Single Point Setup Wireless Neighborhood on WAP551 and WAP561 Access Points

Objective

The Single Point Setup is used to control the wireless service across multiple devices. It is used to create a cluster of wireless devices, once the cluster is created then other wireless access points can join the cluster. After the cluster is completed all the devices share their information such as VAP settings, QoS and radio parameters to reduce interference and maximize the bandwidth of the network.

The *Wireless Neighborhood* page displays the devices that are within the range of the each radio in the cluster. It also distinguishes the devices between the cluster members and non cluster members. This article shows the neighbors of the device in the cluster on the WAP551 and WAP561 access points.

Note: To enable Single Point Setup refer article *Single Point Setup Configuration on WAP551 and WAP561 Access Points*.

Applicable Devices

- WAP551
- WAP561

Software Version

- 1.0.4.2

Wireless Neighborhood

Step 1. Log in to the web configuration utility and choose **Single Point Setup > Wireless Neighborhood**. The *Wireless Neighborhood* page opens:

Wireless Neighborhood

Refresh

The Wireless Neighborhood table shows all access points within range of any AP in the cluster. Cluster members who are also "neighbors" are shown at the top of Neighbors list and identified by a heavy bar above the Network Name. The colored bars and numbers to the right of each AP in the Neighbors list indicate signal strength for each neighboring AP. This signal strength is detected by the cluster member whose IP address is at the top of the column.

Clustered

2 Access Points

Display Neighboring APs: ○ In cluster ○ Not in cluster ● Both

Single Point Setup

Neighbors (27)	192.168.1.245 68:86:A7:FE:88:E0 (Outdoors)	192.168.1.251 68:86:A7:FE:89:A0 (Outdoors)
WAP551 new		
WAP551		
_____	100	
_____	19	

Color Keys																				
Range(%)	< 0	> 1	> 3	> 5	> 7	> 9	> 11	> 13	> 15	> 17	> 19	> 21	> 23	> 25	> 27	> 29	> 31	> 33	> 35	> 37	> 39
Color																				

Display Neighboring APs: ● In cluster ○ Not in cluster ○ Both

Single Point Setup

Neighbors (27)	192.168.1.245 68:86:A7:FE:88:E0 (Outdoors)	192.168.1.251 68:86:A7:FE:89:A0 (Outdoors)
WAP551 new		
WAP551 new		

Step 2. Click the desired radio button in the Display Neighboring APs field. The options are:

- In cluster — Only neighbors that are members in the cluster.

- Not in cluster — Neighbors that are not the members in the cluster.

- Both — All neighbors of the WAP device.

The following information is displayed:

- Cluster — The IP address and the MAC addresses of all WAP devices clustered together.

- Neighbors — Neighbors of the device.

Note: The numbers in the right hand corner of the colored boxes indicate the signal strength of the neighbor.

Color Keys																				
Range(%)	< 0	> 1	> 3	> 5	> 7	> 9	> 11	> 13	> 15	> 17	> 19	> 21	> 23	> 25	> 27	> 29	> 31	> 33	> 35	> 37	> 39
Color																				

The Color Keys table shows the signal strength for each of the neighbors. The Range(%) specifies the signal strength of all the wireless neighbors.

Step 3. (Optional) To view the new neighbors, click **Refresh**.