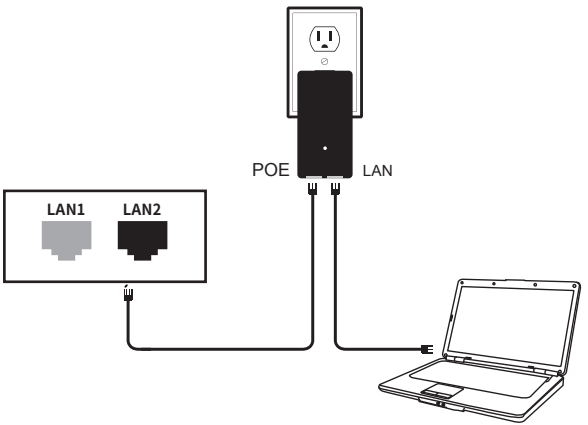
Manual

Product Name: Wireless AP/CPE/Access Point/Bridge

Model: DIP9526K-H

Connecting diagram **Gigabit**



POE Port connect with any port of AP

POE LAN port connect with PC(Switch or NVR)

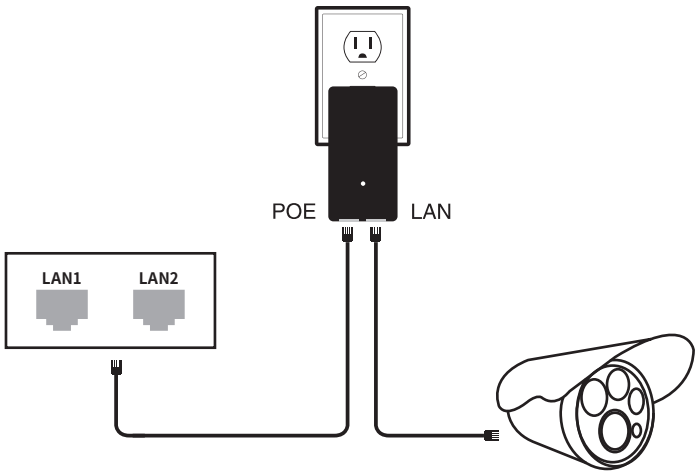
NOTE: 1.Both RJ45 ports(black and yellow) on AP are LAN connections.

2.If you want to enter web page, you need manually bound IP address of PC

3.The PoE power adapter has 3 inputs. One is for the AC cord, and two are for networking.

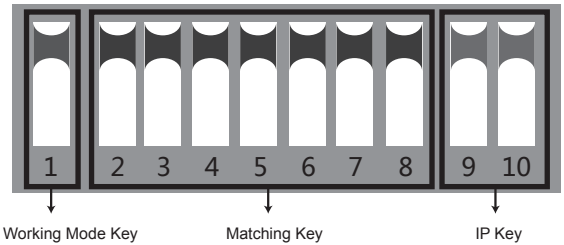
4.Please note the PoE adapter and power cord are not designed for outdoor use and should be used indoors only.

Connecting diagram PoE Power



The bottom of the adapter has two RJ45 connections. One marked POE and one marked LAN.
Using one CAT5 cable(Network cable) , connect one end to ”LAN” and the other end to your camera,recorder, PC, etc.

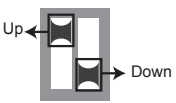
DIP device instructions



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 shows all possible combinations.

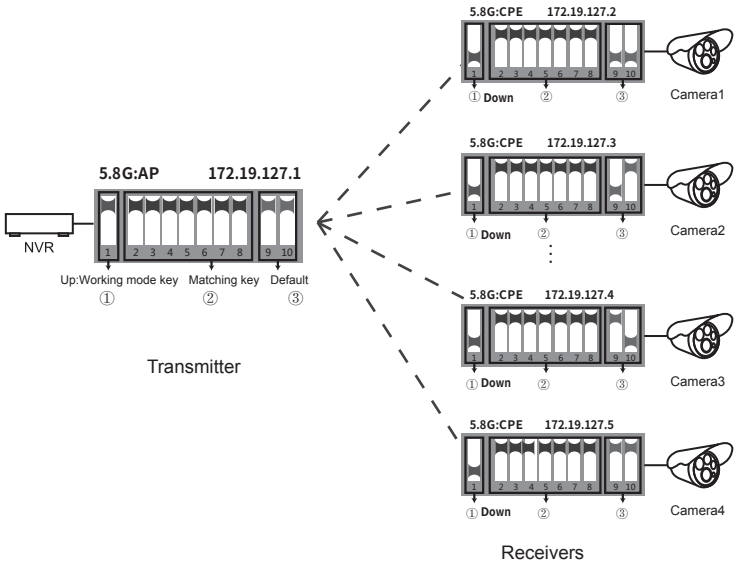
Button 9 & 10 are for point to multi-point functionality. To use up to 4 cameras with one recorder, configure the DIP switches as follows:
1.On the recorder/PC/Switch side, switches 9 and 10 should remain up.
2.On the camera side, select one of 4 configurations for switches 9 and 10:
a.Camera 1: 9 Down and 10 Down
b.Camera 2: 9 Down and 10 Up
c.Camera 3: 9 Up and 10 Down
d.Camera 4: 9 Up and 10 Up



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

Remarks：
1.Turn off the AP power before setting the button.
2.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

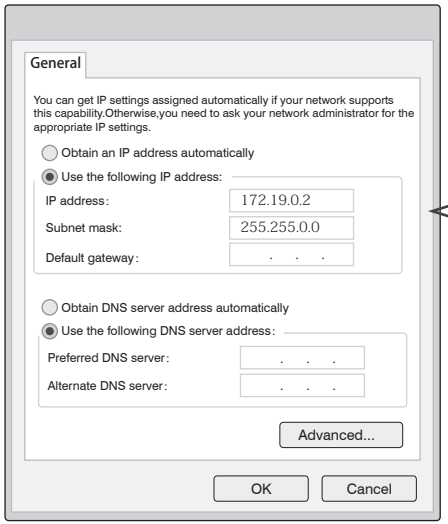
The specific operation for setting management



NOTE: For the point-to-point case, either of the four camera options above is available. Make sure the working mode key and matching Key are set right.

Signal power setting

Step 1 Manual disposes static IP address， as it's shown in figure1 (type corresponding device IP address at browser, default password: password)



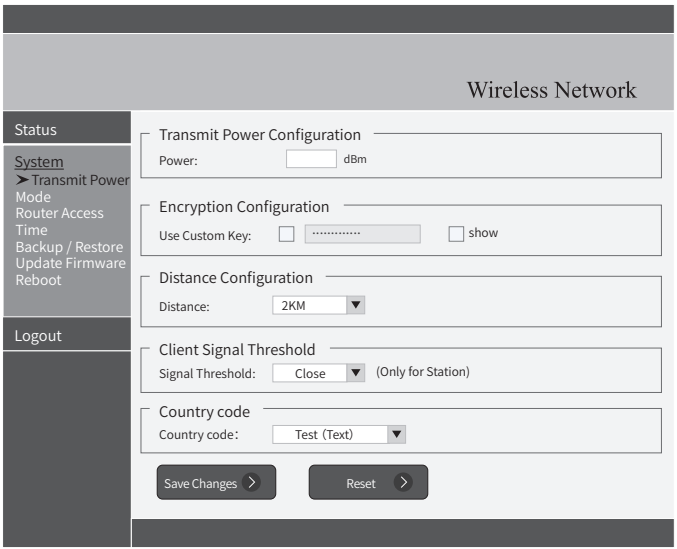
NOTE：Subnet Mask must be "255.255.0.0" for IP "172.19.0.2"

（picture 1）

NOTE：The bound IP address of 5.8G is 172.19.0.2
Subnet mask is 255.255.0.0

Signal power setting

Step 2 Type the IP address of corresponding AP device in IE browser to get into the WEP page, the default password is “password”. Signal power can be set after logging.



Transmit Power Configuration: The default is the maximum value, the transmit power should be reduced appropriately when the signal is too strong.

Encryption Configuration: Customized key can be used for security. (The same key should be set in the transmitter and receiver.)

Distance Configuration: Default value is two kilometers, it should be set according to practical situation. (The same distance value should be set in the transmitter and receiver. If not, it will lead to high latency, low bandwidth network connection.)

Country code: In text (manual) mode, the channels are determined by the the dial-up button. It is automatically selected in other modes.

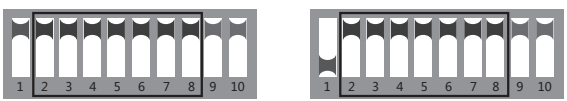
Q&A

Q1: What should be noted when setting the AP button?
A1: Make sure the power is off.

Q2: How dose the AP work without power supply?
A2: The AP gets the power via the cable. It is called POE. Two cables are needed for the connection. STP CAT5e cable is strongly recommended for this case.

Q3: How long the POE cable can be?
A3: The length of the cable depends on the power voltage and cable quality. For 24V power, the length of the cable can be 40 meters, while 10-20 meters for 12V power.

Q4: Why the signal light does not work after switching the button?
A4: Please turn off the AP power first. It is recommended to do the troubleshooting test as below. For the transmitter, keep the button from “1” to “10” UP. For the receiver, keep the button “1” DOWN, and the button from “2” to “10” UP. After finishing, turn on the power and wait for three minutes. The distance between the transmitter and the receiver should be more than 2 meters.

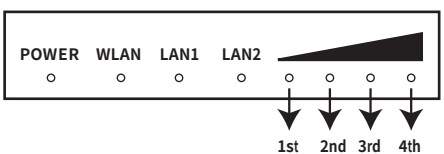


Q5: Why the local network connection is choppy after the AP installation?
A5: Shoot the trouble with below methods:
1. Change the cable to see if it is a cable problem
2. Change the wireless channel to avoid the signal interference.

Q6: How to log in the WEP page?
A6: Set the computer with static IP address as shown in Page 4-5, and type the IP address of the corresponding device in IE browser.

Q7: After the connection of the AP and NVR, why the IP address of the camera can be found but no video available on the monitor?
A7: Connect the adapter which links to the NVR with the yellow LAN port of the AP.

Q8: The status of signal light
A8: Red: PWR: The power light. It will work when power is on.
Blue: WLAN: WIFI signal light. It will strobe when working.
LAN1,LAN2: The LAN1/LAN2 light. It will be on when working.
Orange: Wireless signal light from 1st - 4th
1st light on: the signal is too weak.
1st , 2nd lights on: signal is weak.
1st, 2nd, 3rd lights on: the signal is regular.
ONLY the 4th light on: the signal is too strong.
If four lights are on, the signal is in the best condition



Q9:How to reset the device?
A9:Long press the RST button for 6 seconds in the state of power-on.

The dial-up code corresponding to the text (manual) mode, the network segment and frequency can refer to the following table.

Group	2-8 Dial	IP segment	Frequency
No.1		172.19.0.X	5180
No.2		172.19.1.X	5200
No.3		172.19.2.X	5220
No.4		172.19.3.X	5240
No.5		172.19.4.X	Disable for users
No.6		172.19.5.X	Disable for users
No.7		172.19.6.X	Disable for users
No.8		172.19.7.X	Disable for users
No.9		172.19.8.X	Disable for users
No.10		172.19.9.X	Disable for users
No.11		172.19.10.X	Disable for users
No.12		172.19.11.X	Disable for users
No.13		172.19.12.X	Disable for users
No.14		172.19.13.X	Disable for users
No.15		172.19.14.X	Disable for users
No.16		172.19.15.X	Disable for users

Ps: The shadow marks are the national standard frequencies, and the remaining frequencies are only for testing. (X is the last IP address)

Group	2-8 Dial	IP segment	Frequency
No.17		172.19.16.X	Disable for users
No.18		172.19.17.X	Disable for users
No.19		172.19.18.X	Disable for users
No.20		172.19.19.X	Disable for users
No.21		172.19.20.X	5745
No.22		172.19.21.X	5765
No.23		172.19.22.X	5785
No.24		172.19.23.X	5805
No.25		172.19.24.X	Disable for users
No.26		172.19.25.X	5180
No.27		172.19.26.X	5200
No.28		172.19.27.X	5220
No.29		172.19.28.X	5240
No.30		172.19.29.X	Disable for users
No.31		172.19.30.X	Disable for users
No.32		172.19.31.X	Disable for users

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Group	2-8 Dial	IP segment	Frequency
No.33		172.19.32.X	Disable for users
No.34		172.19.33.X	Disable for users
No.35		172.19.34.X	Disable for users
No.36		172.19.35.X	Disable for users
No.37		172.19.36.X	Disable for users
No.38		172.19.37.X	Disable for users
No.39		172.19.38.X	Disable for users
No.40		172.19.39.X	Disable for users
No.41		172.19.40.X	Disable for users
No.42		172.19.41.X	Disable for users
No.43		172.19.42.X	Disable for users
No.44		172.19.43.X	Disable for users
No.45		172.19.44.X	Disable for users
No.46		172.19.45.X	5745
No.47		172.19.46.X	5765
No.48		172.19.47.X	5785

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Group	2-8 Dial	IP segment	Frequency
No.49		172.19.48.X	5805
No.50		172.19.49.X	Disable for users
No.51		172.19.50.X	5180
No.52		172.19.51.X	5200
No.53		172.19.52.X	5220
No.54		172.19.53.X	5240
No.55		172.19.54.X	Disable for users
No.56		172.19.55.X	Disable for users
No.57		172.19.56.X	Disable for users
No.58		172.19.57.X	Disable for users
No.59		172.19.58.X	Disable for users
No.60		172.19.59.X	Disable for users
No.61		172.19.60.X	Disable for users
No.62		172.19.61.X	Disable for users
No.63		172.19.62.X	Disable for users
No.64		172.19.63.X	Disable for users

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Group	2-8 Dial	IP segment	Frequency
No.65		172.19.64.X	Disable for users
No.66		172.19.65.X	Disable for users
No.67		172.19.66.X	Disable for users
No.68		172.19.67.X	Disable for users
No.69		172.19.68.X	Disable for users
No.70		172.19.69.X	Disable for users
No.71		172.19.70.X	5745
No.72		172.19.71.X	5765
No.73		172.19.72.X	5785
No.74		172.19.73.X	5805
No.75		172.19.74.X	Disable for users
No.76		172.19.75.X	5180
No.77		172.19.76.X	5200
No.78		172.19.77.X	5220
No.79		172.19.78.X	5240
No.80		172.19.79.X	Disable for users

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Group	2-8 Dial	IP segment	Frequency
No.81		172.19.80.X	Disable for users
No.82		172.19.81.X	Disable for users
No.83		172.19.82.X	Disable for users
No.84		172.19.83.X	Disable for users
No.85		172.19.84.X	Disable for users
No.86		172.19.85.X	Disable for users
No.87		172.19.86.X	Disable for users
No.88		172.19.87.X	Disable for users
No.89		172.19.88.X	Disable for users
No.90		172.19.89.X	Disable for users
No.91		172.19.90.X	Disable for users
No.92		172.19.91.X	Disable for users
No.93		172.19.92.X	Disable for users
No.94		172.19.93.X	Disable for users
No.95		172.19.94.X	Disable for users
No.96		172.19.95.X	5745

Ps: The shadow marks are the national standard frequencies, and the remaining frequencies are only for testing. (X is the last IP address)

Group	2-8 Dial	IP segment	Frequency
No.97		172.19.96.X	5765
No.98		172.19.97.X	5785
No.99		172.19.98.X	5805
No.100		172.19.99.X	Disable for users
No.101		172.19.100.X	5180
No.102		172.19.101.X	5200
No.103		172.19.102.X	5220
No.104		172.19.103.X	5240
No.105		172.19.104.X	Disable for users
No.106		172.19.105.X	Disable for users
No.107		172.19.106.X	Disable for users
No.108		172.19.107.X	Disable for users
No.109		172.19.108.X	Disable for users
No.110		172.19.109.X	Disable for users
No.111		172.19.110.X	Disable for users
No.112		172.19.111.X	Disable for users

Ps: The shadow marks are the national standard frequencies, and the remaining frequencies are only for testing. (X is the last IP address)

Group	2-8 Dial	IP segment	Frequency
No.113		172.19.112.X	Disable for users
No.114		172.19.113.X	Disable for users
No.115		172.19.114.X	Disable for users
No.116		172.19.115.X	Disable for users
No.117		172.19.116.X	Disable for users
No.118		172.19.117.X	Disable for users
No.119		172.19.118.X	Disable for users
No.120		172.19.119.X	Disable for users
No.121		172.19.120.X	5745
No.122		172.19.121.X	5765
No.123		172.19.122.X	5785
No.124		172.19.123.X	5805
No.125		172.19.124.X	Disable for users
No.126		172.19.125.X	5180
No.127		172.19.126.X	5200
No.128		172.19.127.X	5220

FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any inte rference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interferenceto radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
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- Consult the dealer or an experienced radio/TV technician for help important announcemen

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

ISED Statement

- English: This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) This device may not cause interference, a nd (2) This device must accept any interference, including interference that may cause undesired operation of the device. The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).

- French: Le présentappareilestconforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitationestautorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareildoit accepter tout brouillageradi oélectriquesubi, mêmesi le brouillageest susceptible d'encompromettre le fonctionnement.

This radio transmitter (ISED certification number: 24002-TODAAIRAC) has been approved by Industry Canada to operate with the antenna types listed with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio (ISED certification number: 24002-TODAAIRAC) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

Radiation Exposure Statement

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé. Cet équipement doit être installé et utilisé à distance minimum de 20cm entre le radiateur et votre corps.