



Instruction Manual

DC39

Wireless N AP/Repeater

Open Source Code

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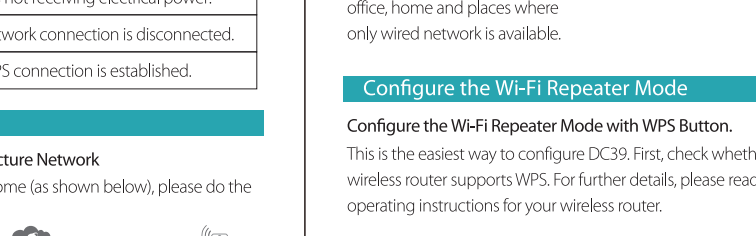
EN Introduction

dodocool Wireless N AP/Repeater is mainly used for providing free Wi-Fi service in big areas such as factories, communities, streets, etc. DC39 can take an existing 802.11n wireless signal, repeat and extend it to a longer range where it is too far away for the router or access point to reach. It supports 2.4G wireless network connections as well

as 2.4G transmission speeds of up to 300Mbps. It has 2 internal antennas, providing better wireless performance, transmission rates, stability technology. By using its channel selection feature, it will automatically avoid channel conflicts.

Package Contents
1 * dodocool Wireless N AP/Repeater
1 * Quick Installation Guide

Overview



- 1 Power on/off button
- 2 LAN port
- 3 WPS/Reset button
Press 6 seconds and reset DC39
Press 1-2 seconds and connect to your AP/Router
- 4 LED indicator light

Note:The repeater does not support mobile phone or network card's WPS connection.

Default Parameters
URL: <http://ap.setup> Default IP: 192.168.10.1
Login password: admin Wi-Fi SSID: **Wireless-N**
Wi-Fi key: no

LED indicators

On	DC39 is power on.
Off	DC39 is not receiving electrical power.
Slow flashing	The network connection is disconnected.
Fast flashing/flashing	The WPS connection is established.

Getting Started

Setting up a Wireless Infrastructure Network
For a typical wireless setup at home (as shown below), please do the followings:

Wireless Repeater Mode
DC39 copies and reinforces the existing wireless signal to extend the coverage of the signal. This mode is especially useful for a large space to eliminate signal-blind corners.



Note:So this mode is fit for large house, office, warehouse or other spaces where the existing signal is weak.

Wireless AP Mode
DC39 is connected to a wired network; then transforms the wired Internet access into wireless so that multiple devices can share the Internet. So this mode is fit for your office, home and places where only wired network is available.

Configure the Wi-Fi Repeater Mode
This is the easiest way to configure DC39. First, check whether your wireless router supports WPS. For further details, please read the operating instructions for your wireless router.

Configure the Wi-Fi Repeater Mode with WPS Button.
DC39 then automatically connects to your wireless router and copies wireless key of the settings. The Wi-Fi SSID is your "SSID_EXT", and the Wi-Fi password is the same as your Router. After the reboot has been completed, go to your device's WLAN setting and connect to the new SSID.

You can configure the Wi-Fi Repeater Mode by connecting it with your computer/laptop with an RJ45 cable or wirelessly.



Configure the Wi-Fi Repeater Mode Wirelessly

1. Set the mode selector to the "Repeater" position for Repeater Mode, then plug DC39 into a wall socket.
2. Click on the network icon (or) on the right bottom of your desktop. You will find the signal from the Wireless-N. Click on "Connect" then wait for a few seconds.
3. Open web browser and type <http://ap.setup> or the default IP address in the browser address box.
4. The login screen below will appear. Enter the password, then click "Login" to log in. The default password is "admin".



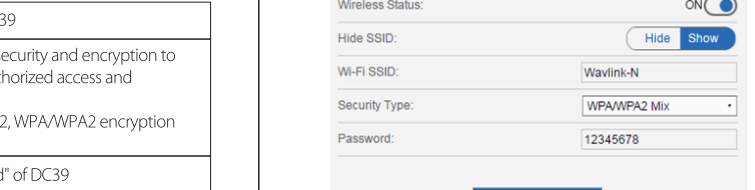
5. After logging in, select a Wi-Fi SSID. After having selected a Wi-Fi SSID, specify the password of your wireless router.

After completing the entry, click on the "Connect" button.

After the reboot has been completed, go to your device's WLAN setting and connect to the new Wi-Fi SSID.

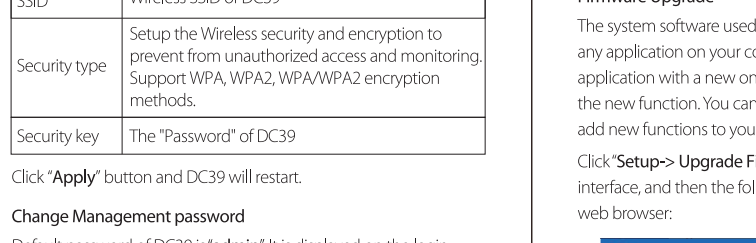
Change to Wi-Fi AP Mode

Use the AP Mode to obtain a "wireless access point". The wireless end devices will connect to DC39 in this mode. You can also use this mode, for example, to make a formerly non-wireless-enabled router wireless-enabled.



1. Plug DC39 into a wall socket.
2. Follow process A2 to A4.
3. After logging in, you will see the web page below, then click on the Wizard.

The following message will be displayed on your web browser:



SSID	Wireless SSID of DC39
Security type	Setup the wireless security and encryption to prevent from unauthorized access and monitoring. Support WPA, WPA2, WPA/WPA2 encryption methods.
Security key	The "Wi-Fi Password" of DC39

Click on "Apply" button, and DC39 will restart.

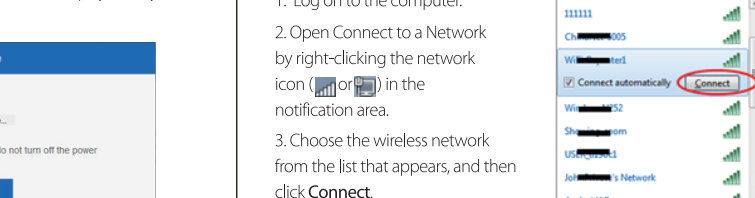
After the reboot has been completed, go to your device's WLAN setting and connect to the new Wi-Fi SSID.

Management via Web Browser

Wireless Base Configuration

Please follow the following instructions: Click "Wi-Fi -> Wi-Fi Setup" located at the web management interface, and the following message will be displayed on your web browser:

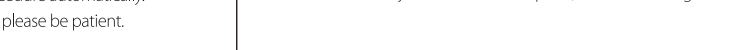
You could configure the basic setting of wireless settings for communication, such as Network Name (SSID) and Channel. The access point can be set simply with only the minimum setting items.



Change Management password

Default password of DC39 is "admin". It is displayed on the login prompt when accessed from web browser. There's a security risk if you don't change the default password, since everyone can see it. This is very important when you have wireless function enabled.

To change password, please follow the following instructions: Please click "Setup-> System Safety" menu on the web management interface, the following message will be displayed on your web browser:



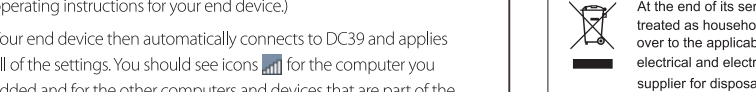
Click "Apply" button and DC39 will restart.

Upgrade Firmware

The system software used by this router is called "firmware", just like any application on your computer. When you replace the old application with a new one, your computer will be equipped with the new function. You can also use this firmware upgrade function to add new functions to your router, even fix the bugs of this router.

How to Connect Your Computer/Laptop with DC39

1. Log on to the computer.
2. Open Connect to a Network by right-clicking the Network icon (or) in the notification area.
3. Choose the wireless network from the list that appears, and then click Connect.
4. Type the network security key or passphrase if you are asked to do so, and then click OK. You'll see a confirmation message when you are connected to the network.
5. To confirm that you added the computer, do the following:



Click "Browse..." or "Choose File" button first; you'll be prompted to provide the filename of firmware upgrade file. Download the latest firmware file from our website, and use it to upgrade your router.

After a firmware upgrade file is selected, click "Apply" button, and DC39 will start the firmware upgrade procedure automatically. The procedure may take several minutes, please be patient.

Open Network by clicking the Start button, and then click **Control Panel**. In the search box, type **network**, and then click **View network computers and devices** under Network and Sharing Center. You should see icons for the computer you added and for the other computers and devices that are part of the network.

Note: If you don't see icons in the Network folder, this indicates that the network discovery and file sharing might be turned off.

Adding a Wireless Computers to DC39 with WPS Button

This is the easiest way to establish a connection to the AP. First, check whether your end device supports WPS. For further details, please read the operating instructions for your end device.

1. Log on to the computer.
2. Press the WPS button on the device for 2 seconds. The WPS LED will flash for about 2 minutes.
3. Within these 2 minutes, please press the connection button (WPS) on your end device. (For further details, please read the operating instructions for your end device.)

Your end device then automatically connects to DC39 and applies all of the settings. You should see icons for the computer you added and for the other computers and devices that are part of the network.

Adding a wired (Ethernet) computer to DC39

1. Plug DC39 to a socket. Connect your computer / laptop with DC39 with an RJ45 Cable.
2. To confirm that you have added the computer, do the followings: Open Network by clicking the Start button, and then click Control Panel. In the search box, type network, and then click View network computers and devices under Network and Sharing Center. You should see icons for the computer you added and for the other computers and devices that are part of the network.

FCC Notice

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

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Made in China

