sides** to measure each aspect of your door and frame. There are some cases when existing holes cannot be adjusted to be compatible.





✎ If you need to make adjustments, go to **step 1c** and find the closest match to each aspect of your door on the **Marking Template**.



⚠ Please do not drill any holes until you confirm that your door is compatible.

If you have confirmed that the existing holes are compatible with your new lock, please proceed to step 2 (skip step 1c).

1c Make or Adjust Holes

Skip this step if you have confirmed that the existing holes are compatible (step 1b).

1. Tear off the **Marking Template** (pages 7-8), and choose the preferred face bore diameter (**2- 1/8"** or **1-1/2"**) on either side of the template.

2. Tape the Marking Template onto the door as shown.

3. Check the door thickness. It should match either the shape with **solid** outlines (**1-3/4"**), or the one with **dashed** outlines (**1-3/8"**).

3a. Use **solid** lines as a template for **1-3/4"** door thickness.

3b. Use **dashed** lines for **1-3/8"** door thickness.

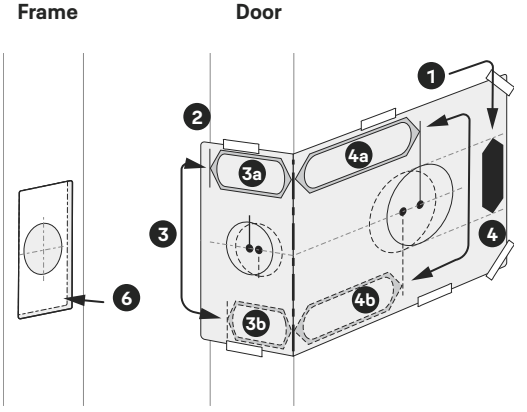
4. Choose your preferred backset. It should match either the shape with **solid** outlines (**2-3/4"**), or the one with **dashed** outlines (**2-3/8"**).

4a. Use **solid** lines as a template for **2-3/4"** backset.

4b. Use **dashed** lines for **2-3/8"** backset.

5. Drill holes in your door where marked.

6. On the door frame, align the center of the strike plate with the center of the edge bore. Trace the strike plate, then chisel to the depth of the strike plate so it sits flush with your door frame. Drill the **1"** diameter strike pocket with a minimum depth of **1"**.

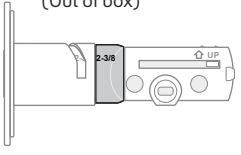


2 Install Deadbolt Latch

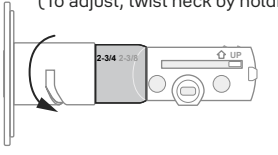
1. Correct deadbolt length is based on the backset. Refer to measurements **E** and **F** on the **Door Checker** (page 5) to verify backset.

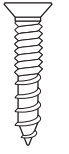
⚠ Minimum strike pocket depth is 1".

E 2-3/8" Backset
(Out of box)



F 2-3/4" Backset
(To adjust, twist neck by holding the body stable)





x 2 for Deadbolt Latch
x 2 for Strike Plate
(Actual size)

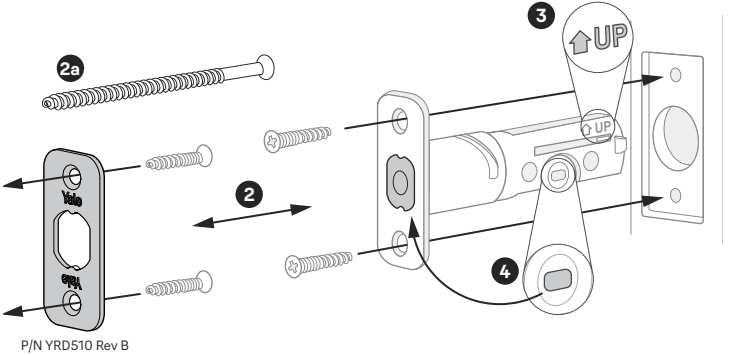
2. Align strike plate with deadbolt latch.

2a. (Option) Security screws can be used in place of the small strike plate screws.

3. Make sure UP arrow on the deadbolt is facing upwards.

4. Deadbolt latch must be in an unlocked position.

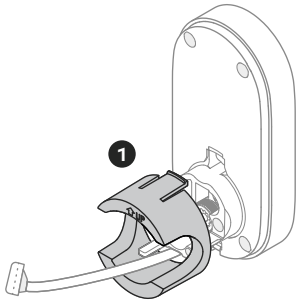
Note: If the deadbolt latch is extended, use a small flathead screwdriver to rotate slot until deadbolt latch is retracted.



3 Install Exterior Keypad

1. Refer to measurements **G** and **H** on the **Door Checker** (page 6) to measure face bore hole. If the hole is **less than 2-1/8"** (**H**), remove plastic adapter by applying pressure to the tabs on its top and bottom and pulling it off the body of the exterior keypad.

Note: Removing the adapter might also help if your face bore and edge bore are of irregular shape or are not properly aligned.



⚠ **Install your lock with the door open.**
Do not close your door until all the steps are completed.

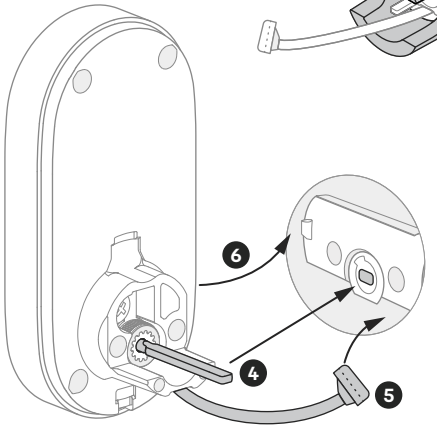
2. Remove the plastic cover from the keypad.

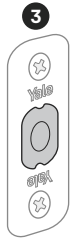
3. Make sure your deadbolt latch is in an unlocked position. Refer to **step 2, point 4** (page 13) for guidance on how to retract it, if needed.

4. Slide the tailpiece through the deadbolt latch slot.

5. Guide the wire cable under the deadbolt.

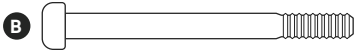
6. Slide the keypad in place, making sure it's on the exterior part of your door.



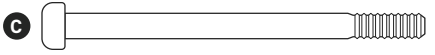


4 Install Mounting Plate

1. Refer to measurements **B**, **C**, and **D** on the **Door Checker** (page 5) to select screws.



x 2 Black Screws (1-3/8" - 1-3/4" door thickness)



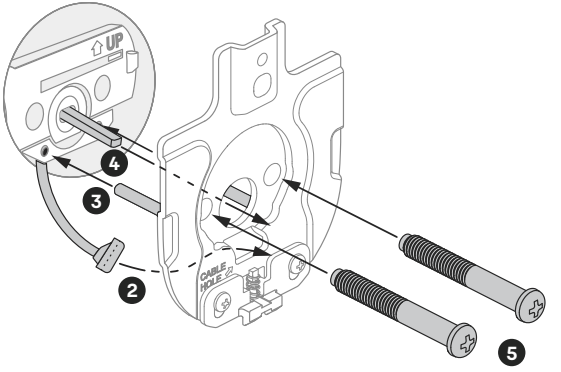
x 2 Silver Screws (1-3/4" - 2-1/4" door thickness)

2. Route the wire cable into the designated slot in the mounting plate. You may have to squeeze the cable slightly in order for it to pass through.

3. Guide posts of the mounting plate into the holes on the exterior keypad.

4. Slide tailpiece through the designated slot in the mounting plate.

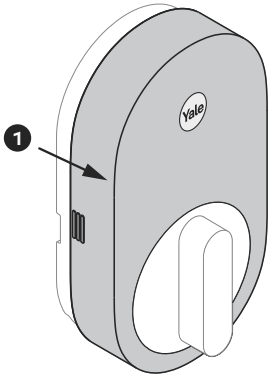
5. Tighten screws with a screwdriver to secure the mounting plate. As you tighten the screws, make sure the mounting plate and the keypad are straight.



⚠ With the mounting plate installed, ensure that the wire cable is not pinched to prevent it from reducing your lock's battery life.

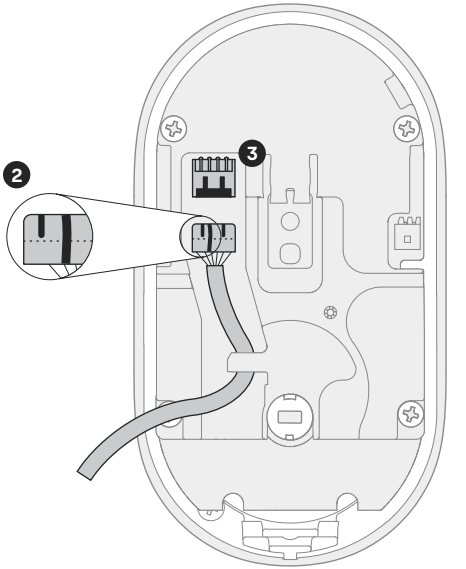
5 Attach Wire Cable to Interior Lock

1. Remove battery cover by pinching the sides and pulling it off the body of the interior lock.



2. Make sure the side of the cable end with the ridges and the marked line faces outward.

3. Push cable into the designated slot until you hear a click.



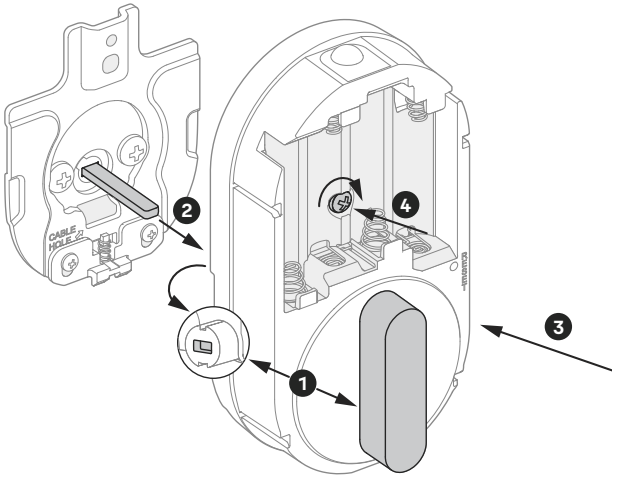
6 Install Interior Lock

1. Make sure the tailpiece slot is in horizontal position. Use the thumbturn to adjust if needed.

2. Slide the tailpiece through the designated slot on the back of the thumbturn.

3. Press the lock against the mounting plate, adjusting its position until it clicks into place and the bottom of the lock is held in place.

4. Tighten the one pre-installed screw.

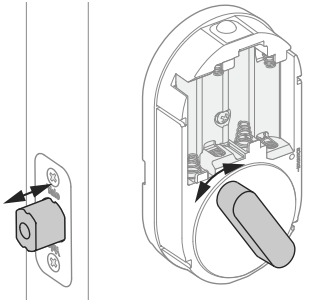


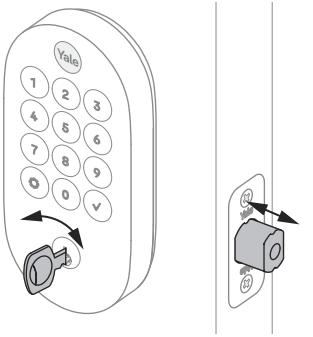
⚠ When fully tightened, lock should be flush to door.

7 Test Thumbturn and Key

If deadbolt latch does not lock or unlock with the **key** (from the outside) or the **thumbturn** (from the inside):

- Ensure that the deadbolt latch is centered in the face bore hole;
- Ensure that the tailpiece is positioned horizontally and inserted through deadbolt latch slot (**step 3, point 3**) into the thumbturn slot (**step 6, point 2**).





⚠ Smooth deadbolt latch operation will enhance your battery life.

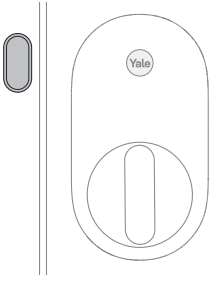
8a Install DoorSense (Optional)

If you do not wish to install DoorSense, please proceed to step 9. →

DoorSense is a magnetic sensor installed on your door frame that can keep track of when the door is opened and closed.

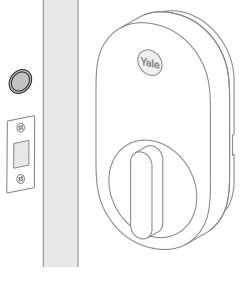
⚠ Before installing DoorSense confirm it is supported by the app the lock will be setup in. If DoorSense is supported, it should only be installed and setup after your lock has been configured in the app. Please follow the provided instructions for installation, then scan the QR code to access calibration instructions for the door position sensor.

For **surface mount** instructions, please proceed to **step 8b**. →



Surface mount is a quick and easy option to secure DoorSense on the inside of your door frame.

For **flush mount** instructions, please proceed to **step 8c**. →



Flush mount is installing DoorSense into the edge of the door frame. It provides a cleaner look with more robust performance but requires drilling.

8b DoorSense Surface Mount

1. Remove one side of the backing from the adhesive.

2. Attach tape to the back of the DoorSense, ensuring it is aligned with the edges of the device and the screw holes.

3. Remove the remaining backing from the adhesive.

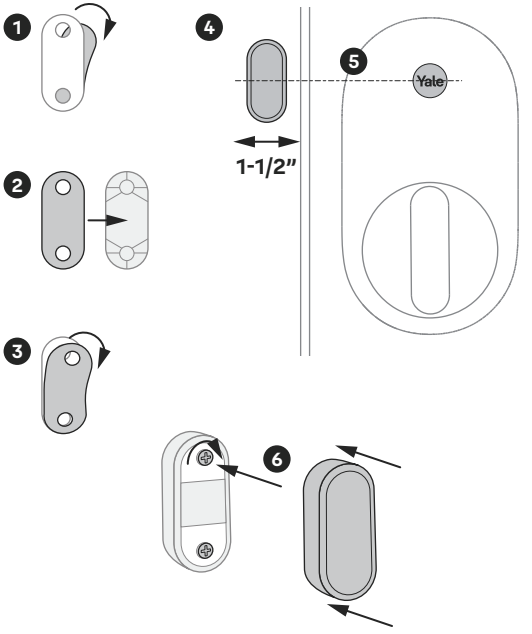
4. Determine mounting location. For optimal performance, DoorSense should be mounted within 1-1/2" from the edge of your door frame.

Note: DoorSense will still work if placed on curved or angled trim moulding around the door frame as long as it is within 1-1/2" from the edge.

5. Ensure DoorSense is in proper position by center aligning it with the Yale logo on the battery cover, and adhere it to the door frame.

6. Tighten pre-installed screws and attach cover.

⚠ It is recommended to complete the last step after your lock is calibrated to ensure you are able to retrieve accurate door state readings before modifying your frame.



8c DoorSense Flush Mount

1. Take off DoorSense cover.

2. Push the magnet out of the housing.

3. Expose the adhesive on the magnet cap by removing the blue backing.

4. Press the magnet onto the cap so that the notches interlock.

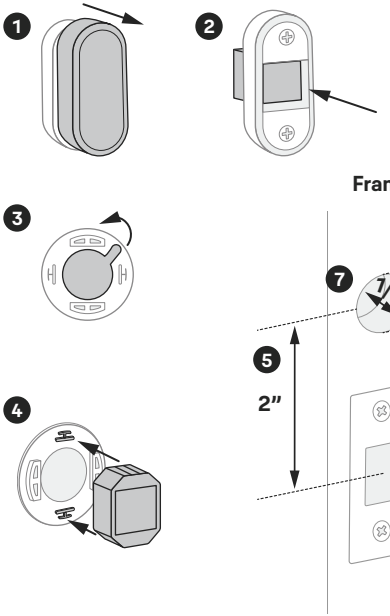
5. Determine mounting location on the door frame. The distance from the center of the strike plate to the center of the DoorSense should be 2", making the DoorSense in line with the logo on the battery cover of the lock.

6. Mark a hole that's horizontally centered on the door frame and is 5/8" in diameter.

7. Drill a 1/2" deep hole where marked.

8. Insert DoorSense into the hole.

Note: If it is too snug to push in by hand, protect the frame with a piece of scrap wood and use light blows with a hammer or mallet. If it is too loose, try wrapping tape around it so that it fits snugly.



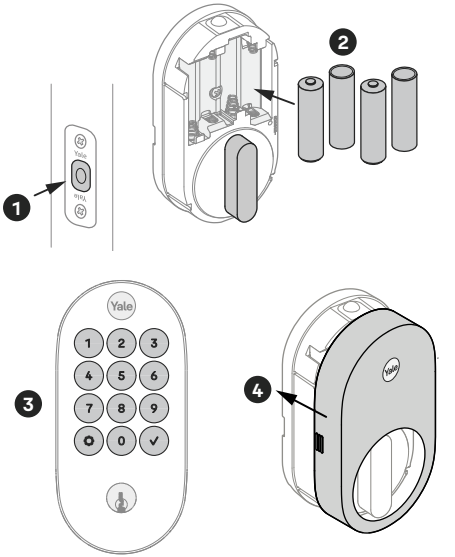
9 Install Batteries

1. Before installing batteries, make sure the deadbolt latch is unlocked.

2. Install 4 batteries.

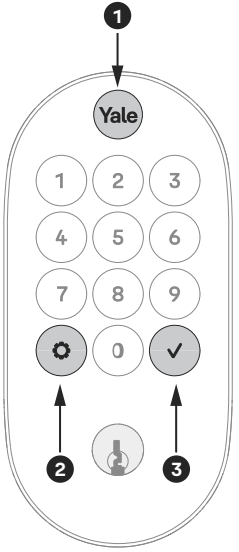
3. Once batteries are inserted, the entire keypad will light. Once this happens, the lock is in pairing mode. Scan the QR code on the Quick Start Guide for further instructions on setting up the lock.

4. Replace the battery cover.



Using Your Lock

Exterior Keypad



To **lock** your door

Press Yale

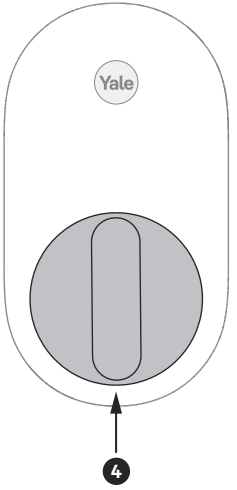
To **unlock** your door

With entry code

Enter entry code →

Press ✓

Interior Lock



1. **Wake / One-Touch Locking**
2. **Warnings**
3. **Submit Entry Code**
4. **Thumbturn**

LED Alerts

Exterior Keypad Alerts	
Gear flashes amber	Low battery level 1 & 2
Gear flashes red	Low battery level 3
Gear flashes white	Matter Pairing / Pairing success
Keypad flashes white	Bluetooth Pairing / Pairing success
Gear turns amber	Pairing failure
Keypad and gear button flash white 3 times	Entry Code is incorrect, the wrong number of digits were entered, or the entry code is out of schedule.

Resetting Your Lock to Factory Defaults

⚠ **If you have set up your lock with Yale Access App, or other Matter enabled app, you should reset the lock in the app with which the lock is set up.** Go to your lock's settings and choose "Factory Reset".

1. Remove one battery.

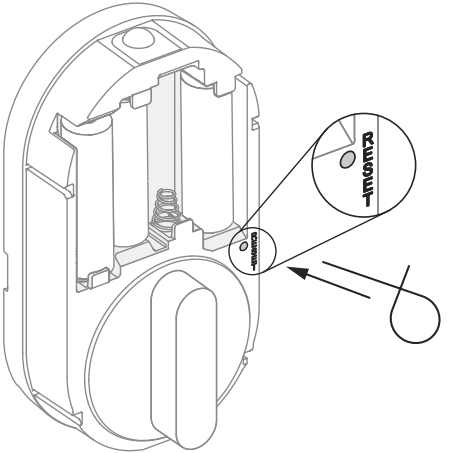
2. Insert reset pin into the designated reset hole.

3. Press and hold the reset button.

4. While holding the reset button, reinsert battery.

5. Keep holding the reset button for 5 more seconds.

6. Take out the reset pin.



Features

DoorSense	• DoorSense keeps track of when your door is closed or open. Before installing DoorSense confirm it is supported by the app the lock will be setup in.
Entry Codes	• Entry codes can be created and managed in the Google Home app or other Matter enabled app.
Auto-Lock	• Auto-Lock automatically locks the door for you. • It can be set to lock on a timer for as short as 30 seconds, or as long as 30 minutes. • When using the Auto-Lock feature with DoorSense, your door will not lock until it is closed. • Auto-Lock can be set up in the lock settings of the app.
Auto-Unlock	• Auto-Unlock knows when you arrive and unlocks the door as you approach. • Auto-Unlock can be set up in the lock settings of the app.
Integrations	• Yale Access products work in harmony with some of your favorite Matter enabled devices through the Google Home app or other Matter enabled app.

Lock Operations Troubleshooting

Lock does not respond.	• Press any key to activate the keypad. • If keypad numbers are visible, check if they respond when pressed. • Check batteries are installed and oriented correctly in battery case. Replace batteries* if needed. • Check that the keypad wire is fully connected and not pinched.
Lock does not respond – door is locked and unaccessible.	• Batteries may not have enough power. Replace batteries*. • Use mechanical key to unlock the door.
Lock is on for a while then shows no reaction. Lights dim.	• Batteries do not have enough power. Replace batteries*.
Lock chimes indicating code acceptance but door will not open.	• Check for any foreign objects between door and frame. • Check that the wire is firmly connected to the interior lock.
Lock operates to allow access but will not automatically unlock.	• Check to see if Auto-Lock is enabled. • Disable Auto-Lock to lock the door manually.
Lock responds "Low Battery".	• Replace all four (4) batteries* with new AA alkaline batteries.

* After replacing your batteries, it's highly recommended to use the app with which the lock is set up to lock or unlock your device. This will allow the app to connect to the lock to ensure that the internal time of the device is correct.

Lock Operations Troubleshooting

Entry code will not register.	• If low battery indicator is lit, replace batteries*. • Verify that your entry code consists of 4 to 8 digits. • Make sure you are using different entry codes for different users. • The check mark must be pressed after entry code is entered.
Upon entering an entry code and pressing the Check key, the lock displays "Invalid Code" error or lock times out without responding.	• Verify entered code is a valid, previously programmed, 4 to 8 digit code. • Vacation mode might be on. Only an admin user can switch vacation mode to normal in the app.
Upon entering an entry code and pressing the Check key, lock responds "Wrong Number of Digits".	• The digits entered were incorrect or incomplete. Re-enter the correct code followed by the Check key.
Deadbolt does not extend when locking the door with the keypad.	• Lock was not handed properly. Find the setting called "Lock Handing" to fix this issue.

* After replacing your batteries, it's highly recommended to use the app with which the lock is set up to lock or unlock your device. This will allow the app to connect to the lock to ensure that the internal time of the device is correct.

Hardware Troubleshooting

Deadbolt grinds and will not extend to lock when using an entry code but thumbturn locks and unlocks smoothly.	• Lock was not handed properly. Find the setting called "Lock Handing" to fix this issue.
Deadbolt is hitting the strike plate.	• Reposition the strike plate to align with deadbolt.
Deadbolt is not fully extending.	• Increase depth of the deadbolt strike pocket in the frame.
Resistance when locking deadbolt that requires pushing or pulling on the door to align deadbolt and latch.	Adjust your existing knob, lever, or handleset strike plate. Latch engagement into the strike is the main component used for door alignment. To adjust knob / lever / handleset strike plate: 1. Remove plate from door frame with a hand screwdriver. Note: using an electric driver may strip screw heads or enlarge screw holes. 2. Locate tab on strike plate. Bend the tab towards surface of strike. Note: a small change may be all that is required. 3. Reinstall strike plate using a screwdriver and test again. 4. If door cannot be adjusted sufficiently with strike tab, both knob/lever/handleset latch and deadbolt could require adjustment – we suggest you contact a local locksmith for assistance.

Use:

Use of the Works with Apple badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple performance standards.

Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

Apple®, Apple Home™, Apple Watch®, HomeKit®, and iPhone® are trademarks of Apple Inc., registered in the U.S. and other countries and regions.

Google, Google Play and Google Home are trademarks of Google LLC.

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The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Yale is under license. Other trademarks and trade names are those of their respective owners.

RF Exposure Statement: FCC and IC RF Radiation Exposure Statement: This equipment complies with FCC and IC RF Radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

RF du FCC et IC d'exposition aux radiations: Cet équipement est conforme à l'exposition de FCC et IC rayonnements RF limites é-tablies pour un environnement non contrôlé. L'antenne pour ce transmetteur ne doit pas être même endroit avec d'autres émetteur sauf conformément à FCC et IC procédures de produits Multi-émetteur. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

FCC:

FCC ID: MZR-YRD510

FCC Part 15.19

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 interference that may cause undesired operation.

FCC Part 15.21

Any changes or modifications (including the antennas) to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

Class B Equipment

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.
- Distance between EUT and users is 20 cm.

Warning:

Changes or modifications to this device, not expressly approved by **Yale Home** could void the user's authority to operate the equipment.

Industry Canada:

IC ID: 2676A-YRD510

This Class A digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations.

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operations is subject to the following two conditions:

(1) This device may not cause interference

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) L'appareil ne doit pas produire de brouillage;

(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CAN ICES-3 (B) / NMB-3 (B)

Yale Home

24/7 Support: 1-855-213-5841 • support.shopyalehome.com

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Trusted Every Day

P/N YRD510 Rev B