

PANEL SECRET DOOR KIT Installation & Service Manual

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Section 1. Introduction

This guide aims to provide clear, step-by-step instructions for installing your new secret door. For assistance with any issues or questions during installation, please contact our support team. We're committed to ensuring your successful installation.

Reading this guide completely before you start is critical. Each task or step builds on the previous one in a specific sequence. Skipping sections or performing steps out of sequence may cause problems that are difficult to correct later. Please take the time to understand all instructions before beginning the installation process

Section 2. Required Tools

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- Laser level
 - Drill
 - Impact Driver
 - #2 Phillips Bit
 - T25 Torx Bit
 - Wood or composite shims
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Section 3. Pre-installation Tasks

3.1: Open the crate and inspect the door.

1. Open the crate if you haven't done so already.
 - Remove all screws that hold the lid in place using a T25 bit.
 - Remove any foam or blocking surrounding the door.
 - Do not discard any crating materials until the door is fully installed and functional.
2. Inspect the contents.
 - Look for damage to crate or obvious damage to the door.
 - Do not remove the shrink-wrap (It will assist with moving the door later).
3. Next steps.
 - If no damage is found: Continue installation.
 - If damage is found: Pause installation and contact our support team immediately.

Secret doors require more precise openings than regular doors. Your door was fully installed and tested in a fixture that mimics your installation environment before shipping. This pre-testing ensures the door will function perfectly in your space, but only if your wall opening meets our specifications. It is essential to address any wall opening issues before proceeding with installation, as failing to do so may cause problems with door concealment or operation.

3.2: Verify the wall opening is sized correctly.

1. Check your opening size against the measurements on your order form (included in the crate along with this packet).
2. The width and height of your prepared opening should not differ by more than 1/4" from the ordered size at any point along the width or height. Measure in multiple locations.
3. Openings wider than ordered may require additional shimming, gap filling, and finish trim work.

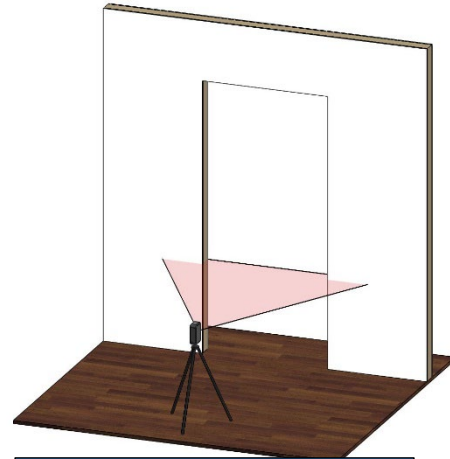
3.3: Verify the wall opening is plumb and level.

1. Set up your laser level

- Place it on a stable surface at least 2 feet tall.
- Position it 5-6 feet away from the opening.
- Turn it on and let it self-level.

2. Check if the opening is level

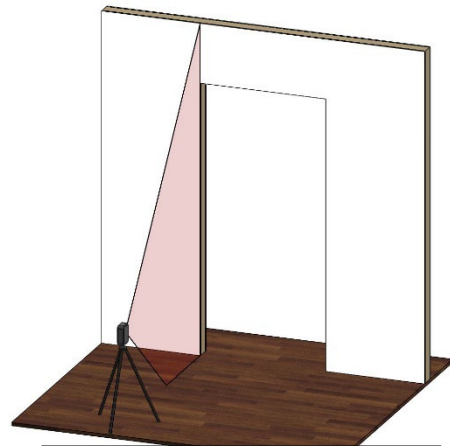
- Project the horizontal laser line across the opening.
- Place a measuring tape vertically between the laser line and the floor.
- Measure at the left side and right side of the opening.
- The distance should be the same for both sides.
- Maximum allowable deviation is 1/8".
- If the floor is not level you will need to shim under the door frame during installation to compensate.



Laser position for checking horizontal

3. Check if the opening is plumb left to right

- Project the vertical laser line along each side of the opening.
- Measure the gap between the laser line and the edge of the opening.
- The distance should be the same from top to bottom.
- Maximum allowable deviation is 1/4".



*Laser position for checking vertical.
Check both sides of the opening.*

4. Check all corners

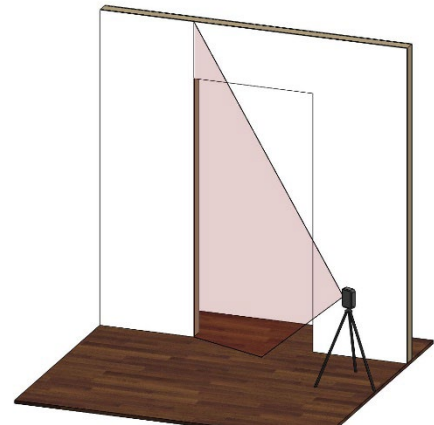
- A perfectly square opening will have 90° corners.

- If the corner angles are not close to 90 degrees, repeat the earlier measurement steps to find the problem.

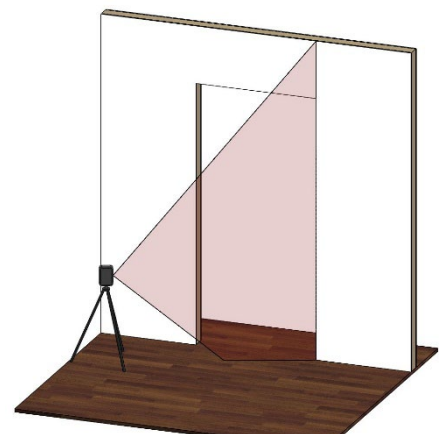
Secret doors must be installed on a flat wall surface. If your wall or opening isn't flat, gaps will be visible between the door face and wall. The door cannot be twisted to match a warped wall or have trim applied to conceal the issue. Fix any uneven areas before continuing installation.

3.4: Verify the wall around the opening is flat.

1. Check if the opening is plumb front to back on left side.
 - Aim the laser at the left side of the rough opening.
 - The laser should be oriented so that the beam is at an acute angle to the wall.
2. Compare left side of opening to laser line.
 - Determine if the wall is perfectly vertical, leaning forward, or leaning back.
 - The opening should be plumb to within 1/4". Write this number down.
 - Note any bellies or humps. Mark them with painter's tape.
3. Check if the opening is plumb front to back on right side.
 - Aim the laser at the right side of the rough opening.
 - The laser should be oriented so that the beam is at an acute angle to the wall.
4. Compare right side of opening to laser line.
 - Determine if the wall is perfectly vertical, leaning forward, or leaning back.
 - The opening should be plumb to within 1/4". Write this number down.
 - Note any bellies or humps. Mark them with painter's tape.



Checking left side of opening front to back



Checking right side of opening front to back

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5. Compare the measurements taken in steps 2 and 4.
 - If both sides of the opening are perfectly vertical or lean in the same direction and the same amount proceed to the next step.
 - If the two sides do not lean in the same direction by more than 1/8" difference in the two measurements, the wall around the opening is not flat.
 - If not flat, the opening will need to be adjusted through drywall work or adjusting the framing.

 6. Correct any humps or bellies
 - If you marked humps or bellies in previous steps, they should be corrected.
 - Proceeding without fixing humps or bellies in the wall will cause gaps between the door and wall that will negatively impact the concealment.

3.5: Verify Wall Outlet Availability and Location

Your door needs a standard 110V AC outlet inside the secret room to power the magnetic lock and any wireless switches you may have chosen when ordering. Install the outlet on the interior wall of the secret room, within 8 feet of the center point at the top of the doorway. Contact our service department if you need a longer power connection.

Section 4. Moving the Door

Our doors are pre-hung meaning you will need to move the complete unit to the installation location. To make this process easier we recommend the following:

4.1: Plan the best route

1. Consider additional space required to turn corners.
2. Consider space needed for people or carts.
3. If you decide to use carts or furniture dollies make sure you have adequate flooring protection.
4. Four people are required to move most doors.

4.2: General moving guidelines

1. Do not unwrap the door. The shrink wrap helps keep the door shut.
2. The door should be carried lying flat with the door face facing up.
3. If moving the door on carts the door should be standing upright. Never lay the door on its sides or top.

4.3: Positioning for installation

1. Lay the door face down a few feet in front of the opening.
 2. Carefully remove the shrink wrap. Take care when using a knife as it may cut beyond the wrap and into the woodwork.
 3. Remove the temporary threshold at the bottom of the door.
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Section 5. Mounting the Door

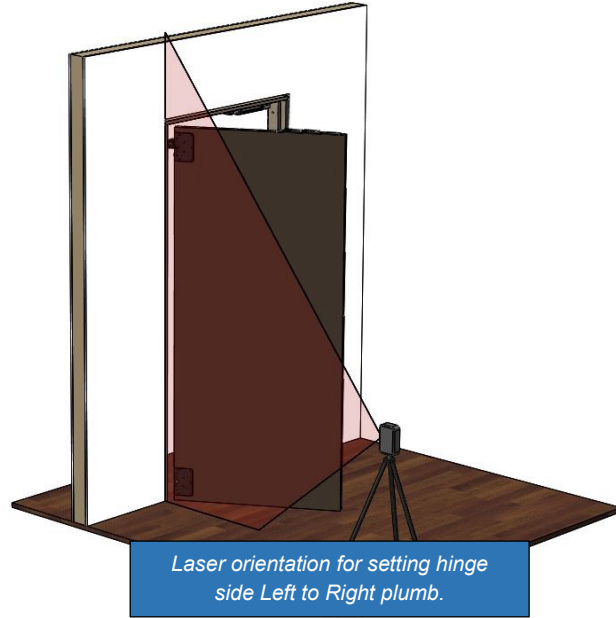
Having someone stay inside the secret room during installation is recommended. This person can open the door from inside if it accidentally closes and locks before installation is complete.

5.1: Moving door into wall opening

1. Protect flooring if necessary.
2. Ensure the power supply/cables on top of the door pass through the opening ahead of the door body without getting caught or snagged.
3. Move frame into opening
 - Push the door into the opening until the jamb frame is completely in the wall.
4. Open the door by hand
 - Carefully open the door by hand, supporting it as it rotates.
 - Do not let the door rub on the floor of the frame.
 - After opening the door, place suitable spacers or shims beneath it to prevent the door and frame from tilting forward or backward.

5.2: Setting the Hinge Side of the Frame Plumb

1. Set up the laser level
 - Place it on a stable surface.
 - Position it 5-6 feet from the door frame.
 - Turn it on and let it self-level.
2. Project the vertical laser line
 - Aim the laser at the hinge side of the door frame.
 - Make sure the line covers the full height of the frame.
 - The laser should be roughly square to the wall.
3. Check the alignment left to right
 - Look at the gap between the laser line and frame in the left/right direction
 - The gap must be the same from top to bottom
4. Adjust the frame
 - If the gap varies, move the hinge side of the frame left/right using shims
 - Move the frame until it aligns with the laser line.
 - Ideally, the door should be centered in the rough opening. Biasing the door complete in one direction or another could cause the casings not to cover the edge of the rough opening depending on your wall conditions.
 - Place shims directly behind the pre-drilled mounting holes in the frame whenever possible.
5. Verify plumbness in left to right direction
 - Recheck the gap between laser line and frame.
 - Confirm it remains consistent from top to bottom.

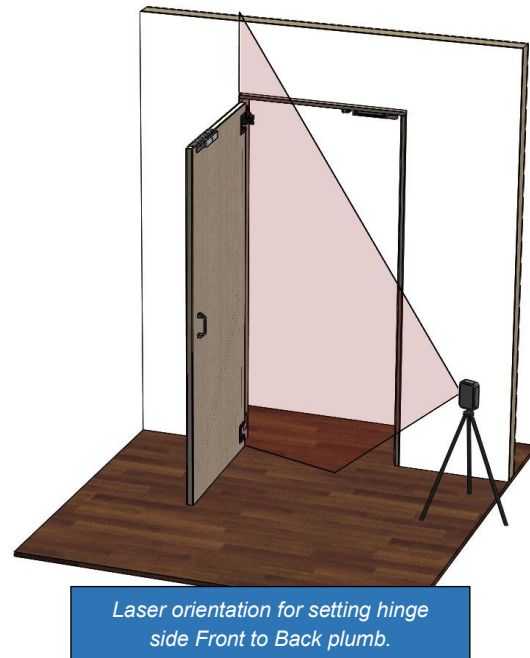


6. Reorient laser to check front to back plumbness

- Move the laser so that its shining on the frame from the side.
- The laser should be oriented so that the beam is at an acute angle to the wall.

7. Check the alignment front to back

- Look at the gap between the laser line and frame in the front/back direction.
- The gap must be the same from top to bottom.
- The wall surface and door frame should be flush with each other.



8. Adjust the frame

- If the gap varies, move the hinge side of the frame front to back.
- Move the frame until it aligns with the laser line.
- Prioritize keeping the frame as flush against the wall as possible.

9. Secure the frame

- Once plumb, secure the hinge side of the frame.
- Use included 3" wood screws through pre-drilled holes.
- Use just the top and bottom holes initially. The remaining screws should be used after the frame is completely secured at all four corners.
- Do not fully tighten until the entire frame is square.

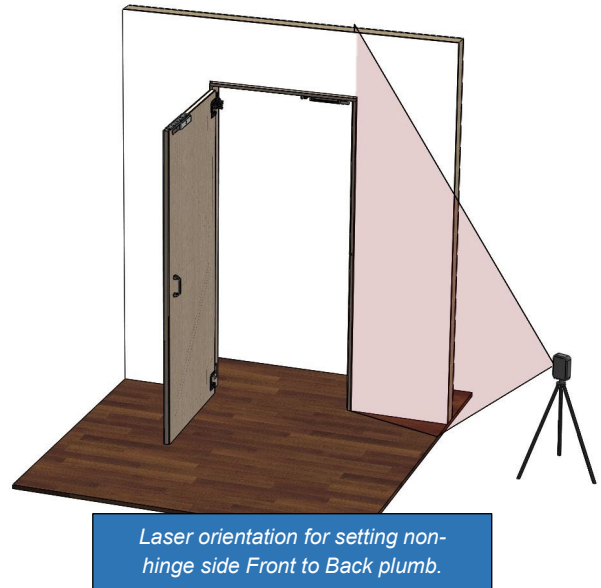
5.3: Setting the Non-Hinge Side of the Frame Plumb

1. Move laser level to non-hinge side

- Place it on a stable surface.
- Position it 5-6 feet from the door frame.
- Turn it on and let it self-level.

2. Project the vertical laser line

- Move the laser so that its shining on the non-hinge side of frame from the side
- The laser should be oriented so that the beam is at an acute angle to the wall.
- Make sure the line covers the full height of the frame.



3. Check the front to back

- Look at the gap between the laser line and frame in the front/back direction.
- The gap must be the same from top to bottom.
- The wall surface and door frame should be flush with each other.

4. Adjust the frame

- If the gap varies, move the non-hinge side of the frame front to back.
- Move the frame until it aligns with the laser line.
- Prioritize keeping the frame as flush against the wall as possible.

5. Verify plumbness in front to back direction

- Recheck the gap between laser line and frame.
- Confirm it remains consistent from top to bottom.

6. Secure the frame

- Once plumb, secure the non-hinge side of the frame.
- Use included 3" wood screws through pre-drilled holes.

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- Use just the top and bottom holes initially. The remaining screws should be used after the frame is completely secured at all four corners.
 - Do not fully tighten until the entire frame is square.
-

Section 6. Powering the door

Keep the door open until the next section instructs you to close it.

6.1: Mounting the control box

1. Route control cable and mount control box
 - Uncoil the control cable from the top of the door.
 - Run control cable to desired control box location.
 - Ensure both the power adapter and control cable can reach the control box.
 - Mount control box using fasteners appropriate for your wall.
 2. Apply power
 - Plug the AC adapter into your wall outlet.
 - Check that the blue power indicator light on the adapter is illuminated.
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Section 7. Initial Testing

Included with your door is a magnetic key. It will be needed during this initial testing steps. A person should remain inside the secret room during this section.

1. Test door motion
 - Slowly and carefully move the door towards its closed position.
 - Check for rubbing or hanging across the floor.
 - If rubbing is observed, check plumb and level as described in previous steps.
 - If door is plumb and level and rubbing is still observed, contact our service line. The system is fully adjustable but should only be done with case-by-case direction from our support team.
2. Testing the lock
 - Shut the door.
 - Locate the colored sticker on the face of the jamb frame. This is the location of the magnetic sensor.
 - Pass the magnetic key over the sensor.
 - The magnetic lock will release and the door will pop open slightly.
3. Test wireless switches.
 - Shut the door
 - Your switches come pre-paired from the factory.
 - Test wireless switches as follows:

Key Fob: Pressing the button unlocks the door.

Tilt Sensor: (with or without book): Tilting the sensor or book 45 degrees or more unlocks the door

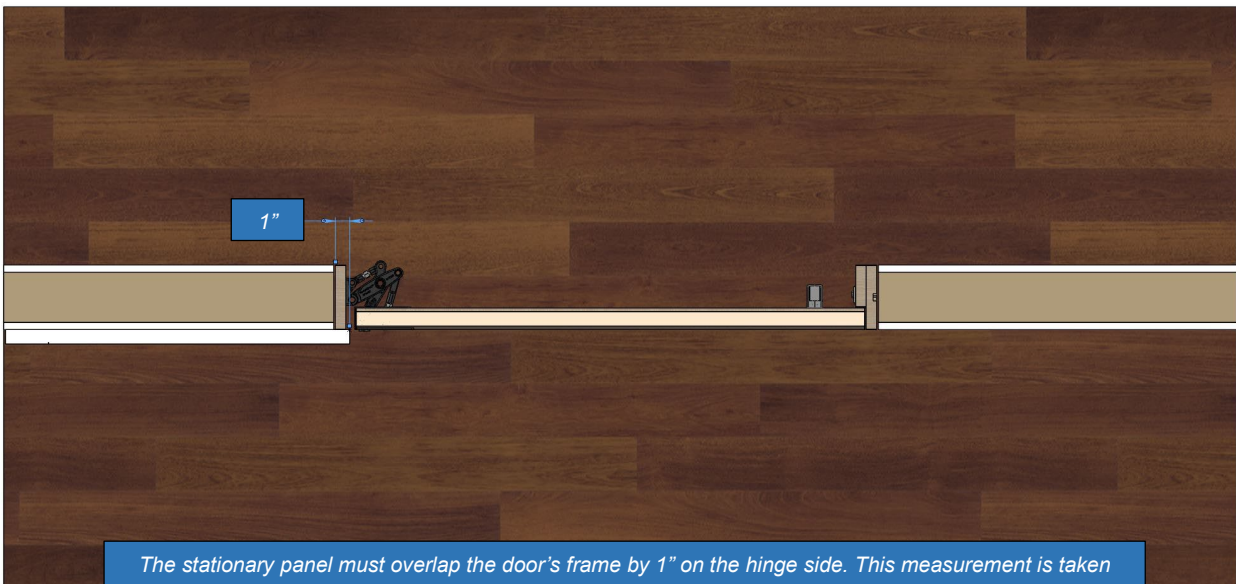
Keypad: Entering the default code of 2468* unlocks the door. Instructions for changing the default code can be found in the Appendix under *Wireless Products*.

Section 8. Panel Details

This product enables you to attach your chosen paneling or fascia without the difficulty of complicated millwork cuts. The special hinges and overlay capabilities of the door mean that the panels can be laid side to side with simple butt joints. The following guidelines must be adhered to in order for the door to work properly.

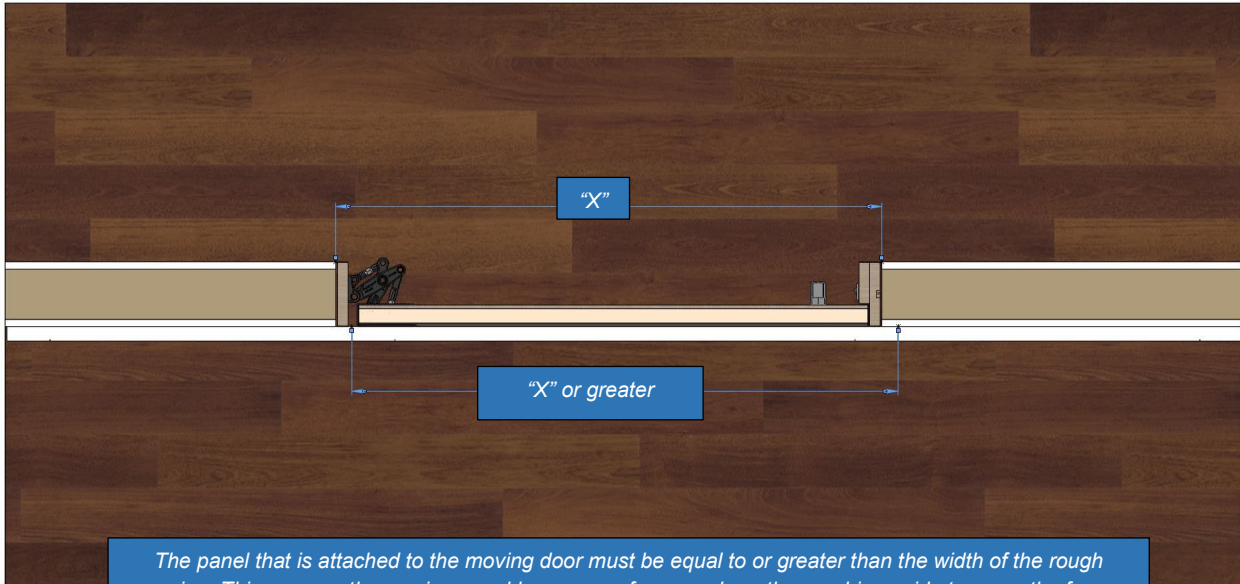
1. Your paneling must not exceed 1" in thickness
2. The floor in front of the door must not have any humps that would collide with the underside of your fascia at any point in the door's swing.
3. Your paneling must use the following layout constraints (shown as a top down section view. Left hinge door shown. Right hinged doors would a mirror image of what you see below).

A) Offset between outside of door frame on the hinge side and edge of stationary panel.



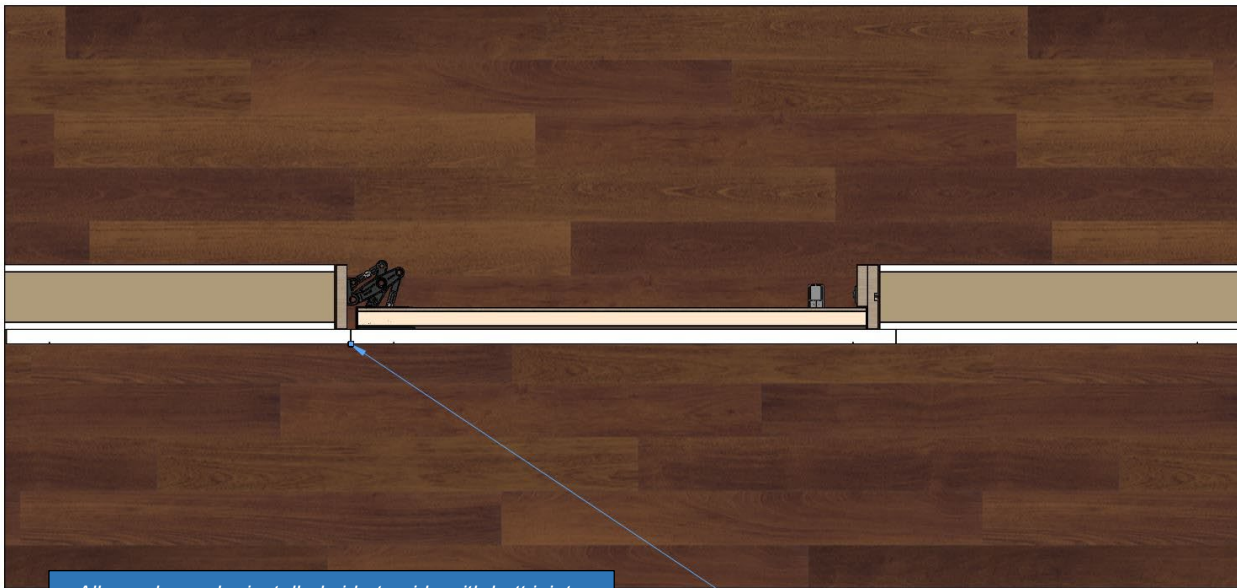
The stationary panel must overlap the door's frame by 1" on the hinge side. This measurement is taken from the outside of the frame. Make sure this measurement is from the door frame itself and not the rough opening framing.

B) Relationship between RO width and moving panel width.



The panel that is attached to the moving door must be equal to or greater than the width of the rough opening. This ensures the moving panel hangs over far enough on the non-hinge side to cover the frame, any shim gap, and overlap the wall face by a small amount.

C) Joint Details.



All panels can be installed side-to-side with butt joints. Bevel joints are not required.

[Butt Joints Between Panels](#)

Section 9. Maintenance

Your secret door requires minimal maintenance. However, the following items should be checked at the noted intervals to ensure a long and trouble-free operation.

Maintenance Task	Frequency
Open and close the door by hand while listening for unusual noises (squeaks, groans, etc.).	Every 6 months
Open and close the door by hand while feeling for points of high friction or sticking during motion.	Every 6 months
Check clearance between the moving door and the surrounding stationary trims and frame.	Every 6 months
Verify all wireless secret switches work as expected.	Every 6 months
For doors with wireless switches: Replace all wireless switch batteries. Specific instructions on how to change batteries can be found in the Appendix under <i>“Wireless Products”</i> .	Every 36 months

Appendix

A.) Wireless Products

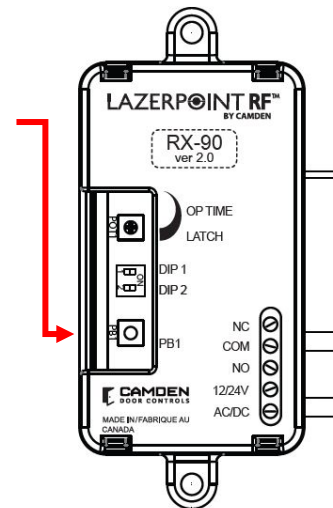
Your door shipped with all wireless switches pre-paired. In the event that you need to pair a device again, or add a new device, the following information will guide you.

Additionally, details on replacing batteries and changing the default key code on wireless keypads can be found in this section.

A.1: Control Box

1. Pairing devices.

- To put the receiver in pairing mode, remove the 4 Phillips head screws holding the cover of the control box in place.
- Identify the receiver module by its clear plastic housing.
- Press the PB1 button on the receiver using a small blunt object such as a small blade screwdriver or similar.
- Within 10 seconds, activate the switch you want to pair.
- The green LED will flash once to confirm pairing.
- Repeat with any additional switches you want to pair.
- Active a paired switch again to signal that programming is done.
- Activate the switch one final time to test the pairing. The door will unlock if successful.
- Replace the control box cover.



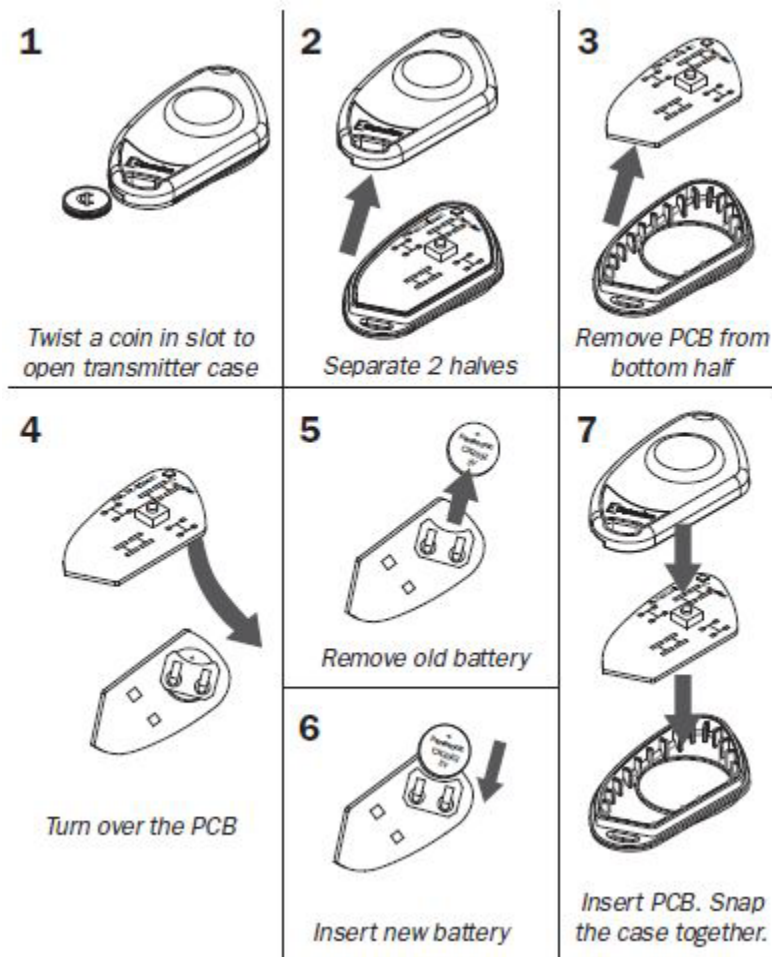
A.2: Wireless Key Fob

1. Testing battery level.

- Test the battery strength by pressing and holding the button for approximately 5 seconds.

- The LED should flash RED 5 times, meaning the battery is at full capacity.
- If the LED flashes RED only 1 - 2 times, you should change the battery for a fresh (new) one.

2. Replacing the CR-2032 Lithium battery.



A.3: Tilt Switch

1. Replacing the 2 x AAA batteries.

- Remove the switch from its host (book, artwork, etc.).
- Unscrew the 4 #1 Phillips head screws holding the cover in place.
- Locate the battery holder,
- Gently pull the holder from the plastic housing.
- Replace the 2 x AAA batteries.

- Tuck any extra wire length into the housing that would prevent the cover from closing.
- Replace the cover and make sure the round stud on the back of the cover aligns with the recess in the body housing.
- Replace the 4 screws and put the switch back in its host.

A.4: Keypad

1. Replacing the 2 x AA batteries.

- Remove the keypad from its host (book, artwork, etc.).
- Flip the keypad housing over.
- Locate the battery holder.
- Gently pull the holder from the plastic housing.
- Replace the batteries.
- Place the battery holder back in the housing.
- Put the keypad back in its host.

2. Changing the default code.

- Press *1 (Both keys at the same time).
- Press 1 2 3 4 * (One key at a time).
- Press *2 (Both keys at the same time).
- Press 2 # (One key at a time).
- Enter new 4 digit code followed by *.
- Enter new 4 digit code followed by * again.
- Press *
- Press #
- Press *
- Test your new code by entering the 4 digit code followed by *.