Lynx Touch – L5100 Technical Training

WiFi Setup

Honeywell

WiFi General Information

- Is compatible with the New Honeywell WAP-PLUS
  - Does not work with the Honeywell WAP

- Does not work with the Sercom router sold under Honeywell brand through ADI (Sercom has a work around/fix)

- Does not support WPS (initially)

- Does not work with a router which does not transmit its SSID (the router must transmit SSID)

File Number

Wi-Fi Router Compatibility Chart

Honeywell

- Some routers may not work in the initial release, a list of routers supported will be part of release 1 communications
  - Cisco E1500
  - Netgear WNR2000 v3
  - Dlink DIR-815
  - Buffalo WHR-HP-GN (Amp using this one)

- Wi-Fi Certification
  - Running change 3Q2012

- Recommended Encryption
  - WPA2

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Advanced Protection Logic

1. System armed ⟶ **2. Entry delay starts** ⟶ **3. Signal sent to AlarmNet**

5. Central Station Dispatches

or

4. If System is <u>Not</u> disarmed within entry time AlarmNet sends signal to central station

4. If System is disarmed within entry time, no signal is sent to central station

Superior Implementation With APL

File Number

WiFi Alarm Reporting

- After 1 hour of AC loss, the WiFi module shuts down to preserve battery.

- Reports may take up to 60 seconds to report, even if GSM is used as back up (60 seconds is the time for WiFi to wake up, scan for networks, acquire an iP address).
  - Smash and grab will still work, just will take extra 60 seconds to report. Smash and grab will not have an increased level of false alarms due to the power save feature

- If router is down, for whatever reason, reports then go over GSM but may not be until >60 seconds later (as the Wi-Fi path is tried 1st)

WiFi Alarm Reporting (Cont.)

- If there is a smash and grab event, the WiFi module will respond to the increased supervision, thus not creating the new APL possible trouble alarm

- Entry delay and/or dial delay may add additional time to the alarm report time (unless the WiFi wakes up after event, rather than when the alarm needs to report out)

- While you get TC basic free with WiFi / ip, it will not work during a power outage, even if GSM is the back up (after the 1 hour as the WiFi module is asleep)

WiFi Setup

- WiFi Module Installed Speaker Side
  - Power System Down Before Installation
  - Must be mounted on the speaker side

RECEPTACLE

L5100-WiFi

EDGE CONNECTOR
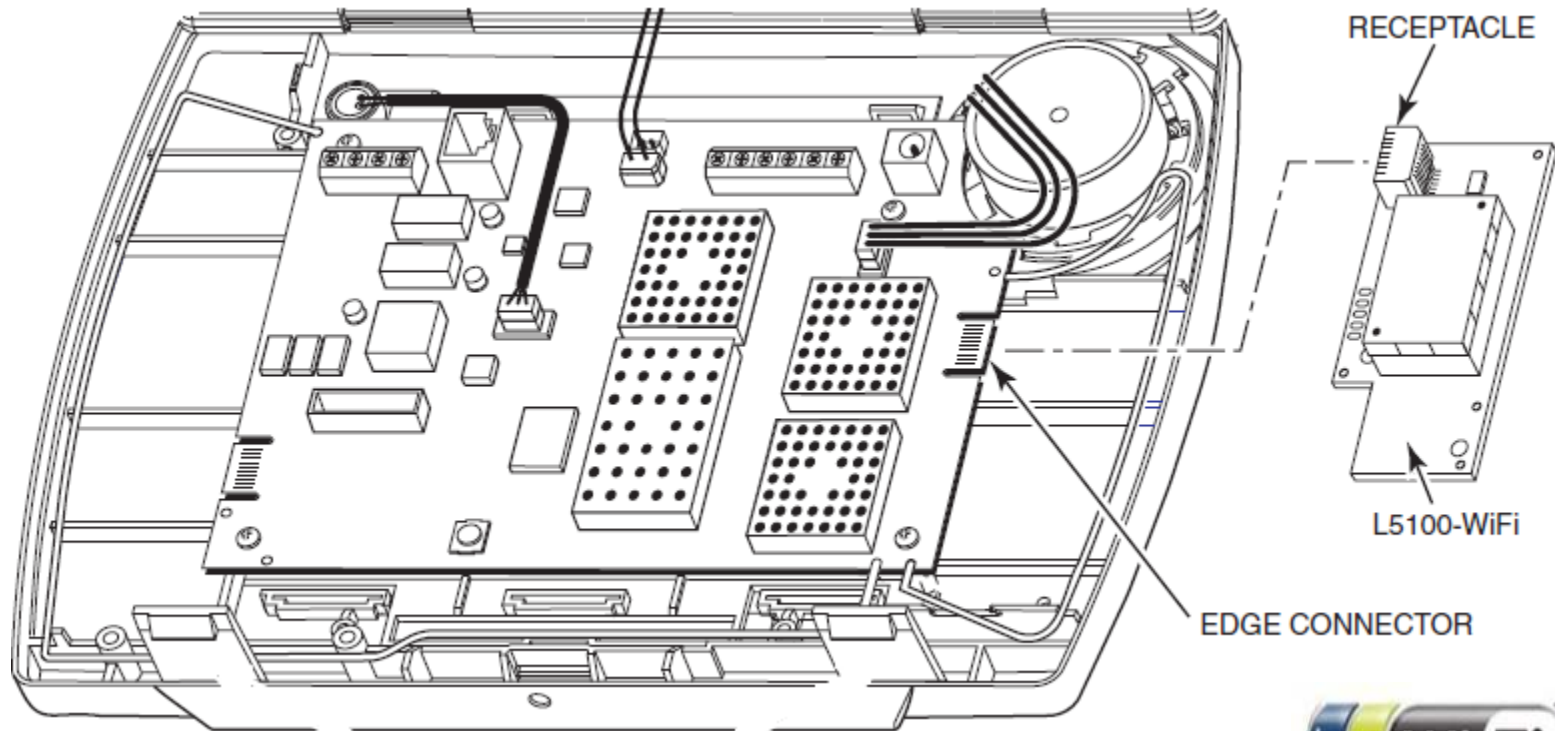
WiFi Setup

- WiFi Network Connection
  - Setup by Installer
  - Reconfigured by Master

Installer Programming

- Communicator
  - Select Communication Path
    - WiFi
    - WiFi & GSM

- Advanced Protection Logic
  - Must Use AlarmNet Device as Primary Communicator
    - IP
    - GSM
    - WiFi
    - WiFi & GSM

System Programming...		
Communication Path	APL	
None	Enabled	
City ID	CS ID	Sub ID
99	6C	5100
Supervision	Old Alarm Time	
24 Hours	10 Minutes	
Remote Acc. Comm.	Multi Mode Comm.	
Enabled	Enhanced Reports	

| Communication Path	APL
WiFi	Enabled

Communication Path	APL
WiFi & GSM	Enabled

GSM Fault time is defaulted to 60 minutes and can not be changed.

File Number

WiFi Setup

Installer Programming

- Communicator Diagnostics
  - Select Configure WiFi
- Scan Access Points
  - Broadcasting Networks
- Manual Configure
  - Non-Broadcasting Networks*
  - Pre-Configuring
  - **Feature currently not working**
- NOTE:
  - If the SSID is not broadcasted, the WiFi will not connect
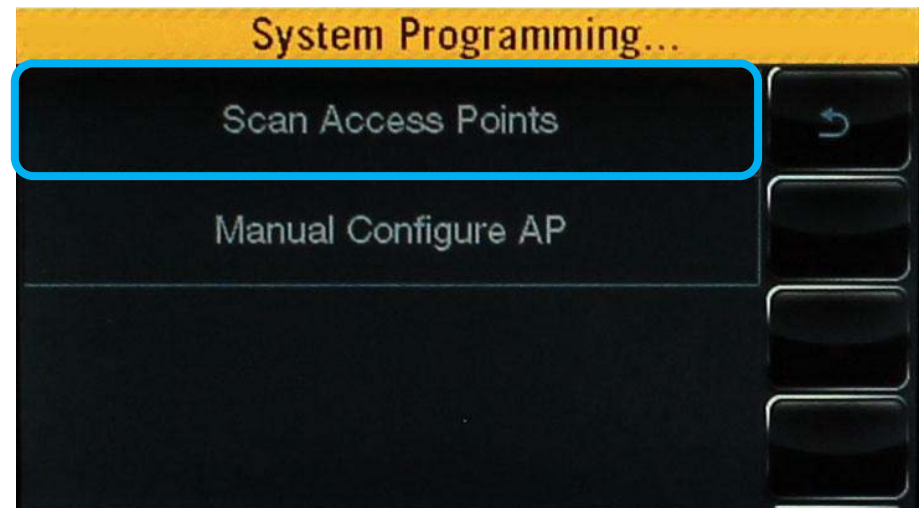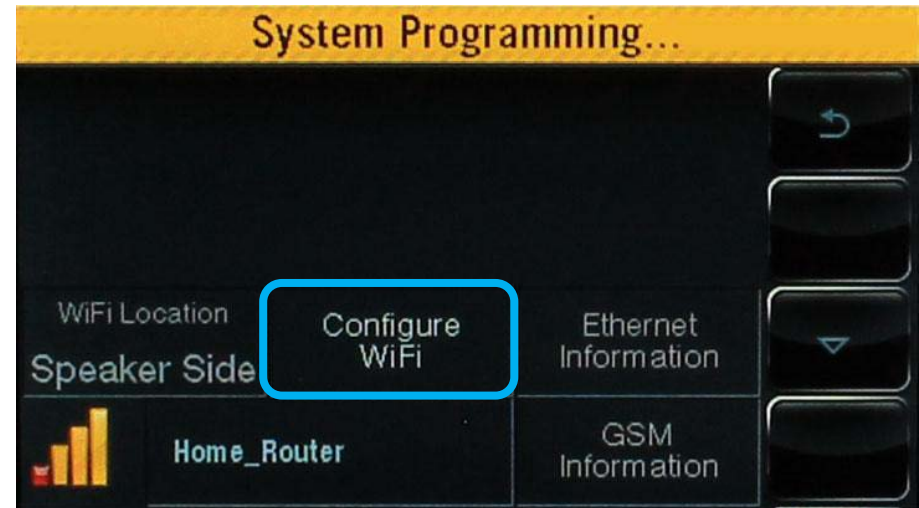
WiFi Setup

Scan Access Points

- Touch Scan to Re-Scan
- Select Network and Touch Edit to Configure and Join.

- Toggle Field Values by Touching Each Field.
  - Security, Infrastructure & DHCP will be Detected Automatically
- Touch Key to Enter Network Passphrase or Key

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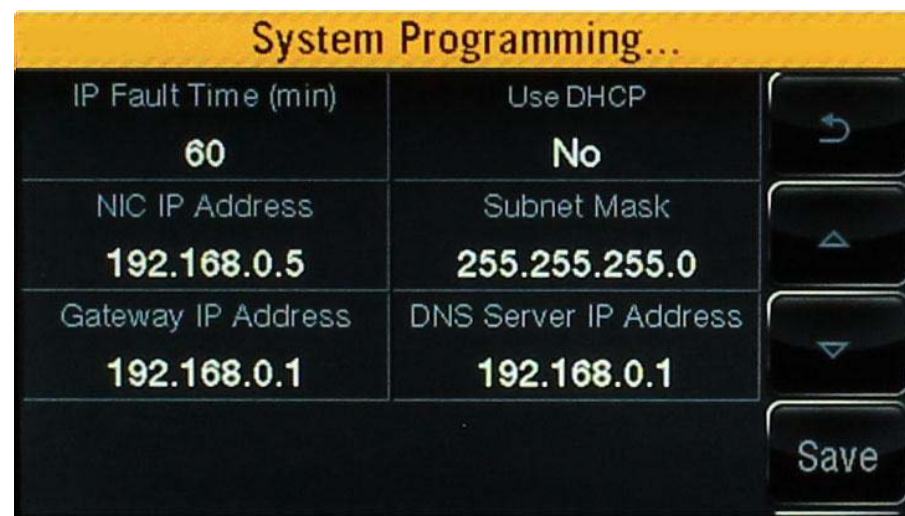
File Number

WiFi Setup

Scan Access Points

- Touch "Done" After Entering the Network Passphrase or Key.

- Touch "Save" to Save the Network Settings.

- Touch "Join" to Join the Network.

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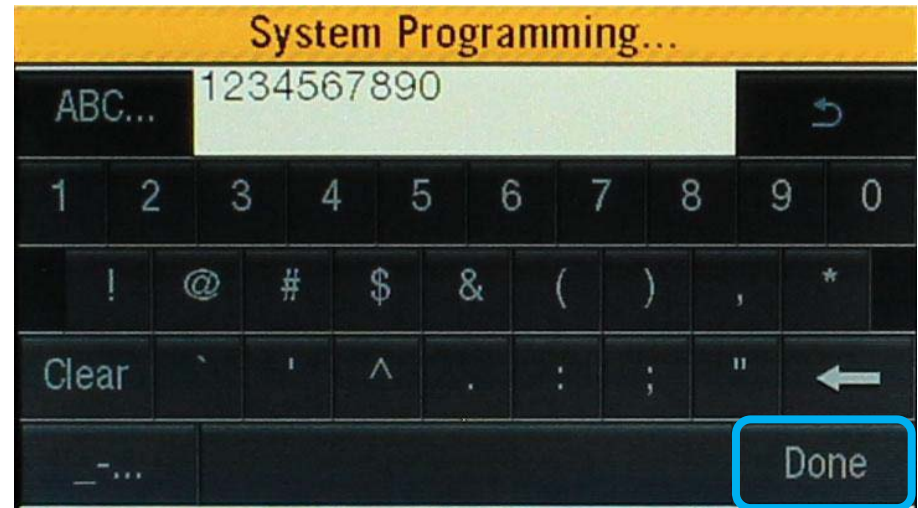
WiFi Setup

Manual Configure AP

- Used for Non-Broadcasting Network Configuration
- Security
  - Open
  - WPA1
  - **WPA2**
  - WEP
- Network Type
  - Infrastructure
  - Ad-Hoc` (no WiFi required)
- DHCP
  - Yes/No
  - Configure Static Settings on Page 2 of Communicator Programming

System Programming...
SSID Name

Security	Network Type	DHCP
Open	Infrastructure	Yes

Key

Join   Save

System Programming...

IP Fault Time (min)	Use DHCP
60	No
NIC IP Address	Subnet Mask
192.168.0.5	255.255.255.0
Gateway IP Address	DNS Server IP Address
192.168.0.1	192.168.0.1

Save

File Number

WiFi Setup

- Configure WiFi via Master Tools Menu
  - WiFi Config

- WiFi Configure Options
  - Scan Access Points
  - Manual Configure AP

- Only The Installer May Setup Static Connectivity.

- All Steps Same to Join a Wireless Network.

- **If the SSID is not broadcasted, the WiFi will not connect**

WiFi Setup

- ## Power Reset Option
  - Available for the end user
  - More → Tools → {Master Code} → Test → Reboot
    - ◆ If Power Cycle is Required to Reconnect to Network

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Lynx Touch – L5100 Technical Training

Android Tablet Setup

Honeywell

Tablet General Information

- Does not support programming modes (Master user screen, Installer program screens, and Advanced Z-wave screens)

- Can be used with Tuxedo

- Can be learned in many panels (vacation and main home)

- 4 tablets per panel (must be learned in)

- App for Android Market will be available in May (Appr.)

- App for Apple will be available in Dec. (Appr.)

File Number

Android Tablet Setup

The MID-7H Tablet Used to Access to View and Control the Lynx Touch 5100 and Z-Wave Devices.

- L5100 Must Have Installed One of the Following:
  - L5100-WIFI
  - ILP5
- WiFi Required <u>Onsite</u> for MID-7H Tablet Connection
  - No Remote Connectivity

File Number

Android Tablet Setup

Enable & Connect Tablet to WiFi Network

• Go to Settings on Tablet by Selecting the "Settings" Icon.

File Number

Android Tablet Setup

Enable & Connect Tablet to WiFi Network

• From Settings, select "Wireless Networks".
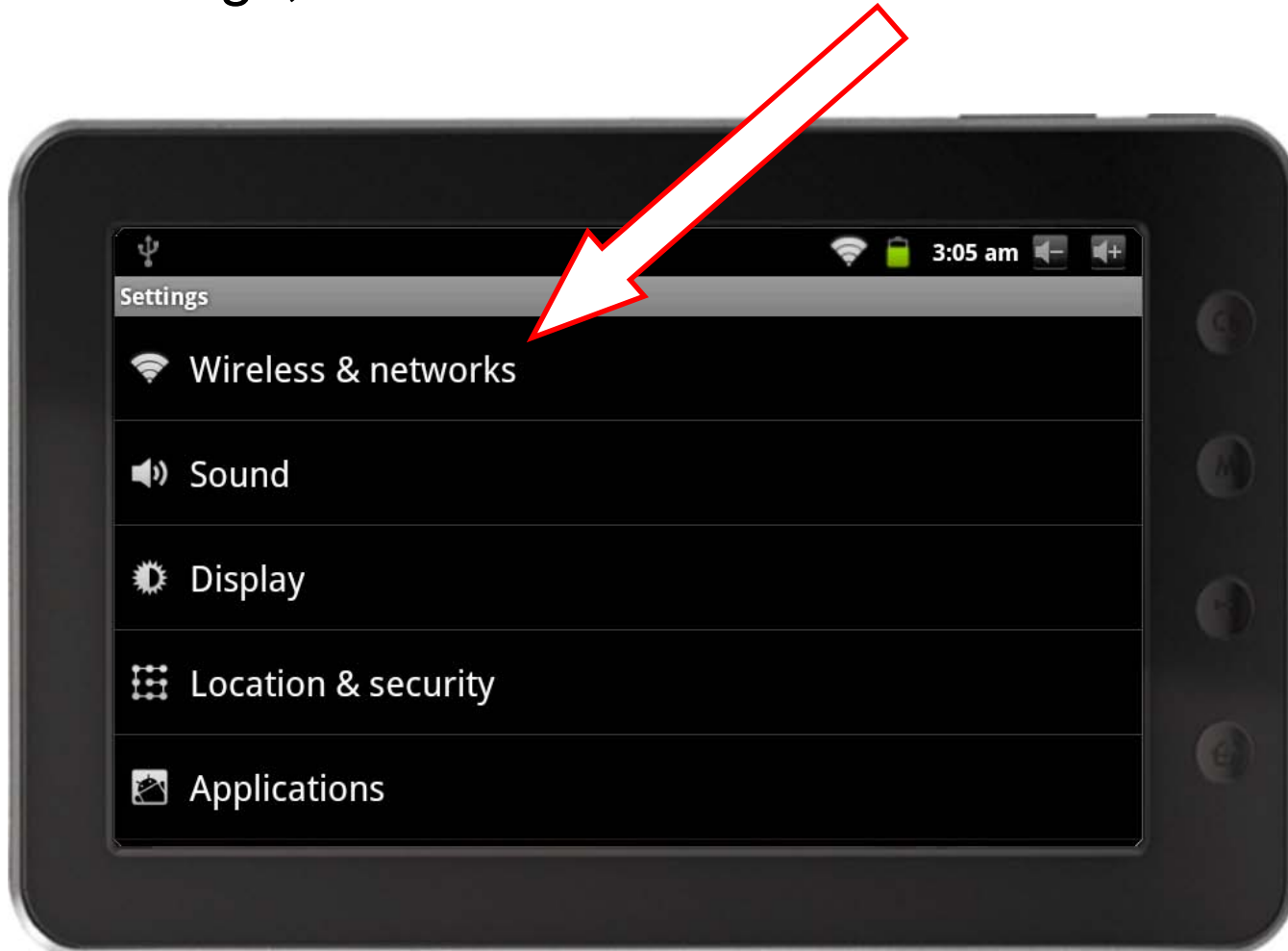
Android Tablet Setup

Enable & Connect Tablet to WiFi Network

- On this Page, Make Sure a Check Mark Appears in the Wi-Fi Box; If Not, Select the Box to Enable.

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File Number
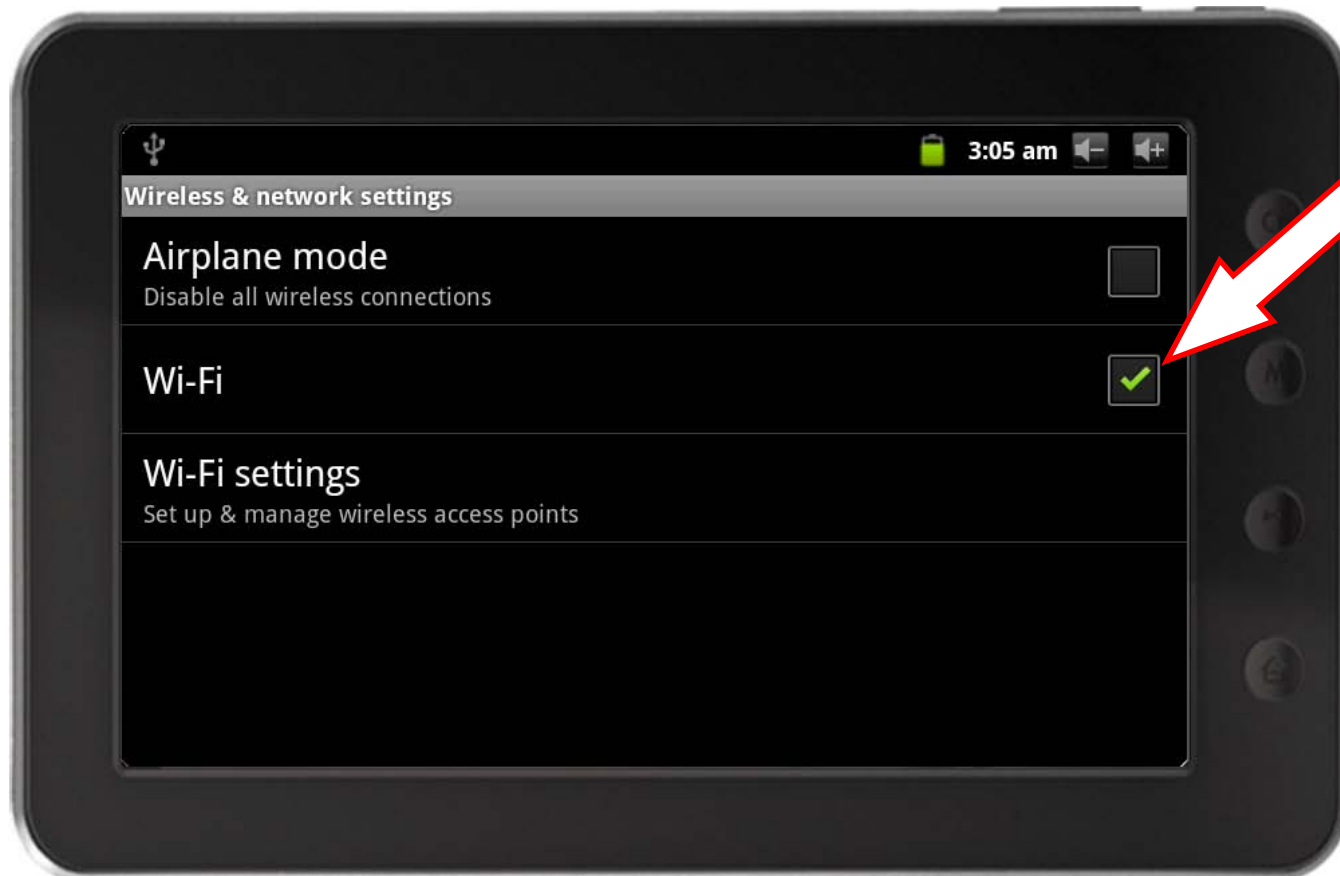
Android Tablet Setup

Enable & Connect Tablet to WiFi Network

• Next, Select "Wi-Fi Settings" to Display the Available Networks.

File Number
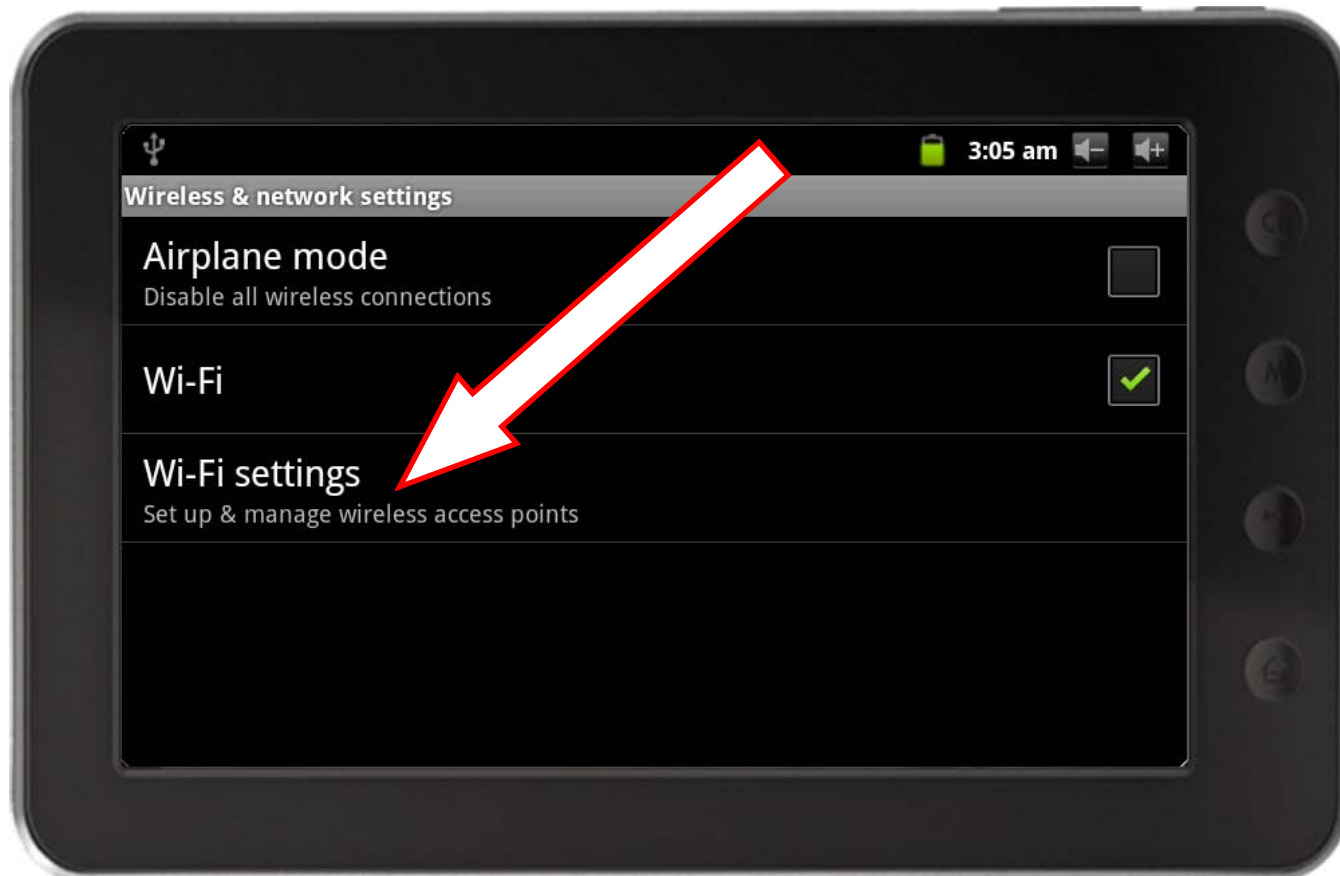
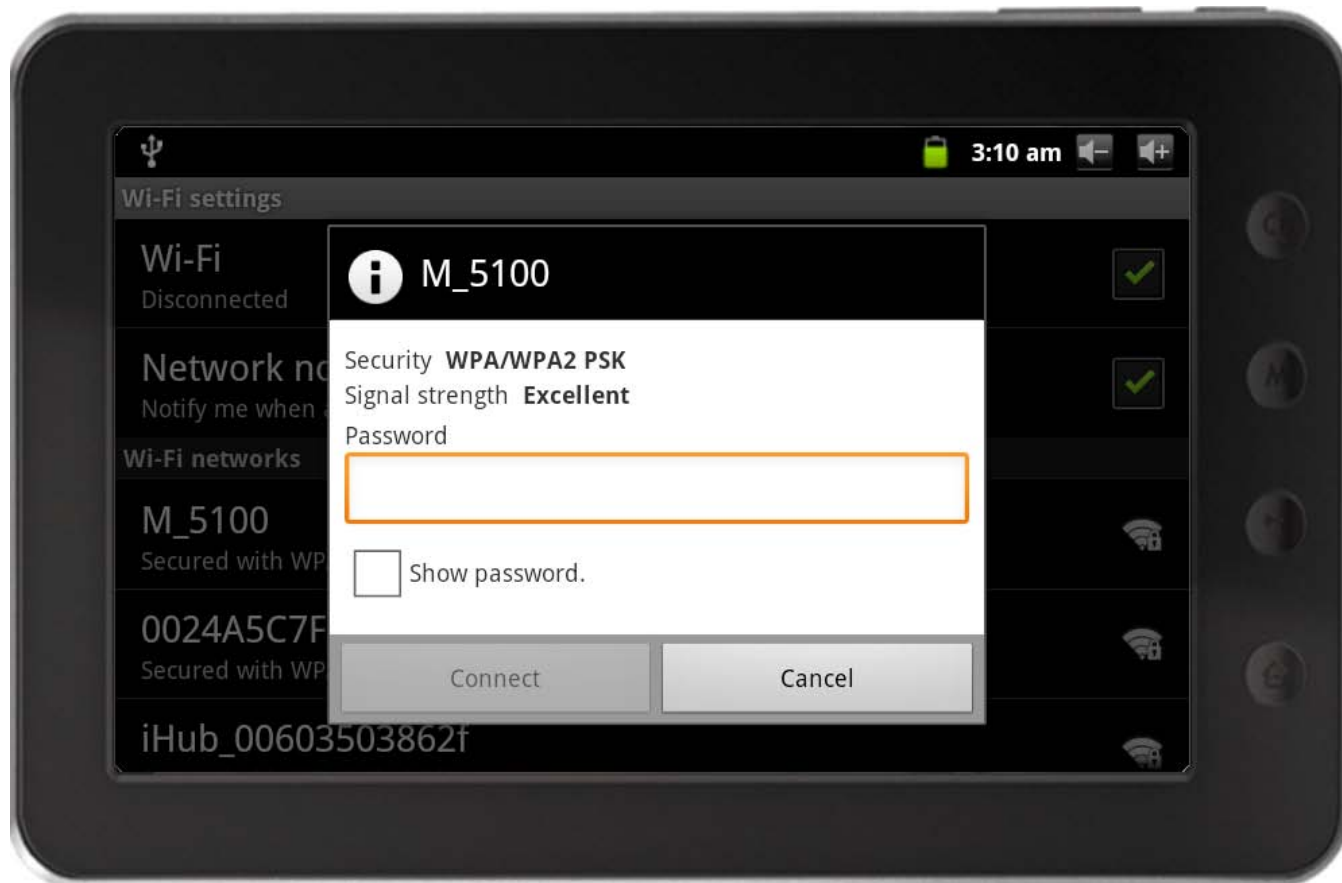# Android Tablet Setup

Enable & Connect Tablet to WiFi Network

• Select the Network to Join.

• If network is not detected press the Menu button
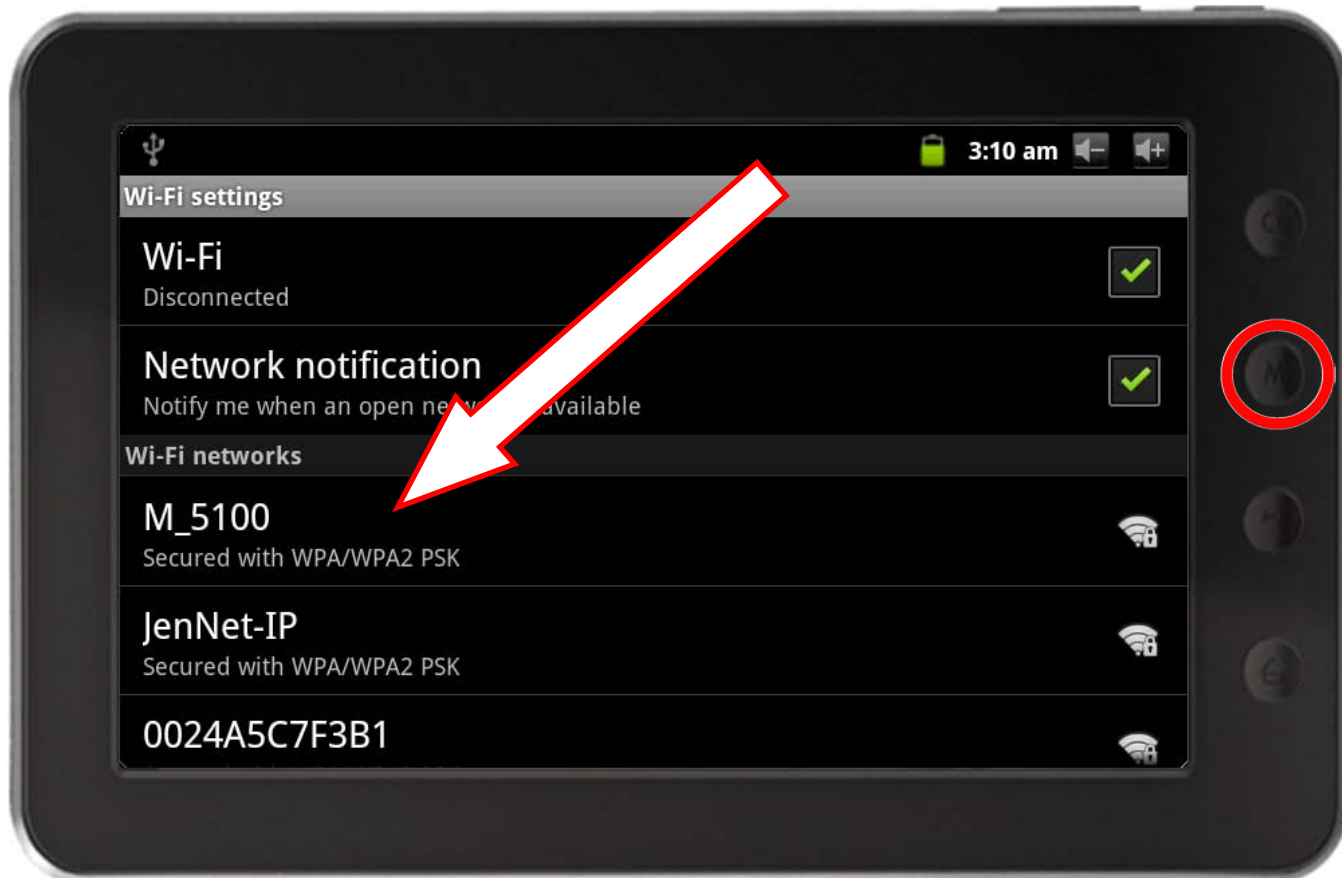
Android Tablet Setup

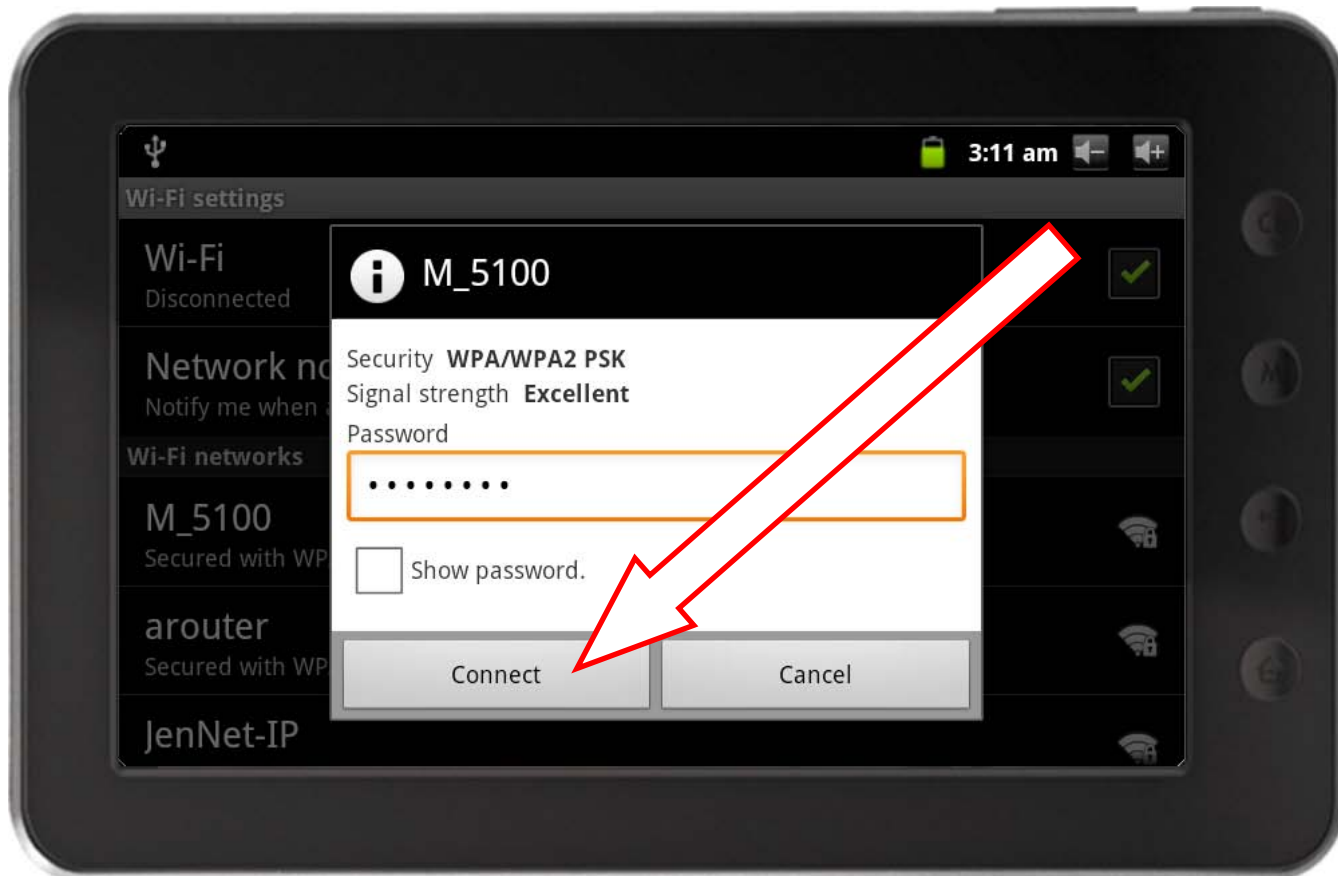Enable & Connect Tablet to WiFi Network

• Enter the Network Password.

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Android Tablet Setup

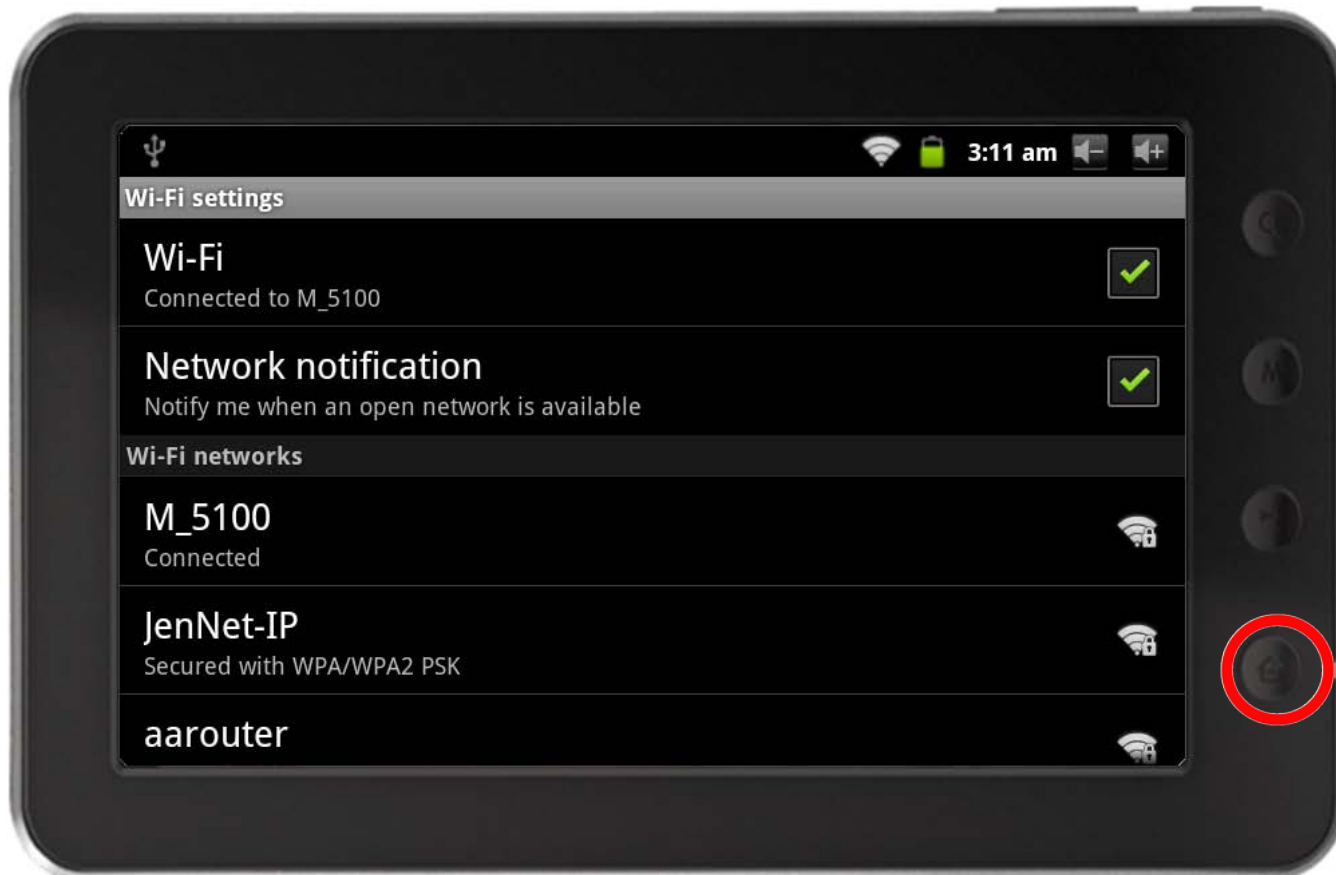Enable & Connect Tablet to WiFi Network

- To Connect to the Selected Network with the Password Entered, Select "Connect".

Android Tablet Setup

Enable & Connect Tablet to WiFi Network

• The Tablet Will Now Show "Connected to..." the Network.

• Press the "Home" Key to Return to the Home Screen.

Android Tablet Setup

Link the Table to the Lynx Touch

- From the Master Tools Screen, Touch the Keypad Icon.
  - Select "More" → "Tools" then Enter Master Code.

- If Tablets are Already Enrolled, their MAC ID will be Shown.

Android Tablet Setup

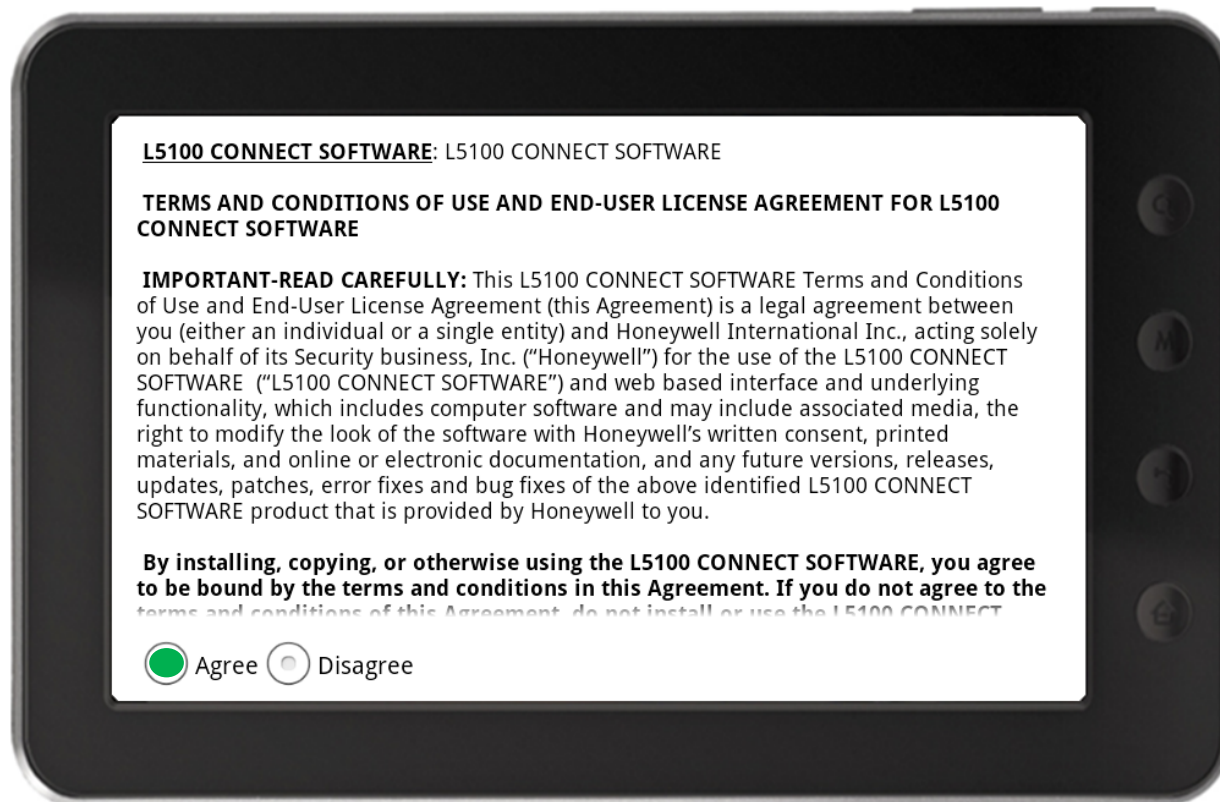On the MID Tablet, Press "L5100 Connect".

File Number

Android Tablet Setup

The Tablet will Display "Honeywell" Followed by the EULA.

 File Number

Android Tablet Setup

- Read the End User License Agreement
- Select Agree to Continue
  - Should be Agreed to by Home Owner
    - This option will appear each time the icon is pressed

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Android Tablet Setup

- Tablet is Searches for the L5100 on the WiFi Network
- Discovery Takes Between 10 to 20 Seconds

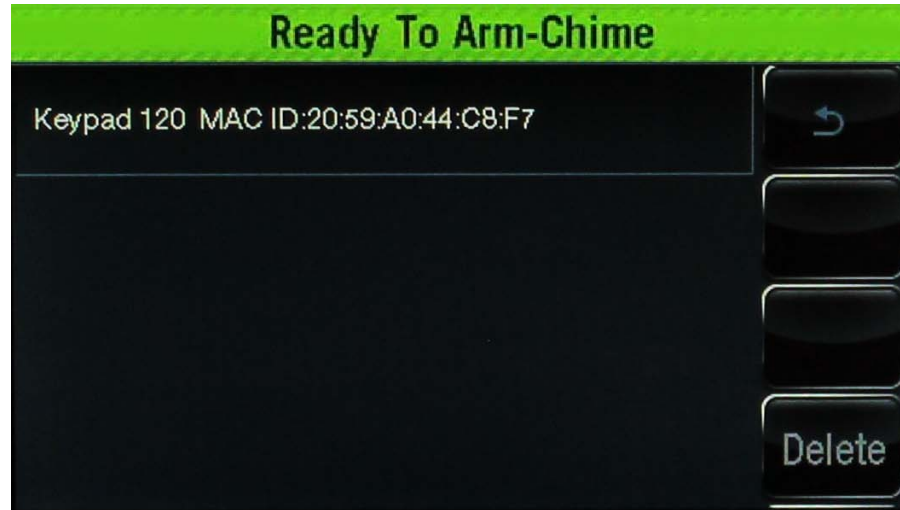HONEYWELL - CONFIDENTIAL File Number

Android Tablet Setup

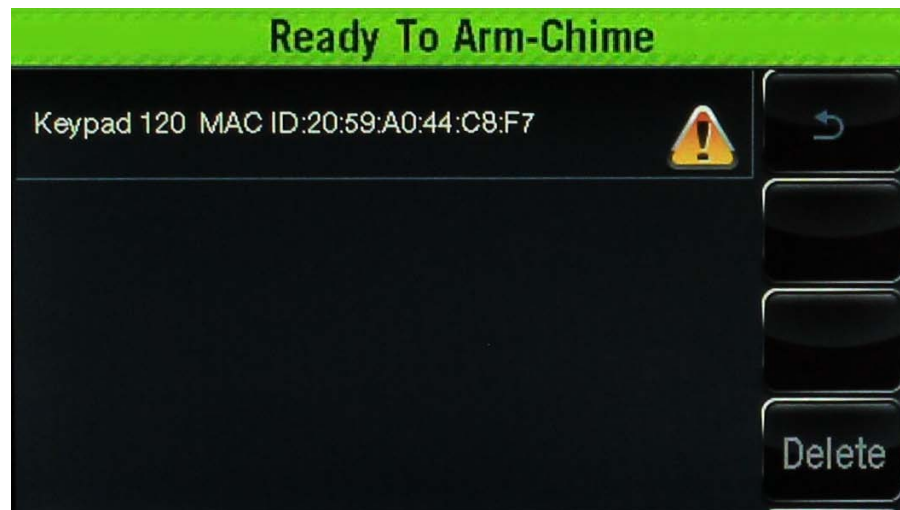- Upon Connection, the L5100 Home Screen will be Displayed.

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Android Tablet Setup

- WiFi Keypad Screen – Tablet Enrolled

- WiFi Keypad Screen – Lost Connection with Tablet

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FAQ's

- **The tablet doesn't have Panic keys, how do I send Panic?**
  - Competitors have panics on the wireless keypads. Our proposed work around is
  - Use a 5802 panic
  - Enter a Duress code for burg

- **Can the tablet work with the ILP5 IP communicator?**
  - Yes, it works with either ILP5 or L5100-WiFi, as long as you have a wireless router.

- **Wi-Fi and ILP5 can I use them both**
  - No! One or the other.

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