



DS-3WF02C-5N/O

Quick Start Guide



See Far, Go Further

Quick Start Guide

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About this Manual

This Manual is applicable to DS-3WF02C-5N/O (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.
3. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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.

Applicable Models

This manual is applicable to switches below: DS-3WF02C-5N/O (product series).

Symbol Conventions

The symbols that may be found in this document are defined as follows.

| Symbol | Description |
|--|---|
|  NOTE | Provides additional information to emphasize or supplement important points of the main text. |
|  WARNING | Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results. |
|  DANGER | Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury. |

WARNING

- During the installation and utilization of the device, please strictly conform to electrical safety rules in different nations and regions.
- You shall acknowledge that the use of the device with Internet access might be under network security risks, please strengthen protection for your personal information and data security. If you find the device might be under network security risks, please contact with us.

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Chapter 1 Introduction

1.1 Overview

DS-3WF02C-5N/O 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.

1.2 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-3WF02C-5N/O | 1 |
| PoE Adapter | 24 V, 0.5 A | 1 |
| Power Cord | Power Cord | 1 |
| Hoop | Hoop for mounting device | 1 |
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Table 1-1 Packing List of DS-3WF02C-5N/O

1.3 Appearance

1.3.1 Front Panel

Front panel of DS-3WF02C-5N/O is shown as below.

Front Panel of DS-3WF02C-5N/O



Figure 1-1 DS-3WF02C-5N/O Front Panel

Indicator

Indicators are used to monitor the status of the DS-3WF02C-5N/O. See the following table for the description of the indicators.



Figure 1-2 Indicators

| Indicator | Description |
|-----------------|---|
| Power | 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 | 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 |

Table 1-2 Indicator Description

Physical Interface

The hardware interfaces of the DS-3WF02C-5N/O are as follows.



Figure 1-3 Physical Interface

| Physical Interface | Description |
|--------------------|---|
| LAN | The reserved network port can be connected to front-end network devices such as IPC. |
| Reset | Used to restore the default factory settings. |
| POE | The network cable is connected to the "POE" on the PoE power module to provide power and data transmission to the device. |

Table 1-3 Physical Interface

Chapter 2 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.

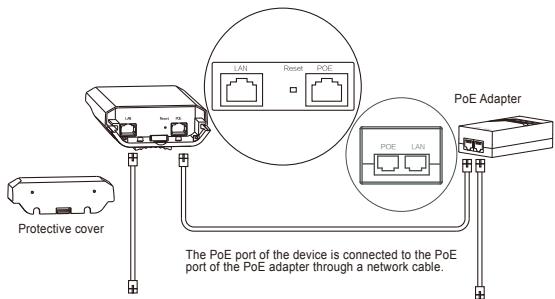


Figure 2-2 Power on the device

Step 3 The schematic diagram of the installation of the device is as follows.

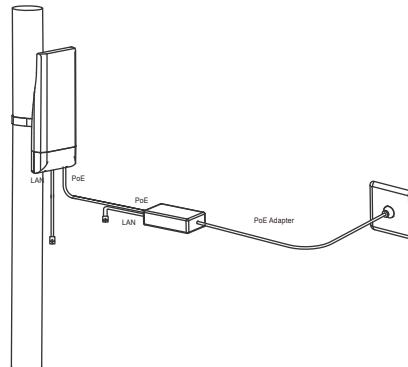


Figure 2-3 Finish installation

Chapter 3 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.

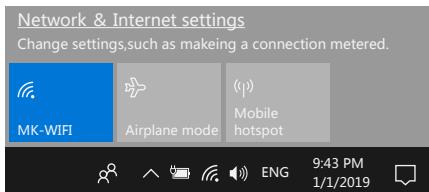


Figure 3-1 Network & Internet settings

Step 2 Click "Local Area Connection" on the right and click "Properties". As shown below.

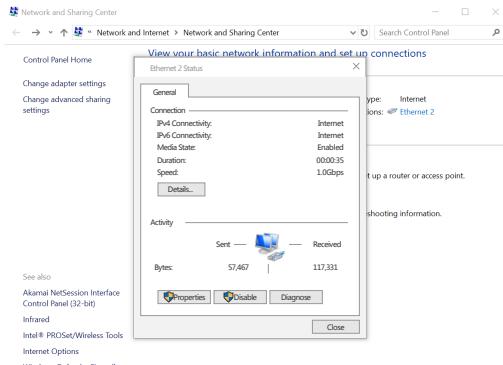


Figure 3-2 Local Area Connection

Step 3 Double-click Internet Protocol Version 4 (TCP/IPv4). As shown below.

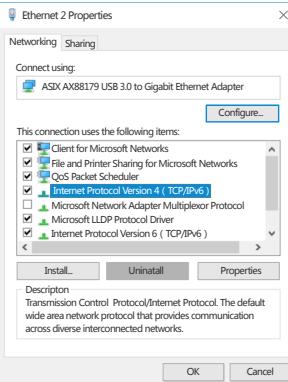


Figure 3-3 Internet Protocol Version 4 (TCP/IPv4)

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.

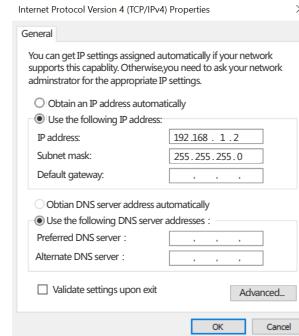


Figure 3-4 Configure the IP

Chapter 4 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.

NOTE

- 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.

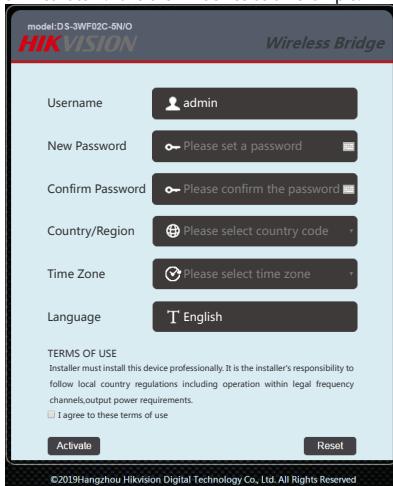


Figure 4-1 login

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.

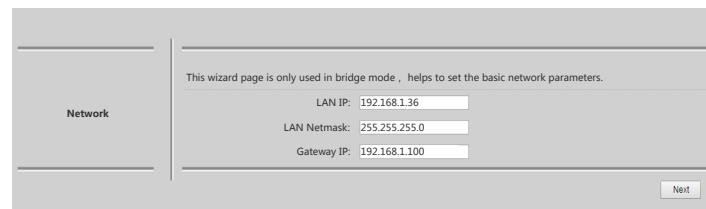


Figure 4-2 Wizard – Network

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 WDS Station. The default network name of the device is Wireless_R. When pairing with the WDS Access Point device, please note that the key and the SSID on the WDS Station side must be the same as the WDS Access Point. Other configurations are recommended to keep the default values. Click "Next".

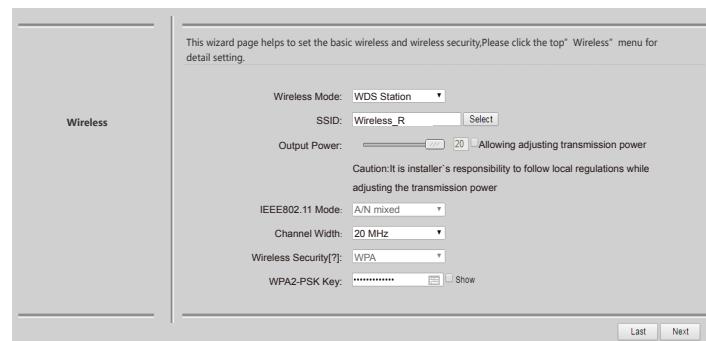


Figure 4-3 Wizard – Wireless

Step 4 Go to the Setup "Wizard – Finish" page and click "Change" to save the configuration.

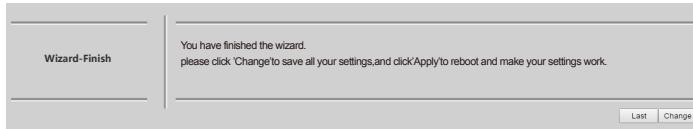


Figure 4-4 Wizard – Finish

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.

The screenshot shows the 'Basic Wireless Settings' and 'Wireless Security Settings' sections. In 'Basic Wireless Settings', fields include: Wireless Mode (WDS Station), SSID (Wireless_R), Antenna Gain (10), Output Power (20, with a note about local regulations), IEEE 802.11 Mode (A/N mixed), Country Code (Argentina), Channel Width (20 MHz), Max TX Rate (Mbps) (MCS 15-130(144)), and Lock AP Mac. In 'Wireless Security Settings', fields include: Security (WPA), Mode (WPA2), Cypher (CCMP), and WPA Key (a masked input field).

Figure 4-5 Wireless

For the WDS Access Point device configuration, please refer to the WDS Station device configuration.