66452-001
Rev 01
914C
Z-Wave® Plus

Kwikset

HOME CONNECT™

ENGLISH

convert
Smart Lock Conversion Kit
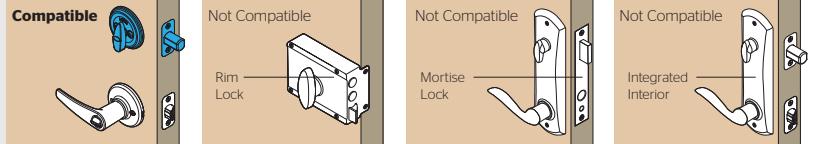
Installation and User Guide
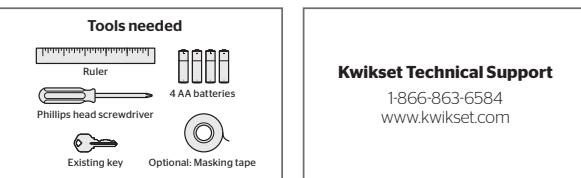
Parts in the box

Kit "A"	Kit "B"	Kit "C"
Black mounting plate — Black adapter	Gold mounting plate — Gold adapter / Black adapter	Silver mounting plate — Silver adapter / Gold adapter
Mounting plate screws — Interior assembly screws / Interior cover screws	Mounting plate screws — Interior assembly screws / Interior cover screws	Mounting plate screws — Interior assembly screws / Interior cover screws
Interior cover	Interior assembly	Battery pack

Tools needed

Ruler

Phillips head screwdriver

Existing key

4 AA batteries

Optional: Masking tape

Kwikset Technical Support
1-866-863-6584
www.kwikset.com

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1 Begin with your smart home app

If you will be using a smart home app with your lock, download the app and set up your controller or hub before proceeding further with lock installation.
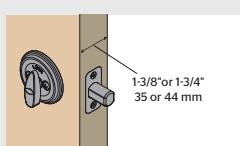
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2 Prepare your door

A Make sure your existing deadbolt is compatible. If you have a standard deadbolt mounted separately from the handle below it, it is compatible with Kwikset Convert.

Compatible

Not Compatible — Rim Lock

Not Compatible — Mortise Lock

Not Compatible — Integrated Interior

B Make sure your door is aligned before proceeding with installation.

You should be able to lock and unlock your door smoothly without any resistance, and without pushing, pulling or lifting your door.

If your door is not aligned, you may need to order a Warped Door Service Kit, available through Kwikset Support: 1-866-863-6584

C Measure to confirm that your door is either 1-3/8" or 1-3/4" (35 mm or 44 mm) thick.
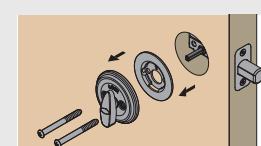
1-3/8"or 1-3/4"
35 or 44 mm

D Make sure your door is open and extend your latch bolt. Make sure your key is NOT in the deadbolt exterior.

extended
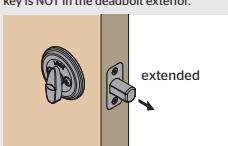
E Optional: Secure your deadbolt exterior with masking tape.

F Remove all existing deadbolt hardware from the interior side of your door.

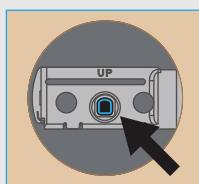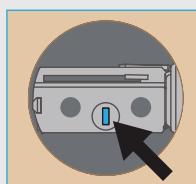## 3 Determine the parts needed for your door

For a list of compatible deadbolt models, please see the Kwikset Convert page at www.kwikset.com

Look into the hole in your door.
What shape is your torque blade (the part sticking out through the latch)?

D-shape	Vertical rectangle	Slanted rectangle	Horizontal rectangle
UP			
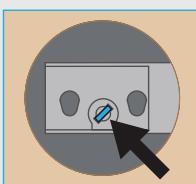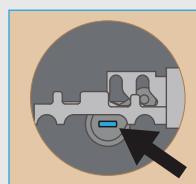
Kwikset and Weiser deadbolts:
Use kit "A" for your door.

Baldwin Estate deadbolts:
Use kit "B" for your door.
You will need the gold adapter and the thinner gold screws.

thinner screws
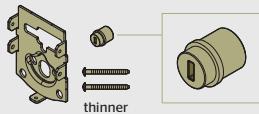
Schlage deadbolts:
Use kit "C" for your door.
You will need the silver adapter.

Schlage deadbolts:
Use kit "C" for your door.
You will need the gold adapter.
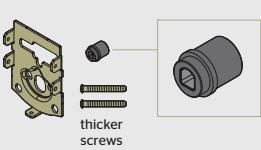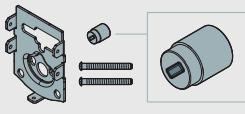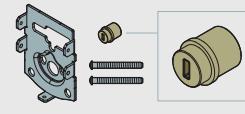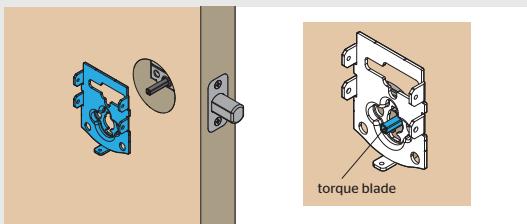
Baldwin Reserve and Baldwin Prestige deadbolts:
Use kit "B" for your door.
You will need the black adapter and the thicker gold screws.
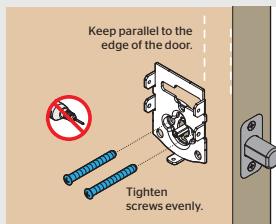
thicker screws

4 Install the mounting plate and test your latch

A Place the mounting plate on the door so that the torque blade inserts through the center hole.

torque blade

Note: A D-shaped torque blade is shown, but installation is the same for all models.

B Secure the mounting plate with the mounting screws.

Keep parallel to the edge of the door.

Tighten screws evenly.

Kwikset & Weiser Only:
To determine which mounting screws to use, test one of the thicker screws first.

If the thicker screw fits, continue installing the thicker screws. If the thicker screw doesn't fit, install the thinner screws.

C Remove the masking tape from the exterior deadbolt, and insert your key and test the latch for smooth operation.

If the latch does not extend or retract smoothly, adjust the mounting screws.
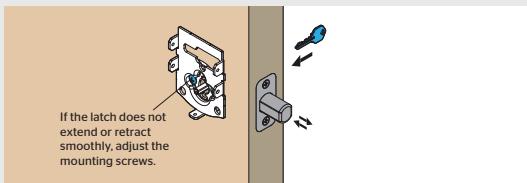
D Remove your key and make sure the bolt is fully extended.
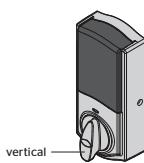
fully extended
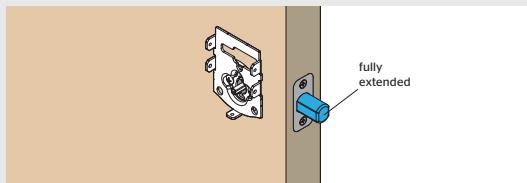
5 Install the interior assembly
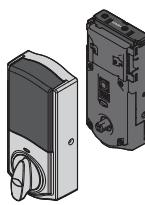
actual size

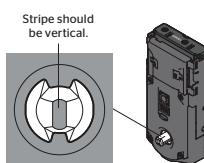**A** Remove the interior cover and battery pack.

a Make sure the turnpiece is in the vertical position.

vertical

b Remove the interior cover.

c Make sure shaft is oriented as shown. If needed, rotate the shaft to this position.

Stripe should be vertical.

d Remove the battery pack.

Do not install batteries yet.
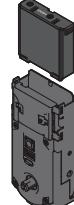
B Install the adapter on the interior assembly.

back view of interior assembly

align tabs

Silver adapter: Tab is on bottom.

Gold adapter: Keep slot vertical.

Black adapter: Curve is on top.

Press adapter firmly onto the interior assembly.
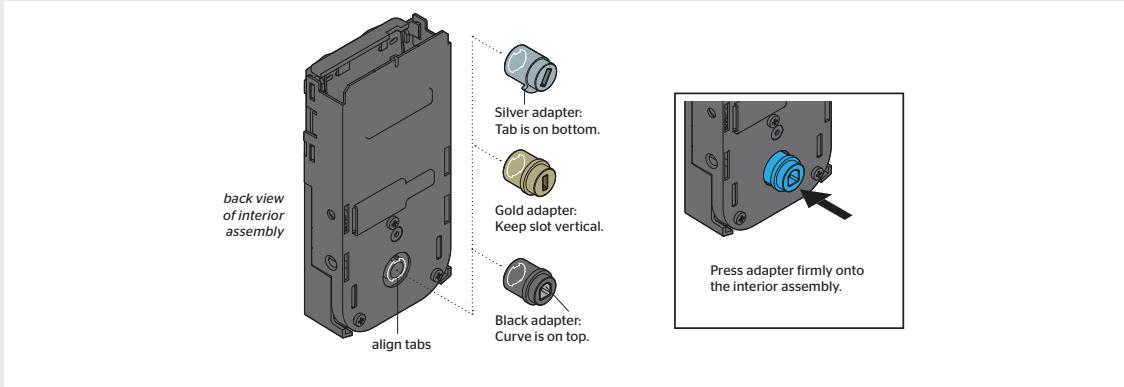
C Align the adapter with the torque blade and push the interior assembly onto the mounting plate.

Schlage Deadbolts Only:
You may need to rotate the adapter to align with the torque blade.
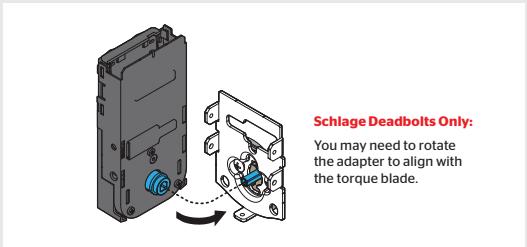
D Secure with two (2) interior assembly screws.

bottom hole

6 Perform the door handing process

This step will teach the lock the orientation of your door and is crucial for lock operation.

A Install 4 AA batteries in the battery pack.

⚠ Ensure correct polarity. For best results, use new, non-rechargeable Alkaline batteries only.
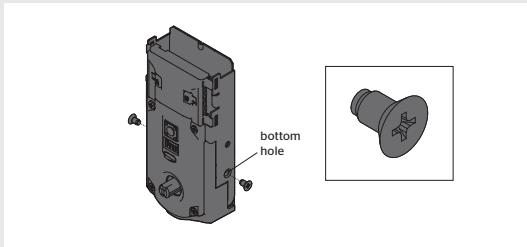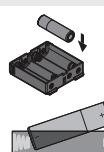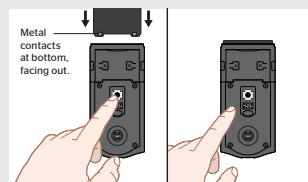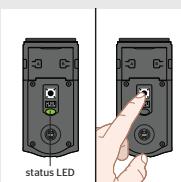
B Make sure the door is open. Insert the battery pack while **PRESSING AND HOLDING** the Program button. Release the button when the battery pack is all the way inside the lock interior.

Metal contacts at bottom, facing out.

C The Status LED will flash red and green, and the lock will beep. **Press and release the Program button again.**

status LED

D The latch bolt will retract and extend on its own to learn the orientation of the door. Did the Status LED turn green or red?

Green: Door handing successful. Continue to step 7.

Red: See "Red Status LED" below.

If the bolt does not move, make sure the batteries are installed correctly, and perform steps 6A-6D again.

Red Status LED

BALDWIN ESTATE DEADBOLTS:

If your latch bolt is to the RIGHT of your interior assembly, and the Status LED is solid red after door handing, **press and release the Program button again**. The door handing process will restart.

If you are unsure if your lock is Baldwin Estate, see chart on page 1 or compatible deadbolt list online.

Right
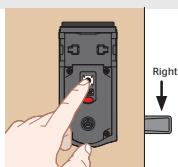
OTHER DEADBOLTS:

If the Status LED is solid red after door handing, make sure the batteries are installed correctly and the lock interior is correctly installed. Perform steps 6A-6D again.
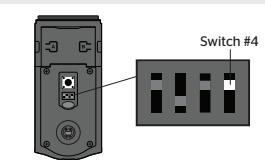
7 Check the Status LED

A The Status LED blinks every six seconds to communicate whether the door is locked or unlocked.

Amber: Locked

Green: Unlocked

B Use your key to lock and unlock your door, and verify that the Status LED is communicating correctly.
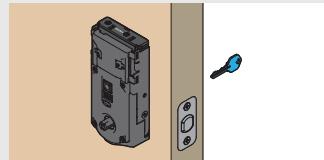
C If the Status LED is displaying the wrong door lock status, flip switch #4 to the ON position.

Switch #4

8 Add the lock to your smart home system

A Initiate the process to add the lock to your system at your smart home controller. Refer to your smart home system instructions for more information.

B When prompted by your smart home system to add the lock, press button "A" on the lock interior one time. The red LED will illuminate when the lock enters Add Mode.

button "A"

Please allow time for the controller to add the lock.

C If successful, re-name the lock in your system (if applicable).

D If unsuccessful, follow your system's instructions to remove the lock from the controller and any other network, then press button "A" on the lock one time.

Perform steps 8A-8C again.

If still unsuccessful, see "Troubleshooting: Adding the Lock to a Smart Home System" on page 4.

9 Install the interior cover

actual size

Important Information about the interior cover

The window on the interior cover is locked by default to prevent someone from tampering with your lock's settings.
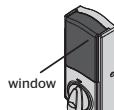
window

If you wish to unlock the window, you can slide it up for more convenient access to the programming buttons while the cover is installed.

To unlock the window, remove the security screw.
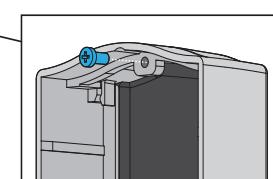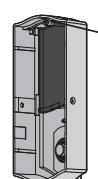
Cover Installation:

a Install cover.

Note: You may need to rotate the turnpiece to align with the turnpiece shaft.
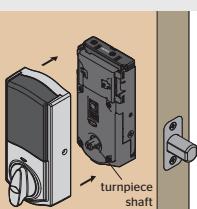
turnpiece shaft

b Install screws.
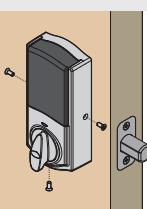
Note: The interior cover and screws must be removed for battery pack access.

Kwikset Convert at a Glance

Button "A"
Back panel
Program button
Button "B"
Switches
Status LED
Turnpiece shaft

Switches

These features can be adjusted in some smart home apps.

1 2 3 4

on   off

1. Status LED
Door lock status LED blinks every 6 seconds. ON position is factory default.

2. Auto-Lock ⚠
Automatically re-locks door 30 seconds after unlocking. OFF position is factory default.

⚠ **CAUTION:** With this feature enabled, it is possible to lock yourself outside.

3. Audio
Beeping sound is heard during programming and normal operation. ON position is factory default.

4. Invert ⚠
Only used if the Status LED is communicating the opposite door lock status.

Status LED Notifications

Amber flash
Door is locked

Green flash
Door is unlocked.

Red flash
The 4 AA batteries in the interior are low and need to be replaced.

Factory Reset

A factory reset will remove your lock from your smart home system.

1 Remove battery pack.

2 Press and HOLD the Program button while reinserting the battery pack.

Keep holding the button for 30 seconds until the lock beeps and the status LED flashes red.

Status LED

3 Press the Program button once more. When the LED flashes green and you hear one beep, the lock has been reset.

4 Perform the door handing process again to teach the lock the orientation of the door and pair the lock to your smarthome system.

Troubleshooting: Adding the Lock to a Smart Home System

Some Z-wave systems require that the lock be within 12" of the controller during the adding process. If this is the case, follow the steps below to remove the lock interior from the door to perform the process closer to the controller:

1. Remove the small screws that secure the interior assembly to the mounting plate.

2. Remove the interior assembly from the door.

3. Hold the interior assembly a maximum of 12" (305 mm) from your smart home controller for the rest of this process.

12"
305 mm
Z-Wave Controller

4. Initiate the process to add the lock to your system at your smart home controller. Refer to your smart home system instructions for more information.

5. When prompted by your smart home system to add the lock, press button "A" on the lock interior one time. The red LED will illuminate when the lock enters Add Mode.

6. Once successful, re-name the lock in your system (if applicable). Then, reinstall the lock interior on the interior assembly.

12"
305 mm
Z-Wave Controller

Please allow time for the controller to add the lock.

Network Information

Removing the lock from the network

Follow your smart home system's instructions to remove the lock from the network. When prompted by the system, press button A" on the lock interior once.
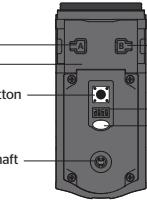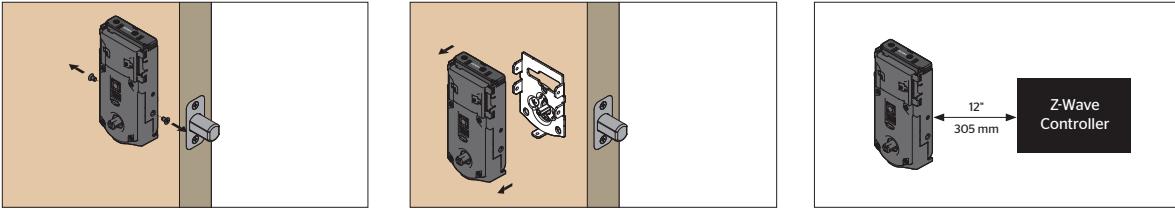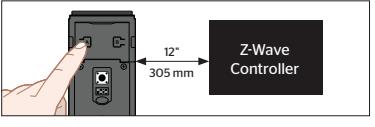
Z-Wave System Notes

This product is a security enabled Z-wave Plus product and must be used with a Security Enabled Z-Wave controller to be fully utilized. Z-Wave is a "Wireless mesh network," and results may vary based on building construction and communication path.

To assure interoperability, each Z-Wave product must pass a stringent conformance test to assure that it meets the Z-Wave standard for complete compliance with all other devices and controls. The Z-Wave identity mark assures consumers, integrators, dealers and manufacturers that their products will reliably perform with any other Z-Wave device. And, regardless of the vendor, always powered nodes may act as a repeater for Kwikset/Weiser/Baldwin products.

Z-Wave Configuration and Association Parameters are available on the Kwikset Convert page at www.kwikset.com.

Important Safeguards

1. Read all instructions in their entirety.
2. Familiarize yourself with all warning and caution statements.
3. Remind all family members of safety precautions.
4. Always have access to your lock's standard key.
5. If using the Auto-Lock feature, make sure to have your standard key with you to prevent locking yourself out.
6. Replace low batteries immediately.

⚠ **CAUTION:** Prevent unauthorized entry. Restrict access to your lock's back panel and routinely check your settings to ensure they have not been altered without your knowledge.

⚠ **WARNING:** This Manufacturer advises that no lock can provide complete security by itself. This lock may be defeated by forcible or technical means, or evaded by entry elsewhere on the property. No lock can substitute for caution, awareness of your environment, and common sense. Builder's hardware is available in multiple performance grades to suit the application. In order to enhance security and reduce risk, you should consult a qualified locksmith or other security professional.

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1. Association Groups

The lock supports 2 association groups. Per Z-Wave Plus requirements, group 1 is assigned to the *Lifeline* group and can only support 1 node.

The *Lifeline* group supports the following unsolicited messages:

Command Class	**Command**
Command Class Battery	Battery Report
Command Class Door Lock	Door Lock Operation Report
Command Class Notification	Notification Report
Command Class Device Reset Locally	Device Reset Locally Notification

Association group 2 is identified as the "**Doorlock notify report**" group. It allows at most 5 other nodes to be associated with the lock and will provide all Notification Reports, via the Command Class Notification, generated by the lock.

2. Configuration Parameters

The Z-Wave door lock module supports the use of the configuration command class to provide advanced configuration of the door lock over the Z-Wave network. This section describes the configuration parameters supported by the door lock.

2.1 Configuration Parameters 31

Parameter Name: Dipswitch Settings

Data Length: 1 byte

Default Value: 5 (Buzzer enabled and Lock Status LED enabled)

Possible Values:

	0	All features disabled
	1	Lock status LED enabled
	2	Autolock enabled
	4	Internal buzzer enabled
	8	Handing invert enabled
	3	Autolock & Lock status LED enabled
	5	Internal buzzer and lock status LED enabled
	7	Autolock, Internal buzzer, and lock status LED enabled
	15	All features enabled

Description:

Configuration parameter is a one byte read only bit mask that returns the state of the user accessible dipswitches on the rear panel of the door lock. This is a read only parameter and cannot be used to set dipswitch settings.

The following table shows the definition for the bits being used in the returned value:

Bit	Description
0 (0x01)	Lock status LED (1:enabled)
1 (0x02)	Autolock setting (1:enabled)
2 (0x04)	Buzzer (1:enabled)
3 (0x08)	Handing Invert (1:enabled)

2.2 Configuration Parameters 33 and 34

Parameter Name: SKU (length = 8 bytes)

Data Length: 4 bytes (each parameter)

Default Values for 33 and 34: 0x20, 0x20, 0x20, 0x20 (all spaces)

Possible Values: From 32 to 126 (All printable characters will be accepted)

Description:

The configuration parameters 33 and 34 are used to set and get the SKU part numbers. The SKU is made up of 8 bytes. Each parameter consists of four bytes of data. Parameter 33 contains the first four most significant bytes of the SKU, while parameter 34 contains the four least significant bytes of the SKU.

When setting the SKU, it must be done in two set commands, one for each parameter. The order of programming the SKU does not matter.

Setting parameter 33 will program the first four bytes of the SKU. Setting parameter 34 will program the last 4 bytes of the SKU. Most printable values are accepted for the set command.

When getting the SKU, it must be done in two get commands, one for each parameter. The order of getting the SKU does not matter.

Getting parameter 33 will retrieve the first four bytes of the SKU. Getting parameter 34 will retrieve the last 4 bytes of the SKU.

2.3 Configuration Parameter 40

Parameter Name: Reset Lock to Factory Default

Data Length: 1 byte

Default Value: 0

Possible Values: 1 – have lock perform factory reset

Description:

The configuration parameter 40 is a one byte field, used to set the lock to its default setting, known as a factory reset command.

Reading this parameter will always return a value of 0.

Writing a value of 1 to this parameter will cause both the lock and Z-Wave card to reset back to their default settings and will remove itself from the network. All network information, including associations will be cleared.

3. Inclusion Procedures

1. Power the lock by placing the battery pack into the lock
2. On the controller, select the option to add a device.
3. On the lock, press button 'A'. The red LED will illuminate until the add request has been processed.

4. Exclusion Procedures

1. Power the lock by placing the battery pack into the lock
2. On the controller, select the option to remove a device
3. On the lock, press button 'A'. The red LED will illuminate until the removal request has been processed.

5. Reset Procedures

A factory reset will delete all codes associated with the lock and will remove it from your smart home system. It will not remove any anti-theft settings.

Please use the local reset procedure only when the primary controller is missing or inoperable.

5.1 Local

1. Remove battery pack and press the program button a few times to discharge.
2. Press and hold the program button.
3. Replace the battery pack.
4. Continue holding the program button for 30 seconds until the lock beeps and the state LED flashes red.
5. Press the program button again. The status LED will flash green.
6. When the cycle of red and green flashes ends, the reset has completed.
7. Wait for the lock to reboot.

5.2 Remotely

1. From a controller, write a 0x01 to configuration parameter 40.

2. When the cycle of red and green flashes ends, the reset has completed.

3. Wait for the lock to reboot.