



HIKVISION DS-3WF03C Wireless Devices User Guide

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HIKVISION DS-3WF03C Wireless Devices



DS-3WF03C

Quick Start Guide

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About this Manual

This Manual is applicable to DS-3WF03C (Product Series).

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website (<http://overseas.hikvision.com/en/>).

Please use this user manual under the guidance of professionals.

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Regulatory Information

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Conditions

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

EU Conformity Statement

This product and – if applicable – the supplied accessories too are marked with “CE” and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU.

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see:

www.recyclethis.info

2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point.

For more information see: www.recyclethis.info

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.

Introduction

Overview

DS-3WF03C wireless bridge can be applied in industries, such as wireless video surveillance, railway, transportation, power and other industries, wireless video/data transmission, wireless coverage, carrier wireless backbone network construction, Wi-Fi wireless coverage, rural information construction, and wireless network coverage. The long-distance transmission of the device can guarantee multi-channel HD video transmission.

Packing List

The packing list is shown as below. If any accessories are damaged or lost, keep the package intact and contact your dealer for replacement.

Name	Item	Quantity
Device	DS-3WF03C	1
PoE Adapter	24 V, 0. 5 A	1
Power Cord	Power Cord	1
Hoop	Hoop for mounting device	2
Quick Start Guide	Instruction manual	1

Appearance



Front Panel of DS-3WF03C



Indicator



Indicator Description

Indicator	Description
	Power indicator. If the green light is steady on, it indicates that the power is on.
LAN	Network connection light. The light indicates there is one IPC or other network device connects to the LAN port of PoE adapter. Blinking means sending data.
WLAN	Wireless indicator light. The light indicates that the wireless is enabled. Blinking means sending data.
	Signal strength indicator light. Red light on, indicating that the signal is weak or no signal. Yellow and red lights on, indicating signal level is medium. Green, yellow and red lights on, indicating the wireless signal level is strong

Physical Interface

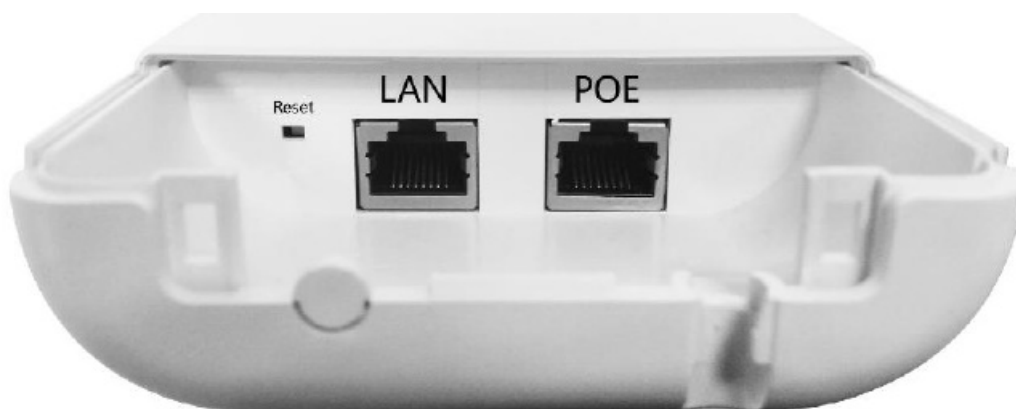


Figure 1-3 Physical Interface

Physical Interface	Description
Reset	Restore default factory settings
LAN	Access to the camera, information distribution screen and other equipment
POE	PoE port connection with PoE power supply

Installation

Step 1:

Select the unobstructed high point around the device to ensure that the devices are aligned and there is no

obstruction in the middle. Fix the device as shown in the figure below. Attach the back of the device to the pole, use the hoop to pass through the hoop hole on the back of the device, tighten the hoop, and fix the device on the pole.

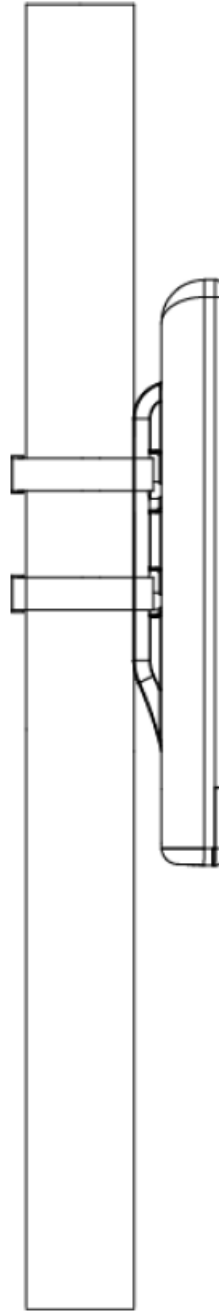


Figure 2-1 Install host

Step 2:

Connect the PoE interface of the device to the PoE interface of the PoE power supply through the network cable. The LAN interface of the device and the LAN interface of the PoE power supply can be connected to the front-end network devices such as IPC through the network cable, as shown in the following figure.

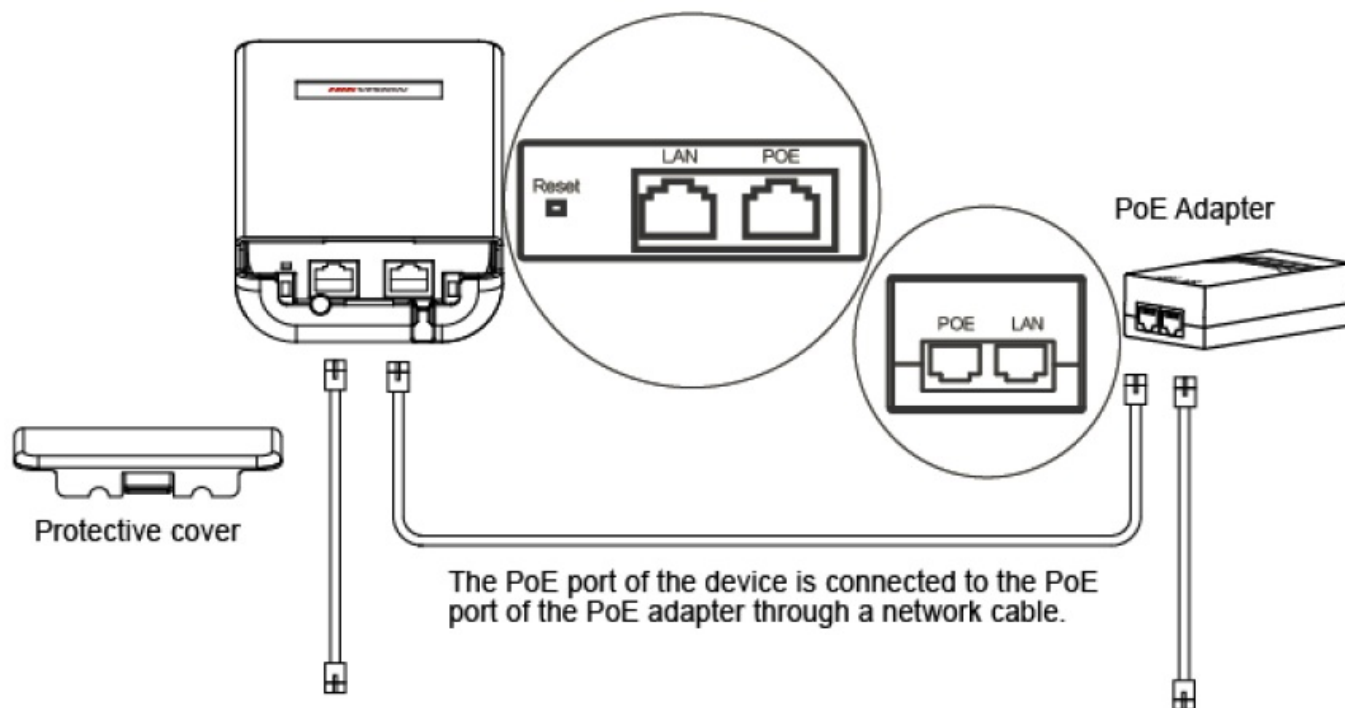


Figure 2-2 Power on the device

Step 3:

The schematic diagram of the installation of the device is as follows.

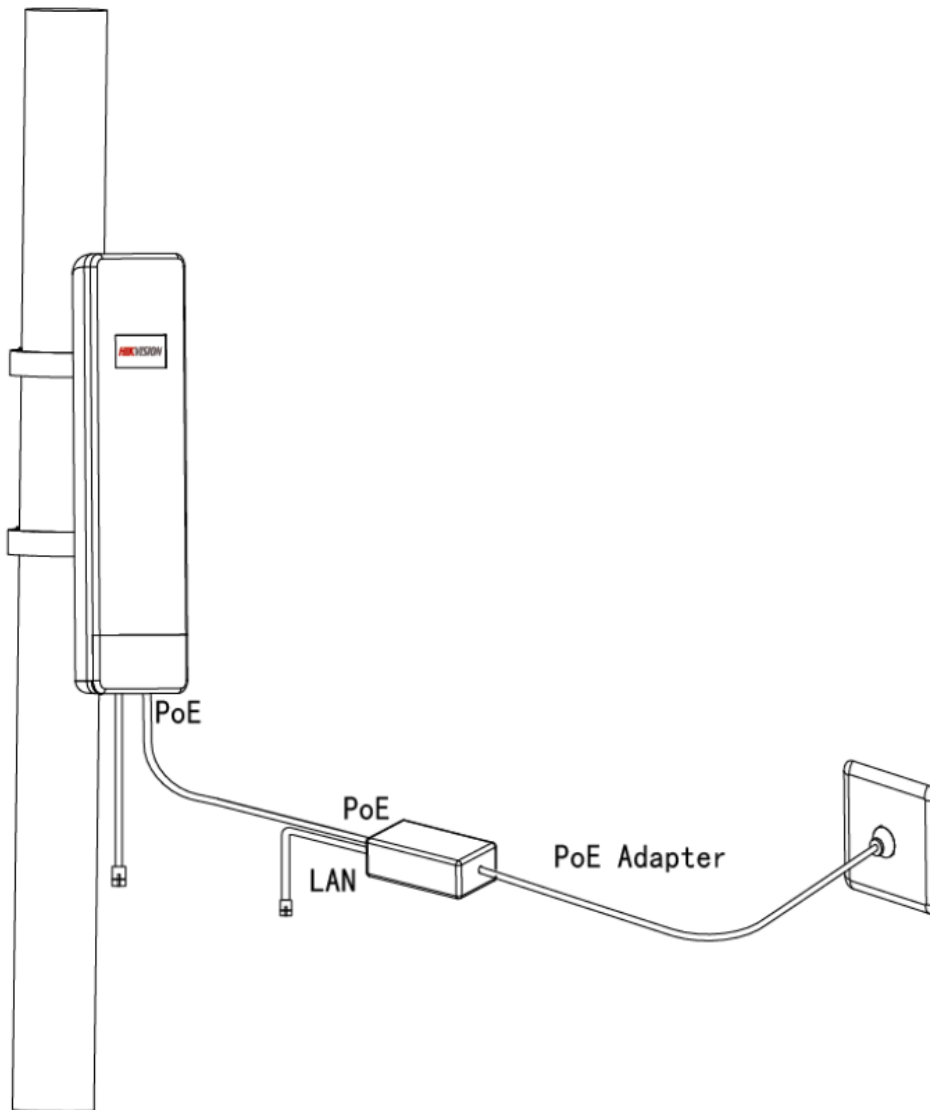
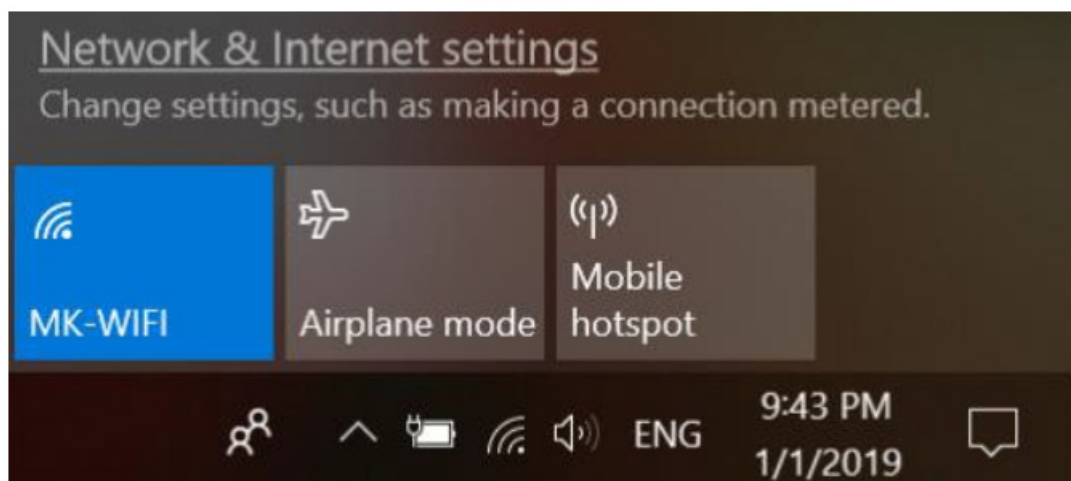


Figure 2-3 Finish installation

Prepare

Step 1:

Use a network cable to connect the computer to the LAN interface of the device or PoE power supply to prepare the device. First, you need to configure the computer IP address and the device's default IP address to be on the same network segment. Take the Windows 7 system as an example. Click the network logo in the lower right corner of the desktop and click Open Network & Internet settings-Network and Sharing Center. As shown below.



Step 2:

Click “Local Area Connection” on the right and click “Properties”. As shown below

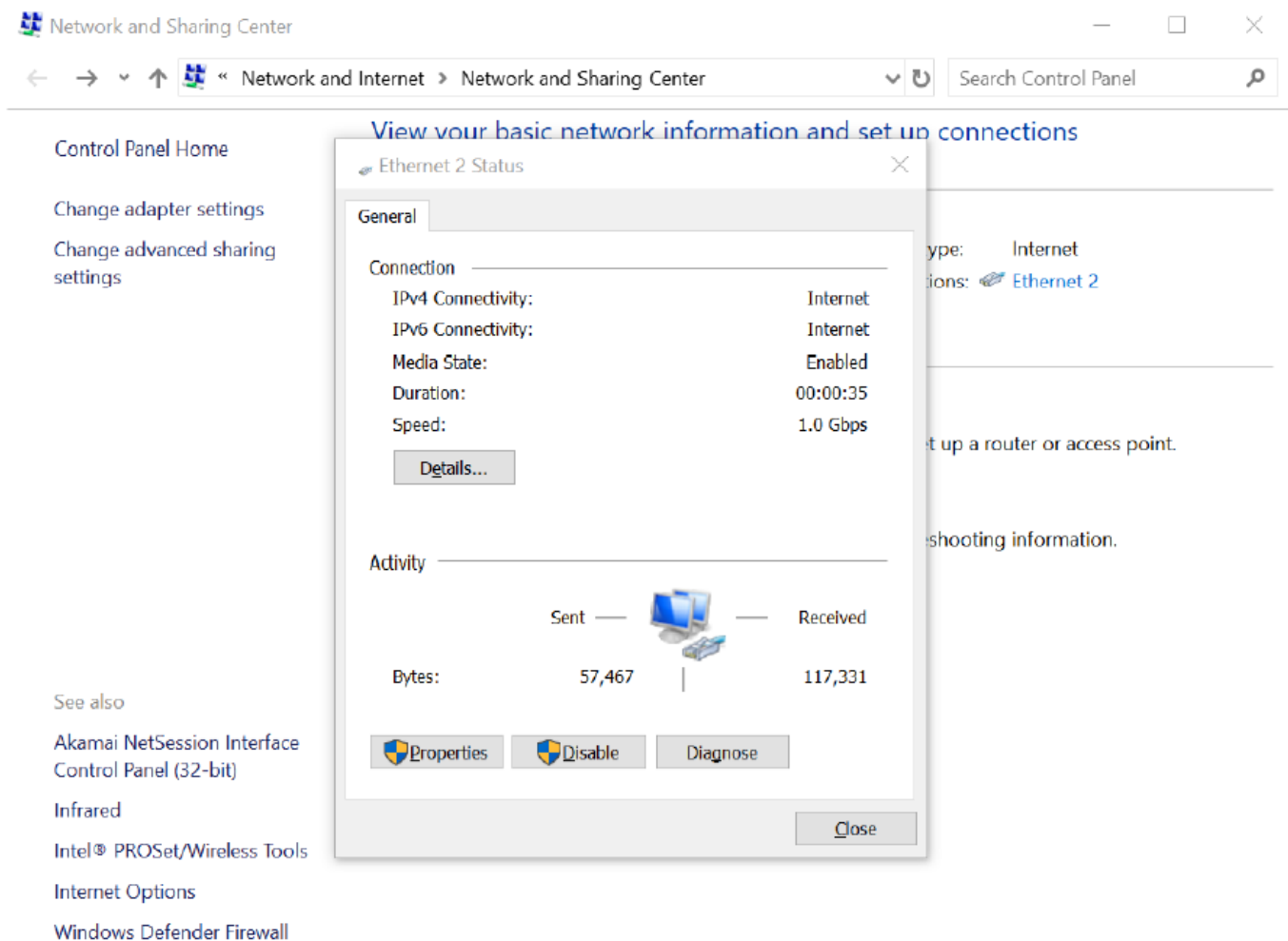


Figure 3-2 Local Area Connection

Step 3:

Double-click Internet Protocol Version 4 (TCP/IPv4). As shown below.

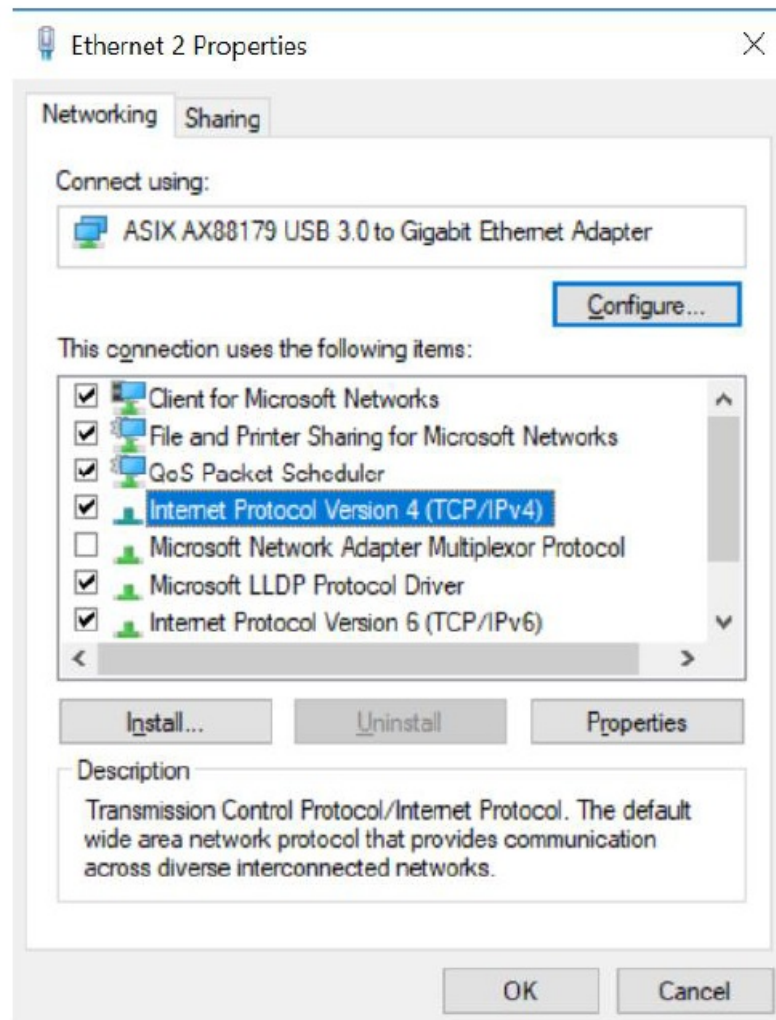


Figure 3-3 Internet Protocol Version 4 (TCP/IPv4)

Step 4:

Configure the IP address of the computer to be the unused 192.168.1.X address in the LAN. X is any integer other than 36 in 2 to 253. The subnet mask is 255.255.255.0. Click "OK" as shown below.

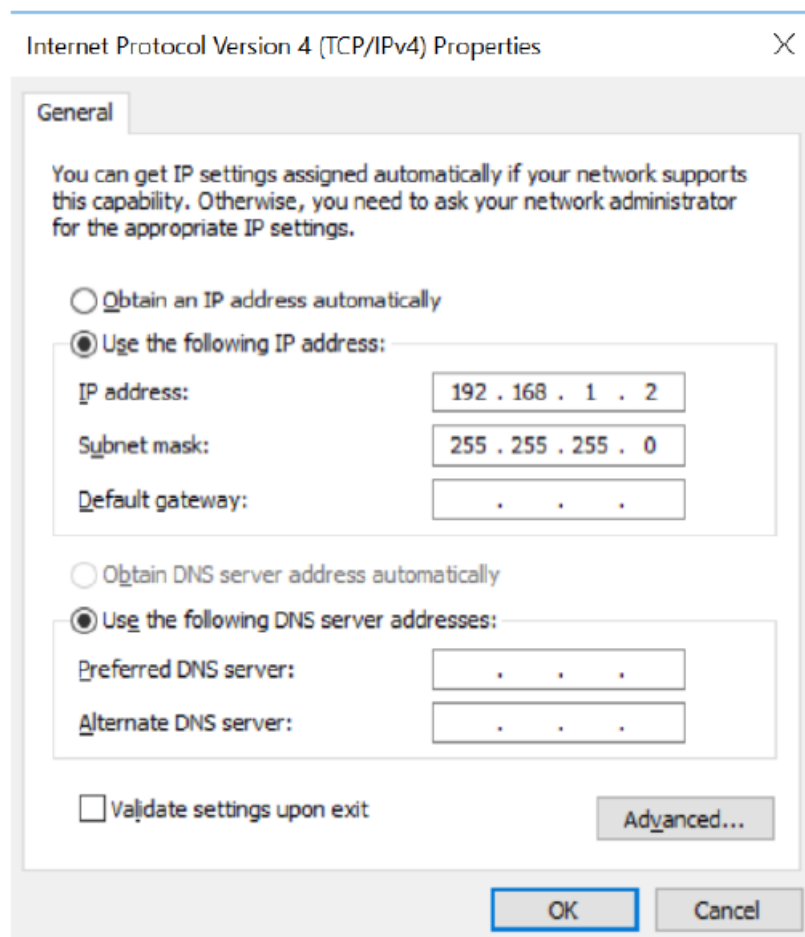


Figure 3-4 Configure the IP

Configuration

After the preparation is completed, start the device configuration.

Step 1:

Make sure that the IP address of the computer is inconsistent with the default IP address of the device. On the same network segment, use a browser to log in to the device, open a browser, and enter the default IP address of the device in the address bar: 192.168.1.36.

When you log in to the device for the first time, click Enter, enter the device activate page. The user name is admin, and the user password is set by the user. You also need to select your password, country, language and time zone, as shown in Figure 4-1. Check "I agree to these terms of use" and click "Activate". Take the AP device as an example.

model:DS-3WF03C

HIKVISION *Wireless Bridge*

Username:

New Password:

Confirm Password:

Country/Region:

Time Zone:

Language:

TERMS OF USE
 Installer must install this device professionally. It is the installer's responsibility to follow local country regulations including operation within legal frequency channels, output power requirements.

☐ I agree to these terms of use

Activate **Reset**

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Figure 4-1 login

Step 2:

Go to the device page and click the “Wizard” bar at the top of the page to enter the “Network” page to set the IP address of the device. In the address field of the LAN IP, fill in 192.168.1.X, X is any integer from 2 to 253, and the address is not used. The subnet mask can be used by default. Click “Next” when finished.

Network

This wizard page is only used in bridge mode, helps to set the basic network parameters.

LAN IP:

LAN Netmask:

Gateway IP:

Next

Figure 4-2 Wizard – Network

Step 3:

Go to the “Wireless” page. The device can modify the wireless parameters such as network name, frequency, and key through this page. The default wireless mode of the device is the Station. The default network name of the device is Wireless. When pairing with the Access Point device, please note that the key and the SSID on the Station side must be the same as the Access Point. Other configurations are recommended to keep the default values. Click “Next”.

This wizard page helps to set the basic wireless and wireless security, Please click the top "Wireless" menu for detail setting.

Wireless Mode:

SSID:

Output Power: ☐ Allowing adjusting transmission power

Caution: It is installer's responsibility to follow local regulations while adjusting the transmission power

IEEE 802.11 Mode:

Frequency, MHz: ☐ Enable

Channel Width:

Wireless Security [\[?\]](#):

WPA2-PSK Key:

Figure 4-3 Wizard – Wireless

Step 4:

Go to the Setup "Wizard – Finish" page and click "Change" to save the configuration.

You have finished the wizard.

Please click "Change" to save all your settings, and click "Apply" to reboot and make your settings work.

Figure 4-4 Wizard – Finish

Users can also click the "Wireless" bar at the top of the page to enter the "Wireless" page and modify the network name, frequency, key and other parameters.

Basic Wireless Settings

Wireless Security Settings

Wireless Mode[?]: Station
SSID: Wireless
Frequency Scan List[?]: Enable
Antenna Gain: 15
Output Power: 15
IEEE 802.11 Mode: A/N mixed
Country Code: Argentina
Channel Width[?]: 20 MHz
Max TX Rate, Mbps[?]: MCS 15-130(144)
Lock AP Mac:

Security: WPA
Mode: WPA2
Cypher: CCMP
WPA Key:

Change

Figure 4-5 Wireless

For the Access Point device configuration, please refer to the station device configuration



Documents / Resources

	HIKVISION DS-3WF03C Wireless Devices [pdf] User Guide DS-3WF03C, Wireless Devices
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References

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