DAVOLINK DVW-632 WiFi Router User Guide

Contents

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Product Overview

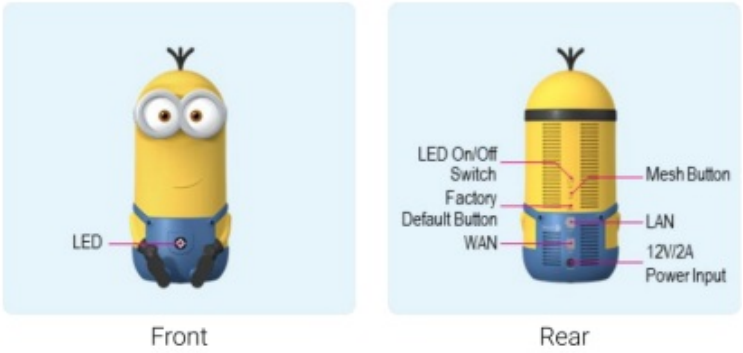
Follow each step of setup guide described in user manual to configure and install the router easily.

Checking components

Check first if there is any missing or defective component in the giftbox. Please refer to the figure below for the components in the giftbox.

Hardware ports and switches

Refer to below figure for the hardware ports and switches and their usage.



LED Indicator

The RGB LED is located in the middle of front side and displays different colors according to the status of WiFi router and network status

Color	**State**	**Meaning**
Off		Powered off
Red	On	WiFi router is booting up (first booting step)
	Blinking	WiFi router is booting up (second booting step) or applying modified configurations
Yellow	On	In the progress of initializing WiFi router
	Blinking	Cannot connect to the network (WAN Link Down / MESH Disconnect)
	Quick Blinking	New firmware is being updated to the WiFi router
Blue	On	Internet service is not available since IP address was not allocated in DHCP mode
	Blinking	WiFi router is making MESH connection
	Quick Blinking	WiFi router is making Wi-Fi Extender connection
Green	On	Normal Internet service is ready
	Blinking	Indicates a signal strength of mesh controller AP (MESH Agent Mode)
Magenta	On	Factory default values are being applied to the WiFi router (Service Standby state)

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Installing the WiFi Router

1. What to check before installing the product

The WiFi router is given an IP address in two ways by the internet service provider. Please check the way you are using and read the precautions below.

IP allocation type	Explanation
Dynamic IP Address	Connects with one of xDSL, Optical LAN, Cable Internet Service, and ADSL without running a connection manager program
Static IP Address	Assigned a specific IP address given by an Internet service provider

❖ Dynamic IP Address User Notes

In this mode, an IP address is automatically allocated to the WiFi router by simply connecting LAN cable without any additional settings.
In case you cannot connect to Internet, there is a probability the service provider may be restricting Internet service with devices having unauthorized MAC address, and in some cases, if the MAC address of the connected PC or WiFi Router changes, the Internet service gets available only after customer authentication.
If the problem persists, it is recommended you check with the Internet service provider.

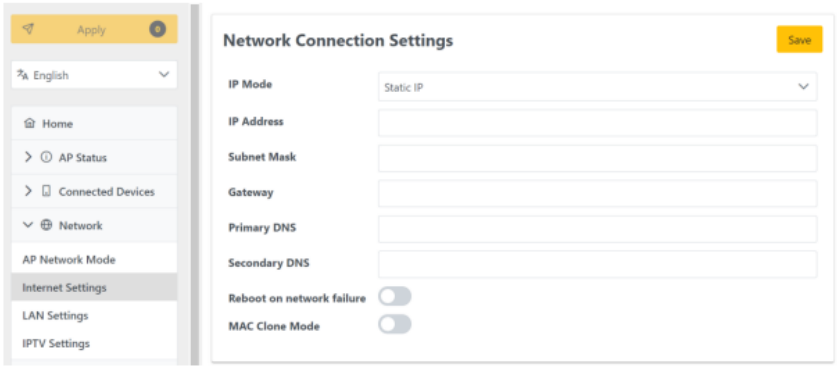
Static IP Address User Notes

In this mode, you have to use an IP address allocated by Internet service provider and apply it to the WiFi router. For using internet service normally, you have to check if following parameters of the WiFi router are well configured.

① IP Address	② Subnet Mask	③ Default Gateway
④ Primary DNS	⑤ Secondary DNS	

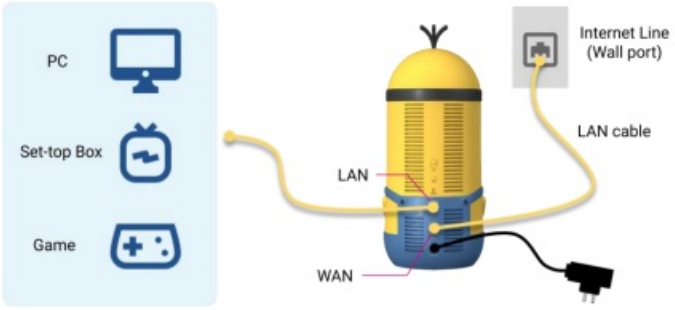
You can apply the designated IP address to WiFi router in its administrator web page by connecting your PC to WiFi router.

- Administrator web page : **http://smartair.davolink.net**
- Network > Internet Settings > IP Mode – Static IP

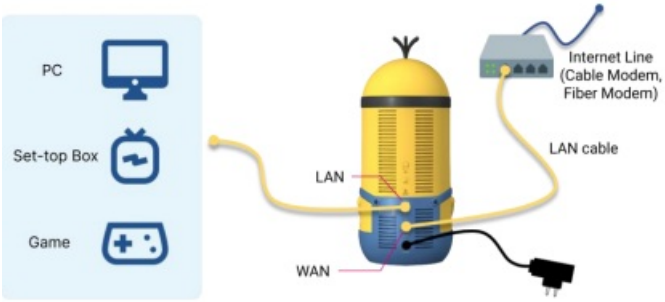


Connecting LAN Cables for Internet connection

Internet service through wall port



Internet service through data modem



Connecting to WiFi

① For WiFi connection, just scan the QR code of [1. Automatically connect to WiFi] which is printed on the enclosed QR code sticker.

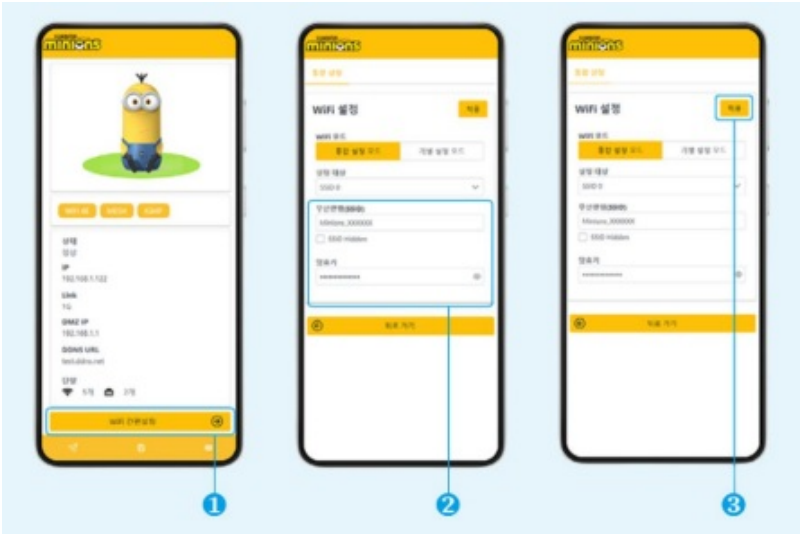
When the QR code is successfully scanned, it will display “Connect to Kevin_XXXXXX network”. Then connect to WiFi by selecting it.

Connecting to administrator web page

① For connecting to administrator WEB, just scan the QR code of [2. Access admin page after WiFi connection] which is printed on the enclosed QR code sticker.

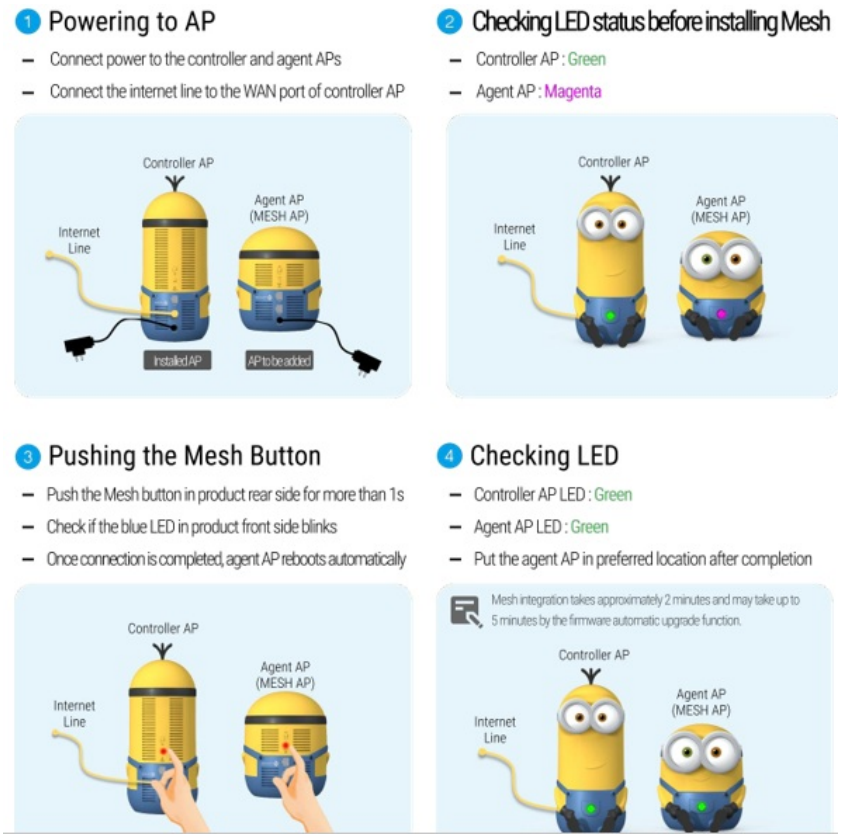
In the popped-up log-in window for the administrator WEB by QR code scan, please log in by entering a password below QR code in the sticker.

Setting up WiFi configuration



1. After successfully logging in administrator WEB, please select the **“Easy WiFi setup“** menu at the bottom of Home screen.
2. Enter the SSID and Encryption Key you want to set
3. Apply the modified values to WiFi router by selecting the **“Apply”** menu
4. Connect to the changed SSID after the “Applying” status is completed

Adding Mesh AP



WiFi Router Usage and Precautions

1. Security Settings

We, Davolink Inc., puts top priority on the security of your network and data. Our WiFi router supports several

advanced security features in order to ensure a safe online experience for you and your family. Here are some essential user-configurable security settings:

- **Firmware Updates**: Regularly updates your router's firmware to keep up with the latest security patches and enhancements. Firmware updates are crucial to protect against potential
- **Password Protection**: WiFi router requires for a strong and unique network password. The password rule includes avoiding common passwords and combination of letters, numbers, and symbols to make it difficult to easily guess the password.
- **Guest Network**: If there are many cases you have guests, it is highly recommended to set up a separate guest network. Since this guest network isolates guest devices from your main network, it protects your sensitive and private data from unauthorized access.
- **Secure Devices**: Check if all station devices connected to your network are updated with the latest security patches. Devices of outdated security version can be easily exposed to security risks, so keeping it updated is crucial.
- **Device Naming**: Rename your devices to easily identify This helps you identify unauthorized devices on your network at once.
- **Network Encryption**: Choose the highest level of encryption, such as WPA3, for securing your network traffic and preventing it from unauthorized (One thing to note is the station device must support it and there might be interoperability issues with older devices.)
- **Remote Management:** Disable remote management of your router unless This reduces the risk of unauthorized access from outside your network.

By configuring those security settings, you can enjoy online experiences more safely and protect your network from potential threats. If you have any question or need technical support with setting up these features, our experienced support team is here to help. Your security is our priority, and we are committed to providing you with the tools you need to stay safe online.

Wireless Frequency, Range, and Coverage

Our WiFi router supports three frequency bands: 2.4GHz, 5GHz, and 6GHz. Each frequency band offers specific advantages, and understanding their characteristics can help you optimize your wireless experience.

- **4GHz Band:** This band provides a wider range in house or office with better permeability. However, due to its heavy use by other WiFi AP, home appliances, speaker, bluetooth, and so on,

2.4GHz band becomes congested more often than not in densely populated areas, and it might result in poor service quality.

- **5GHz Band:** The 5GHz band offers higher data rates and is less prone to interfere with other electronic It is ideal for services requiring faster data rates, such as streaming and online gaming. However, its coverage area can be slightly reduced compared to the 2.4GHz band.
- **6GHz Band:** The 6GHz band, a latest WiFi technologies, provides even more capacity for high- speed wireless connections. It assures excellent data performance for bandwidth-intensive tasks. It should be noted that station must support the 6GHz band to use 6GHz band.

Optimizing Wireless Range:

- **Placement**: For better WiFi range, it is recommended to place the router in a central location of house or office for minimizing number of obstacles between the router and devices.
- **Frequency band:** Select the appropriate frequency band based on your device's capabilities and what you usually do over Internet.
- **Dual-Band Devices:** Devices that support both 4GHz and 5GHz can switch to the less congested band for better performance.
- **Extenders:** Consider using WiFi range extenders to extend coverage in areas with weak
- **6GHz Compatibility:** If your devices support the 6GHz band, take advantage of its high-speed capabilities for applications requiring low latency and high throughput.

By understanding the pros and cons of each frequency band you will be able to well tailor your wireless experience to your needs. Remember, selecting the right frequency band by usage can enhance your wireless performance and range throughout your home or office.

Safety Precautions

Radio Frequency Emission and Safety

This WiFi router operates by emitting radiofrequency (RF) signals to establish wireless connections. It is designed to comply with safety standards and regulations. To ensure safe usage, please adhere to the following:

- **RF Exposure Compliance**: This equipment complies with FCC radiation exposure limits specified for uncontrolled For safe operation, maintain a minimum distance of 20cm between the Wi-Fi Router and your body.
- **Distance**: Ensure that the antennas are installed with a minimum separation distance of at least 20cm from all persons at all And avoid prolonged close proximity to the Wi-Fi router during its operation.
- **Children and Pregnant Women:** The signal strength of wireless communication devices such as Wi-Fi routers adheres to government standards and recommended guidelines, generally ensuring safety. However, sensitive groups such as pregnant women, young children, and the elderly should maintain distance to minimize exposure to electromagnetic field levels when using the devices.
- **Location**: Place the router in a well-ventilated area and avoid positioning it near sensitive equipment, such as medical devices, microwaves, any other antennas or transmitters, to prevent potential interference.
- **Authorized Accessories**: Use only authorized accessories provided by the manufacturer. Unauthorized modifications or accessories may impact the device's RF emissions and safety.

Please note that the router's RF emissions are within the limits established by regulatory authorities. However, following these safety recommendations ensures that exposure remains within safe levels.

Other Safety Precautions

Ensuring the safety of our users is of paramount importance. Our WiFi router is designed with various safety features, and adhering to these precautions will help you enjoy a secure and worry- free wireless experience.

- **Proper Ventilation**: Place the router in a well-ventilated area to prevent Avoid covering the device, which could hinder airflow and lead to potential issues.
- **Secure Placement**: Ensure that the router is placed in a way that cords and cables are not in the way of

children or pets to prevent tripping hazards.

- **Temperature**: Keep the router in an environment within the specified temperature Extreme temperatures can affect performance and longevity.
- **Electrical Safety**: Use the provided power adapter and cable to avoid electrical hazards. Ensure the router is connected to a stable power source.
- **Water and Moisture**: Keep the router away from water and damp environments. Exposure to liquids can damage the device and pose a safety risk.
- **Physical Handling:** Handle the router with care. Avoid dropping or subjecting it to unnecessary impact that could damage its components.
- **Cleaning:** Before cleaning the router, disconnect it from the power Use a soft, dry cloth to wipe the exterior. Avoid using liquid cleaners.
- **Antennas:** If your router has external antennas, adjust them carefully to avoid strain on the connectors. Be cautious not to bend or break them.

By following these safety precautions, you can create a secure environment for both your network and your loved ones. If you have any concerns or require further guidance, feel free to contact our customer support team at [customer support email]. Your safety and satisfaction remain our utmost priority as we strive to offer you a secure and reliable connectivity experience.

Quality Assurance

- We assure this product will not be having hardware defect issue in the normal use within the
- The warranty is 2 years of purchase and is valid for 27 months of manufacture in case the proof of purchase is not possible.
- If you encounter problems while using the product, contact the product vendor

Free Service	**Paid Service**
· Product defect and failure within warranty · Same failure within 3 months of paid service	· Product defect and failure after warranty · Failure by the operation of unauthorized person · Failure by natural disasters, such as lightning, fire, flood, etc. · Defects due to user's mistake or carelessness

Customer Support

For any technical support, please contact our customer support team at **us_support@davolink.co.kr**
For more information, visit our website: **www.davolink.co.kr**

Read More About This Manual & Download PDF:

Documents / Resources

	DAVOLINK DVW-632 WiFi Router [pdf] User Guide DVW-632, DVW-632 WiFi Router, WiFi Router, Router

References

- davolink.co.kr
- davolink.co.kr/
- User Manual