Lynx Touch – L5100 Technical Training
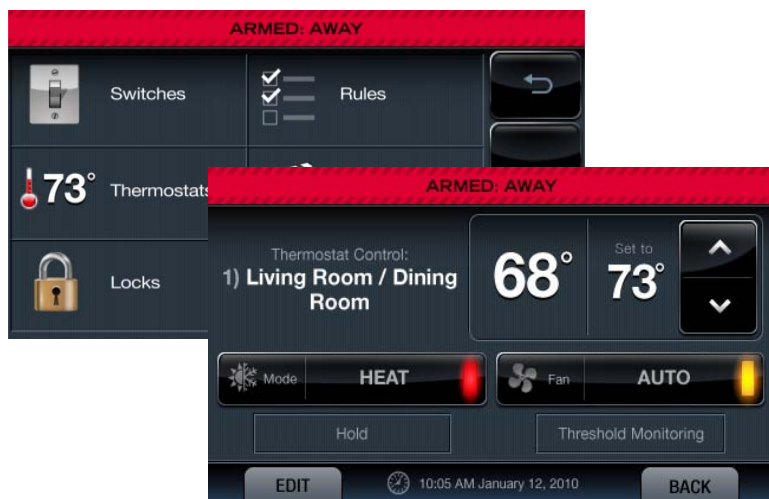
Z-Wave Setup

Honeywell

# L5100-Z-wave – Combines Home Automation and Security

Honeywell

- Controls up to:
  - 40 Devices (Lights, switches and lamp modules)
  - 3 Thermostats
  - 4 Door Locks

- Rules and Scenes
  - 20 Rules (Event Based Actions)
  - 20 Schedules (Time Based Actions)
  - 20 Scenes (Pre-defined set of actions)

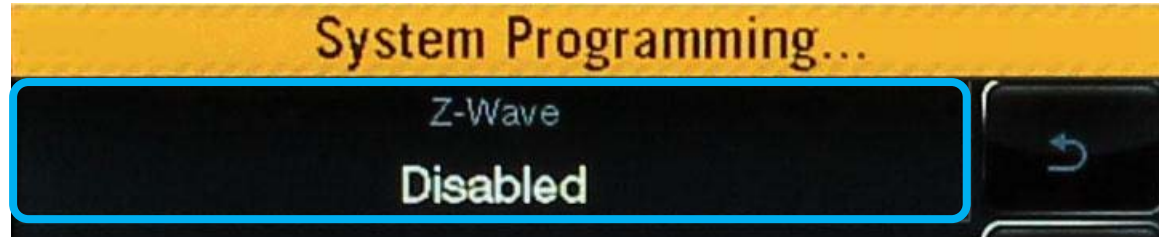- Remote Control using Total Connect 2.1

Z-Wave Setup

- First, Enable the Z-Wave Module
  - Enable the L5100 for Z-Wave **Before** Installing the Z-Wave Module.
  - Enter Installer Programming and Touch the Page Down Arrow.
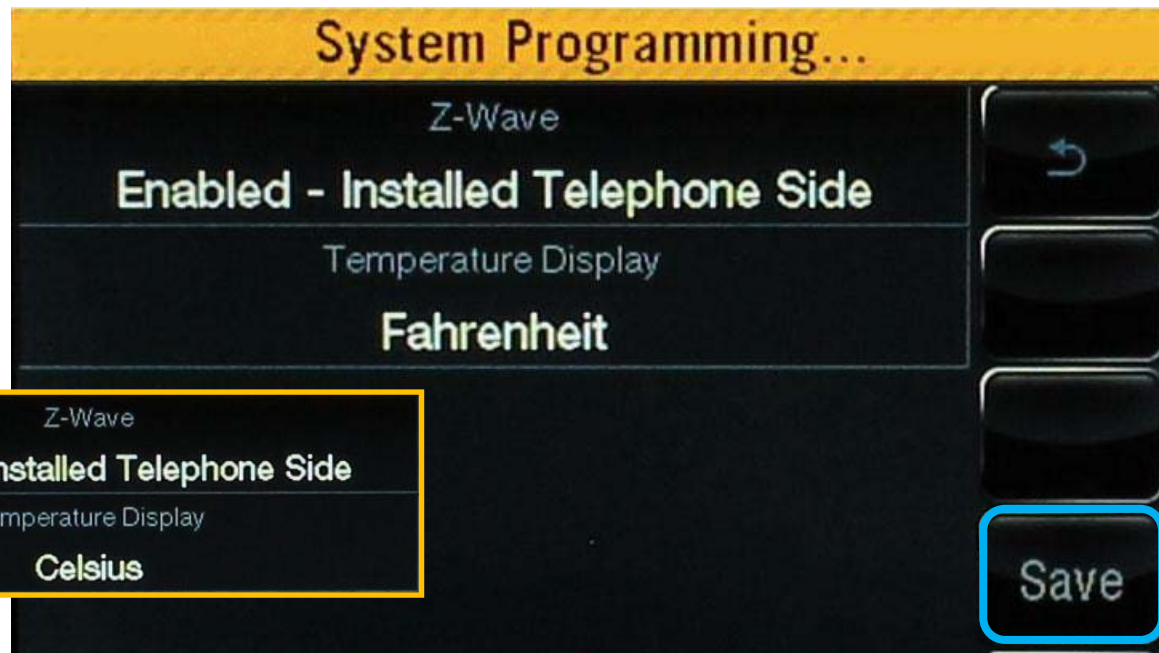- From this Screen, Touch "Z-Wave".

File Number
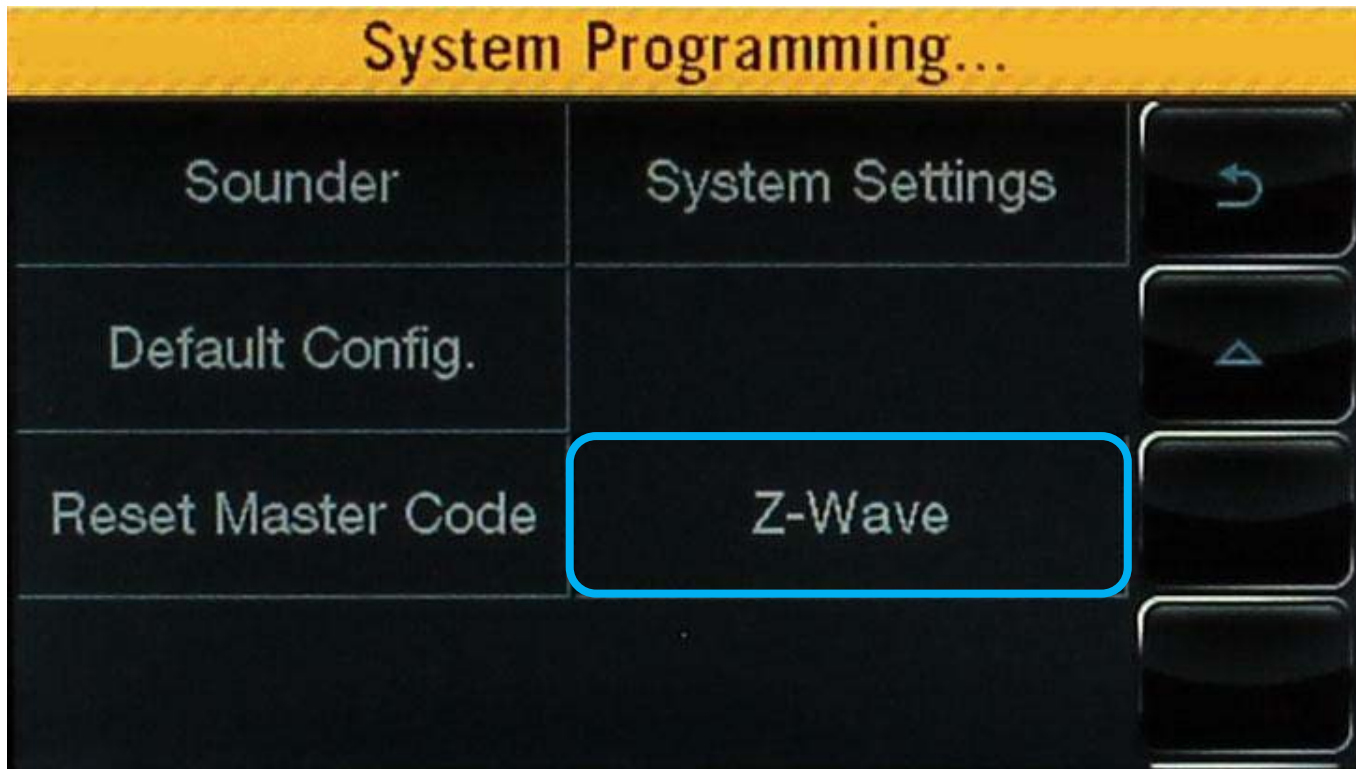
# Z-Wave Setup

- Next, Touch "Z-Wave" and Toggle it to "Enabled…"

- Touch "Temperature Display" to Toggle Celsius, if Needed.
- Touch Save After Making Changes

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Z-Wave Setup

- Z-Wave Module is Installed Telephone Side
  - Power System Down Before Installation and after Enabling in Programming

L5100-ZWAVE

RECEPTACLE

EDGE CONNECTOR

LYNX TOUCH

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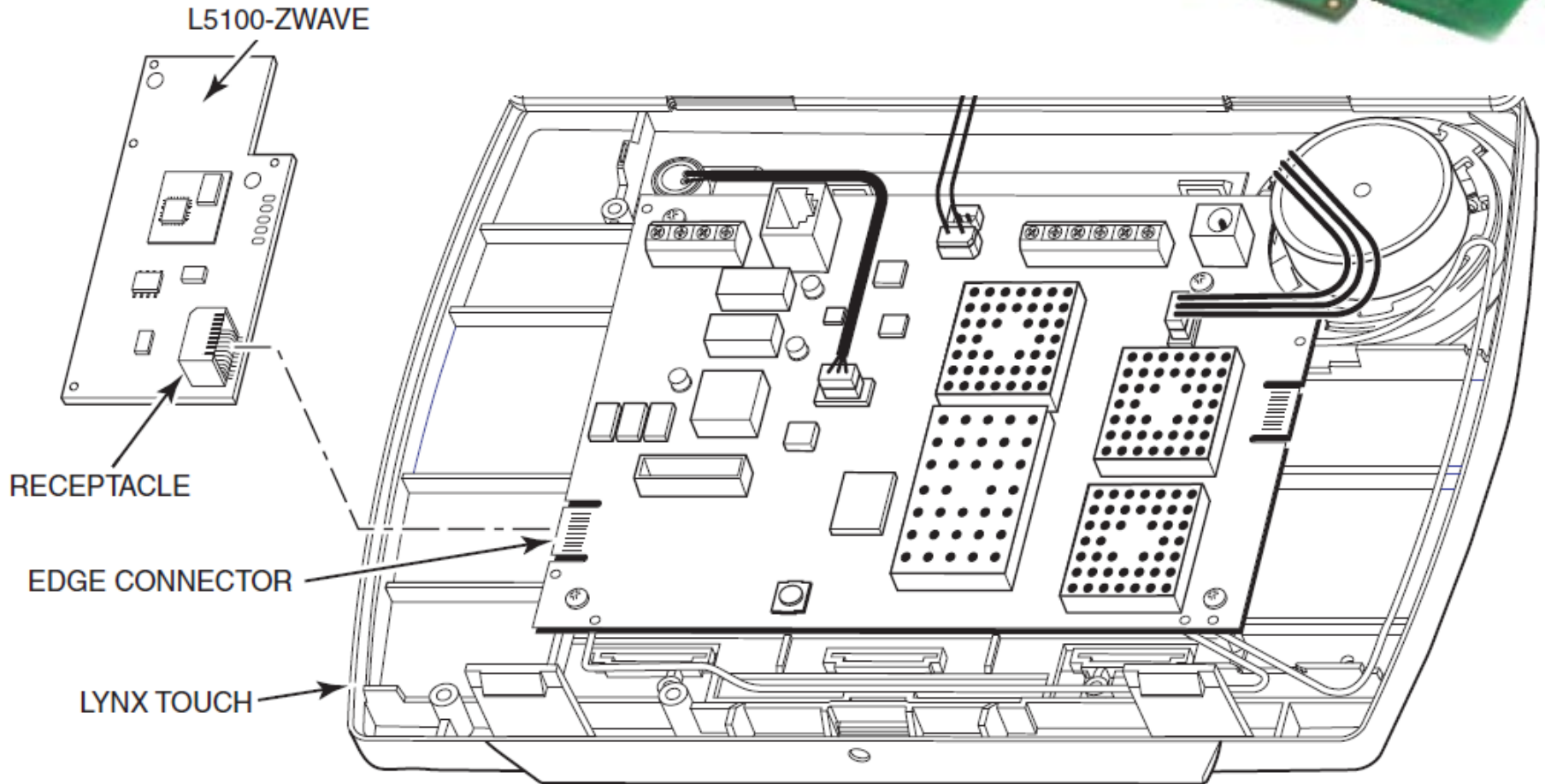
Lynx Touch – L5100 Technical Training

Including Devices

Honeywell

Including Devices

- To Include Devices Touch the Automation Icon.

- Next Touch "Tools", and followed by, "Include Devices".

Note: Install Switch and Thermostats in Final Location Before Inclusion.

Including Devices

- The L5100 will Enter Inclusion Mode and Prompt You When Ready to Include Devices.
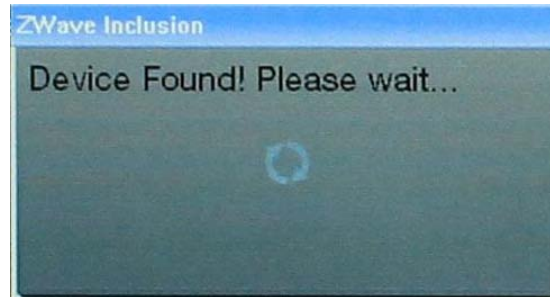

- Toggle the Device On/Off or Press the Device's Function Button to Enroll.

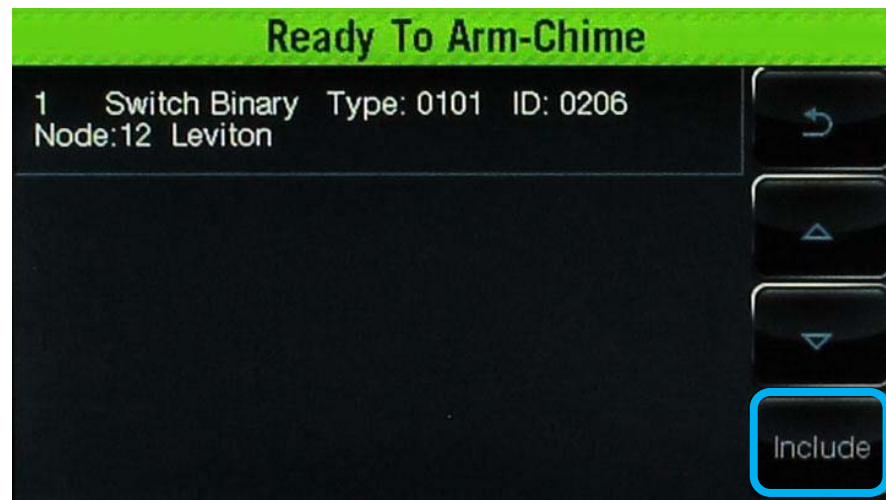HONEYWELL - CONFIDENTIAL

File Number

Including Devices

- The L5100 will Include the Device into its Network.

- After Included, the Device Type, Manufacture and Node ID will be displayed.

- To Include More Devices, Touch "Include."

- When Finished, Touch the Back Arrow.

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Including a Switching Module

- Make Sure the Switch/Module Indicator LED is Illuminated

- Press, and Release, the Switch/Module Button to Include.

- The Indicator LED will Flash Amber During the Inclusion Process

ON/OFF Enroll Button
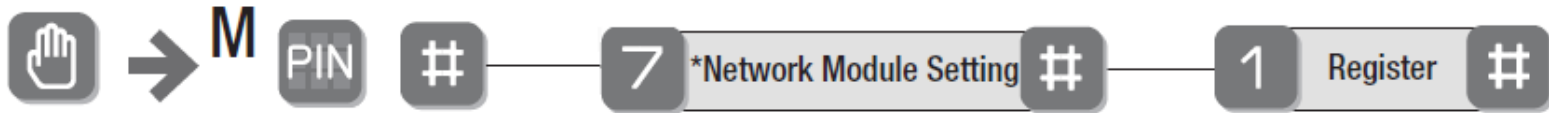
ON/OFF Enroll Button

Including Devices

Including a Yale Lock

- Activate the Yale Touch Screen by Palming the Keypad with Your Hand

- Next, Follow the Steps below, Starting with the Master PIN

- Default Master PIN is "12345678"

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Including Devices

Including a Kwikset Lock

- Remove the Back Cover, then Press and Release the "A" Button

Including Devices

Enrolling Schlage Locks

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Enrolling a Schlage Lock

- The program code can be found on top of document number 1 of the LiNK Installation Instructions.

- It can also be found on the back of the lock

Prog Code XXXXXX (FCC ID: P2GXXXXX)
User Code A XXXX   XXXXX
User Code B XXXX   SN XXXXXXXXX

Press

_____ _____ _____ _____ _____ _____

(Six-digit lock programming code)

Wait For

SCHLAGE

3 Lights + 3 Beeps

Press

SCHLAGE then 0

On Lock

Observe

SCHLAGE

Blinking

Observe

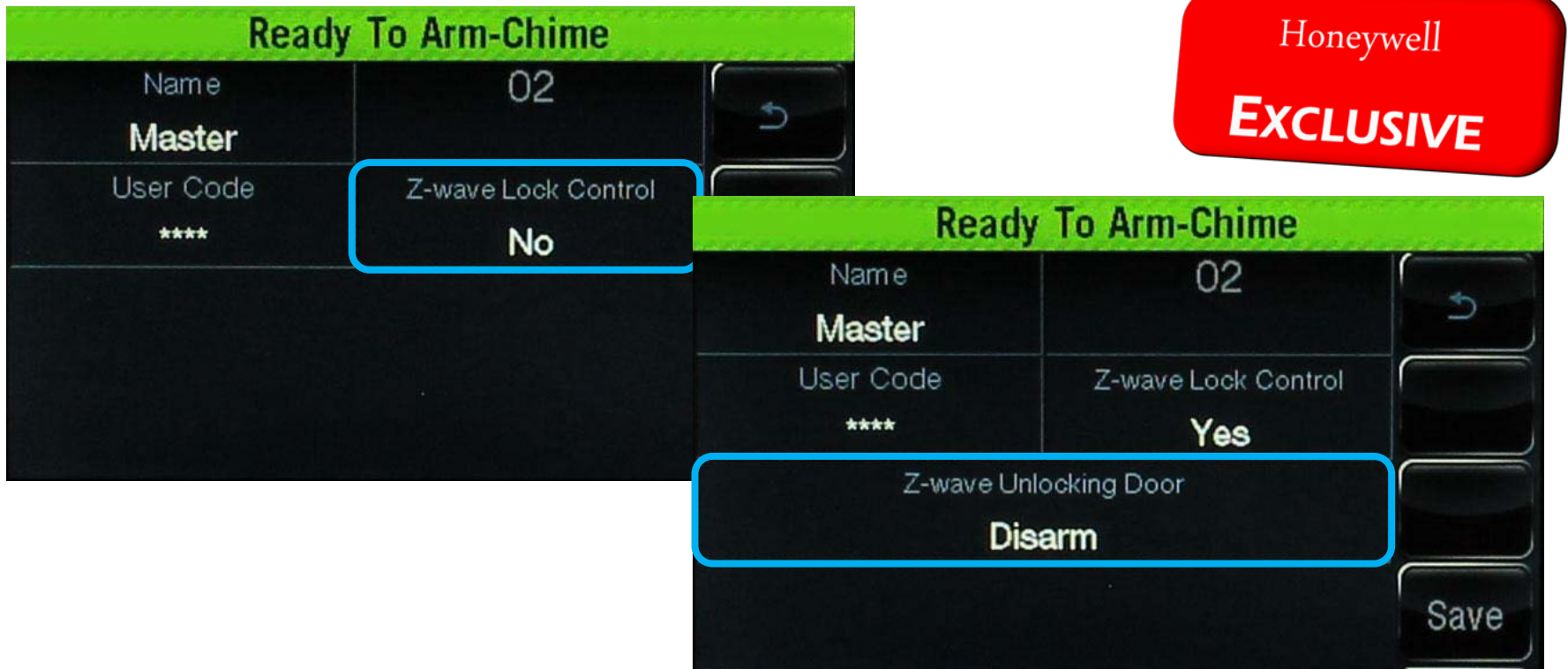SCHLAGE

Blinking*

On Lock

Success!
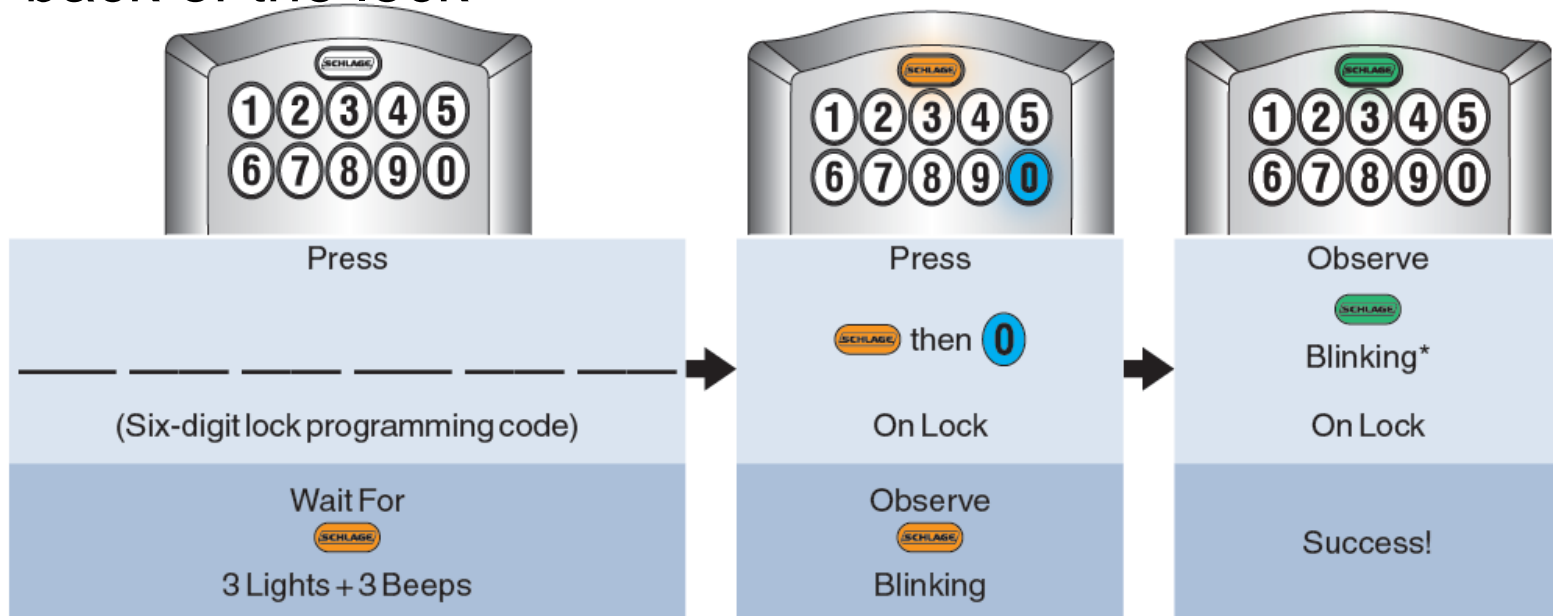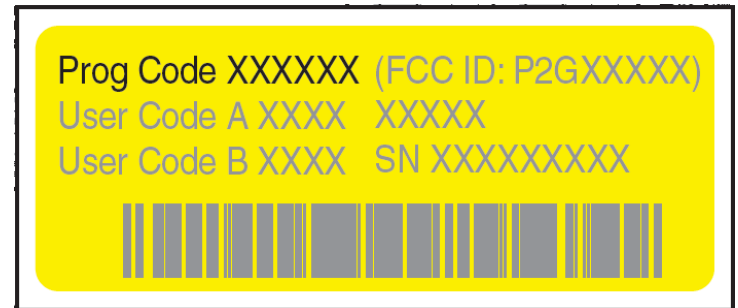
Including Devices

User Codes & Z-Wave Locks

- Lynx Touch Can Push User Codes to Z-Wave Locks
- Unlocking Door with Code Can Unlock or Also Disarm

Note: During Inclusion, Each Programmed User Code Will Take 4 Seconds to Transfer to the Z-Wave Lock.
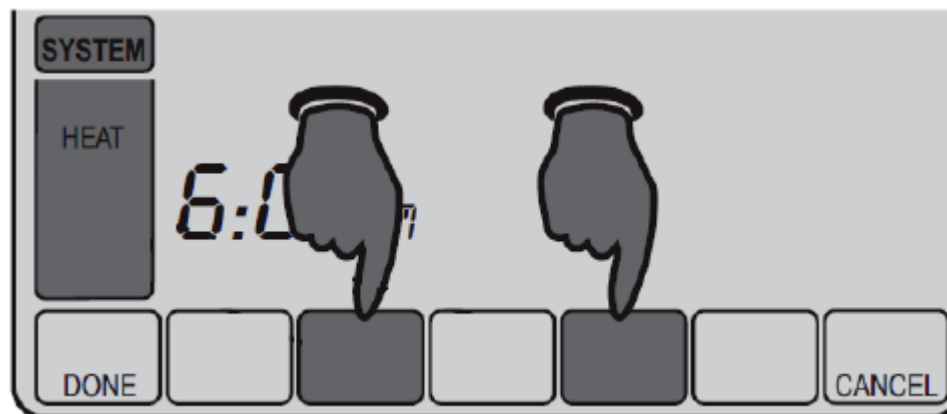
File Number

Including Devices

Including a ZWSTAT

- At the ZWSTAT, Enter the Program Mode
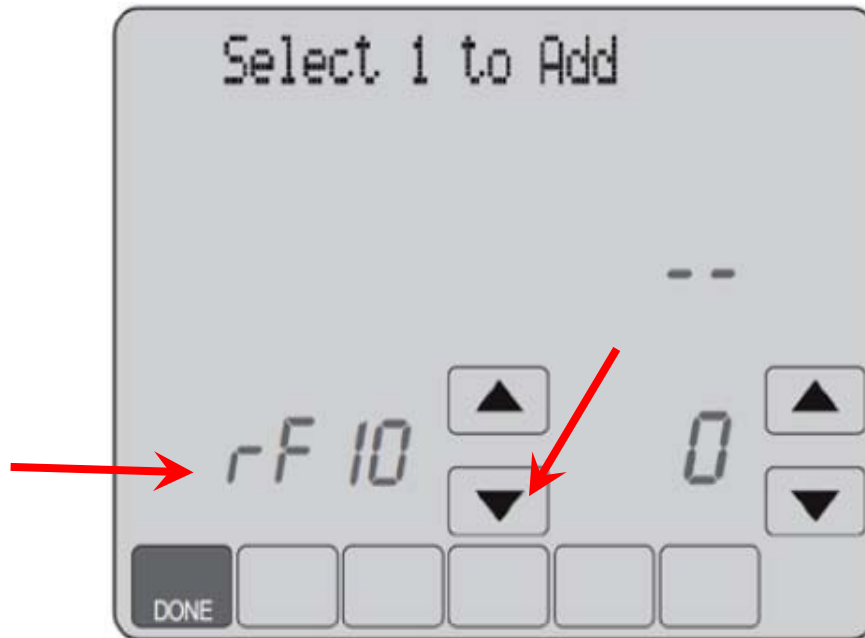
1. Press SYSTEM

2. Press, and Hold the 3rd and 5th Buttons Simultaneously

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Including Devices

Including a ZWSTAT

- Press the Down Arrow Until the Following Screen is Displayed:

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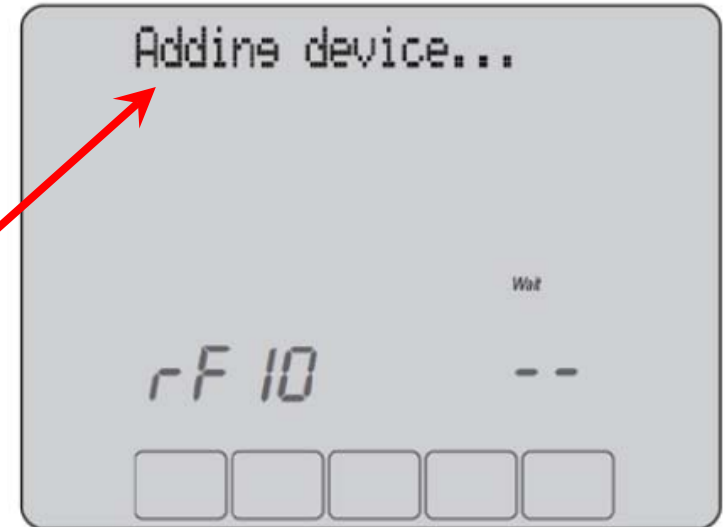
Including Devices

Including A Thermostat

- Press the Up Arrow to Change the Option to a "1"
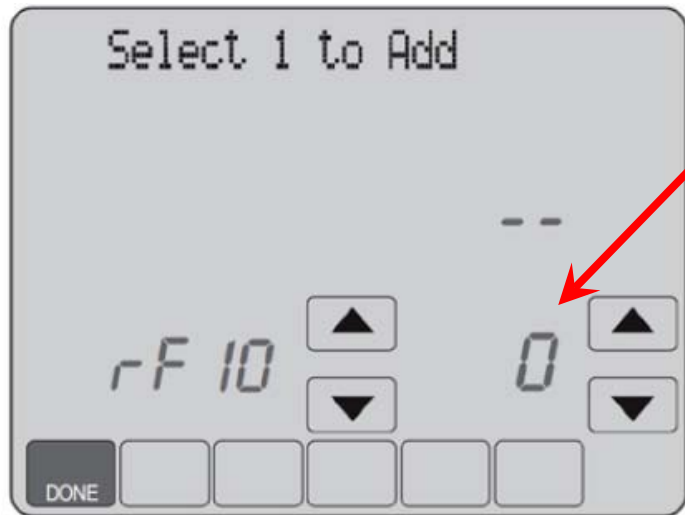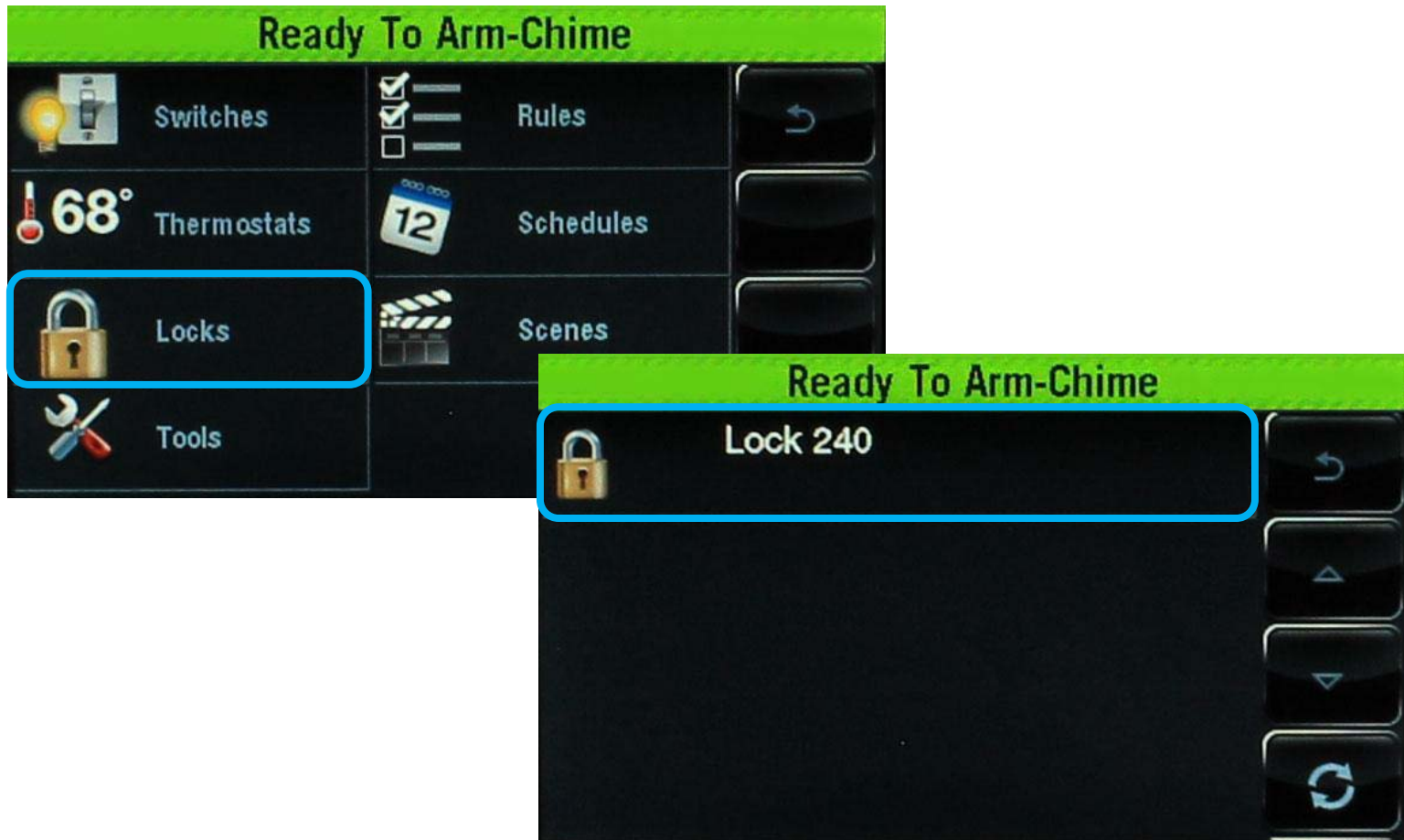

Change This Value to a "1"

This Will Be Displayed

- Press DONE on the ZWSTAT to Exit Programming

File Number

Including Devices

- Each Device May be Renamed by Selecting the Device, Found within its Category.

Including Devices

- Touch "Edit" to Edit the Name.

- Use the Keyboard to Enter a New Name for this Lock.

- Touch "Done" when Complete

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Including Devices

- The New Name will Appear on the Device Control Screen and on the Selection List.

- Touch "Back" to Return to the Selection List.

- To Return to the Automation Screen, Touch the Back Arrow "↺".

File Number

Including Devices

- Each Selection List Has a Refresh Status Button

- Refresh Status will Poll Each Device for its Current Status.
  - Supports real time status

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File Number
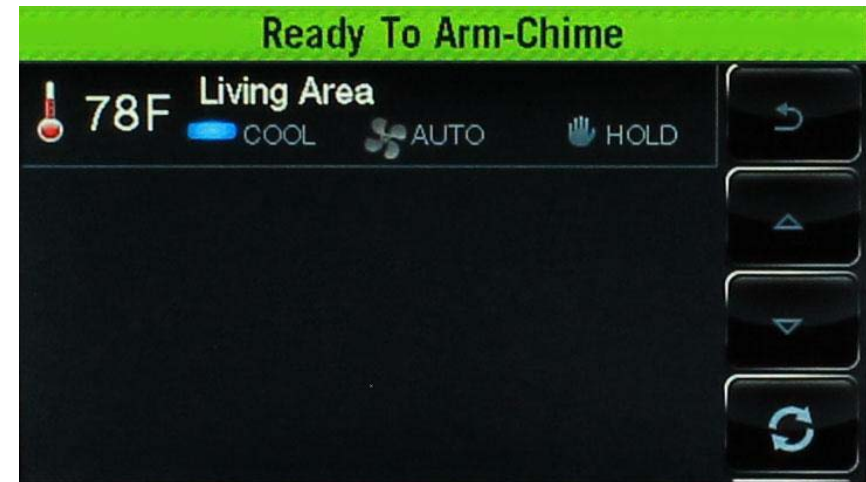
Including Devices

- Devices Can Only be Included Within Direct Range.

- Inclusion Ranges
  - Switches & Thermostats – Full Power at MAX Range
  - Locks – Low Power at 6 Feet Max Range
    - Does not apply to the latest firmware of the Yale locks

- Include Z-Wave Locks First, at the L5100.

= Low Power Inclusion Device

Direct Range
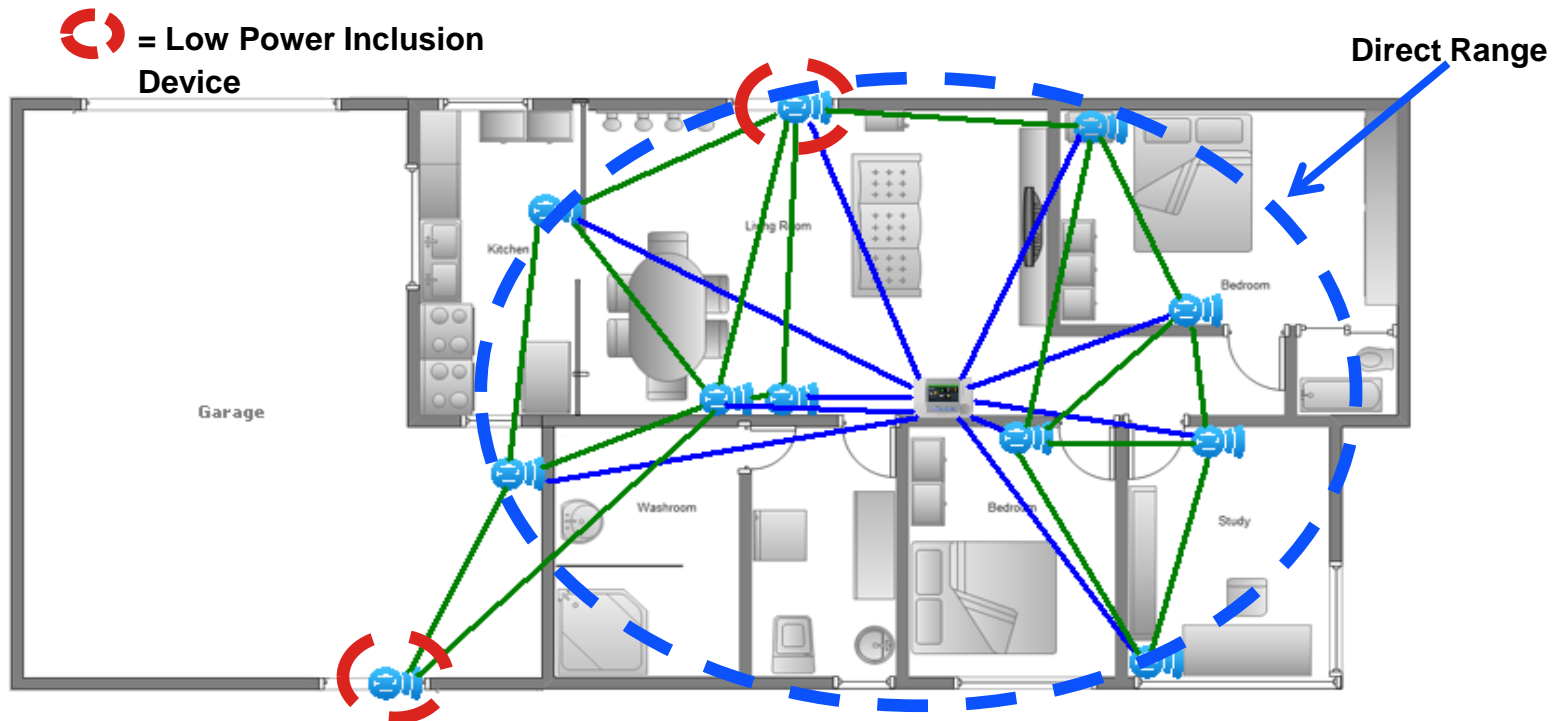
Including Devices

- Z-Wave Programming Tools Assist with Large Installations
- USB Program Tool Allows for Z-Wave Device Map Backup
  - Excluding Locks

Setup Steps

- Include All Switches and Thermostats Using Program Tool.
  - If Using the USB Program Tool, Save Device Map When Complete.
- Shift L5100 to Secondary Controller. (Advanced Tools)
- Enroll L5100 into Program Tool as Secondary Controller.
- L5100 Imports Z-Wave Device Map.

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File Number

Including Devices

- Transfer Primary Control from Program Tool
  - Shifts Primary Control to L5100
- L5100 Queries All Devices For Node Information and Updates Node Map (Network Rediscovery)
- Take L5100 to Z-Wave Locks to Enroll
  - Can be Accomplished Running on Battery Only

File Number
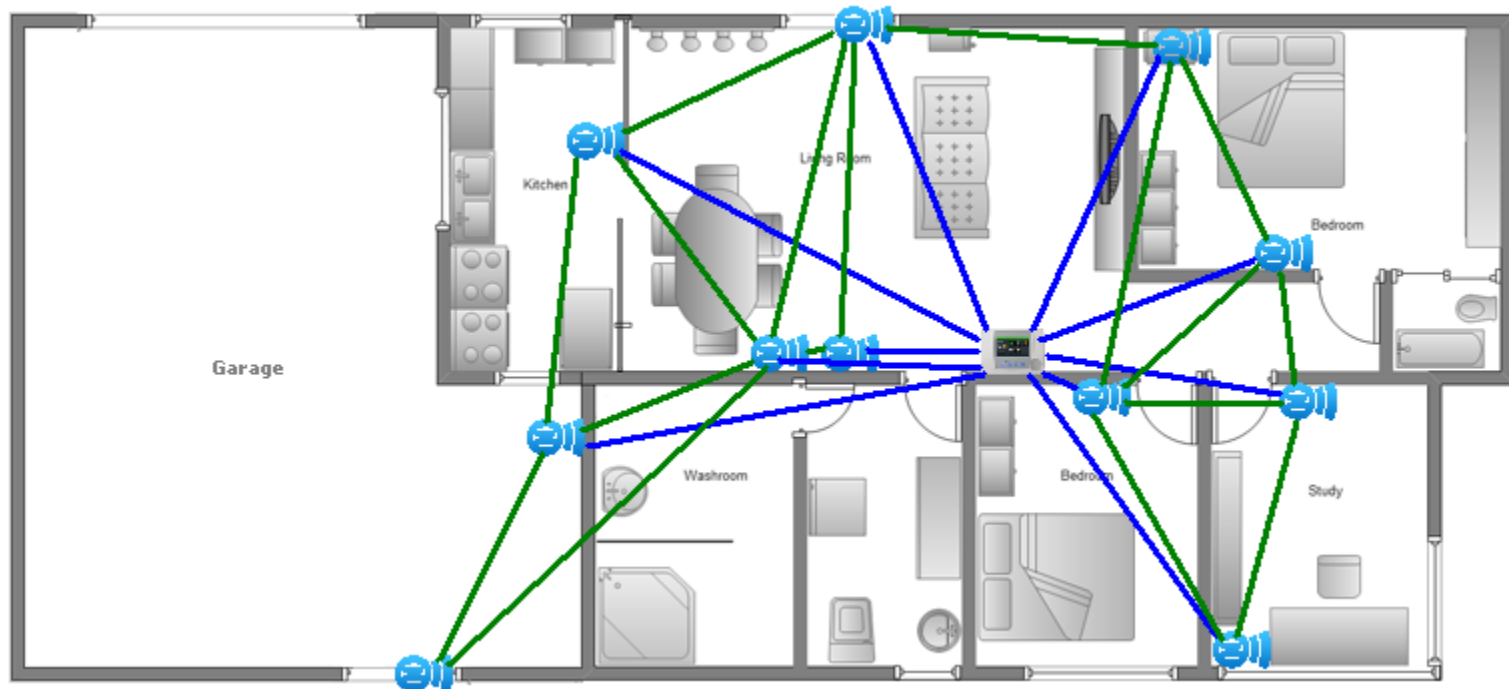
Including Devices

- ## Locks Must be Included Directly Into the L5100
  - Secure Devices (Locks) Are Not Support by Remotes

Low Power Inclusion Range

File Number
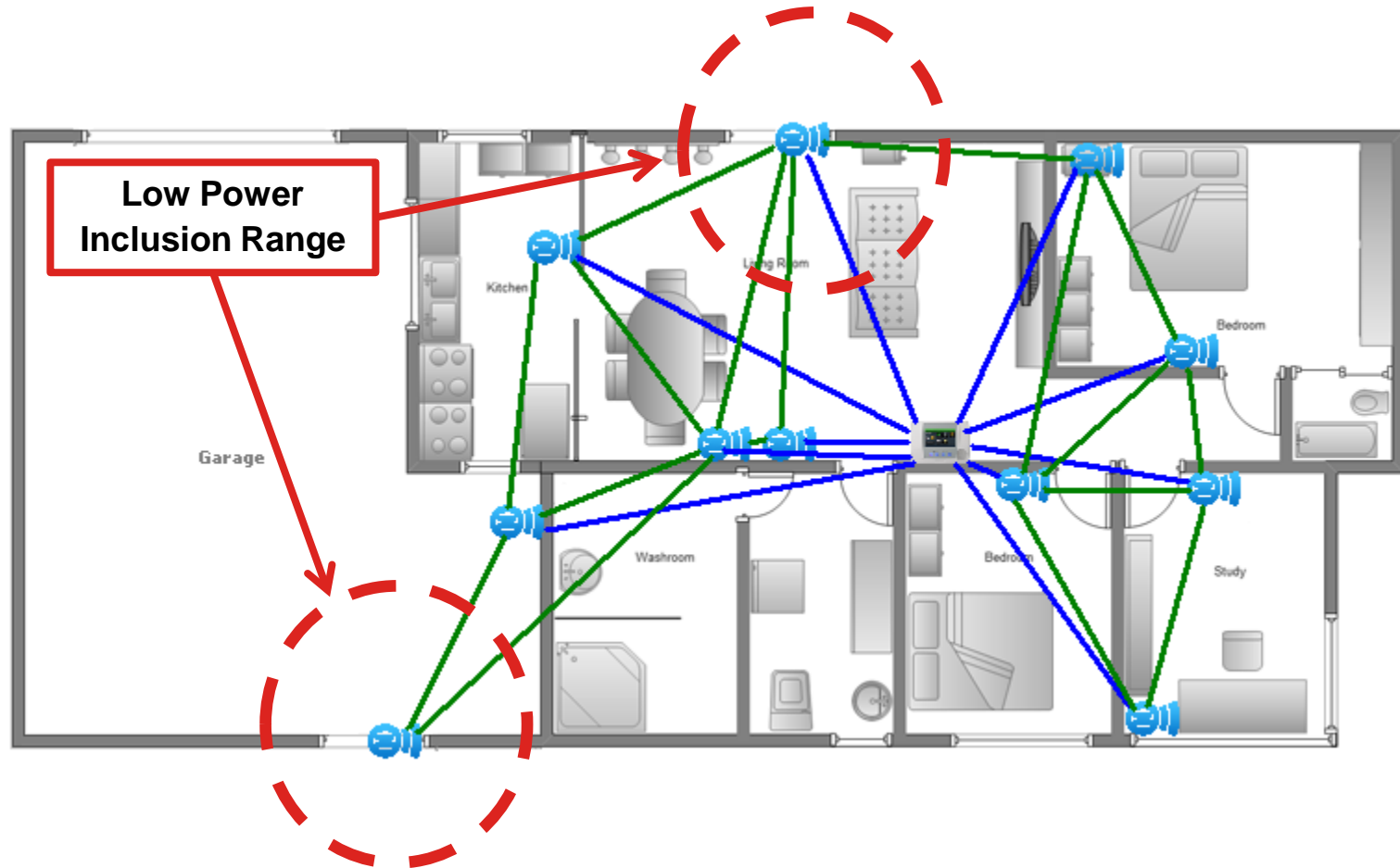
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Excluding Devices

Honeywell

Excluding Devices

- A Device Can Only be Included into One Z-Wave Network at a Time.

- Resetting, Fixing or Defaulting the Controller Does Remove Devices from its Own Memory; but, Does Not Communicate this to the Devices Themselves.

- Devices Removed Without Being Excluded will Still Need to Undergo the Exclusion Process.
  - 15 second supervision rate

- Devices that Fail Inclusion Should be Excluded before Re-Attempting to be Included.

- See Advanced tools for more information

Excluding Devices

- To Exclude a Device, Touch "Tools" and "Exclude Devices" from the Automation Screen.
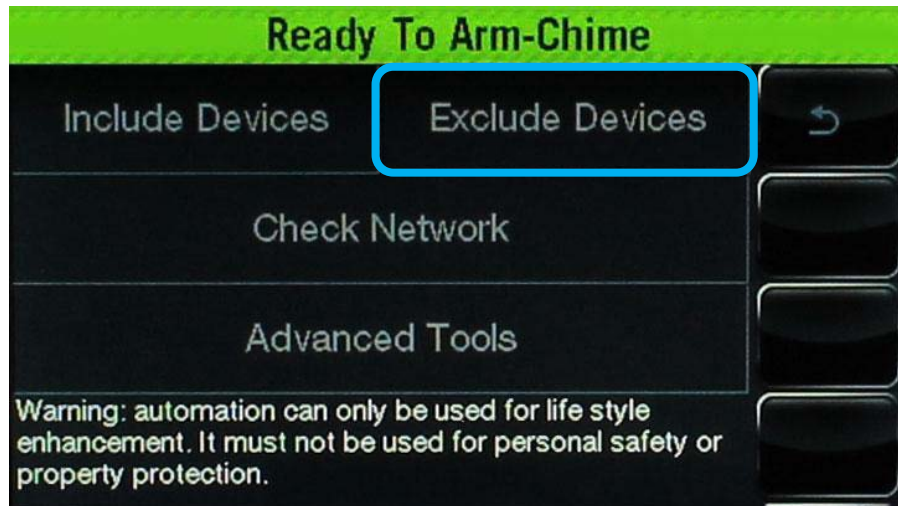
- After Entering Exclusion Mode, the L5100 will Prompt You to Press the Function Button on the Device.

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File Number

Excluding Devices

- Results Shown When Devices Are Excluded
- If the Excluded Device was Not Part its Own Network, "Unknown Device Excluded" will be Displayed.
- To Exclude Additional Devices, Touch "Exclude".

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File Number
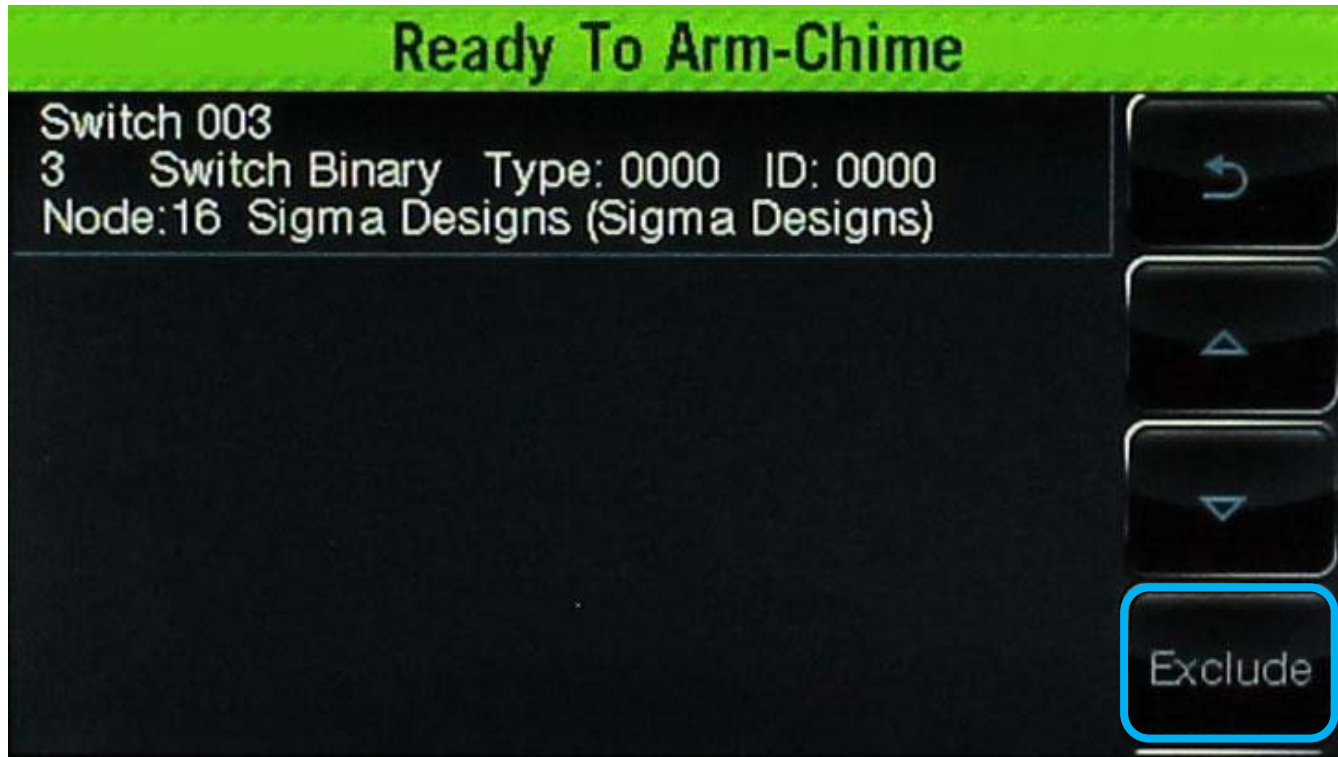
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Advanced Tools

Honeywell

Advanced Tools

- Node/Device Supervision
  - Provides Notice of Failed Nodes
- Network Rediscovery

File Number

Advanced Tools

- Failed Nodes Listed
- Fixing Failed Nodes, Deletes the Device

Advanced Tools

Honeywell
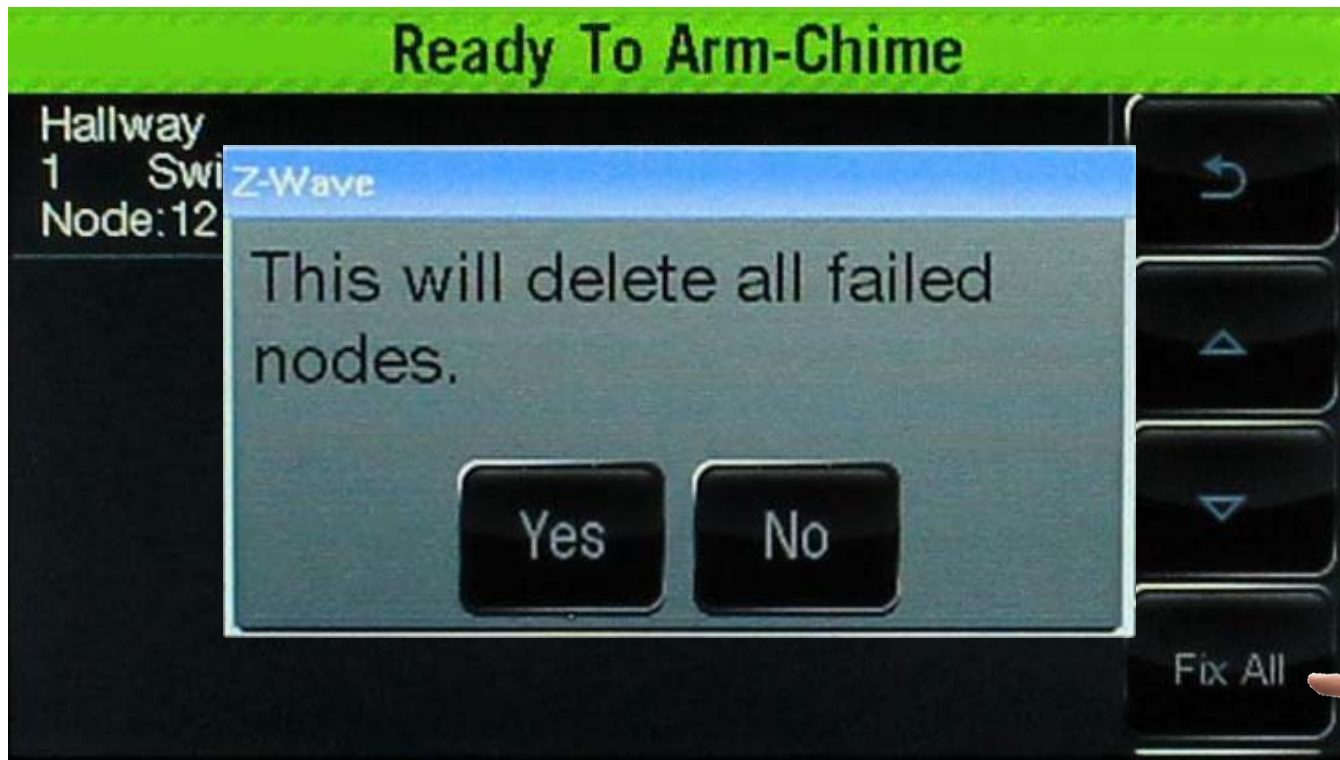
The L5100 has a Suite of Advanced Z-Wave Tools

- View Enrolled Devices
- View Enrolled Controllers
- Reset Controller
- Pri. Controller Shift to Secondary
- Learn
- Locking Door
- Base Command Set On
- Base Command Set Off

File Number

Advanced Tools

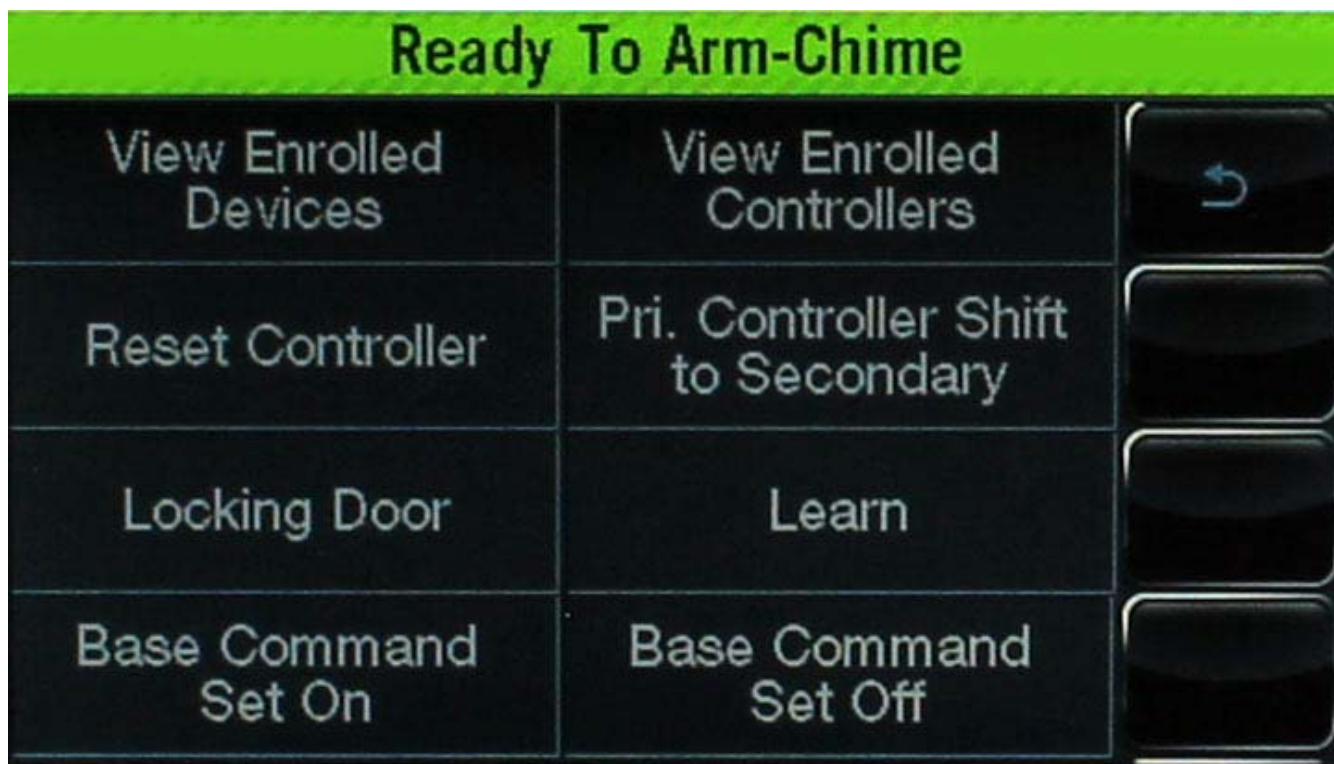- To Access the Advanced Tools Menu:
  - From the Automation Screen, "Touch Tools"
  - From the Tools Screen, Touch "Advanced Tools"

Advanced Tools

- To Access the Advanced Tools Menu:
  - Next, Enter the System Master Code

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- **View Enrolled Devices** – Lists All Mapped Slave Nodes
  - System Index/Name
  - Device Type
  - Device ID
  - Node Number
  - Manufacturer

Advanced Tools
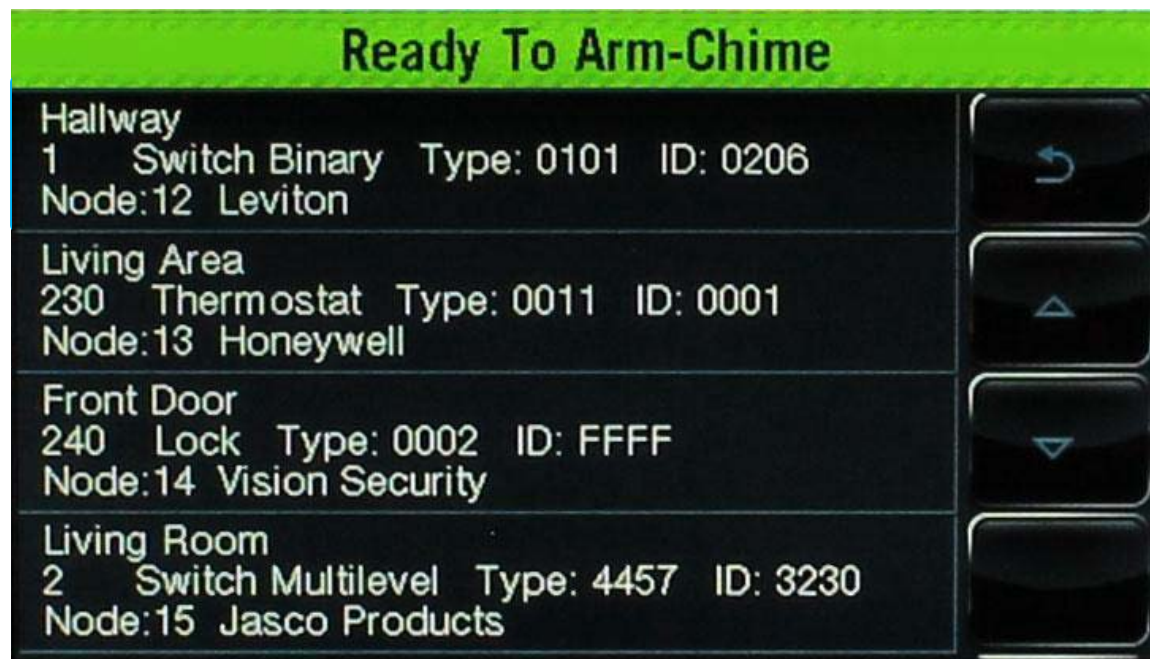
- **View Enrolled Controllers** – Lists All Mapped Primary and Secondary Controllers
  - Node Number
  - Controller Role: (P)rimary or (S)econdary
  - Home ID
  - Device Type
  - Device ID
  - Manufacturer

File Number
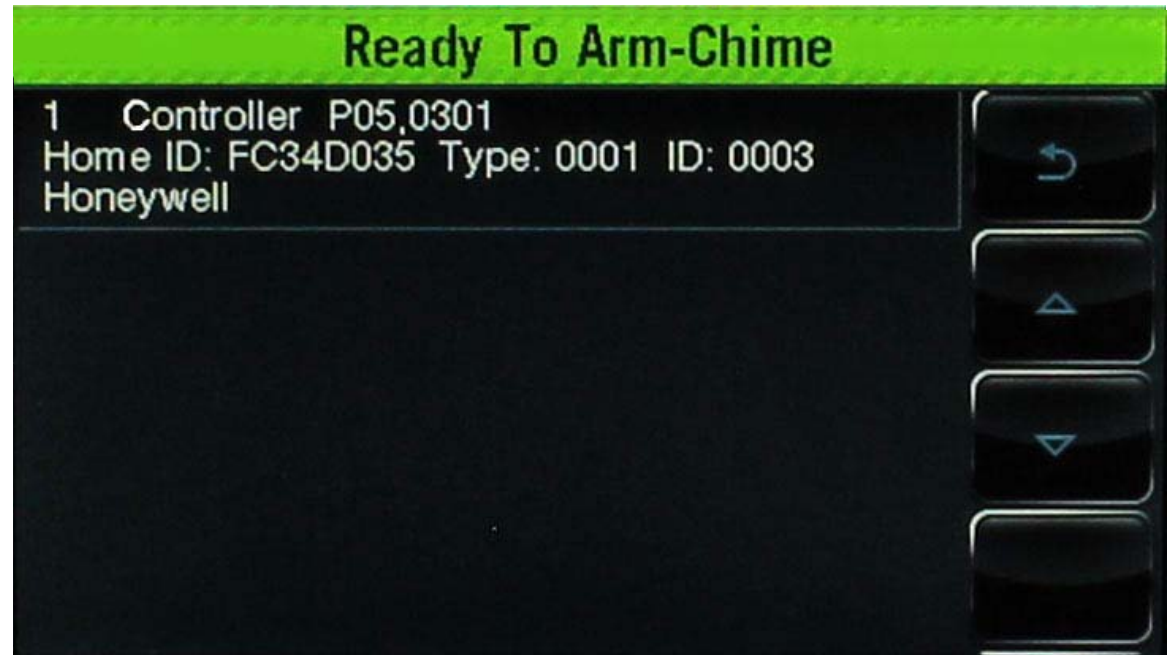
Advanced Tools

- **Reset Controller** – Default Resets Controller
  - Deletes All Nodes
  - Generates a New Random Home ID

Advanced Tools

- **Pri. Controller Shift to Secondary** – Transfers the Role of Primary Controller to Another Controller, Usually a Z-Wave Remote Control.

  - Z-Wave Network is Duplicated
  - Both controllers Can Operate the Z-Wave Devices
  - Only the Primary Can Include/Exclude Devices

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File Number

Advanced Tools

- **Learn** – Includes the Panel as Secondary Controller, Usually on a Z-Wave Remote Control.
    - Start Include Process on Remote/Primary, then Touch Learn
    - Z-Wave Network is Duplicated
    - Both controllers Can Operate the Z-Wave Devices
    - Only the Primary Can Include/Exclude Devices
    - Z-Wave Remote Used to Include Z-Wave Devices During Setup
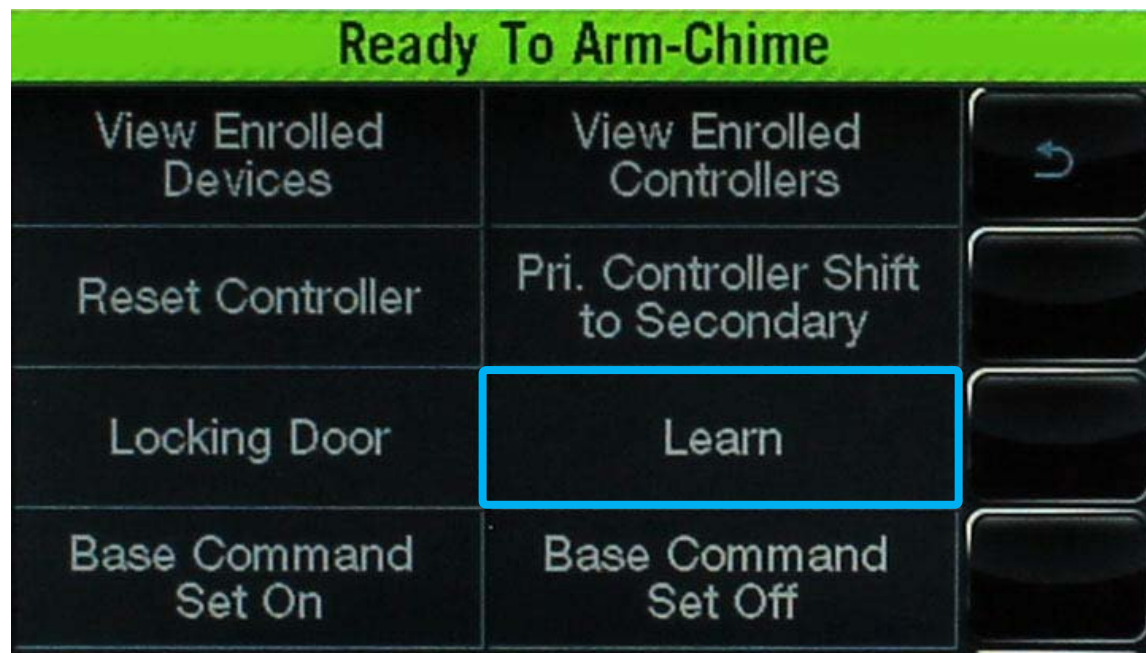
Advanced Tools
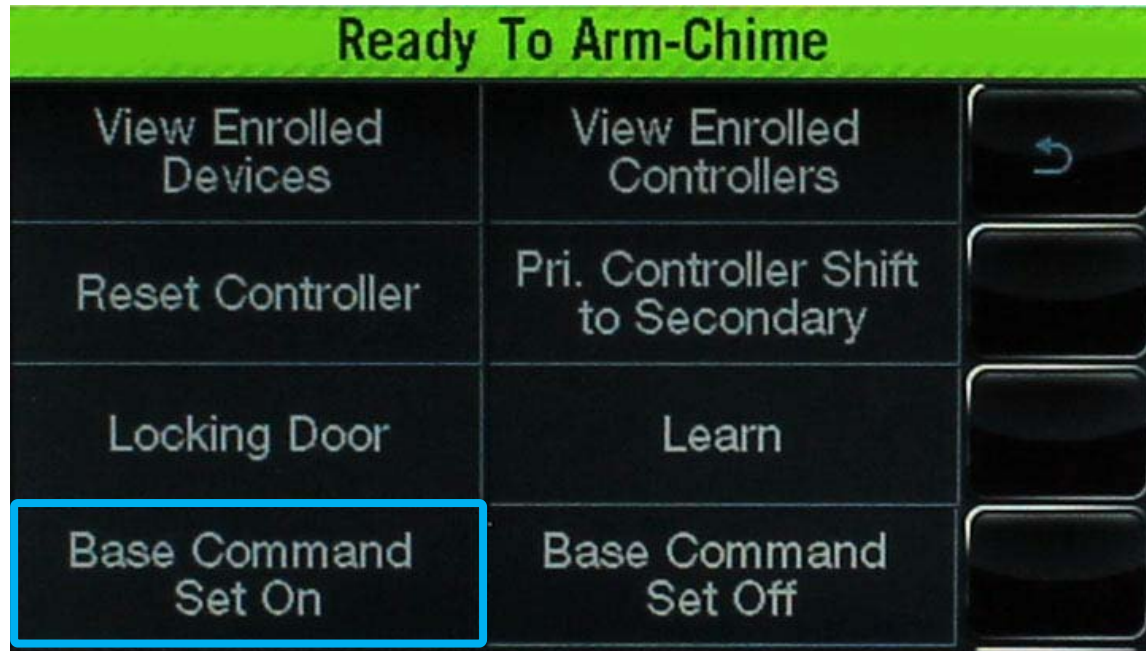
- **Locking Door** – Locking the Door Can Arm the Panel in the Following Modes
  - Arm Away
  - Arm Without Auto Stay
  - Arm Stay

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Advanced Tools

- **Base Command Set On** – Turns On All Switches.
  - Some Thermostats Enter Energy Savings Mode
  - Locks Ignore this Command
  - Z-Wave Certification Required Test Command
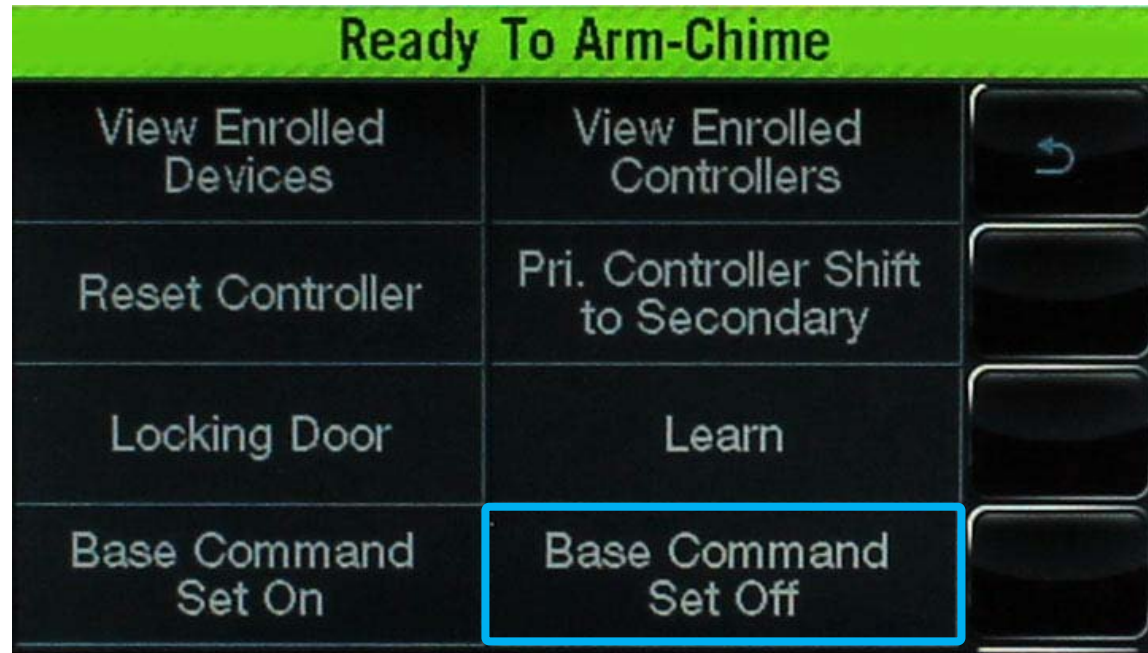
File Number

Advanced Tools

- **Base Command Set Off** – Turns Off All Switches.
  - Some Thermostats Exit Energy Savings Mode
  - Locks Ignore this Command
  - Z-Wave Certification Required Test Command

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FAQ's

- **Z-wave Device support**
  - Will work with same Z-wave devices specified in Tuxedo, see User Guide for details
  - Inclusion device support - GE, Aspire, and Leviton.

- **How do I Flash lights on an event (like burglary)?**
  - Z-wave does not handle flashing of lights well.
  - The easiest way is to use an outlet that is z-wave controlled, and then install a strobe into the outlet.
  - When the event occurs, switch on the outlet to turn on the strobe. The strobe will then begin to flash.

- **How do you back up Z-wave information?**
  - Z-wave information is uploaded into Compass, so it can be used to recreate the scenes, rules and schedules originally created if necessary.
  - Use a secondary controller, connected to a laptop (such as the Leviton USB device), save the information to a file.

File Number

FAQ's

- **Can the Duress code be used to unlock the door and disarm the system?**
    - Yes, if enabled in user code programming
- **If there is a z-wave system, and someone moves a device (lamp module or other), how do you "repair" the network so that the device still reports into and can be controlled from the system?**
    - Z-wave has a self-repair function.
- **Z-wave devices**
    - Primary controller is the only controller to include devices
    - Nodes start at 1 (primary controller), and go to 232.
    - If you include and exclude the same device 232 times, you will run out of nodes, and the controller will then restart and fill open nodes

File Number

FAQ's

- **Can you learn a L5100 into another L5100 as a secondary controller**
  - No, this does not work, and may be fixed in a running change.
  - The panel will try and find the device through each of the nodes on the network.
  - It will take some time, but you can expedite it by turning on/off the light, or activating the device.
- **Does L5100 support Network Wide Inclusion**
  - No. But, most manufacturers don't support it yet, including Leviton.
- **What if I install more than 40 light switches on a L5100?**
  - You can add more than 40, you cant control more than 40

File Number