WI-Tek
Communication Solution
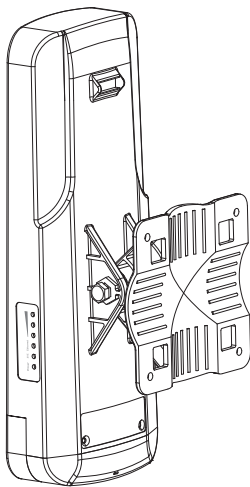
Long-Range Wireless Transmit CPE

2.4G and 5.8G Wireless CPE

Installation Guide

Product Profile

This guide applies to:

WI-CPE211,WI-CPE513,WI-CPE515,WI-CPE516,WI-CPE517,WI-CPE518
,WI-CPE214SMA,WI-CPE514SMA,WI-CPE515-KIT,WI-CPE518-KIT,
WI-CPE213-KIT.This guide introduces how to build a wireless network
using the CPE products:

1. Check the System Requirements
2. Log In to the Device
3. Set Up the Wireless Network
4. WI-CPE515-KIT,WI-CPE518-KIT,WI-CPE213-KIT is pre-configuration
software, so can do Point to Point by auto-connect

The following parts detailedly introduces these steps.

Packing list
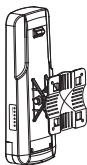
wireless bridge   POE   Strapping tape
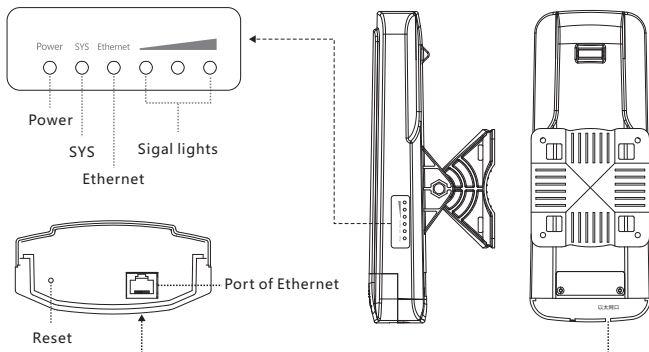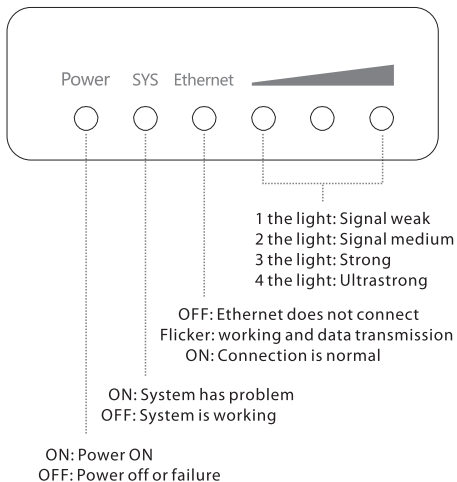
Itme	Description	QTY	Unit
1	Wireless bridge	1	Pcs
2	POE adapter	1	Pcs
3	**Strapping tape**	2	Pcs

※ If you find any items are missing or damage, please feel free to contact your supplier.

Product exterior and Guiding lights

Power
SYS
Ethernet
Sigal lights

Port of Ethernet

Reset

Guiding lights

Power   SYS   Ethernet

1 the light: Signal weak
2 the light: Signal medium
3 the light: Strong
4 the light: Ultrastrong

OFF: Ethernet does not connect
Flicker: working and data transmission
ON: Connection is normal

ON: System has problem
OFF: System is working

ON: Power ON
OFF: Power off or failure

Button instruction: Press the reset button more than 10 minutes, the device restores factory setting.

Installation

Outdoor installation manual

While outdoor wireless long distance transmitting encounter obstacle such as top buildings or trees, the signal will be weak; This is a directional bridge, the best signal will be obtained once it forwards to radiation range, so the alignment of antenna is important .
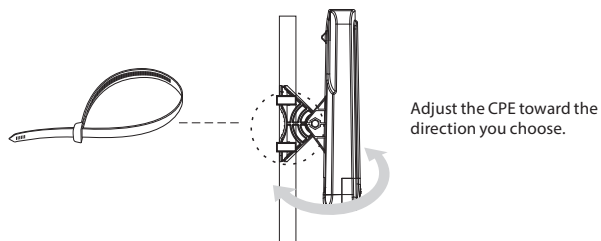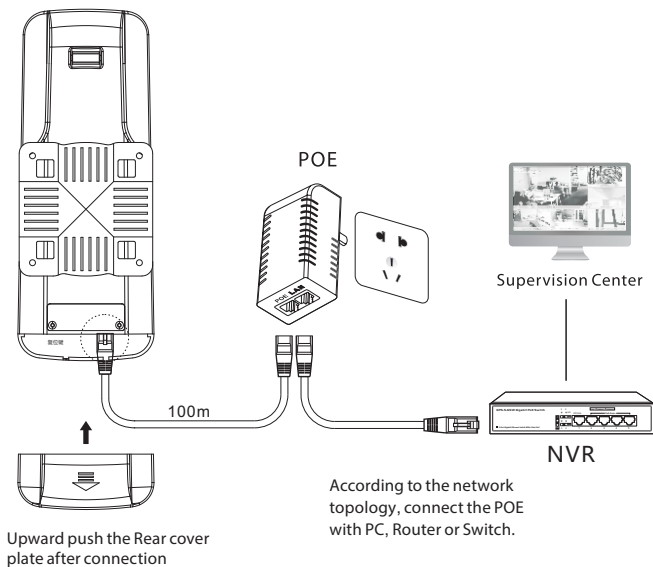
First of all, confirm the installation position:
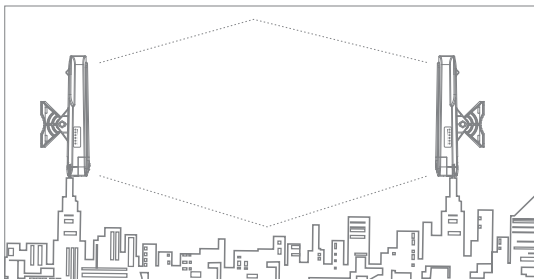
Secondly, adjust the angle according to the horizontal beamwidth and Vertical beamwidth of antenna; you also can choose the position by means of google map, and adjust the angle at the same time (can see the signal status by the signal lights, or check on the user interface of the product 'Status/connecting/Signal')
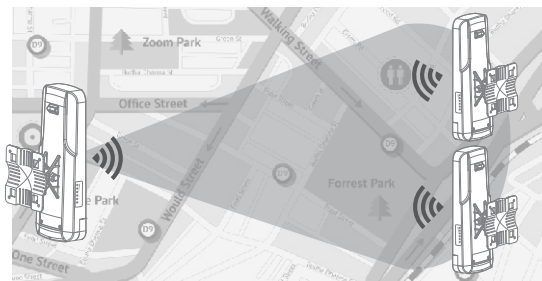
Connection and Installation

POE

Supervision Center

NVR

According to the network topology, connect the POE with PC, Router or Switch.

100m

Upward push the Rear cover plate after connection

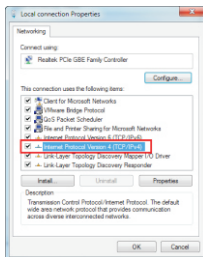Adjust the CPE toward the direction you choose.

Device Setting

Step 1:Click on the icon at the lower right of computer to open'Open Network and Sharing Center'.
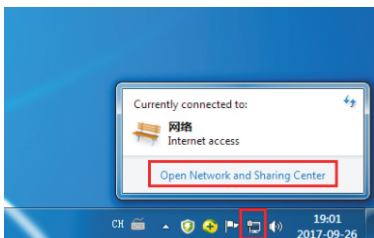
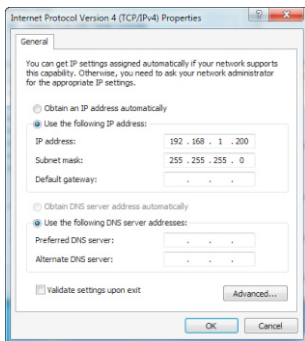Step 2: Click'local connction' then' Properites'.
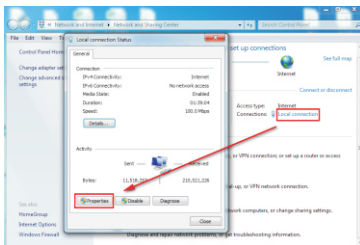
Step3: Double click"Internet Protocol Version 4".

Step 4: In the pop-up window,select"Use the following IP address." and input the
IP address:192.168.1.X (X is 2-253),Subnet mask is: 255.255.255.0,
then press the 'OK' button.

Step5: Open the browser of computer and input 192.168.1.88, you will see the
following page layout, the user name and password both are: admin.

Please enter the Username and Password, choose the language to 'English', then
click ' Login', you will go into the setting page of the product.

Point to point connection

For point to point connection, please setting one device from two as 'AP mode' , another one as 'Client mode', the SSID, the way of encryption and password of these two devices are both the same, then they will connect and work with each other automatically.

Wireless Bridges   Wireless Bridges

Supervision Center

Camera   Switch   Switch
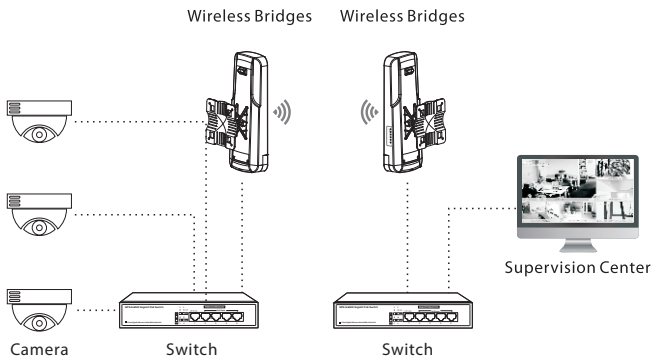
Remark: The IP address of these two devices must be different.

Bridge is setting as AP mode
Step 1: Choose' Setup Wizard', then click ' Next'
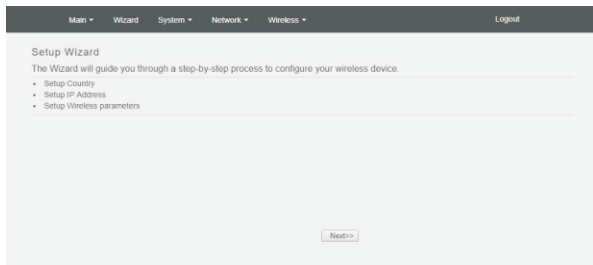
| Main ▾ | Wizard | System ▾ | Network ▾ | Wireless ▾ | Logout |

Setup Wizard
The Wizard will guide you through a step-by-step process to configure your wireless device.

- Setup Country
- Setup IP Address
- Setup Wireless parameters

Next>>

Step 2: Setup Country, choose' America', then click' Next' (Please take note the country should be the same in these two devices)

Step3: Setup IP Address, Choose' Static' IP and IP address is 192.168.1.88, Subnet Mask is 255.255.255.0, and keep the same of other information then click 'Next' .

Step 4: Setup Wireless Parameters ,choose ' AP' as Operation mode, SSID and frequency can be changed according to reality, other information keep the same and click to ' Next' button.

Step 5: Setup Wireless Security, choose' WPA2-PSK' as Authentication and AES as Data Encryption, enter the password then click ' Apply' button.

Setting up Client mode
Step 1: Go into 'Setup Wizard' , press ' Next' button

Step 2: Setup Country, choose' America', then click' Next' (Please take note the country should be the same in these two devices)

Step 3: Setup IP Address. Choose 'Static' Management PI Address, IP address is 192.168.1.X (X is 2-254), Subnet Mask is 255.255.255.0, other information is keep and same then click 'Next' button.(Please take note the IP address of Client is different from other LAN or Computers.)

Step4: Setup Wireless Parameters, choose 'Wireless Client' as Operation Mode, click 'Wireless Site Survey' , select the SSID you want to connect in the list then click ' Select SSID', press the ' Next' button.

Step5: Setup Wireless Security, choose' WPA2-PSK' as Authentication and AES as
Data Encryption, enter the password then click ' Apply' button.
(The password should be the same as AP device)

Point to Multipoint Connection

The AP and Client mode setting of Point to Multipoint connection are the same as point to point configuration.

Please pay attention to the following items when products are working as point to multipoint coverage:

1. The IP address should be different between bridges and computers .
2. Please pay attention to the angle of bridge when installing.
3. Please notice whether the current application scenario meets the bandwidth transfer requirement.

Supervision Center

Switch

Wireless Bridges

Camera   Wireless Bridges
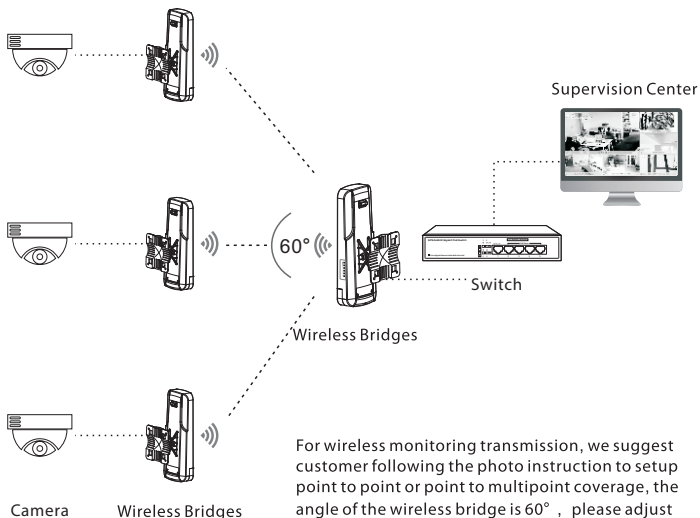
For wireless monitoring transmission, we suggest customer following the photo instruction to setup point to point or point to multipoint coverage, the angle of the wireless bridge is 60° , please adjust the product accordingly.