66455-001
Rev 01
Vivint
Z-Wave® Plus

Kwikset

HOME CONNECT™

ENGLISH

SMARTCODE 888™
TOUCHPAD ELECTRONIC DEADBOLT
Installation and User Guide

Required tools

4 AA Batteries   Ruler   Phillips head screwdriver

Additional Tools (depending on application)

Hammer   Wood block

Kwikset Technical Support

1-866-863-6584
www.kwikset.com

Parts in the box

Latch	Interior Assembly	Exterior Assembly
A	M	F
B	K	
"B" is not included. If needed, please contact Kwikset to order a drive-in latch for your lock.	L	**Fasteners**

Strike	Keys
C	E

Adapter Ring	Mounting Plate	SmartKey Tool
D	G	H

Fasteners:
- 03809 — N, P
- 46780 — Q, S
- 66128 — T
- 49191 — U
- 64109 — V

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1 Prepare the door and check dimensions

If drilling a new door, use the supplied template and the complete door drilling instructions available at www.kwikset.com/doorprep.

A Measure to confirm that the hole in the door is either 2-1/8" (54 mm) or 1-1/2" (38 mm).

2-1/8"
54 mm
or
1-1/2"
38 mm

Note: Additional door preparation may be required for doors with 1-1/2" (38 mm) holes. Consult the deadbolt drilling instructions at www.kwikset.com/doorprep.

B Measure to confirm that the backset is either 2-3/8" or 2-3/4" (60 or 70 mm).

2-3/8" or 2-3/4"
60 or 70 mm
backset

C Measure to confirm that the hole in the door edge is 1" (25 mm).

1"
25 mm

D Measure to confirm that the door is between 1-3/8" and 2" (35 mm and 51 mm) thick.

1-3/8" – 2"
35 – 51 mm

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2 Install the latch and strike

actual size

N   P   Q

S

A Is the door edge chiseled?

YES	NO
chiseled	not chiseled
Use latch "A". If the latch bolt is not already extended, extend the latch bolt as shown.	Use latch "B" (not included). If the latch bolt is not already extended, extend the latch bolt as shown.
A	B

B Hold the latch in front of the door hole, with the latch face flush against the door edge.

A   B

C Is the D-shaped hole centered in the door hole?

YES	NO
D-shaped hole	D-shaped hole
No adjustment is required. Proceed to next step.	Rotate latch face as shown to extend latch.
	A
	B

D Which latch are you installing?

Latch "A"   or   Latch "B"

A   B

N or P
(2x)

wood block

E Install strike on the door frame.

⚠ Make sure the hole in the door frame is drilled a minimum of 1" (25 mm) deep.

Longer screws install closest to the door jamb.

S (2x)
Q (2x)
door frame
C

3 Install the exterior keypad

actual size

T
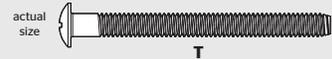
A What is the diameter of the hole in the door?

Diameter is 2-1/8"
(54 mm)

2-1/8"
54 mm

or

Diameter is 1-1/2"
(38 mm)

1-1/2"
38 mm

"D" is required for installation. Install "D" on "F".

F

D

"D" is not needed for installation. Discard "D".

D
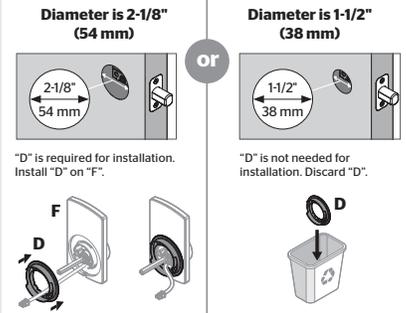
B Locate screws for step 3C and keep them within reach.

T
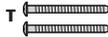
C Install exterior keypad and mounting plate.

a

F

Cable goes underneath latch.

b ⚠ Support exterior assembly during mounting plate installation.

G

Route cable through center hole, then push cable into bottom hole.

c Keep parallel to edge of door.

Tighten screws evenly.

T *(2x)*

d

T

E

Insert key and test latch. If latch does not extend or retract smoothly, adjust screws (T).

Remove key when finished and make sure the latch bolt is fully extended.

4 Install the interior assembly

actual size

U

A Remove battery cover and battery pack from interior assembly.

a

Make sure turnpiece is in the vertical position.

b

L

M

c

Make sure turnpiece shaft is rotated as shown.

L

d

K

Do not install batteries until step 5.

L
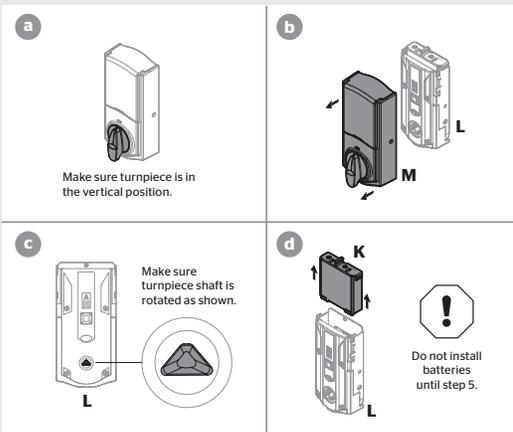
B Install interior assembly onto mounting plate.

a

L

align

Ensure tight cable connection.

b

Lay excess cable flat inside the bottom of the interior housing.

c

d

U
(2x)

bottom hole
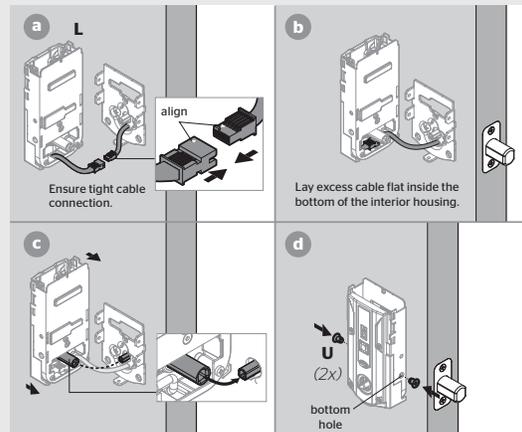
5 Install the batteries and perform the door handing process

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

A Install 4 AA batteries in battery pack.

K

⚠ Ensure correct polarity. For best results, use new, non-rechargeable Alkaline batteries only.
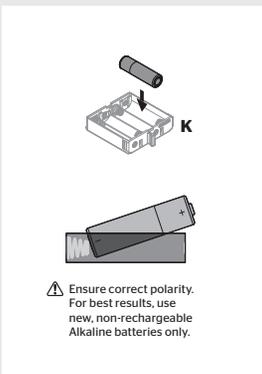
B Make sure the door is open, and insert the battery pack.
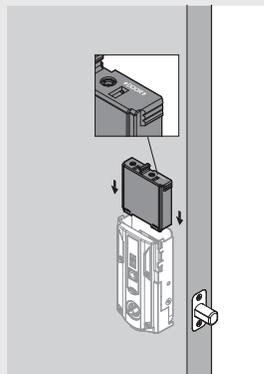
C After a few seconds, the latch bolt will retract and extend on its own to learn the orientation of the door. This is called the *door handing process*, and it is crucial to lock operation.

Status LED will indicate success or failure.

Success: LED flashes green
Failure: LED remains solid red

Note: Latch bolt will only retract half way.
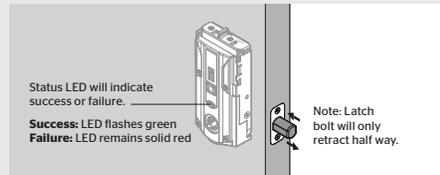
D If the latch bolt does not move on its own, or if the Status LED indicates a door handing failure, make sure the cables are connected, the batteries are installed correctly, and attempt this procedure again.

If the door handing process is still unsuccessful after a second attempt, perform the "Manual Door Handing" procedure on page 4.

6 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"
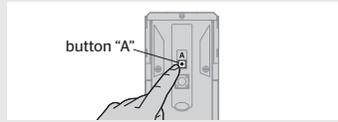
Please allow time for the controller to add the lock.

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 6A-6C again.

If still unsuccessful, consult the Programming and Troubleshooting Guide on the SmartCode 888 page at kwikset.com.

7 Add user codes (30 max)

It is recommended that you add and delete all user codes through your smart home control system. If your system does not allow this, codes may be added directly to the lock as shown here.

Programming Timeout
During programming, if no button is pressed for five seconds, the system will time out (indicated by three beeps and a red flashing lock button), and you will need to restart the procedure.

Mastercode

For enhanced security, a mastercode may be used when adding and deleting user codes. For more information about the mastercode, download the Programming and Troubleshooting Guide on the SmartCode 888 page at kwikset.com.

A Make sure the door is open. Press the Program button once.
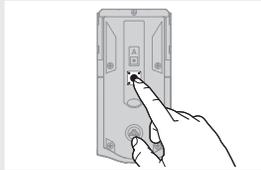
B Enter user code. A total of 30 user codes may be programmed.

Each user code must be a unique code between 4 and 8 digits, depending on your smart home system.

C Press Lock button once.
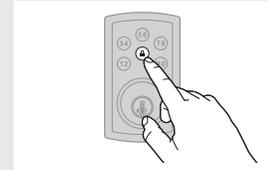
D What lights and sounds does the lock produce?

Lock button flashes green once with one beep

green
1x
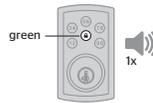
Programming was successful.

or

Lock button flashes three times with three beeps

red
3x
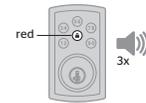
Programming was unsuccessful.

Make sure not to pause for more than 5 seconds during programming.

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 code positions are filled, delete a code to make room for this one.

8 Test the lock (review normal operation) and re-key the lock (if needed)

Confirm that the code(s) added in previous step can unlock the door.

Locking the Door

Press Lock button once.
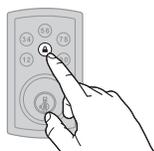
Unlocking the Door

Enter user code.

Re-Key with SmartKey

Re-key the lock to work with your existing key. See the supplied SmartKey Re-key instructions for more information.

H

9 Install the interior cover

actual size

V

A Install the interior cover.

M
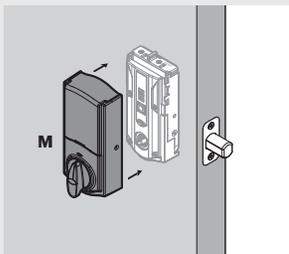
**B** Secure the interior cover with three (3) screws.

V (3x)
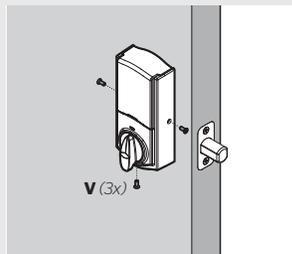
Note: To access the battery pack or back panel, slide up the window on the interior cover.
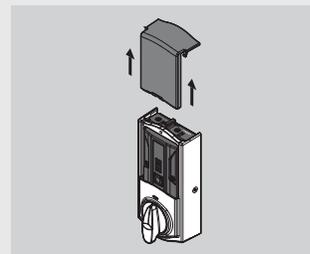
SmartCode 888 at a Glance

Interior (cover removed)

Exterior
- Keypad
- Lock button
- Keyway
- SmartKey tool hole

Interior:
- Back panel
- Button "A"
- Program button
- Status LED
- Turnpiece shaft
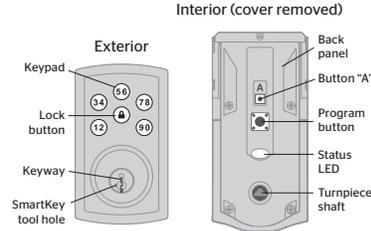
Note: When the cover is removed, the turnpiece shaft can be used to manually lock and unlock the door.

Troubleshooting

A complete Programming and Troubleshooting Guide is available on the SmartCode 888 page at www.kwikset.com.

System Alerts

Alert	Reason	Solution
Lock button flashes red once with one beep*.	One incorrect code entered.	Re-enter code.
Lock button flashes red three times with three beeps*.	No user code programmed.	Program at least one user code.
	Programming timeout after five seconds.	Attempt programming procedure again.
	Unsuccessful programming.	
Lock button flashes red 15 times with 15 beeps*	Three incorrect codes entered within one minute.	Re-enter code after 60 second keypad lockout.
Lock button flashes red with fast beeping sound for three to four seconds.	Low battery.	Replace batteries.
Lock button flashes green with continuous beeping sound for two seconds.	Door jammed while attempting to lock.	Manually re-lock door. If needed, reposition strike.

Deleting a single user code

Note: All codes may be deleted at once if the mastercode is enabled. For more information about the mastercode, consult the Programming and Troubleshooting Guide.

If no button is pressed for five seconds, the system will time out, and you will need to restart the procedure.

1. Press Program button once.
2. Press Lock button once.
3. Enter user code to be deleted.
4. Press Lock button once.
5. Re-enter user code.
6. Press Lock button once.

If unsuccessful: Make sure to enter the same valid code in steps 3 and 5.

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

Status LED

The Status LED blinks every 6 seconds to communicate whether the door is locked or unlocked. This feature is on by default.

Blinking Green: Unlocked
Blinking Amber: Locked
Blinking Red: Low battery
Solid Red: Unsuccessful door handing process. See online Programming and Troubleshooting Guide.

Status LED

Turn Status LED On/Off

1. Press Program button once.
2. Press button "A" once.
3. Press button "1-2" multiple times if needed to reach desired state.
4. Press Lock button once.

Green Lock Button: Feature is enabled.
Red Lock Button: Feature is disabled.

Auto-Lock

Auto-lock automatically re-locks the door after unlocking. This feature is set to 30 seconds and is turned off by default.

Turn Auto-Lock On/Off

1. Press Program button once.
2. Press button "A" once.
3. Press button "3-4" multiple times if needed to reach desired state.
4. Press Lock button once.

Green Lock Button: Feature is enabled.
Red Lock Button: Feature is disabled.

Change Auto-Lock Time Delay

1. Press Program button once.
2. Press button "A" once.
3. Press button "9-0" once.
4. Press button once that corresponds to desired time delay:
   "1-2" – 30 sec.
   "3-4" – 60 sec.
   "5-6" – 90 sec.
   "7-8" – 120 sec.
   "9-0" – 180 sec.
5. Press Lock button once.

Mute/Unmute Audio

Audio is on by default.

1. Press Program button once.
2. Press button "A" once.
3. Press button "5-6" multiple times if needed to reach desired state.
4. Press Lock button once.

Green Lock Button: Feature is enabled.
Red Lock Button: Feature is disabled.

Manual Door Handing

If needed, the door handing process can be initiated manually. This is useful if the lock is being moved to a different door.

1. Remove battery pack.
2. Press and HOLD the Program button while reinserting the battery pack. Release button once battery pack is installed. The status LED will flash red and green.
   Status LED
3. Press the Program button once more.
4. The latch bolt will extend and retract to learn the orientation of the door.

The Status LED will indicate success or failure.

Success: LED flashes green
Failure: LED remains solid red

If the Status LED indicates a failure, see the online Programming and Troubleshooting Guide or call Technical Support.

Factory Reset

A factory reset will delete all codes associated with the lock, and it will remove it 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. After a few seconds, the lock will initiate the door handing process, and the latch bolt will extend and retract to learn the orientation of the door.

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 SmartCode 888 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. Protect your user codes and mastercode.
5. Dispose of used batteries according to local laws and regulations.

⚠ **CAUTION:** Prevent unauthorized entry. Since anyone with access to the back panel can change the user codes, you must restrict access to the back panel and routinely check the user codes to ensure they have not been altered without your knowledge. The use of a mastercode can help protect your system's settings.

⚠ **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.

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 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: 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.

2.2 Configuration Parameter 35

Parameter Name: Interior Status LED control

Data Length: 1 byte

Default Values: 1 (enabled)

Possible Values: 1 – enabled, 0 – disabled

Description:

The configuration parameter 35 is a one byte field that will allow the user to get / set the value for the Interior Status LED control. The value of 0 means that the setting is disabled; whereas the value of 1 means that the setting is enabled.

Sending a set command with the default field set to 1 will cause the control to revert back to its factory default setting.

2.3 Configuration Parameter 36

Parameter Name: Auto-lock Feature Control

Data Length: 2 bytes

Default Values: Byte 1: 0 – disabled; Byte 2: 0x1E (HEX) (30 seconds)

Possible Values: Byte 1: 1 – enabled, 0 – disabled

Byte 2: 30, 60, 90, 120, 180 (all in seconds)

Description:

The configuration parameter 36 uses 2 bytes that will allow the user to get / set the value for the Auto Lock feature and timing for that feature. The first byte will be the enable/disable byte. The value of 0 means that the setting is disabled; whereas the value of 1 means that the setting is enabled. The next two bytes will be the timing for the Auto Lock feature and should contain the number of seconds before the Auto Lock will occur. The valid values are: 0 (default – 30 seconds), 30, 60, 90, 120, 180. For example, setting the auto lock feature for 60 seconds, the two timing bytes should be: 0x003C.

Sending a set command with the default field set to 1 will cause the control to revert back to its factory default settings.

2.4 Configuration Parameter 37

Parameter Name: Audio Feature Control

Data Length: 1 byte

Default Value: 1 – enabled

Possible Values: 1 – enabled, 0 – disabled

Description:

The configuration parameter 37 is a one byte field that will allow the user to get / set the value for the Audio feature. The value of 0 means that the setting is disabled; whereas the value of 1 means that the setting is enabled.

Sending a set command with the default field set to 1 will cause the control to revert back to its factory default setting.

2.5 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.

2.6 Configuration Parameter 47

Parameter Name: Motor Load Control

Data Length: 1 byte

Default Value: 0

Possible Values: 1 – enabled, 0 – disabled

Description:

The configuration parameter 47 uses 1 byte that will allow the user to get / set the value to enable or disable the motor load alarm. Setting this byte to 0 will disable the alarm, whereas setting this byte to 1 will enable the alarm. If a motor load alarm has been activated and the alarm has been enabled, the alarm will be sent via the Power Management group in the Notification Command Class as a Load Error (0x09).

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.