



Application Guide

Wi-Fi Station & Repeater Configuration



Contents

Contents	2
Revision History	2
1 Overview	3
2 Description	3
2.1 Topology.....	3
2.2 Hongdian Setup.....	4
2.3 Check status.....	5

Revision History

Updates between document versions are cumulative. Therefore, the latest document version contains all updates made to previous versions.

Doc Version	Product	Release Data	Details
V1.0	Hongdian Router	2017.08.23	First Release
V2.0	Hongdian Router	2020.09.03	

1 Overview

WiFi station connect to AP hotspots through WiFi and use WiFi for data transmission. WiFi Repeater using the wireless connection between wireless routers to pass the wireless signal from one relay point to the next relay point, to achieve signal enhancement and the formation of a new wireless coverage area, which is suitable for those open areas where it is not convenient to lay Ethernet lines, such as large open office areas, warehouses, docks and so on.

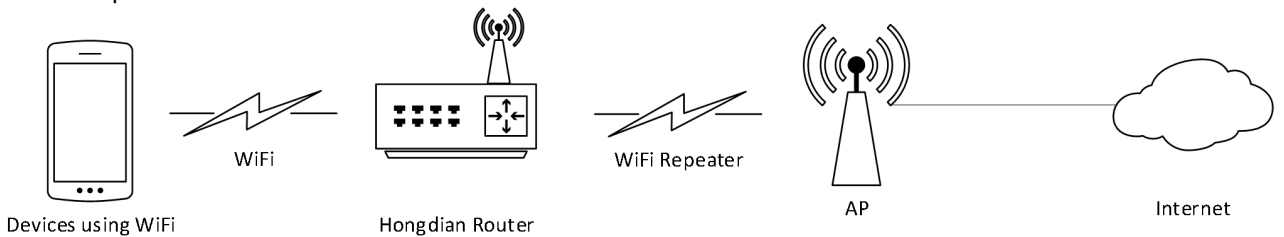
2 Description

2.1 Topology

1. WiFi Station



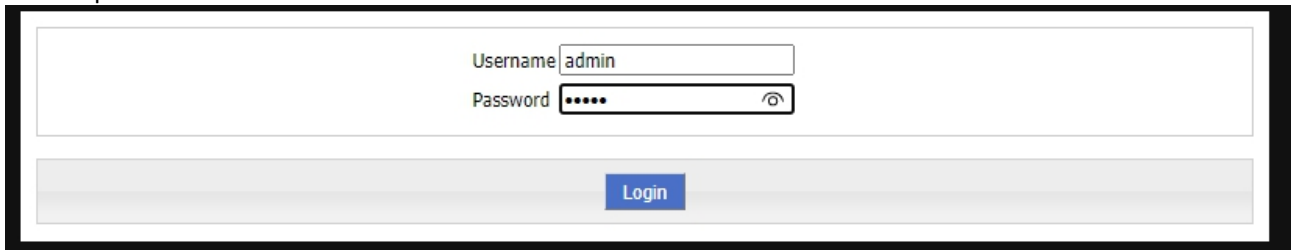
2. WiFi Repeater




2.2 Hongdian Router Setup

2.2.1 WiFi Station

1. Login with browser, default address: 192.168.8.1
Default account: admin
Default password: admin



Username

Password 

[Login](#)

2. Click **Network-Wlan-Enable**, open WLAN Status
3. The **Wireless Mode** drop-down list selects the **station**
4. The router will automatically search for nearby WiFi and make a list of them, click **Connect** to connect
5. Enter the WiFi password at **WPA Shared Key** to complete the connection

Tips: The higher **Quality** number means the better signal.

Network IPv6 Applications VPN Forward Security System Status Logout

LAN WAN **WLAN** Modem Parameter Select Network Type Link Backup Link Switch DHCP Server

WLAN Status

Basic Settings

Wireless Mode
 SSID * Max length is 32
 BSSID eg. 00:1A:4D:34:B1:8E
 IP Distribution

Encryption Settings

Security Mode
 Algorithms
 WPA Shared Key * Length is between 8 to 63

Access Points

ID	BSSID	SSID	Channel	Quality	Authentication	Encrypt	Operation
0	34:29:12:dc:68:88	HUAWEI-CONNECT	1	0	WPA2	AES	<input type="button" value="Connect"/>
1	ec:b9:70:e9:ed:74	HUAWEI-CONNECT_plu	2	20	WPA2	AES	<input type="button" value="Connect"/>
2	60:02:e8:d9:29:00	HD-Guest	5	0	WPA2	AES	<input type="button" value="Connect"/>
3	30:89:d3:29:14:f5	BYT_0TV8GL	6	7	WPA2	AES	<input type="button" value="Connect"/>
4	00:bb:1c:2e:30:40	HD-meeting-16F1	6	0	WPA2	AES	<input type="button" value="Connect"/>
5	20:76:93:3d:97:d0	5G_CPE_test	6	94	WPA2	AES	<input type="button" value="Connect"/>
6	7c:b5:9b:42:35:bf	TP-LINK_35BF	7	0	WPA2	AES	<input type="button" value="Connect"/>
7	20:76:93:47:51:76	HD-meeting-16F1	11	0	WPA2	AES	<input type="button" value="Connect"/>

2.2.2 WiFi Repeater

Use the same method as station.

2.3 Check status

Check the WLAN status:

1. Click **Status-WLAN**

The screenshot shows a web interface for configuring a Wi-Fi station. The top navigation bar includes tabs for Network, IPv6, Applications, VPN, Forward, Security, System, and Status (which is highlighted). Below this, there are sub-tabs for Basic System Information, LAN, WAN, WLAN (highlighted), GPS, Modem, Routing Table, and Traffic Statistics. The main content area is titled 'Basic Information' and contains a table of WLAN configuration details. A red box highlights the table. To the right of the table is a 'Help' section with a 'Display:' heading and a description. At the bottom of the table area is a 'Refresh' button.

Status	connected
Work Mode	station
SSID	5G_CPE_test
Channel	6
IP Address	192.168.123.22
Mask	255.255.255.0
Gateway	192.168.123.1
Primary DNS	192.168.123.1
Secondary DNS	
MAC Address	06:50:C2:05:DA:D5
BSSID	20:76:93:3D:97:D0

Display:
This page displays basic WLAN configuration.

Refresh


Station mode: Users can use a network cable for Internet access.
Repeater mode: Users can use WiFi for Internet access.





Create smart things



Contact us

 F14 - F16, Tower A, Building 14, No.12, Ganli 6th Road, Longgang District, Shenzhen 518112, China.

 +86-755-88864288-5

 +86-755-83404677

 hongdianchina

 www.hongdian.com

 sales@hongdian.com

 Hongdian_China