Scale Rails DCC equipment and Wireless Throttle strategy.

Today's discussions:

1. Status of Club wireless throttles
2. Digitrax Wi-Fi server with Smartphones.
3. Wi-Fi throttles with Raspberry PI system.

Problem: Duplex throttle system has been unreliable for some time.

Status: On 3/8/2019 Lee and Tom went over the entire system again.

1. They did find one receiver that needed a Firmware update. This was completed.
2. Found that the power on sequence is key. The three UR92 receivers need time to set RA addresses before turning on the DCS100 Command Station. Wait 20 seconds.

Digitrax Wi-Fi server with Smartphones. [not enough connections]

1. Allows only four users to connect.
2. Select correct Wi-Fi network on phone.
3. You can forget SCALERAILS. No longer used except to print.
4. Run Engine Driver or Apple app.
5. Even if you close the app the Wi-Fi connection still exists.
6. When finished have the phone forget the Wi-Fi connection.
7. If you don't you block others from connecting.
8. Plus, it will automatically connect when you enter the building.

Adding more Wi-Fi connections and still use Digitrax DCC power system:

1. Tom, Lee and Robert are actively building a new Wi-Fi server based on the Raspberry PI 3B+ board. Many clubs are doing this.
2. This will allow many more Wi-Fi throttle connections.
3. The cost is about $75 for parts. Free software.

4. The Raspberry pi is up and running. Members are using the Smartphones more every day.
5. The layout is very stable with Duplex and Raspberry pi.

Expanding the DCC power:

1. Four additional DB150s were added bringing our DCC capacity to 40 amps. Each booster has current meter.