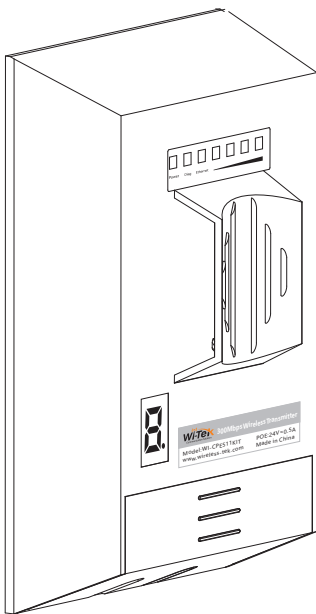




Plug and Play Installation

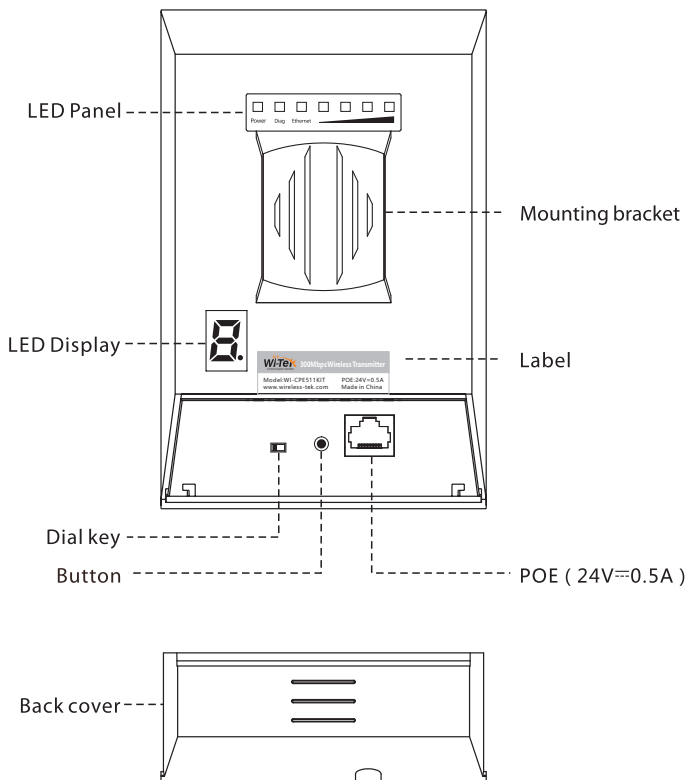
LED Display Wireless Transmitter for CCTV

2.4Ghz, 5Ghz, 300Mbps, MIMO, IP65

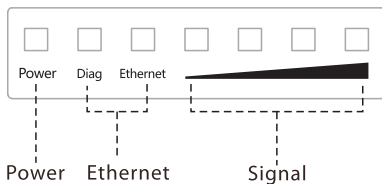


User Guide

Hardware Overview



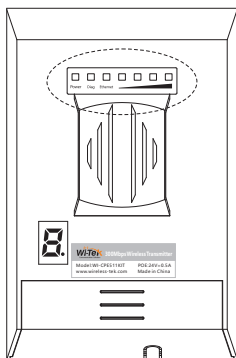
Status



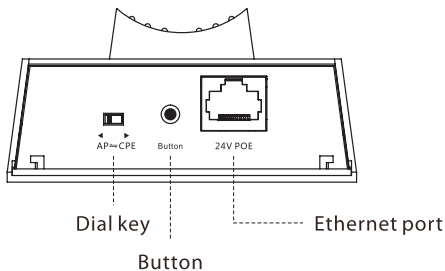
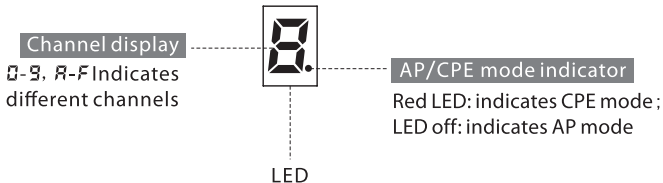
Power Off: Power Off
Green: Power On

Ethernet Off: No Link
Green: Link Established
Green Flashing: Link Activity

Signal AP mode: The 1st LED on;
CPE mode: 4 lights are completely off when no connection.
After correlation, the signal is stronger, the more LEDs will be turned on.



LED, Dial key, Button Description




- ① Dial Key: Dialing to left indicates AP mode, the LED in the right corner will be off;
Dialing to right indicates CPE mode, the LED in the right corner will be on;
- ② Button: 1st Function: Press button in short time, LED number adds one and software changes working frequency at the same time.
2nd Function: Press button over 10s, device will reset.
3rd Function: No operation for a long time, LED will be off automatically. Touching button will awake LED.



2.4G Device LED channel display description


LED	Channel	Freq.	SSID	Password
0	1	2412	DIGIT-DISPLAY-NUM-0	DIGIT-DISPLAY-PSK-0
1	14	2484	DIGIT-DISPLAY-NUM-1	DIGIT-DISPLAY-PSK-1
2	5	2432	DIGIT-DISPLAY-NUM-2	DIGIT-DISPLAY-PSK-2
3	9	2452	DIGIT-DISPLAY-NUM-3	DIGIT-DISPLAY-PSK-3
4	13	2472	DIGIT-DISPLAY-NUM-4	DIGIT-DISPLAY-PSK-4
5	3	2422	DIGIT-DISPLAY-NUM-5	DIGIT-DISPLAY-PSK-5
6	7	2442	DIGIT-DISPLAY-NUM-6	DIGIT-DISPLAY-PSK-6
7	11	2462	DIGIT-DISPLAY-NUM-7	DIGIT-DISPLAY-PSK-7
8	2	2417	DIGIT-DISPLAY-NUM-8	DIGIT-DISPLAY-PSK-8
9	6	2437	DIGIT-DISPLAY-NUM-9	DIGIT-DISPLAY-PSK-9
A	15	2512	DIGIT-DISPLAY-NUM-A	DIGIT-DISPLAY-PSK-A
b	19	2532	DIGIT-DISPLAY-NUM-B	DIGIT-DISPLAY-PSK-B
C	77	2492	DIGIT-DISPLAY-NUM-C	DIGIT-DISPLAY-PSK-C
d	237	2312	DIGIT-DISPLAY-NUM-D	DIGIT-DISPLAY-PSK-D
E	255	2402	DIGIT-DISPLAY-NUM-E	DIGIT-DISPLAY-PSK-E
F	251	2382	DIGIT-DISPLAY-NUM-F	DIGIT-DISPLAY-PSK-F

 **Tips:** Users can find the IP address of the device through the discovery tool provided by our company. Enter the user name and password, enter the page, turn off the LED display function, the Dial Key and Button will automatically expire. Users can configure the bridge through the page.(Ref.Page 10)



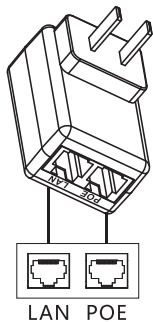
5.8G Device LED channel display description

LED	Channel	Freq.	SSID	Password
0	44	5220	DIGIT-DISPLAY-NUM-0	DIGIT-DISPLAY-PSK-0
1	60	5300	DIGIT-DISPLAY-NUM-1	DIGIT-DISPLAY-PSK-1
2	64	5320	DIGIT-DISPLAY-NUM-2	DIGIT-DISPLAY-PSK-2
3	68	5340	DIGIT-DISPLAY-NUM-3	DIGIT-DISPLAY-PSK-3
4	72	5360	DIGIT-DISPLAY-NUM-4	DIGIT-DISPLAY-PSK-4
5	76	5380	DIGIT-DISPLAY-NUM-5	DIGIT-DISPLAY-PSK-5
6	80	5400	DIGIT-DISPLAY-NUM-6	DIGIT-DISPLAY-PSK-6
7	84	5420	DIGIT-DISPLAY-NUM-7	DIGIT-DISPLAY-PSK-7
8	88	5440	DIGIT-DISPLAY-NUM-8	DIGIT-DISPLAY-PSK-8
9	92	5460	DIGIT-DISPLAY-NUM-9	DIGIT-DISPLAY-PSK-9
A	96	5480	DIGIT-DISPLAY-NUM-A	DIGIT-DISPLAY-PSK-A
b	100	5500	DIGIT-DISPLAY-NUM-B	DIGIT-DISPLAY-PSK-B
C	104	5520	DIGIT-DISPLAY-NUM-C	DIGIT-DISPLAY-PSK-C
d	108	5540	DIGIT-DISPLAY-NUM-D	DIGIT-DISPLAY-PSK-D
E	132	5660	DIGIT-DISPLAY-NUM-E	DIGIT-DISPLAY-PSK-E
F	136	5680	DIGIT-DISPLAY-NUM-F	DIGIT-DISPLAY-PSK-F

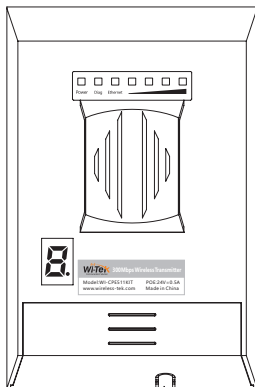
 **Tip:** Users can find the IP address of the device through the discovery tool provided by our company. Enter the user name and password, enter the page, turn off the LED display function, the Dial Key and Button will automatically expire. Users can configure the bridge through the page.(Ref.Page 10)

Hardware connection diagram

POE Adapter





Wireless Bridge



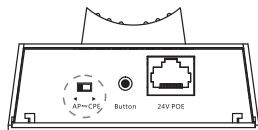
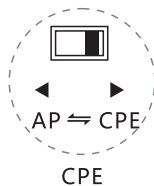
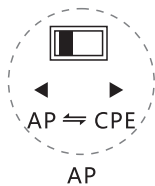
Laptop,Switch,NVR etc.

Two versions available

Appearance		
Product code	WI-CPE111-KIT	WI-CPE511-KIT
CPU	QCA9531	AR9342
Size of RAM	64MB	
Storage	8MB	
10/100 Ethernet ports	1	
Wireless bands	2.4GHz	5.8GHz
Protocols	802.11b/g/n	802.11a/n
Output power	20dBm	23dBm
Antenna gain	8dBi	16dBi
Antenna beamwidth	60°	
PoE in	24V, 0.5A	
Dimensions	160*105*52mm	
Weight	0.21kg	
Operating temperature	-40°C to 70°C	
Max Power consumption	4 W	6 W

PTP Setting

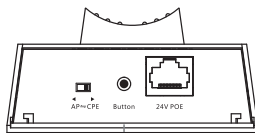
1. Set one wireless bridge to **AP**, and another to **CPE**;



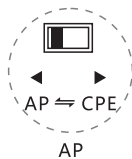
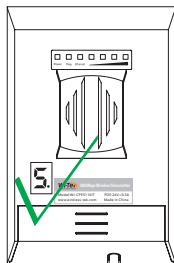
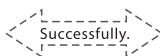
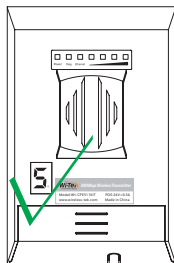
2. Set the paired bridge to the same number to match successfully.



Control

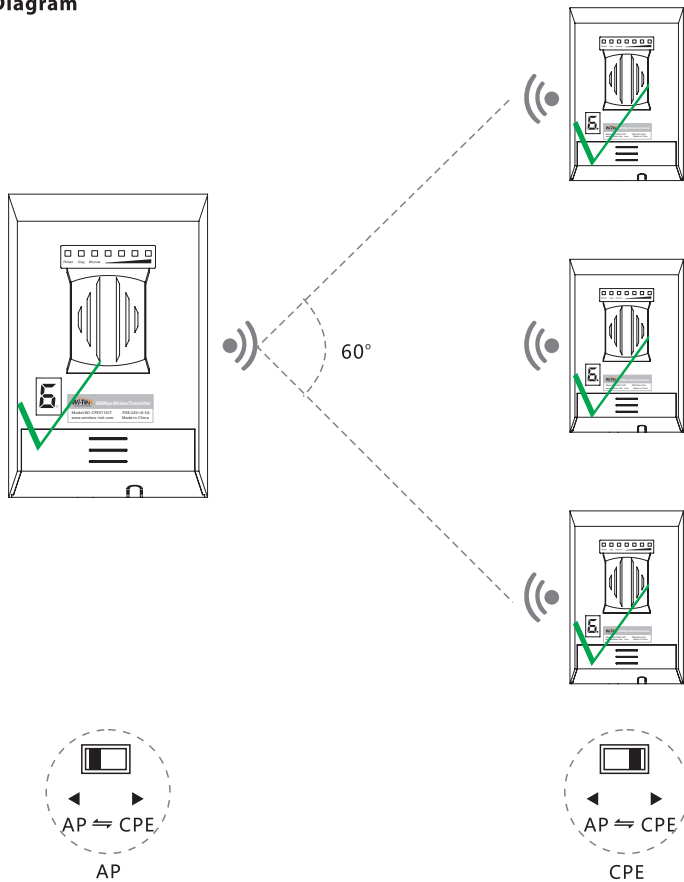


Diagram

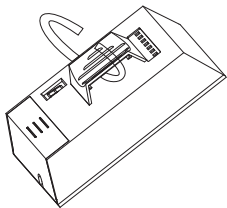


PTMP Settings

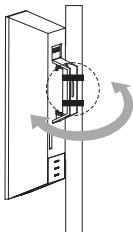
Diagram



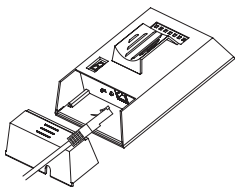
Hardware Installation



- ① Insert ribbon at the backside bracket hole. Adjust it according to the pole size and installation position



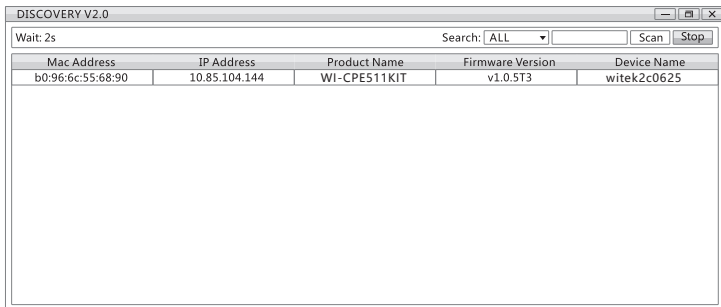
- ② Install the device on the pole and tighten the ribbon.



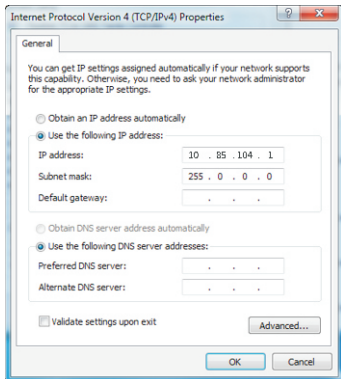
- ③ Hold on the buckle to take down the device back cover. Insert the net cable into the network port, then fasten the back cover.

Software settings

1. Make sure that your host machine is connected to the LAN that is connected to the Management port on the radio.
2. Use the Discovery Tool, Scan device IP (**Download Discover Tool**)



3. Configure the Ethernet adapter on your computer with a static IP address on the 10.85.104.x subnet.

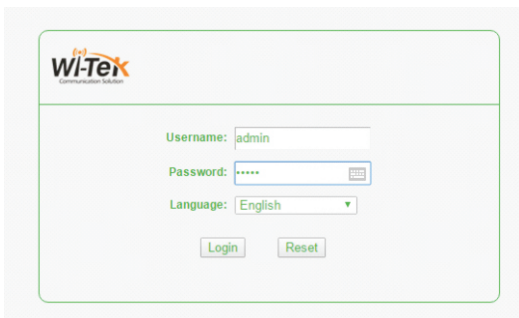


Software settings

4. Launch your web browser. Type `http://10.85.104.144` in the address field and press enter (PC) or return (Mac).



5. The login screen will appear. Enter "admin" in the Username and Password fields. Select your Country and Language. Click Login.



Software settings

6. The bridge device defaults to the **LED** display mode (**configured by the button**). After login, disable the **Digital Function** on **Digital Settings** page. Users can modify the configuration on the page.

Main ▾ Digital System ▾ Network ▾ Wireless ▾ Logout

Digital Setting

Use this page to configure Digital feature and view the status code.

Digital Function Settings

Digital Function: Enable

Digital Status

MAC Address	Wireless Mode	SSID	IP Address	802.11 Mode	Channel	WPA2 Passphrase
b0:96:6c:00:e2:fe	AP	DIGIT-DISPLAY-NUM-0	10.0.226.254	802.11B/G/N	2412MHz (1)	DIGIT-DISPLAY-PSK-0

Services

Speed Test

Site Survey

System Log

Network Ping

Ping Watchdog

Device Discovery

Antenna Alignment

Network Traceroute

7. Enter the **Network Settings** page to modify the network parameters.

Main ▾ Digital System ▾ Network ▾ Wireless ▾ Logout

Network Settings

This page configures the IP address, subnet mask, DHCP and other parameters for your local area network that is connected to the LAN port of the device.

Basic Settings

Network Mode:

Spanning Tree: Enabled Disabled

STP Forward Delay: (1~30 seconds)

IP Address Assignment

Management IP Address: DHCP Static

IP Address:

Subnet Mask:

Gateway IP Address:

DNS 1:

DNS 2:

DHCP Server Settings

DHCP Server: Enabled Disabled

DHCP IP Address Range: -

Lease Time: (15-44640 minutes)

Services

Speed Test

Site Survey

System Log

Network Ping

Ping Watchdog

Device Discovery

Antenna Alignment

Network Traceroute

Software settings

8. Enter the **Wireless** basic settings page, users can modify the wireless parameters by themselves.

Main ▾ Digital System ▾ Network ▾ Wireless ▾ Logout

Basic Settings
Use this page to change the wireless mode as well as configure any associated wireless network parameters.

Wireless Interface: Enable Disable

Wireless Mode:

AP-WDS:

SSID:

Broadcast SSID: Enabled Disabled

Data Rate:

802.11 Mode:

Channel Mode:

Channel/Frequency:

Output Power: dBm

Services

Speed Test

Site Survey

System Log

Network Ping

Ping Watchdog

Device Discovery

Antenna Alignment

Network Traceroute

Note: Maximum power of Standard version is **20dBm**, the maximum power of Plus version is **23dBm**

Warranty Card

Buyer name: _____

Phone number: _____

Date of purchase: _____

Purchase way: _____

Cause of issue: _____

Return address: _____

Receiver: _____ Phone number: _____

To be determined

If you have other requirements for after-sales, please fill in below:



European Directive 2012/19/EU requires that the equipment bearing this symbol on the product and/ or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment. via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.



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