speco technologies

AP2PLR Manual

Scan for manual and Software downloads

Point to Point Long Range 5.8 GHz Wireless Access With Dipswitch Powered By POE

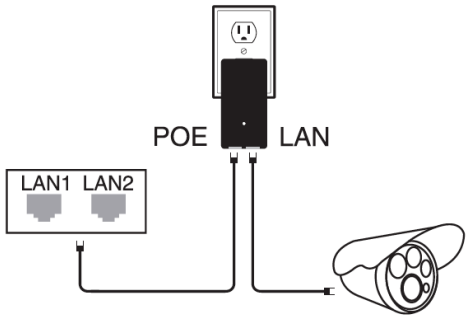
Manual | Model AP2PLR

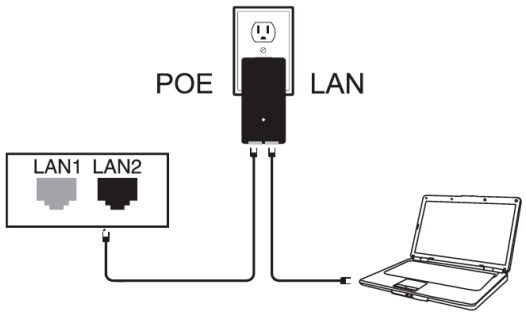
Connecting Diagram

POE Port Connect with LAN1 or LAN2 port on AP

POE LAN Connect with PC, Camera, Switch or NVR

- Both RJ45 ports(black and yellow) on AP are LAN connections.
- If you want to enter web page, you need manually bound IP address of PC.
- The PoE power adapter has 3 inputs. One is for the AC cord, and two are for networking.
- Please note the PoE adapter and power cord are not designed for outdoor use and should be installed in a location protected from the elements.

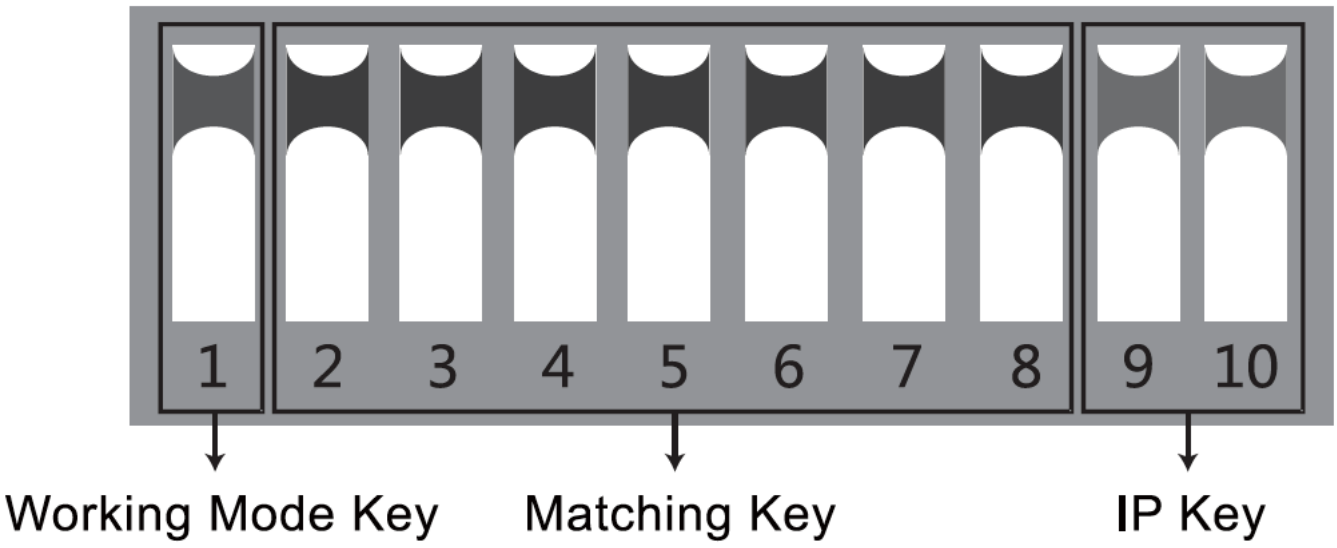




The bottom of the adapter has two RJ45 connections. One marked POE and one marked LAN.

Using one Cats cable. connect one end to “LAN” and the other end to your camera. recorder. PC. etc.

DIP Device Instructions



Button 1

Changes the mode of the device. UP is access point (AP) mode for use with your recorder, PC, etc.. DOWN is for use with your camera.

Button 2 through 8

Are for matching AP devices together. There are 128 various combinations that can be made from the 7 keys, which corresponds to 128 different SSIDs and 128 different segments. The Pages 8-15 below show all possible combinations.

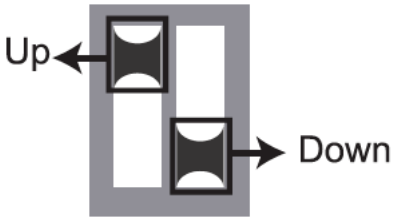
Button 9 & 10

Are for point to multi-point functionality. To use up to 4 cameras with one recorder, configure the DIP switches as follows:

On the recorder/PC/Switch side, switches 9 and 10 should remain up.

On the camera side, select one of 4 configurations for switches 9 and 10.

- **Camera 1:** 9 Down and 10 Down
- **Camera 2:** 9 Down and 10 Up
- **Camera 3:** 9 Up and 10 Down
- **Camera 4:** 9 Up and 10 Up

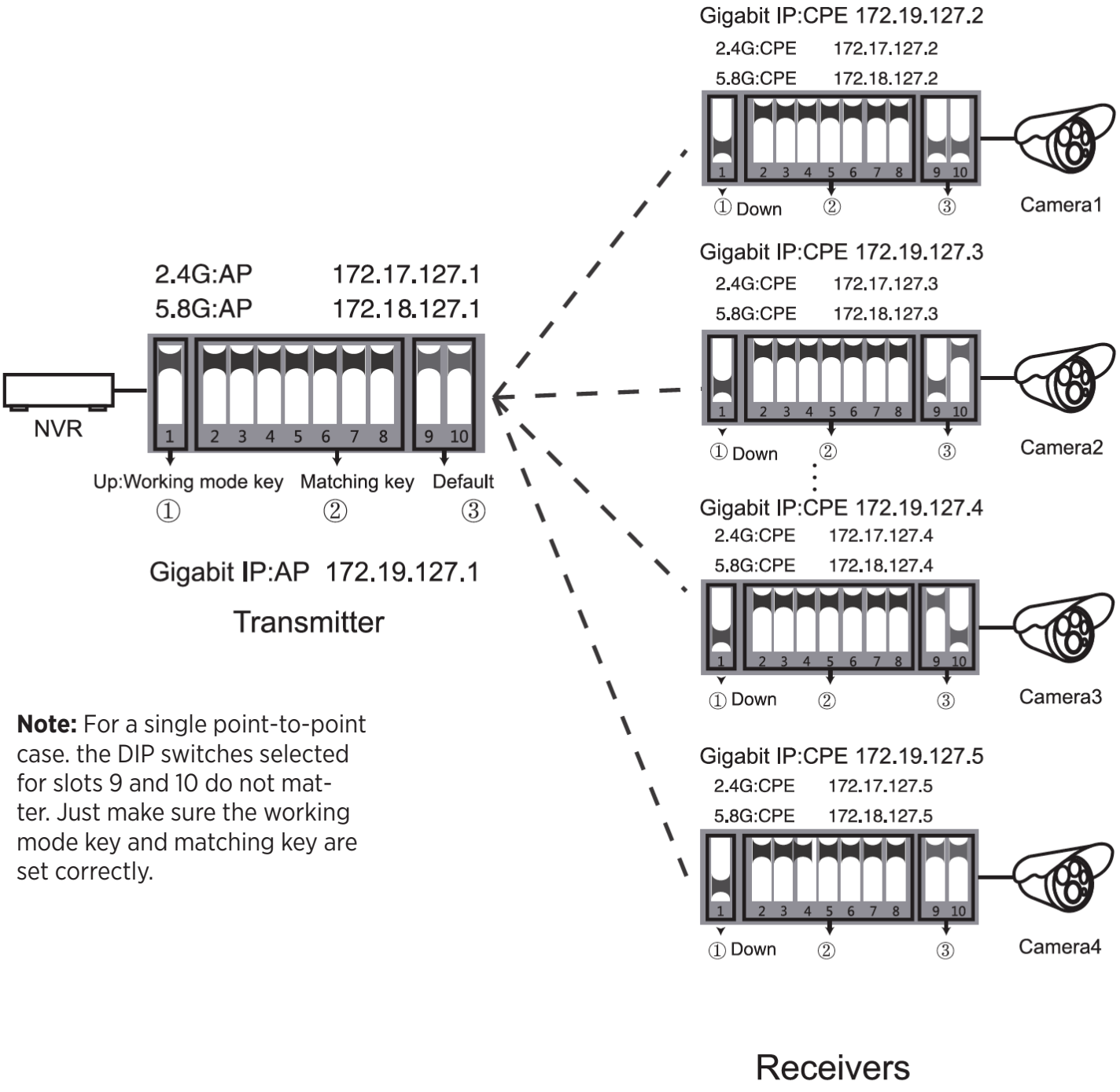


You cannot duplicate the switch settings between Cameras for switches 9 & 10 or you will experience interference, thus the max of 4 points.

Remarks:

- Restart your AP after finishing DIP settings.
- The SSID of DIP type AP defaults is not broadcast. password has been set up and can be customized.
- 3. Make sure the IP address of the camera is different from AP

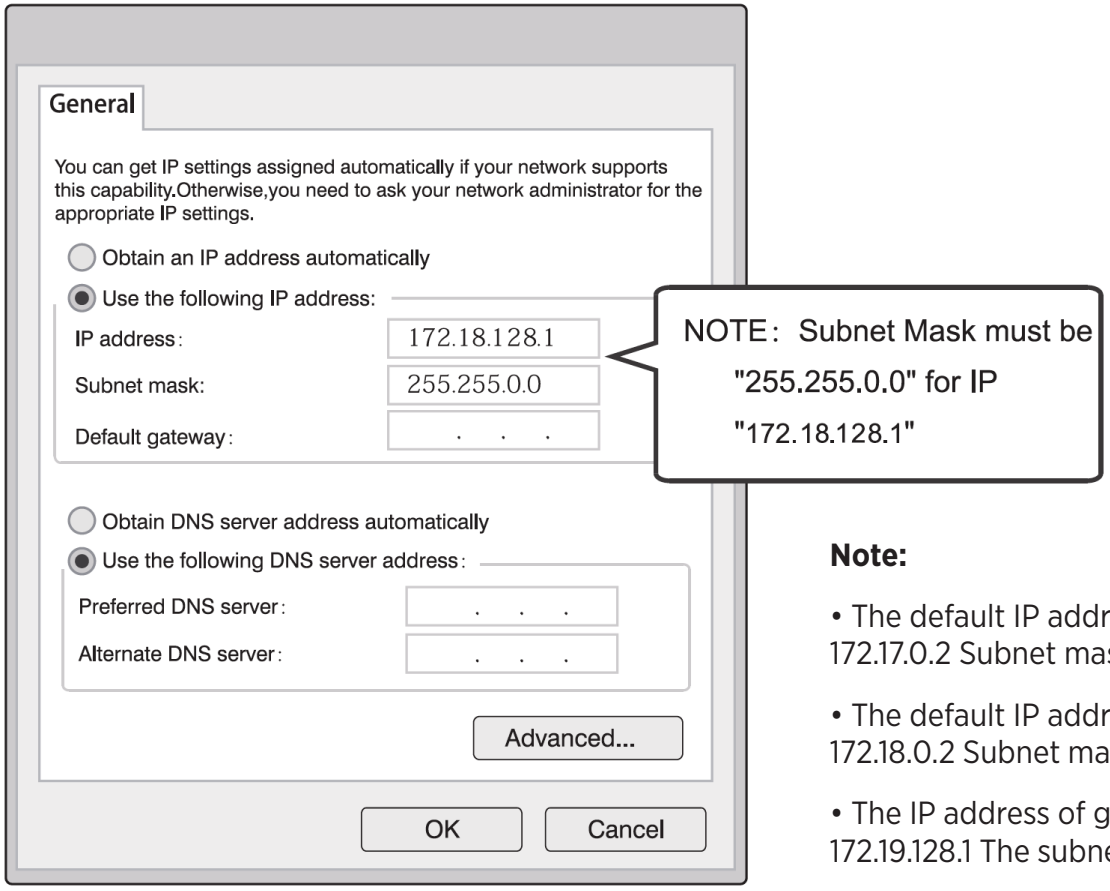
Point to multipoint, as follows



Note: For a single point-to-point case. the DIP switches selected for slots 9 and 10 do not matter. Just make sure the working mode key and matching key are set correctly.

Signal Power Setting

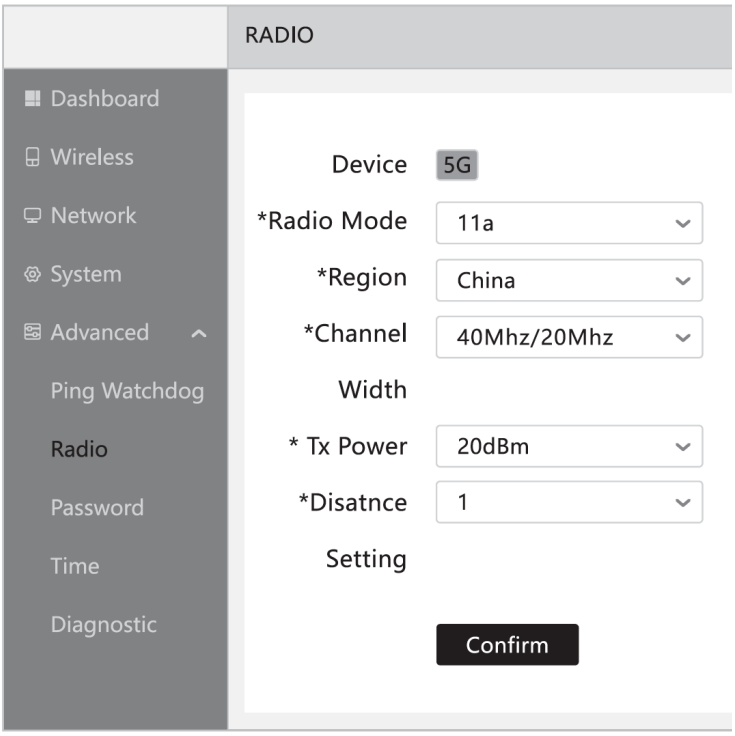
If you wish to edit the settings of your AP, instructions are immediately below. First, assign your computer a static IP address in the same range as the AP:



Note:

- The default IP address of 2.4G units is 172.17.0.2 Subnet mask is 255.255.0.0
- The default IP address of 5.8G units is 172.18.0.2 Subnet mask is 255.255.0.0
- The IP address of gigabit wireless bridge is 172.19.128.1 The subnet mask is 255.255.0.0

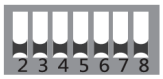
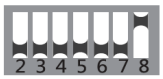
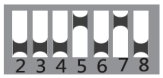
RF Configuration



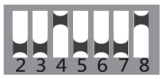
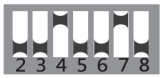
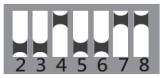
- TX Power: Default is the maximum value. when the signal strength is too strong. the transmit power should be reduced appropriately.
- Region: The default factory corresponding to the country region can be selected from different countries with the corresponding channel. Note: Select the option according to the legal range of the local country.
- Transmitting Distance: 1KM by default, you need to set it according to the actual distance. (Both transmitter and receiver need to be set. set the distance and the actual distance does not match will appear high delay, bandwidth poor situation)

128 pair DIP

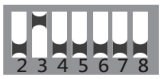
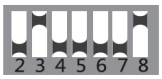
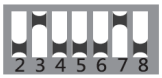
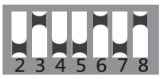
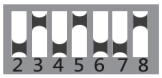
codes segment & frequency can be referred to the following chart

Group	2-8 Dial	Gigabit 5.8G IP	Mega 5.8G IP	Mega 2.4G IP
No.1		172.19.0.X	172.18.0.X	172.17.0.X
No.2		172.19.1.X	172.18.1.X	172.17.1.X
No.3		172.19.2.X	172.18.2.X	172.17.2.X
No.4		172.19.3.X	172.18.3.X	172.17.3.X
No.5		172.19.4.X	172.18.4.X	172.17.4.X
No.6		172.19.5.X	172.18.5.X	172.17.5.X
No.7		172.19.6.X	172.18.6.X	172.17.6.X
No.8		172.19.7.X	172.18.7.X	172.17.7.X
No.9		172.19.8.X	172.18.8.X	172.17.8.X
No.10		172.19.9.X	172.18.9.X	172.17.9.X
No.11		172.19.10.X	172.18.10.X	172.17.10.X
No.12		172.19.11.X	172.18.11.X	172.17.11.X
No.13		172.19.12.X	172.18.12.X	172.17.12.X
No.14		172.19.13.X	172.18.13.X	172.17.13.X
No.15		172.19.14.X	172.18.14.X	172.17.14.X
No.16		172.19.15.X	172.18.15.X	172.17.15.X

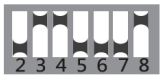
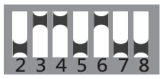
128 pair DIP codes

Group	2-8 Dial	Gigabit 5.8G IP	Mega 5.8G IP	Mega 2.4G IP
No.17		172.19.16.X	172.18.16.X	172.17.16.X
No.18		172.19.17.X	172.18.17.X	172.17.17.X
No.19		172.19.18.X	172.18.18.X	172.17.18.X
No.20		172.19.19.X	172.18.19.X	172.17.19.X
No.21		172.19.20.X	172.18.20.X	172.17.20.X
No.22		172.19.21.X	172.18.21.X	172.17.21.X
No.23		172.19.22.X	172.18.22.X	172.17.22.X
No.24		172.19.23.X	172.18.23.X	172.17.23.X
No.25		172.19.24.X	172.18.24.X	172.17.24.X
No.26		172.19.25.X	172.18.25.X	172.17.25.X
No.27		172.19.26.X	172.18.26.X	172.17.26.X
No.28		172.19.27.X	172.18.27.X	172.17.27.X
No.29		172.19.28.X	172.18.28.X	172.17.28.X
No.30		172.19.29.X	172.18.29.X	172.17.29.X
No.31		172.19.30.X	172.18.30.X	172.17.30.X
No.32		172.19.31.X	172.18.31.X	172.17.31.X

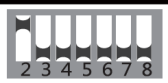
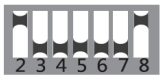
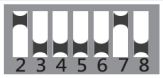
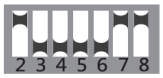
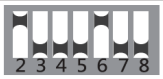
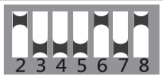
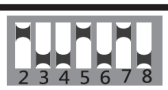
128 pair DIP codes

Group	2-8 Dial	Gigabit 5.8G IP	Mega 5.8G IP	Mega 2.4G IP
No.33		172.19.32.X	172.18.32.X	172.17.32.X
No.34		172.19.33.X	172.18.33.X	172.17.33.X
No.35		172.19.34.X	172.18.34.X	172.17.34.X
No.36		172.19.35.X	172.18.35.X	172.17.35.X
No.37		172.19.36.X	172.18.36.X	172.17.36.X
No.38		172.19.37.X	172.18.37.X	172.2.37.X
No.39		172.19.38.X	172.18.38.X	172.17.38.X
No.40		172.19.39.X	172.18.39.X	172.17.39.X
No.41		172.19.40.X	172.18.40.X	172.17.40.X
No.42		172.19.41.X	172.18.41.X	172.17.41.X
No.43		172.19.42.X	172.18.42.X	172.17.42.X
No.44		172.19.43.X	172.18.43.X	172.17.43.X
No.45		172.19.44.X	172.18.44.X	172.17.44.X
No.46		172.19.45.X	172.18.45.X	172.17.45.X
No.47		172.19.46.X	172.18.46.X	172.17.46.X
No.48		172.19.47.X	172.18.47.X	172.17.47.X

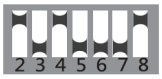
128 pair DIP codes

Group	2-8 Dial	Gigabit 5.8G IP	Mega 5.8G IP	Mega 2.4G IP
No.49		172.19.48.X	172.18.48.X	172.17.48.X
No.50		172.19.49.X	172.18.49.X	172.17.49.X
No.51		172.19.50.X	172.18.50.X	172.17.50.X
No.52		172.19.51.X	172.18.51.X	172.17.51.X
No.53		172.19.52.X	172.18.52.X	172.17.52.X
No.54		172.19.53.X	172.18.53.X	172.17.53.X
No.55		172.19.54.X	172.18.54.X	172.17.54.X
No.56		172.19.55.X	172.18.55.X	172.17.55.X
No.57		172.19.56.X	172.18.56.X	172.17.56.X
No.58		172.19.57.X	172.18.57.X	172.17.57.X
No.59		172.19.58.X	172.18.58.X	172.17.58.X
No.60		172.19.59.X	172.18.59.X	172.17.59.X
No.61		172.19.60.X	172.18.60.X	172.17.60.X
No.62		172.19.61.X	172.18.61.X	172.17.61.X
No.63		172.19.62.X	172.18.62.X	172.17.62.X
No.64		172.19.63.X	172.18.63.X	172.17.63.X

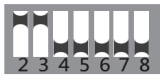
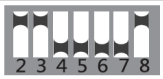
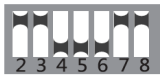
128 pair DIP codes

Group	2-8 Dial	Gigabit 5.8G IP	Mega 5.8G IP	Mega 2.4G IP
No.65		172.19.64.X	172.18.64.X	172.17.64.X
No.66		172.19.65.X	172.18.65.X	172.17.65.X
No.67		172.19.66.X	172.18.66.X	172.17.66.X
No.68		172.19.67.X	172.18.67.X	172.17.67.X
No.69		172.19.68.X	172.18.68.X	172.17.68.X
No.70		172.19.69.X	172.18.69.X	172.17.69.X
No.71		172.19.70.X	172.18.70.X	172.17.70.X
No.72		172.19.71.X	172.18.71.X	172.17.71.X
No.73		172.19.72.X	172.18.72.X	172.17.72.X
No.74		172.19.73.X	172.18.73.X	172.17.73.X
No.75		172.19.74.X	172.18.74.X	172.17.74.X
No.76		172.19.75.X	172.18.75.X	172.17.75.X
No.77		172.19.76.X	172.18.76.X	172.17.76.X
No.78		172.19.77.X	172.18.77.X	172.17.77.X
No.79		172.19.78.X	172.18.78.X	172.17.78.X
No.80		172.19.79.X	172.18.79.X	172.17.79.X

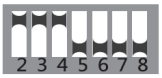
128 pair DIP codes

Group	2-8 Dial	Gigabit 5.8G IP	Mega 5.8G IP	Mega 2.4G IP
No.81		172.19.80.X	172.18.80.X	172.17.80.X
No.82		172.19.81.X	172.18.81.X	172.17.81.X
No.83		172.19.82.X	172.18.82.X	172.17.82.X
No.84		172.19.83.X	172.18.83.X	172.17.83.X
No.85		172.19.84.X	172.18.84.X	172.17.84.X
No.86		172.19.85.X	172.18.85.X	172.17.85.X
No.87		172.19.86.X	172.18.86.X	172.17.86.X
No.88		172.19.87.X	172.18.87.X	172.17.87.X
No.89		172.19.88.X	172.18.88.X	172.17.88.X
No.90		172.19.89.X	172.18.89.X	172.17.89.X
No.91		172.19.90.X	172.18.90.X	172.17.90.X
No.92		172.19.91.X	172.18.91.X	172.17.91.X
No.93		172.19.92.X	172.18.92.X	172.17.92.X
No.94		172.19.93.X	172.18.93.X	172.17.93.X
No.95		172.19.94.X	172.18.94.X	172.17.94.X
No.96		172.19.95.X	172.18.95.X	172.17.95.X

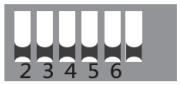
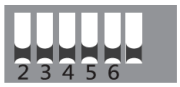
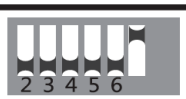
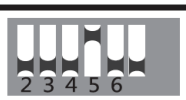
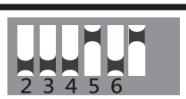
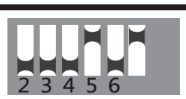
128 pair DIP codes

Group	2-8 Dial	Gigabit 5.8G IP	Mega 5.8G IP	Mega 2.4G IP
No.97		172.19.96.X	172.18.96.X	172.17.96.X
No.98		172.19.97.X	172.18.97.X	172.17.97.X
No.99		172.19.98.X	172.18.98.X	172.17.98.X
No.100		172.19.99.X	172.18.99.X	172.17.99.X
No.101		172.19.100.X	172.18.100.X	172.17.100.X
No.102		172.19.101.X	172.18.101.X	172.17.101.X
No.103		172.19.102.X	172.18.102.X	172.17.102.X
No.104		172.19.103.X	172.18.103.X	172.17.103.X
No.105		172.19.104.X	172.18.104.X	172.17.104.X
No.106		172.19.105.X	172.18.105.X	172.17.105.X
No.107		172.19.106.X	172.18.106.X	172.17.106.X
No.108		172.19.107.X	172.18.107.X	172.17.107.X
No.109		172.19.108.X	172.18.108.X	172.17.108.X
No.110		172.19.109.X	172.18.109.X	172.17.109.X
No.111		172.19.110.X	172.18.110.X	172.17.110.X
No.112		172.19.111.X	172.18.111.X	172.17.111.X

128 pair DIP codes

Group	2-8 Dial	Gigabit 5.8G IP	Mega 5.8G IP	Mega 2.4G IP
No.113		172.19.112.X	172.18.112.X	172.17.112.X
No.114		172.19.113.X	172.18.113.X	172.17.113.X
No.115		172.19.114.X	172.18.114.X	172.17.114.X
No.116		172.19.115.X	172.18.115.X	172.17.115.X
No.117		172.19.116.X	172.18.116.X	172.17.116.X
No.118		172.19.117.X	172.18.117.X	172.17.117.X
No.119		172.19.118.X	172.18.118.X	172.17.118.X
No.120		172.19.119.X	172.18.119.X	172.17.119.X
No.121		172.19.120.X	172.18.120.X	172.17.120.X
No.122		172.19.121.X	172.18.121.X	172.17.121.X
No.123		172.19.122.X	172.18.122.X	172.17.122.X
No.124		172.19.123.X	172.18.123.X	172.17.123.X
No.125		172.19.124.X	172.18.124.X	172.17.124.X
No.126		172.19.125.X	172.18.125.X	172.17.125.X
No.127		172.19.126.X	172.18.126.X	172.17.126.X
No.128		172.19.127.X	172.18.127.X	172.17.127.X

128 pair DIP codes

Group	2-8 Dial	Gigabit 5.8G IP	Mega 5.8G IP	Mega 5.8Ghz Frequency	Mega 2.4G IP	Mega 2.4Ghz Frequency
No.1		172.19.0.X	172.18.0.X	5180	172.17.0.X	2412
No.2		172.19.1.X	172.18.1.X	5200	172.17.1.X	2417
No.3		172.19.2.X	172.18.2.X	5220	172.17.2.X	2422
No.4		172.19.3.X	172.18.3.X	5240	172.17.3.X	2427
No.5		172.19.4.X	172.18.4.X	5745	172.17.4.X	2432
No.6		172.19.5.X	172.18.5.X	5765	172.17.5.X	2437
No.7		172.19.6.X	172.18.6.X	5785	172.17.6.X	2442
No.8		172.19.7.X	172.18.7.X	5805	172.17.7.X	2447
No.9		172.19.8.X	172.18.8.X	5825	172.17.8.X	2452
No.10		172.19.9.X	172.18.9.X	5180	172.17.9.X	2457
No.11		172.19.10.X	172.18.10.X	5200	172.17.10.X	2462
No.12		172.19.11.X	172.18.11.X	5220	172.17.11.X	2467
No.13		172.19.12.X	172.18.12.X	5240	172.17.12.X	2472
No.14		172.19.13.X	172.18.13.X	5745	172.17.13.X	2412