Yale Real Living® Assure Lock™
Touchscreen Deadbolt
Installation and Programming Instructions
(YRD226)

Before you begin
DOWNLOAD THE BILT APP
for 3D interactive instructions & to register your product!

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT AND VOID THE FACTORY WARRANTY
Preparing Door
Optional Fire Kit Parts
For Model YRD620 ONLY

Installing Optional Fire Cup

Inside of Door
1 Installing Latch & Strike Plate

Press
Pull

2-3/8" position

2-3/4" position

Bolt must be in retracted (unlocked) position. Note horizontal orientation of mechanism.

An ASSA ABLOY Group brand

P/N YRL-TSINSTL-FUL Rev E
2 Installing Touchscreen Escutcheon

Bolt must be in retracted (unlocked) position. Note horizontal orientation of mechanism.

optional
Installing Interior Mounting Plate

Loosen screw to remove cover.

x2
Attaching the Cable Assembly

[Diagram showing the process of attaching the cable assembly]
Installing Interior Escutcheon

x3
Testing Operation

Bolt must be in retracted (unlocked) position before installing batteries.
Testing Operation
Installing Optional Network Module
Congratulations, you've installed the Yale Real Living® Assure Lock® touchscreen Deadbolt (YRD226)!
Continue with Programming Instructions to customize your product.
Programming Instructions

Exterior Escutcheon

"P" Key
(Return to Previous)

Speaker

Low Battery Indicator

Lockout Mode

Interior Escutcheon

Privacy Mode Button

Lock Activation

Master PIN Code must be created before any further programming. Max User Codes = 250 with Network Module. Max User Codes = 25 without.
Creating Master PIN Code

Creating a Master PIN Code must be performed upon installation or after resetting the lock to factory default. Programming and use of lock is not possible until this step has been successfully completed.

1. **Register Master Code. Press the gear key to continue.**

2. **Enter a 4 to 8 digit PIN code followed by the gear key.**

3. **Registered.**
Creating User PIN Codes

Master PIN code must be created first.
*Max user codes = 250 with Network Module. Max user codes = 25 without.

"Menu Mode, enter number, press the gear key to continue."

Enter Master PIN code
Press

Enter 4-8 digit PIN code
(code flashes)

Adding more User Codes:
Press
Enter 4-8 digit PIN code
Press

To end programming:
Press
Unlocking Door with PIN Code

![Diagram showing a hand entering a PIN code into a keypad]

**Code Chart** Duplicate if necessary

<table>
<thead>
<tr>
<th>User Type</th>
<th>User Name</th>
<th>User #</th>
<th>PIN Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>User ___</td>
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<tr>
<td>User ___</td>
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</tbody>
</table>

Enter PIN Code
Press ✅
Resetting Lock to Factory Default

When lock is reset to factory defaults all user codes (including the Master PIN code*) are deleted and all programming features are reset to original default settings (see below).

1. Remove the battery cover and batteries.
2. Remove the interior escutcheon to access the reset button.
3. The reset button (see image at right) is located beside the PCB cable connector.
4. While pressing the reset button (minimum of 3 seconds) reinstall batteries. Release reset button.
5. Replace battery cover.

Upon reset, Master PIN Code creation is the only option available and must be performed prior to any other programming of the lock.
# Factory Settings

<table>
<thead>
<tr>
<th>Settings</th>
<th>Factory Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master PIN Code</td>
<td>Registration <em>required</em></td>
</tr>
<tr>
<td>Automatic Re-lock</td>
<td>Disabled</td>
</tr>
<tr>
<td>Automatic Re-lock Time</td>
<td>30 Seconds</td>
</tr>
<tr>
<td>Escape Return Mode (Model YRD620 only)</td>
<td>Disabled</td>
</tr>
<tr>
<td>Inside Indicator Light</td>
<td>Disabled (Off)</td>
</tr>
<tr>
<td>Language Setting</td>
<td>English</td>
</tr>
<tr>
<td>Lockout Mode</td>
<td>Disabled</td>
</tr>
<tr>
<td>One Touch Locking</td>
<td>Enabled</td>
</tr>
<tr>
<td>Privacy Setting</td>
<td>Disabled</td>
</tr>
<tr>
<td>Shutdown Time</td>
<td>60 Seconds</td>
</tr>
<tr>
<td>Volume Setting</td>
<td>Enabled (Low)</td>
</tr>
<tr>
<td>Wrong Code Entry Limit</td>
<td>5 Times</td>
</tr>
</tbody>
</table>

*The Master PIN code must be registered prior to any other programming of the lock.*
Definitions

**All Code Lockout Mode:** This feature is enabled by the Master code. When enabled, it restricts all user (except Master) PIN code access. When attempting to enter a code while the unit is in Lockout, the RED locked padlock will appear on the screen.

**Automatic Re-lock Time:** After a successful code entry and the unit unlocks, it will automatically re-lock after thirty (30) seconds.

**Inside Indicator Light:** Located on the interior escutcheon. Shows active status (Locked) of lock and can be enabled or disabled in the Advanced Lock Settings (Main Menu selection #3).

**Language Setting Mode:** Choosing English (1), Spanish (2) or French (3) becomes the (default) setting for the lock’s voice prompts.

**Low Battery:** When battery power is low, the Low Battery Warning indicator flashes RED. If battery power is completely lost, use the cylinder key override.

**Master PIN Code:** The Master PIN code is used for programming and for feature settings. It must be created prior to programming the lock. The Master code will also operate (unlock/lock) the lock.

**Network Module Setting:** With the optional Network Module installed, this setting becomes available thru the Main Menu (7) and allows the lock to connect with a network controller.

**One Touch Locking:** When the latch is retracted, activating the keypad will extend the latch (during Automatic Re-lock duration or when Automatic Re-lock is disabled). When One-Touch Re-lock is not in use (disabled), any valid PIN code will re-lock the lock.

**Previous:** While in Menu Mode, pressing this icon cancels the current operation and returns the user to the previous step.

**Privacy Mode:** Privacy mode is disabled by default. Enable Privacy Mode by pressing the privacy button for 4 seconds to put the lock in do-not-disturb mode (all pin codes are disabled).

**Shutdown Time:** The unit will shutdown (flashing RED) for sixty (60) seconds and not allow operation after the wrong code entry limit (5 attempts) has been met.

**Tamper Alert:** Audible alarm sounds if attempting to forcibly remove outside lock from door.

**User PIN Code:** The User code operates the lock. Maximum number of user codes is 250 with Network Module; without Network Module, maximum is 25 user codes. Note: When deleting User PIN code(s), screen will display User Number (not PIN code) being deleted.

**Volume Setting Mode:** The volume setting for PIN code verification is set to Low (2) by default; otherwise it can be set to High (1) or Silent (3) for quiet areas.

**Wrong Code Entry Limit:** After five (5) unsuccessful attempts at entering a valid PIN code, the unit will shut down and not allow operation.
Model YRD226 Feature Programming Through Menu Mode Using Master PIN code*

1. Touch screen with back of hand or palm to activate.
2. Enter 4-8 digit master PIN code* followed by key.
   Lock Response: "Menu mode, enter number, press key to continue."
3. Enter digit corresponding to the function to be performed followed by the key.
   Follow the voice commands.

*The Master PIN code must be registered prior to any other programming of the lock.

**This function appears only with network module installed.

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**Default settings in bold.**
Model YRD620 Feature Programming Through Menu Mode Using Master PIN code*

1. Touch screen with back of hand or palm to activate.  
2. Enter 4-8 digit master PIN code* followed by key.  
   Lock Response: "Menu mode, enter number, press key to continue."  
3. Enter digit corresponding to the function to be performed followed by the key.  
   Follow the voice commands.

*The Master PIN code must be registered prior to any other programming of the lock.

1 ( ) → 2 M PIN ( ) → 3

---

1 Master PIN Code Setting M PIN →
2 User PIN Code Registration
   1 Register U PIN → Complete
   3 Delete U PIN → Complete

3 Advanced Lock Settings
   1 *Automatic Re-lock 1 Enable → Enter Time 1-180 Sec → 3 Disable
   2 Inside Indicator Light 1 Enable → 3 Disable
   3 One Touch Locking 1 Enable → 3 Disable
   4 Privacy Setting Mode 1 Enable → 3 Disable

5 Handing the Lock 1 Enable → Complete
   Preforms automatic handling of the lock

6 *Escape Return Mode 1 Enable → 3 Disable

4 Volume Setting
   1 High → 3 Low
   3 Silent

5 Language Setting Mode
   1 English → 3 Spanish
   3 French

6 Lockout Mode
   1 Enable → 3 Disable

0 Set Up SEOS Card
## Programming Troubleshooting

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Suggested Action</th>
</tr>
</thead>
</table>
| Lock does not respond – door is open and accessible. | - Touchscreen becomes active when pressed w/whole hand. Use a larger area of the hand or fingers and verify contact with at least 3 areas.  
- If touchscreen numbers are visible, check to see if they respond when pressed.  
- Check batteries are installed and oriented correctly (polarity) in the battery case.  
- Check batteries are in good condition; replace batteries* if discharged.  
- Check to see if touchscreen harness is fully connected and not pinched. |
| Lock does not respond – door is locked and inaccessible. | - Batteries may be completely discharged.  
- Use mechanical key to gain entry and replace batteries*. |
| Unit is on for a while then shows no reaction. Lights dim. | - Batteries do not have enough power. Replace batteries*. |
| Unit chimes to indicate code acceptance, but the door will not open. | - Check the door gaps for any foreign objects between door and frame.  
- Check that the wire harness is firmly connected to the PCB. |
| Unit operates to allow access, but will not automatically re-lock. | - Check to see if Auto Re-lock Mode is enabled.  
- Disable Auto Re-lock Mode to lock the door (automatically).  
- If low battery indicator is lit (see below), change batteries*. |
| PIN codes will not register. | - PIN codes must consist of 4 to 8 digits to register.  
- The same PIN code cannot be used for multiple users.  
- Registration/management of PIN codes is set by the authority of the Master Code, which is set first.  
- Contact the Master user.  
- User codes must be entered within 5 seconds (while touchscreen is active) or process will have to be restarted.  
- Check✓or gear ○ cannot be used as part of the PIN code. |
| Upon entering a PIN code and pressing ✓ key, the unit displays “invalid code” error or lock times out without responding. | - Lockout Mode is enabled.  
- Only the Master can enable/disable Lockout Mode.  
- Contact the Master user. |
| Upon entering a PIN code and pressing ✓ key, the red padlock icon appears and there are different tones. | - Check to see if the lock is set to Lockout Mode.  
- Setting/managing Lockout Mode is done through Master Code only. Contact the Master user. |
| The unit operates, but it makes no sound. | - Check to see if Silent Mode is enabled (see Feature #4). |
| The unit responds “Low Battery” | - This is the alert to replace the batteries. Replace all four (4) batteries* with new AA Alkaline batteries. |
| Upon entering a PIN code and pressing the ✓ key, the unit responds “Wrong number of digits”. | - The digits entered were incorrect or incomplete. Re-enter the correct code followed by the check ✓ key. |

* When batteries are replaced, Network Module locks have a real time clock that will be set through the User Interface (UI); it is recommended to verify correct date and time particularly those locks operating under Daylight Saving Time (DST).

** Network Module locks only
Hardware Troubleshooting
Cycle lock in both the locked and unlocked positions. If problems are found:

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
</tr>
</thead>
</table>
| Door is binding | a. Check that door and frame are properly aligned and door is free swinging.  
b. Check hinges: They should not be loose or have excessive wear on knuckles. |
| Bolt will not deadlock | a. Check for sufficient clearance of the bolt within the strike-side jamb. Correct this by increasing the depth of the pocket for the bolt.  
b. Check for misalignment of bolt and/or strike which may be preventing bolt from properly entering the strike. With the door open, extend and retract the bolt; if it is smooth, check the strike alignment. |
| Bolt does not extend or retract smoothly | a. Bolt and strike are misaligned, see above.  
b. Check the backset of door relative to adjustments already made to bolt.  
c. Verify proper door preparation and re-bore holes that are too small or misaligned.  
d. Verify keypad wire harness is routed under the bolt (see Fig. A).  
e. Verify bolt is installed with correct side up (Fig. A). |
| Keypad numerics are scrolling | Remove interior escutcheon and check to ensure that the wire harness lies flat against the back recessed area and is properly routed along the side of the escutcheon and tucked under the plastic cable guide. |

Changing Lock: Replacing Cylinder

1. To Remove cylinder:
   A. Remove outside escutcheon from door.  
   B. Remove rubber gasket.  
   C. Insert small flathead screwdriver under spring. Gently lift spring.  
      Note: Notch on top of cylinder engages spring.  
   D. Remove cylinder by pulling outward towards outside of door.  

   Before installing cylinder, be sure tailpiece is correct length (see below).

2. To install new cylinder:
   A. Reverse previous steps for removing cylinder.  

   *Requires addition of Thin Door Kit.

   **Figure A**

   1-3/8" * - 2" thick doors:  
   L = 3-1/2" (88.8mm)

   2" - 2-1/4" thick doors:  
   L = 3-3/4" (95.3mm)

   Tailpiece  
   T = .098" (2.5mm)  
   W = .2" (5.2mm)
FCC:

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.

Warning: Changes or modifications to this device, not expressly approved by Yale Security Inc. could void the user’s authority to operate the equipment.

Industry Canada:
This Class A digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations.
Cet appareillage numérique de la classe A répond à toutes les exigences de l’interférence canadienne causant des règlements d’équipement.
Installing the Z-Wave® Plus Module

**IMPORTANT:** the batteries must be removed prior to removing and/or inserting the network module:
- Remove battery cover and batteries.
- Remove and/or insert Network Module.
- Reinstall batteries and battery cover.

Enrolling/Unenrolling the Network Module:

This device is a security enabled Z-Wave Plus product that is able to use encrypted Z-Wave Plus messages to communicate to other security enabled Z-Wave Plus products. This device must be used in conjunction with a Security Enabled Z-Wave Controller in order to fully utilize all implemented functions. This product can be operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

To Enroll/Add the Module (Inclusion Mode):
- Enter the 4-8 digit Master PIN code followed by the [key].
- Press the [key] followed by the [key].
- Press the [key] followed by the [key].

To Unenroll/Remove the Module (Exclusion Mode):
- Enter the 4-8 digit Master PIN code followed by the [key].
- Press the [key] followed by the [key].
- Press the [key] followed by the [key].

Factory Reset - If No Controller:
- See the Lock Installation Manual
- Please use this procedure only when the network primary controller is missing or otherwise inoperable.

For specific Z-Wave Plus association and parameter information for your lock, please visit YaleResidential.com/ZwavePlus
Warning: Changes or modifications to this device, not expressly approved by Yale Security Inc. could void the user’s authority to operate the equipment.

FCC:
Contain FCC ID: U4A-YRHCPZW0FM
Model: YRMZW2-US
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.

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, including interference that may cause undesired operation.

Industry Canada:
Contain IC: 6982A-YRHCPZW0FM
Model: YRMZW2-US
Section 7.1.2 of RSS-GEN Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Section 7.1.3 of RSS-GEN This Device complies with Industry Canada License-exempt RSS standard(s). Operation is subject to the following two conditions: 1) this device may not cause interference, and 2) this device must accept any interference, including interference that may cause undesired operation of the device.

This radio transmitter 6982A-YRHCPZW0FM has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Industry Canada:
Contain IC: 6982A-YRHCPZW0FM
Model: YRMZW2-US
CAN ICES-3B/NMB-3B

Yale Locks & Hardware
Product Support Tel 800.810.WIRE (9473) • www.yalelocks.com
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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.