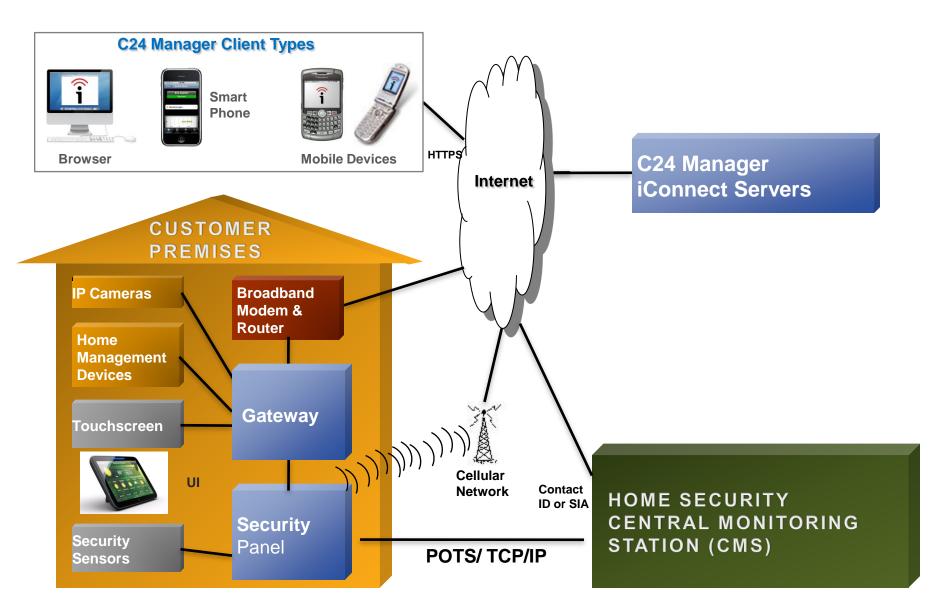


C24 Technology Overview

March 5, 2012

















- Most common IP-based WLAN network standard
- Based on 802.11 standards (we use 802.11g type)



- 2.4 GHz (802.11g), microwave frequency
- Point-to-Point network: Gateway sends/receives to each individual device





Wi-Fi Device Types

Camera

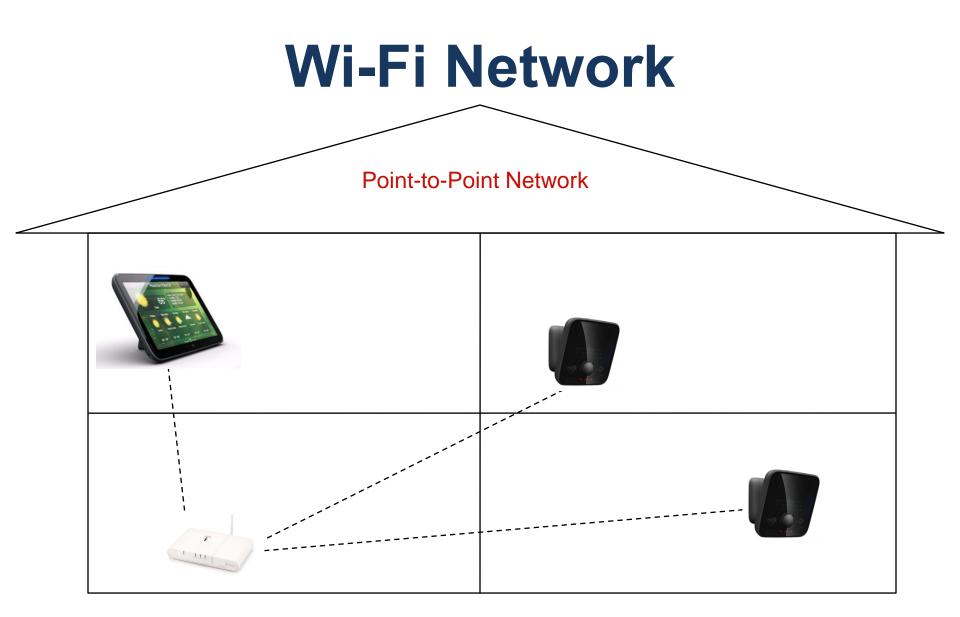
Touch Screen





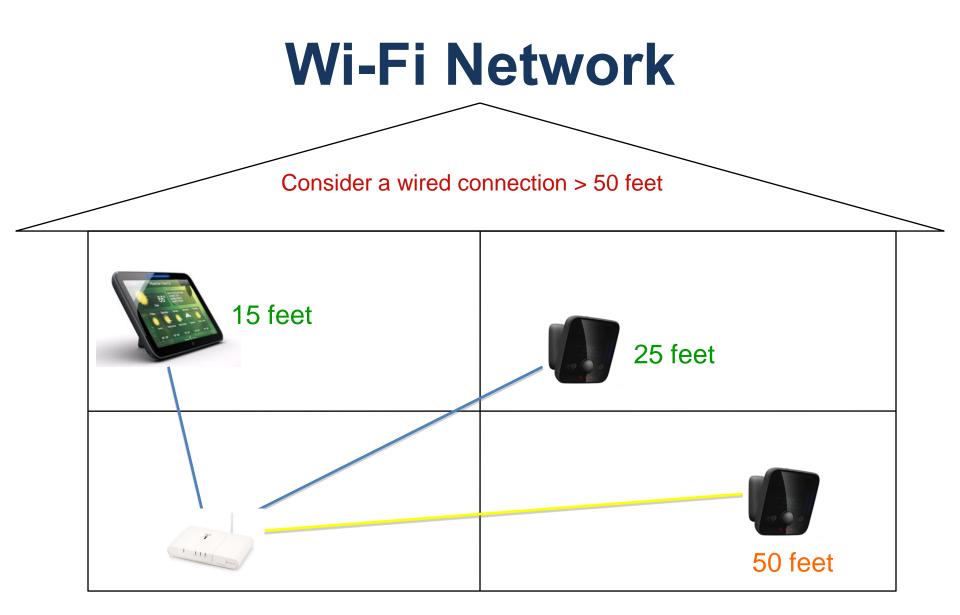






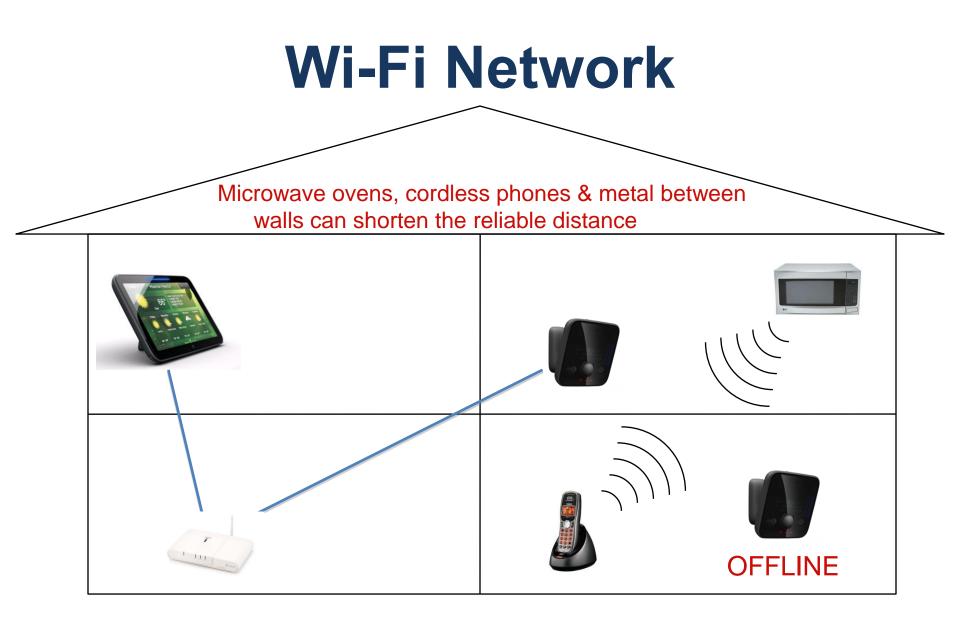
















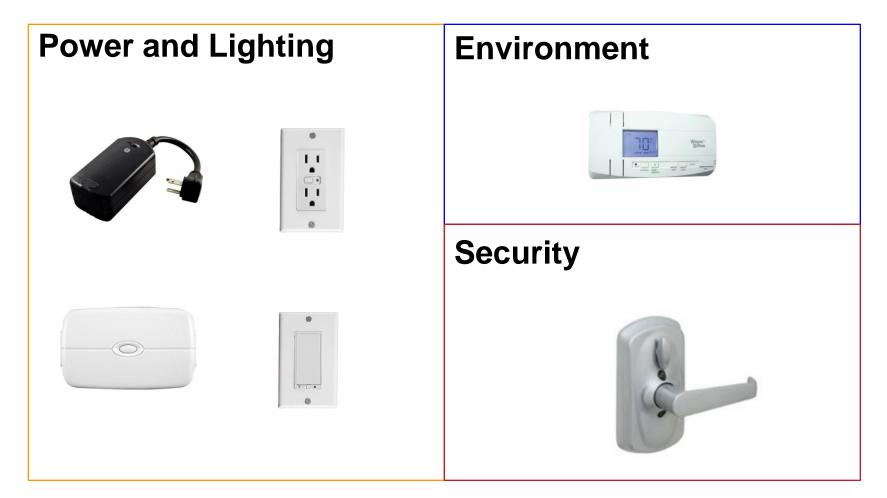


- Wireless standard for low-overhead home automation: on/off, raise/lower
- Low-cost, used by over 200 technology vendors
- Interference-tolerant, low power, 908.42 MHz
- Mesh Network: every device can send/receive commands (no more than 4 nodes)



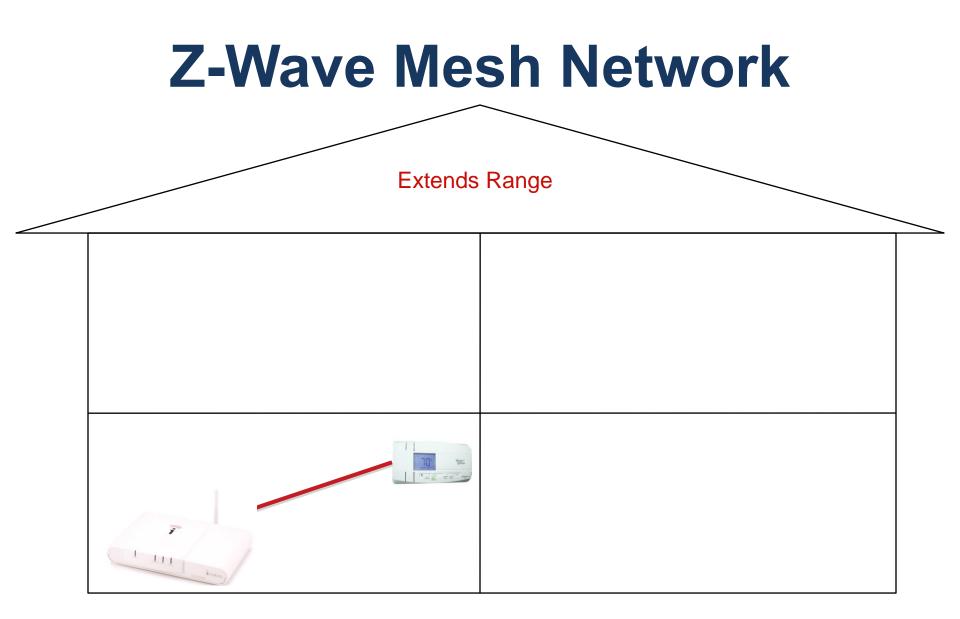


Z-Wave Device Types



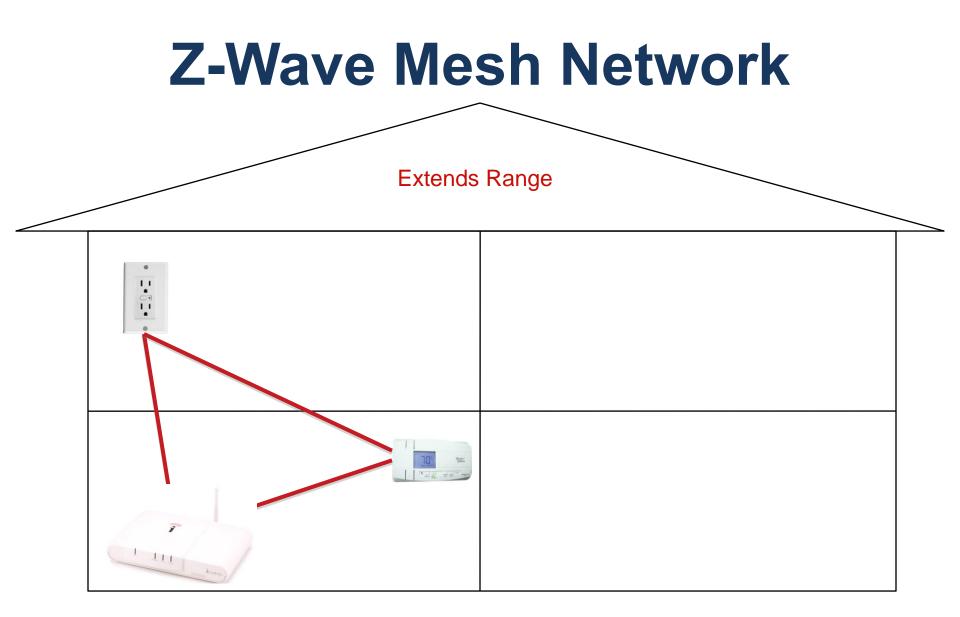






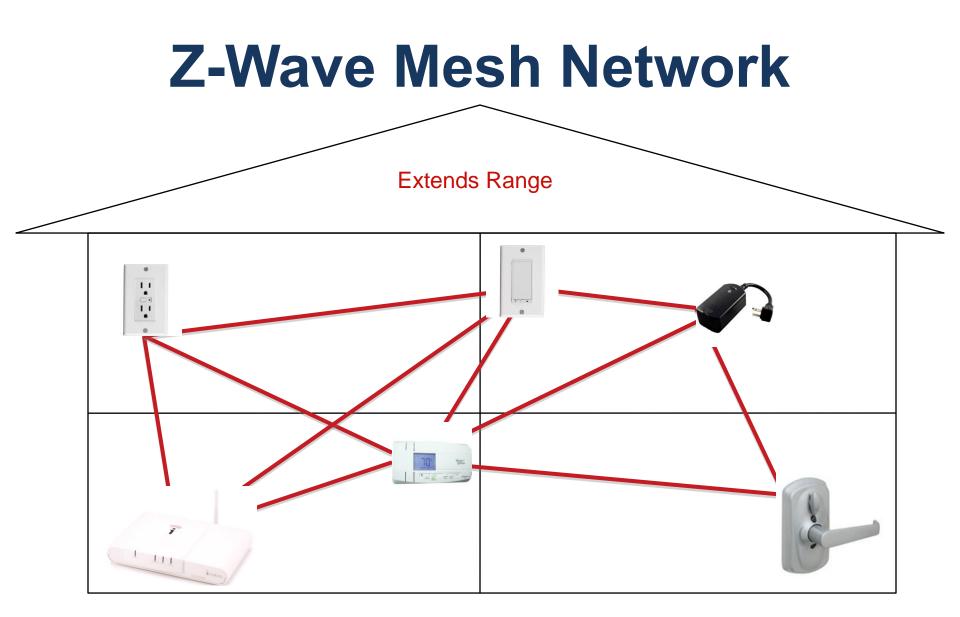






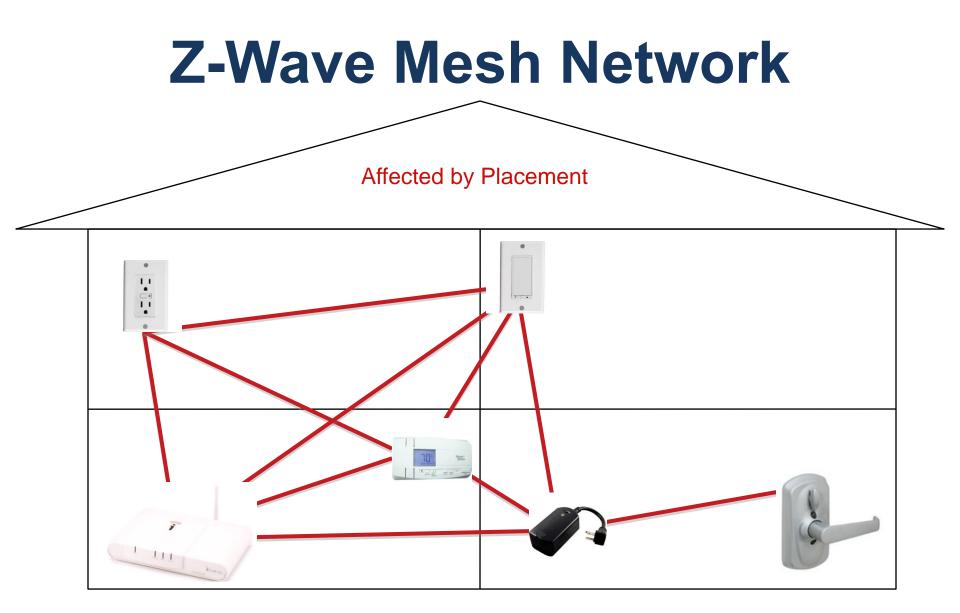






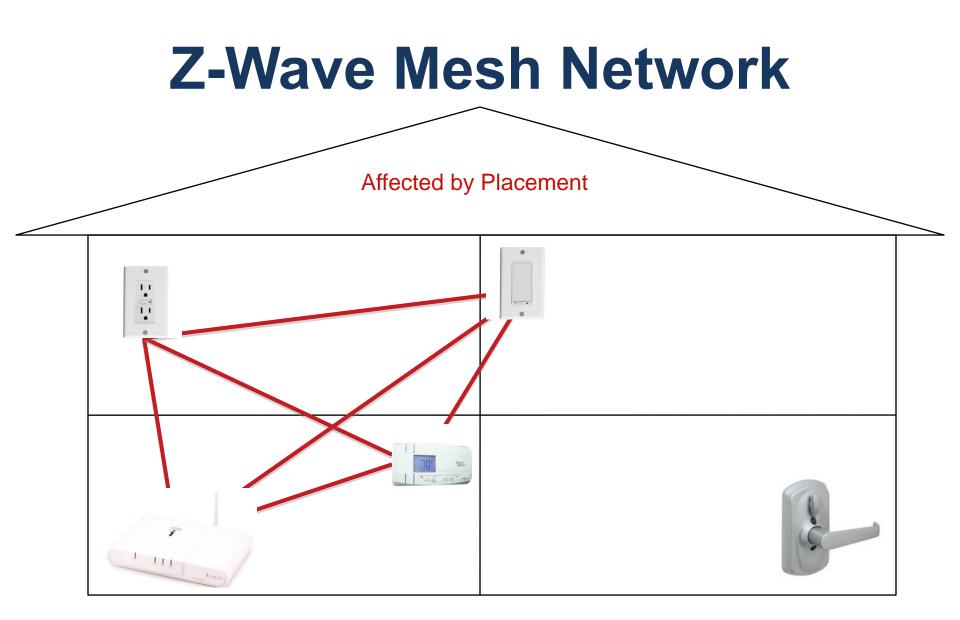
















Z-Wave: Setup and Maintenance

- Activate Devices Near Gateway
- Follow the Manage Device
 Wizard and Trigger the Learn
 Button on a Z-Wave Device
- Install Devices and then Refresh Network
- When moving or removing a device, be sure to Refresh Network
- Note: When removing a device from system, be sure to use the 'Reset' button through the Wizard





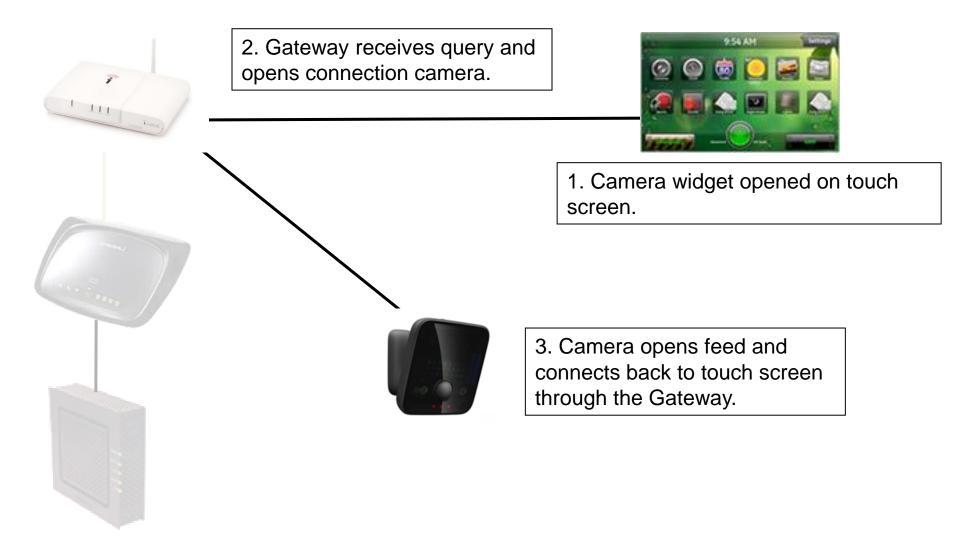






Signal Flows

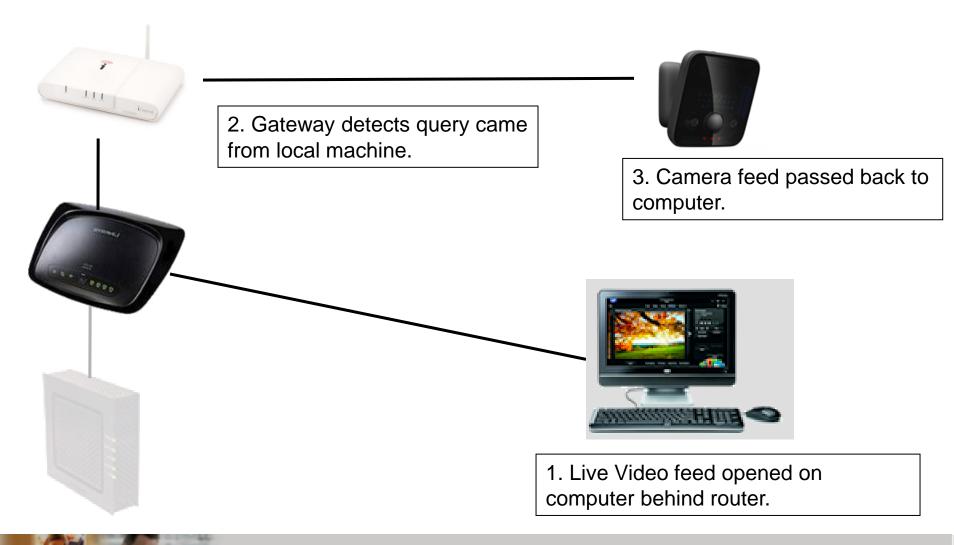
Live Video: From Touch Screen





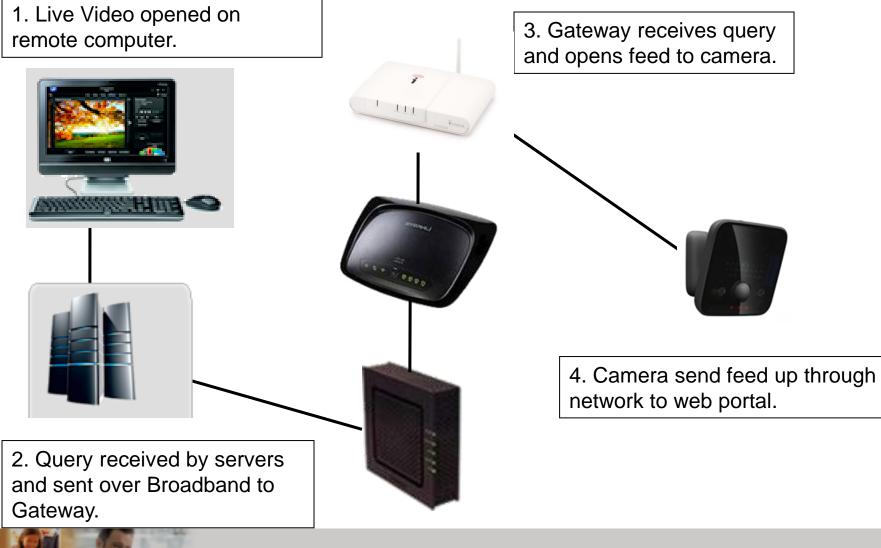


Live Video: From Local Computer



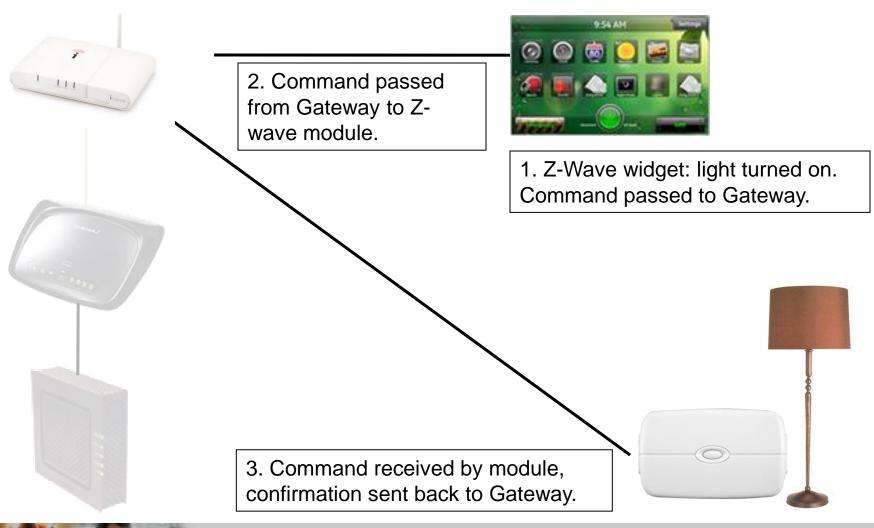


Live Video: From Remote Computer



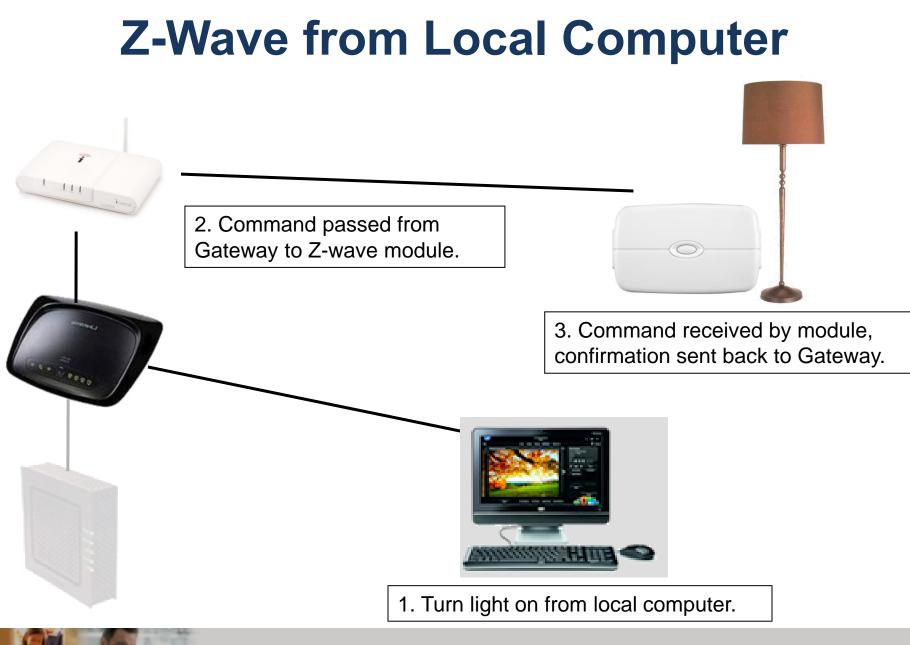


Z-Wave from Touch Screen













Z-Wave from Remote Computer

