BAUHN ®

E F F O R T L E S S   T E C H N O L O G Y

Indoor / Outdoor Wi-Fi Range Extender

Model Number: IT144052

INSTRUCTION MANUAL

N14410

Indoor / Outdoor Wi-Fi Range Extender

Warranty Details

The product is guaranteed to be free from defects in workmanship and parts for a period of 12 months (dependant on product) from the date of purchase. Defects that occur within this warranty period, under normal use and care, will be repaired, replaced or refunded at our discretion. The benefits conferred by this warranty are in addition to all rights and remedies in respect of the product that the consumer has under the Competition and Consumer Act 2010 and similar state and territory laws.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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Welcome

Congratulations on choosing to buy a BAUHN® product. By doing so you now have the assurance and peace of mind that comes with purchasing a product made by one of the leading manufacturers. All products brought to you by BAUHN® are manufactured to the highest standards of performance and safety and, as part of our philosophy of customer service and satisfaction, are backed by our comprehensive 1 Year Warranty. We hope you will enjoy using your purchase for many years to come.

General Safety Instructions

Read this manual thoroughly before first use and keep it in a safe place for future reference, along with the warranty card, purchase receipt and carton. The safety precautions enclosed herein reduce the risk of fire, electric shock and injury when correctly adhered to. **Follow all instructions and take notice of all warnings to reduce the risk of fire or electric shock.**

- Do not expose the Wi-Fi Range Extender to extreme temperatures. Follow the instructions provided when selecting a mounting location to protect the Wi-Fi range extender from extreme weather conditions.
- Do not remove the cover or the back of this product. There are no user-serviceable parts inside this product
- Do not repair the unit yourself. Only have it serviced by qualified personnel
- Supervise young children to ensure they do not play with the product
- Do not expose product to naked flames
- Avoid banging objects against or dropping the Wi-Fi Range Extender
- Do not place or use near magnets
- Avoid using in extremely dusty or extremely humid conditions
- Do not expose to direct sunlight for long periods of time

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Parts List

a.   1 x Wi-Fi Range Extender
b.   1 x Stand
c.   Metal Pole Clamp
d.   PoE Adaptor

e.   Power Adaptor
f.   10m PoE Cable
g.   1m Ethernet Cable
h.   Plastic Pole Strap

LED Indicators

a) Power: When lit, the power is on.

b) Wireless Activity: Blinks rapidly when wireless data traffic is passing through the Wi-Fi Range Extender.

c) LAN: Shows the connection status and data activity of your local network (network devices connected to the Access Point.

d) POE: Shows the connection status of the LAN port on the PoE Adapter

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Inside Panel

a) Optional External Antenna Port: RJ-SMA antenna connector. Compatible with all antennas with RP-SMA connectors. Upgradable to high gain antennas for more range. See the External Antenna configuration section for setup procedures.

b) PoE Port: Power over Ethernet capable RJ-45 port used to connect the Wi-Fi Range Extender to the included PoE Adapter for power and data connectivity.

c) LAN Port: RJ-45 port used to connect additional network devices to the Wi-Fi Range Extender.

Power over Ethernet (PoE) Adapter

a) **Power Adapter Port:** Connect the included power adapter to the PoE adapter port for powering the Wi-Fi Range Extender.

b) **Repeater Port:** Connect a PoE cable between the PoE Adapter's Repeater port and the PoE port on the Wi-Fi Range Extender to provide power and data to the Wi-Fi Range Extender.

c) **LAN Port:** Connects to your PC for setup or other wired networking devices for wired network access.

d) **Reset Button:** The easy to access reset button is located on the back of the PoE Adapter. Pressing the reset button will reboot the Wi-Fi Range Extender. To reset the Wi-Fi Range Extender to default settings, hold the reset button down for 5-10 seconds and release.

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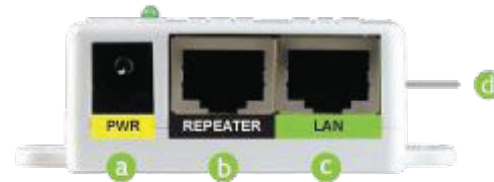
SETUP GUIDE

Find a Setup Location

The location of where you setup the Wi-Fi Range extender is very important. The optimal setup location should be within 3m of your router and modem. Once setup is complete the extender can be repositioned halfway between your wireless router and your wireless dead zone.
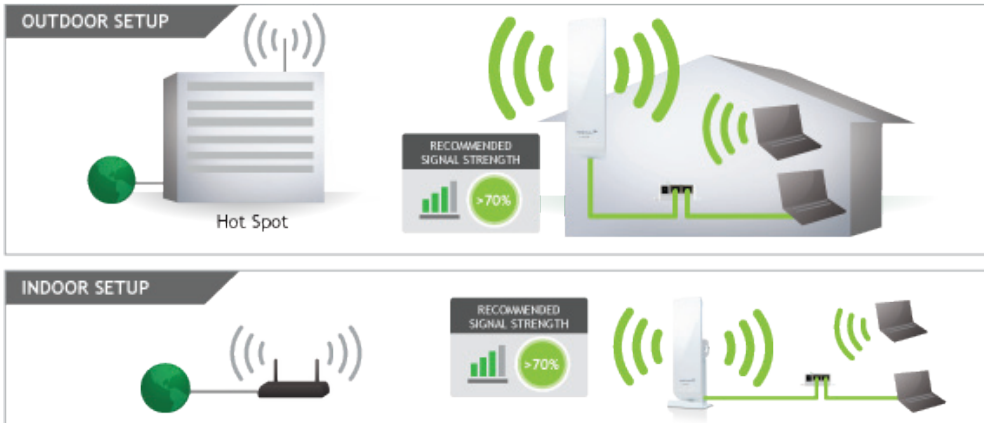
When mounting outdoors, the Wi-Fi extender must be mounted under the eaves of a building, sheltered from severe weather conditions and direct sunlight.

When mounting indoors, choose a location which is high, and positioned out of direct sunlight.
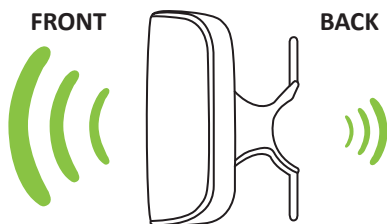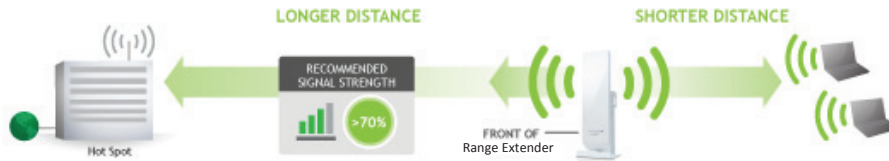
Find the Optimal Position for the Wi-Fi Range Extender

Choose the option below that best fits your installation scenario. For best results, the signal strength between the Wi-Fi Range Extender and the Home Network / Hot Spot should be greater than 70%.

FRONT **BACK**

NOTE: Antenna strength is directional. Signal strength from the front of the extender is very strong. Weaker signal from the back, weakest signal from the sides.
Face the extender in the direction you wish to project your wireless network signal.

Option 1: Front facing the Hot Spot

LONGER DISTANCE   SHORTER DISTANCE

RECOMMENDED SIGNAL STRENGTH   >70%

Hot Spot

FRONT OF Range Extender

Option 2: Back facing the Hot Spot

SHORTER DISTANCE   LONGER DISTANCE

RECOMMENDED SIGNAL STRENGTH   >70%

Hot Spot

FRONT OF Range Extender

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Mounting Instructions

Desktop Mounting
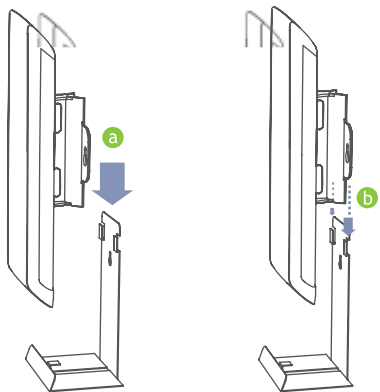
a)   Place the stand in an optimum location.

b)   Secure the Wi-Fi Range Extender onto the desktop mount.

Mounting Instructions

Wall Mounting
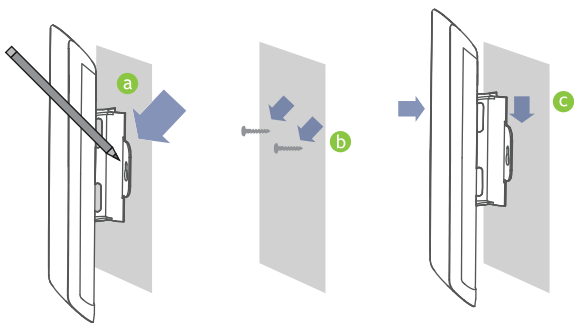
a)   Place the Wi-Fi Range Extender against the wall, use a pencil and mark two locations through the mounting hole on the wall.

b)   Remove the Wi-Fi Range Extender and securely drill two screws where you've marked on the wall.

c)   Now, mount the unit onto the secured screws.

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Mounting Instructions

Pole Mounting
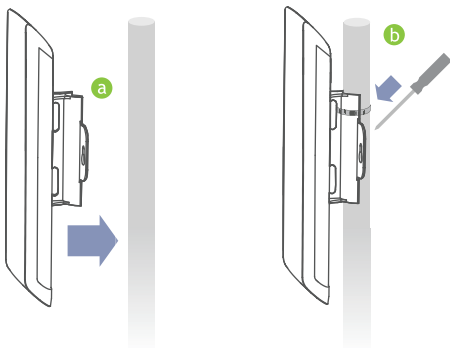
a)   Place the Wi-Fi Range Extender against the pole.

b)   Use the included hose clamp and secure it through the smaller hole located on the bottom of the mounting bracket. Use a screw driver to tighten the clamp until the adapter is securely mounted to the pole.

Accessing The Smart Setup Wizard

FIG. A
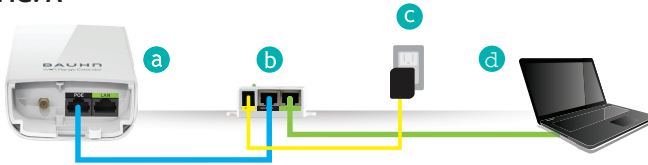
FIG. B

a. Connect cables as shown (fig. A)
b. Disconnect your computer from any wireless networks (fig. B)
c. Open your web browser
d. Type http://192.168.1.240 into the web address bar

Bauhn Wireless · Windows Internet Explorer

http://192.168.1.240

Favorites   Bauhn Wireless
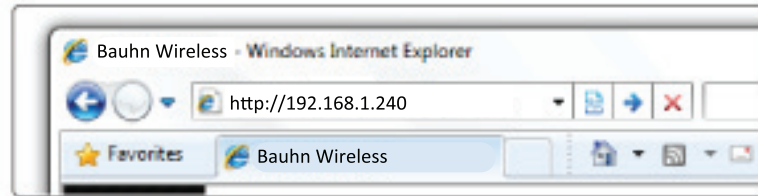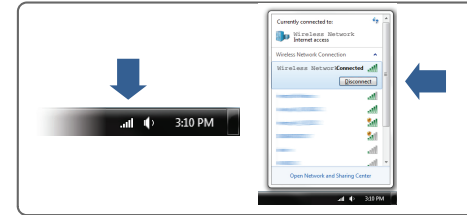
Enter the setup web address into your browser:

http://192.168.1.240

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Welcome to the Smart Setup Wizard

When the web menu appears, click Next to continue to the next page.

The diagram on this page displays the terms used to describe:

1)   The network you are trying to repeat (Home Network / Wireless Hot Spot)
2)   The network that is rebroadcasted and extended (Extended Network)

Study this diagram carefully as the terms used in the following instructions will refer to these names.

Scan for a Wireless Network

Click SCAN to begin searching for available wireless networks to repeat.

Highlight your network and click Next to continue.

If you fail to find any wireless networks, the Wi-Fi Range Extender may be placed too far from the wireless network that you are trying to repeat. Move your Wi-Fi Range Extender closer to the wireless network that you are trying to repeat and click SCAN again.
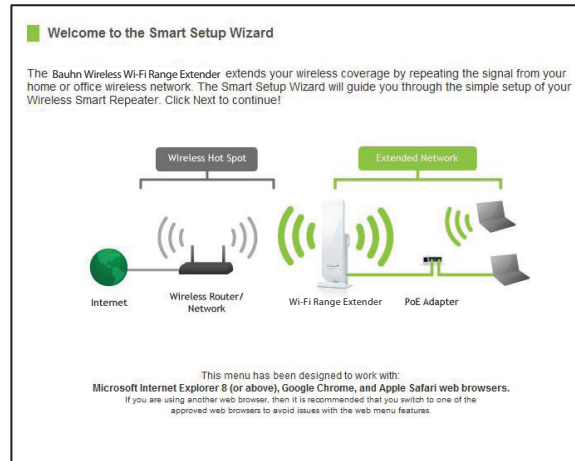

The Scan results page will display information regarding the name of the network (SSID), the wireless channel and the network details. AP stands for Access Point and is the standard type of wireless network. The results page will also display whether or not your network has security and what the signal strength is coming from each specific network detected. Ensure that the network you are repeating has a signal strength of at least 70%. If it does not, reorient the Wi-Fi Range Extender or your wireless router to achieve a signal strength of 70% or greater.

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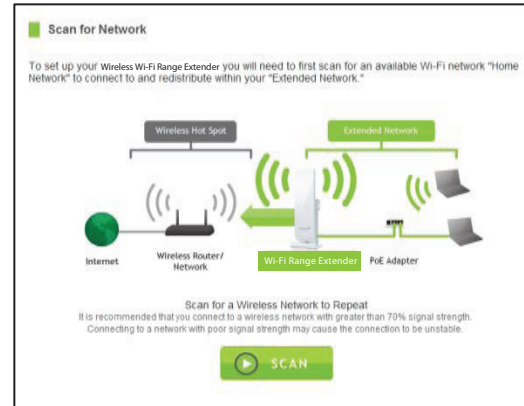
Connecting to a Secure Network

If the wireless network you are trying to repeat has wireless security enabled, you will be prompted to enter a security key. If you did not select a secure network, continue to the next step.

Enter the security key in the space provided. You do not need to select what type of security it is, just simply type in the key and click Next.

The Smart Setup Wizard will automatically take care of the rest. If the key you entered is incorrect it will prompt you to enter the key again. If you do not know the key to the network you are trying to repeat, then click Back and select another network.

After Sales Support

Telephone: 1300 663 907
Internet: www.winplus.com.au

Extender Settings (SSID)

The default SSID of the Wi-Fi Range Extender is:
Bauhn_Wireless

This SSID for the Extended Network may be changed
by adjusting the name in the field for the Extended
Wireless Network ID.

This ID will be used by wireless users connecting to
the Wi-Fi Range Extender to identify the Wi-Fi Range
Extender 's Extended Network.

It is recommended to use the default settings.

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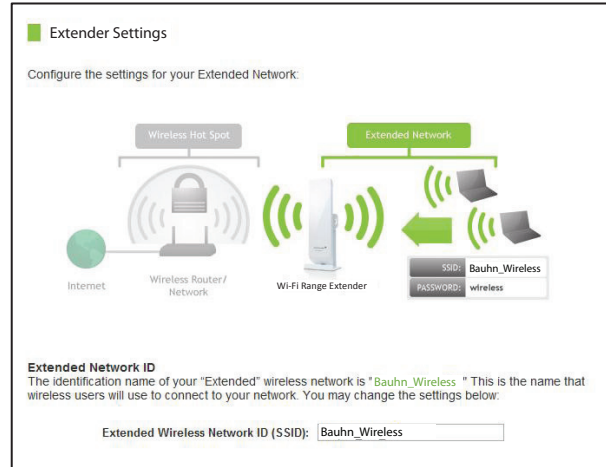
Extender Settings (Security)
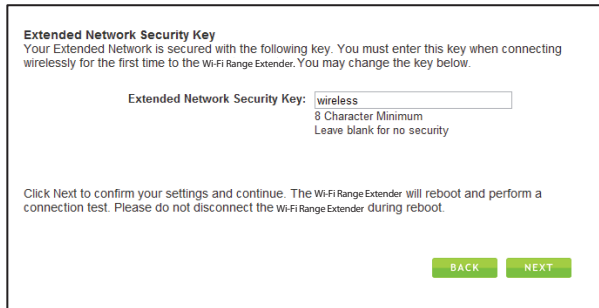
By default, the Extended Network has security enabled. The WPA security key is "wireless." Users trying to connect to the Wi-Fi Range Extender wirelessly will be prompted to enter this key.

It is recommended that you use the default settings for the wireless security key.

Extended Network Security Key
Your Extended Network is secured with the following key. You must enter this key when connecting wirelessly for the first time to the Wi-Fi Range Extender. You may change the key below.

Extended Network Security Key: | wireless |
8 Character Minimum
Leave blank for no security

Click Next to confirm your settings and continue. The Wi-Fi Range Extender will reboot and perform a connection test. Please do not disconnect the Wi-Fi Range Extender during reboot.

BACK   NEXT

To change the security key, simply retype your new key in the field and click Next. Write your security key down somewhere safe for future reference.

No security key is necessary for computers connecting to the Wi-Fi Range Extender using a wired connection to the LAN ports.

After clicking Next, the Wi-Fi Range Extender will reboot and apply your settings. Be patient and do not make any changes or adjustments to the Wi-Fi Range Extender at this time.

Setup Summary

Once the Wi-Fi Range Extender has rebooted, it will load the Setup Summary page and provide you with the details of your setup.

At this time you may disconnect from the Wi-Fi Range Extender and start a wireless connection.

Disconnect the Wi-Fi range extender from your computer by removing the LAN cable.

Connect to your newly created extended network using your computer's wireless connection.

Windows 7 (example)

Click on the wireless icon to see available wireless net works. Select your newly created extended network from the network list, and click "Connect".

Enter your password to complete the process.

■ Setup Summary

Congratulations, the Wi-Fi Range Extender is now successfully connected to your Home Network. You may disconnect from the Wi-Fi Range Extender and connect wirelessly or attach additional computers and devices to the wired network ports on the back of the Wi-Fi Range Extender .

Home Network Settings:

SSID:	Bauhn Wireless
Channel Number:	3
Encryption:	WPA2
BSSID:	
State:	Connected

Extended Network Settings:

SSID:	Bauhn_Wireless
Encryption:	WPA
IP Address of the Repeater:	192.168.1.2
Subnet Mask:	255.255.255.0
Default Gateway:	192.168.1.1
DHCP Server:	Auto
MAC Address:	11:22:33:44:55:66

If the Home Network / Hot Spot connection fails, then try the following…

a. Check that the signal strength between the Wi-Fi Range Extender and your Home Network/Wireless Hot Spot is above 70%. If it is not, you may need to reposition the Wi-Fi Range Extender.

b. Check to see that your Home Network / Hot Spot security settings are correct.

c. Check that your Home Network router's DHCP server is enabled.
    Contact your router manufacturer for further information on DHCP server settings.

d. Try changing the channel of the Home Network router to a higher channel number (5-11) and run the Setup Wizard again.

e. If possible, check the Internet connection for your Home Network wireless router. Connect directly to your Home Network wireless router.   If you are unable to access the internet through the Home Network wireless router you must first fix this problem. The Wi-Fi Range Extender will not be able to obtain internet access through a router that does not have internet access. Once Internet access is restored, connect to the Wi-Fi Range Extender again and retry the Smart Setup Wizard.

f. Return to the Smart Setup Wizard and attempt to connect to another Home Network known to have Internet access.

g. Try to reboot (unplug the power from the Wi-Fi Range Extender and plug it back in) the Wi-Fi Range Extender and check to see if the connection is established (some networks may be very slow and take longer than the allotted time for the Wi-Fi Range Extender to successfully connect).

WIRELESS SETTINGS

To modify the settings of your Wi-Fi extender at any time, navigate your web browser to http://192.168.1.240

On the left side of the page, select "More Settings" to access the advanced features and manual settings detailed in the following pages.

Home Network Settings
The Home Network Settings page allows you to adjust settings for your Home Network connection. These settings are for adjusting the Wi-Fi Range Extender after you have already gone through the Smart Setup Wizard and wish to adjust your current configurations.

Home Network SSID: Manually enter the Identification name of the Home Network you wish to connect to.

Channel Number: Enter the channel number of the Home Network. If the channel number does not match, a connection will not be established.

Channel Width: Wi-Fi operates in two separate channel widths, 20Hz and 40Hz. 20Hz allows operation on channels 1-11, while 40Hz is 5-11. 40Hz allows for faster speeds. Select the channel width you wish to use for your network. This setting must match that of your Home Network for a successful connection.

Home Network Settings

Manually configure the settings for your Home Network connection

Wireless Hot Spot   Extended Network

Internet   Wireless Router/   Wi-Fi Range Extender   PoE Adapter
            Network

Home Wireless Connection
Home Network SSID:
Channel Number: 11 ▾ Must be same as your Home Network router
Channel Width: 40MHz ▾
Control Sideband: Upper ▾

If you are manually setting your Home Network connection, you will need to enter the security setting in the Security page for your Home Network. After clicking Apply on this page, click Reboot Later and go to the Security page to set your security settings. Click Reboot Now after all settings are applied. (The Range Extender cannot connect to your Home Network until all settings have been set and applied.)

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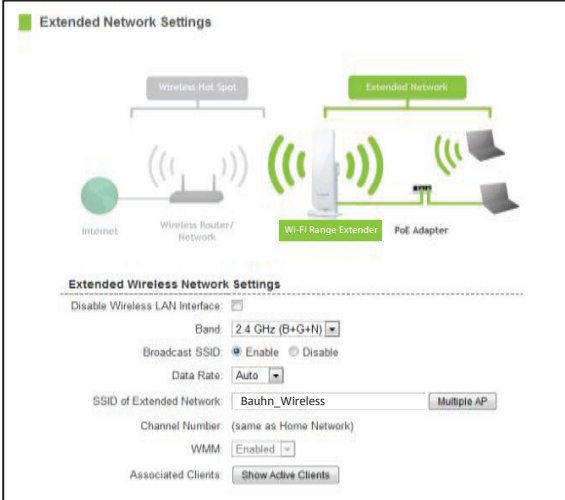
Extended Network Settings

The Extended Network Settings page allows you to adjust settings for your Extended Network.

Band: Allows you to setup access under a specific combination of Wi-Fi speed standards.

Broadcast SSID: Disabling the broadcasting of your SSID will make it so outside users cannot see your network when they scan for wireless networks. Users must manual enter the SSID to connect.

SSID of Extended Network: This is the name of your Extended Network.
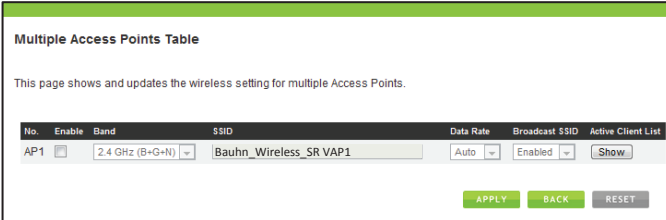
Click the "Multiple AP" button to access the multiple access points menu.

The additional AP or SSID can have its own security, band and data rate settings. You may restrict users for the specific SSID or provide access only to some users with lower bandwidth by changing the band. (i.e. only allow 802.11b access to specific users)

Show Associated Clients: View all computers and network devices that are connected to your Extended Network wirelessly.

Security

Wireless security allows you to change the type of wireless security settings for your Extended Network or your Home Network.

Note: If you adjust the security in your Home Network and it is incorrect, you will no longer have a successful connection to your Home Network.

Using the drop down menu, you can select which network you wish to configure and adjust the security settings below.

If you are using the Multiple AP/SSID feature, you will be able to adjust the security settings for your additional SSIDs here as well.

Wi-Fi Protected Setup (WPS)

WPS is a Wi-Fi feature created to make Wi-Fi setup simpler and easier. Some wireless routers and adapters support this feature with varying names (i.e. one touch setup or WPS).

You may enable WPS setup here by selecting the type of WPS setup you wish to use. The Wi-Fi Range Extender supports all types of WPS setup:

Push button: You may push the WPS button on the web menu. The Wi-Fi Range Extender does not have a physical WPS button.

OPTION A, Push Button:
You may push the WPS button on the web menu. The Wi-Fi Range Extender does not have a physical WPS button

OPTION B, Router PIN number:
If your wireless device asks for the Wireless Extender's PIN number, it is listed on the Range Extender rating plate.

OPTION C, Device PIN number:
If your wireless device has an associated PIN number, enter it here

Antenna Settings

The Wi-Fi Range Extender includes an internal High Power Antenna, however, if you wish to use an external antenna instead of the internal antenna, you may activate the External Antenna port here.

The External Antenna Port is a RJ-SMA port and accepts RP-SMA antenna connections. It is compatible with most high gain antennas.

It is important that you attach the external antenna to the External Antenna Port BEFORE activating the External Antenna Port to avoid damage to the Wi-Fi Range Extender.

After you have attached the external high gain antenna, select the External Antenna selection under Active Antenna and click Apply. After the Wi-Fi Range Extender reboots, your external antenna will be active and ready for use.

Antenna Settings

The Wi-Fi Range Extender includes an internal High Power Antenna. If you wish to use an external antenna instead of the High Power internal antenna, activate the external antenna below.

Important:

Attach your antenna to the External Antenna port on the Wi-Fi Range Extender (remove the lid on the bottom of the Wi-Fi Range Extender to access the External Antenna connector) BEFORE activating the External Antenna to avoid damage to the device.

Active Antenna: ○ Internal Antenna ○ External Antenna

APPLY   RESET

Advanced Settings

It is recommended that only experts in Wi-Fi configuration adjust the advanced wireless settings for the Wi-Fi Range Extender.

These settings allow you to control the details of your wireless network configuration.

SMART FEATURES

The Wi-Fi Range Extender provides your Extended Network with Smart Features that help to provide convenience and protection for your Extended Network.

The Smart Features allow you to control access to your Extended Network through on/off schedules, specific user authorizations as well as through the size of your wireless coverage for your Extended Network.

Note: These settings are ONLY for your Extended Network and do not apply to your Home Network.

Access Schedule

You can set a schedule for when your Wi-Fi is enabled or disabled (both Home Network and the Extended Network) through the Access Schedule feature.

a. Enable Access Schedule
b. Select which days you wish for your Wi-Fi to be available
c. Select the time frame during that day that you wish for Wi-Fi to be available
d. Apply Changes

Enabling Access Schedule will also disable Internet access for wired connections.

Note: Make sure you have already configured your Time Zone Settings in order for your schedule to work correctly. Time Zone Settings can be adjusted from the web menu under Management > Time Zone Settings.

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User Access Control

User Access allows you to deny access or allow access to specific users connecting wirelessly to the Extended Network. Each networking device has a unique address called a MAC address (a 12 digit hex number).

By inputting the MAC address into the field, you can define whether that device is allowed into your network or not allowed.

Wireless Coverage Controls

Adjust the output power of the Wi-Fi Range Extender to control the coverage distance of your Extended
Wireless Network. For a smaller coverage area you can select a lower output power. For the maximum
wireless coverage select the 100% selection. Note that if you select a lower output power, your connection to
your Home Network will also decrease in range. So be careful and test your signal strength after each
adjustment.

Wireless Coverage Controls

Adjust the output power and range of your Extended Wireless Network. For a smaller coverage area,
choose a lower output power percentage. For a larger coverage area, select a higher output power
percentage.

Wireless Output Power: ● 100%   ○ 70%   ○ 50%   ○ 35%   ○ 15%

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IP SETTINGS

IP Address: The IP address of the Wi-Fi Range Extender

Subnet Mask: the subnet of the Wi-Fi Range Extender
Default Gateway: The access point to another network, normally the Wi-Fi Range Extender or your router.

DHCP: The Wi-Fi Range Extender includes a complex AUTO DHCP feature to help manage the IP addresses within your Extended Network and with your Home Network. By default, the DHCP is set to Auto mode; when connected to a Home Network the Wi-Fi Range Extender will obtain an IP address from yourHome Network's router and act as a DHCP Client. However when there is no connection available, the Wi-Fi Range Extender will act as a DHCP Server. You may also manually control the IP settings of the Wi-Fi Range Extender by choosing, Client, Server or Disabled from the DHCP drop down menu. This is only for advanced users.

DHCP Client Range: The range of IP addresses the Wi-Fi Range Extender's DHCP server will assign to users and devices connecting to the Wi-Fi Range Extender

Static DHCP: You may set a static IP address within your DHCP network. The Wi-Fi Range Extender will track the device via its MAC address and assign it a pre-defined IP address each time the device logs into the network.

Auto-Load Menu: The Wi-Fi Range Extender automatically loads the web based Smart Setup Wizard when it detects that there is a problem with your home network connection. To turn this feature off, disable the Auto-Load menu feature.

Domain Name: The Domain Name allows you to change the URL which is used to access the Setup Menu for the Wi-Fi Range Extender For example, entering http://setup.bauhnwireless.com into your web browser while connected to the Wi-Fi Range Extender, will guide you to the Web menu for the Wi-Fi Range Extender By changing the Domain Name, you will change the URL entered to access the Web menu. If you forget the Domain Name you entered and can no longer access the Web menu, then you will need to reset your Wi-Fi Range Extender to default settings by holding down the reset button on the back panel for 5 -10 seconds.

802.1d Spanning Type (STP): A network protocol that ensures a loop-free topology for networks that have Ethernet bridges. The STP prevents bridge loops and allows a network design to include redundant links to provide automatic backup paths if active links fails.

Clone MAC Address: The Wireless Extender can use a MAC address that you define as its own. This is often used when an Internet Provider only authorizes one MAC address to access the Internet. Cloning the MAC address will make it so that the cloned MAC address is the only MAC address seen by the Internet Provider.

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MANAGEMENT FEATURES

The Management features on the Wi-Fi Range Extender allow you to view the status of your Home Network and Extended Network.

The Extender Status page provides full information regarding each connection (Home and Extended), including the IP address, current connection SSID and current state. This page is often used to check the health of your Home or Extended Network connection.

Extender Status

The Wi-Fi Range Extender Status page provides detailed information regarding the system, wireless network and configurations as well as the current IP settings of the The Wi-Fi Range Extender. This page is often used to check the health of your wireless network and the link to your home router/hot spot network.

Home Network / Hot Spot Wireless Settings: This section displays the details of the connection between the Wi-Fi Range Extender and your Home Network / Hot Spot. The connection state will let you know whether or not a connection is established. Below that is the Signal Strength between the Wi-Fi Extender and your home network. When adjusting the position or orientation of your Wi-Fi Range Extender, you may refresh this page to view the updated connection signal strength and continue adjusting until you have reached the best signal possible.

■ Wi-Fi Range Extender Status

System Information
Uptime:	0day:0h:12m:31s
Firmware Version:	v1.2f
Build Time:	Tue Aug 23 10:50:36 CST 2011
Current Date / Time:	8/23/2011 11:03:05
Active Antenna:	Internal

Home Network Wireless Settings
Band:	2.4 GHz (B+G+N)
SSID:	Bauhn_Wireless_Main
Channel Number:	9
Encryption:	WPA2
BSSID:	00:10:1a:ef:12:36
Connection State:	Connected
Signal Strength:	88%

Extended Network Wireless Settings
SSID:	Bauhn_Wireless_Ant
Encryption:	WPA
BSSID:	00:26:b8:5b:66:cc
Associated Clients:	1

Pro Smart Repeater IP Settings
Attain IP Protocol:	Fixed IP
IP Address:	192.168.3.171
Subnet Mask:	255.255.255.0
Default Gateway:	192.168.3.254
DHCP Server:	Auto
MAC Address:	00:10:1a:ef:12:34

Network Statistics

The Network Statistics page provides detailed traffic data for each connection type.
To sync your system clock with the Wi-Fi Extender, by pressing "Sync", then press "Apply".
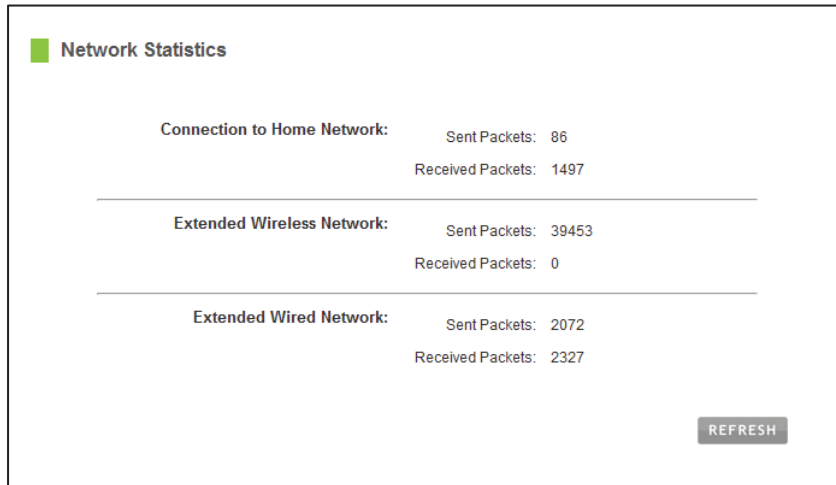
System Clock

Maintain the internal clock for the Wi-Fi Range Extender by syncing with your computer's time. Your system clock settings need to be accurate in order for logs and wireless access schedules to work correctly.
To sync your system clock with the Wi-Fi Extender, Press 'Sync' then press 'apply.'

■ **System Clock**

Maintain the system clock settings by syncing the system time with the time on your computer. The Wi-Fi Range Extender's clock is used to make sure your Access Schedules and logs function correctly and on time.

Current Time: Year [   ]
                Month [   ]   Day [   ]
                Hour [   ]   Minute [   ]   Sec [   ]

Sync with your computer: [Sync]

[APPLY]   [RESET]   [REFRESH]

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System Logs

The system log will display the activity history of the Wireless Extender. It is recommended that you enable all logs in the event that troubleshooting is required.

Note: All log entries will be deleted each time the Wireless Extender reboots or is powered off.

Upgrade Firmware

The Wi-Fi Range Extender uses internet software (firmware) to operate. In the event that a new firmware file is available you may update it here.

During the upgrade process DO NOT power off the device to avoid damage to the Wi-Fi Range Extender.

To manually upgrade your firmware:

a. Download the file from the www.winplus.com.au/support website and remember the location where you saved it.
b. Click Browse and locate the file
c. Click Upload to begin upgrading.

Note: Firmware files normally have a .bin file extension.

Save/Reload Settings

Saving your current settings allows you to back-up your current settings which may be reloaded at a later time. This feature may be useful for testing new features and settings without having to worry about returning to a stable platform.

Save/Reload Settings

Save your current Wireless Wi-Fi Range Extender configurations to a file or reload previously saved configurations. If needed, you may also reset your Wireless Wi-Fi Range Extender to factory default settings.

Save Settings to File: [Save]

Load Settings from File: [Choose File] No file chosen   [Upload]

Reset Settings to Default: [Reset]
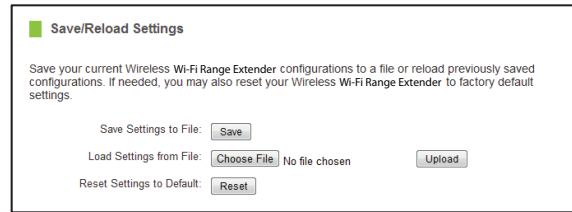
To save current settings:

a.   Click Save
b.   Select a file name and location

To load previously saved settings:

a.   Click Browse
b.   Locate the previously saved settings file
c.   Click Upload to restore the settings to the saved file.

You may also reset the Wi-Fi Range Extender 's settings to factory settings by pressing Reset. By resetting the Wi-Fi Range Extender you will lose all previous configurations and will need to run the Smart Setup Wizard again to reconnect to a Home Network.

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Password Settings

By default, the Wi-Fi Range Extender does not require a password to login to the web menu. If you wish to enable a password to protect unauthorized access to the web menu and Smart Setup Wizard, you may enter one here.

Password

Prevent unauthorized access to your Wireless Wi-Fi Range Extender's web-based configuration menu by providing a user name and password. If no protection is necessary, leave these fields blank and you will not be prompted for a login and password when accessing this web menu.

User Name:

New Password:

Confirmed Password:

TECHNICAL SPECIFICATIONS

Wireless Standard:	802.11n (Backwards compatible w/ 802.11b/g)
Frequency Band:	2.4 GHz
Wireless Amplifier Power:	600 mW
Wireless Output Power:	Up to 29 dBm
Wireless Sensitivity:	-95 dBm
Wireless Security:	WEP, WPA, WPA2, WPA Mixed, WPS
Antennas:	1 x High Gain Bi-Directional Panel Antenna
	1 x RJ-RMA Port for Optional External Antenna
Ports:	Repeater: 2 x RJ-45 Ports (PoE, LAN)
PoE Adapter:	2 x RJ-45 Ports (PoE, LAN)
Power Adapter Rating:	Switching Adapter, Input: 100-240v, Output: 12v, 1A
Setup Requirements:	An available 802.11b/g/n Wi-Fi network
Single Unit Range:	Approximately 50-500m depending on materials within line of sight

DEFAULT SETTINGS

The default settings for your Wi-Fi Range Extender are listed here. If for some reason you need to return your Wi-Fi Range Extender back to default settings, hold down the Reset button on the back panel for 10 seconds. The Wi-Fi Range Extender will reset back to factory settings as listed below:

IP Address: 192.168.1.240

DHCP: Auto

Web Menu Access: http://192.168.1.240

SSID: Bauhn_Wireless

Security Key (WPA/AES): wireless

Troubleshooting

The tips in this guide are listed in order of relevance. Try solution (a) before trying solution (b) etc…

I entered http://192.168.1.240 and it failed to open the Web Menu.

a. Make sure your computer is connected to the Wi-Fi Range Extender /PoE Adapter using the included Ethernet cable. Make sure your computer is NOT connected to ANY wireless networks. Disconnect your computer from any wireless networks and try to access the web menu again.
b. Close your current web browser and reopen it. Try the web address again.
c. Try to use a different web browser. We recommend the Google Chrome web browser.
d. Try to open your web browser to the default IP address by putting this number into your web browser instead: 192.168.1.240
e. Power off (unplug the power adapter) the Wi-Fi Range Extender and power it back on. Try again.
f. Reset your Wi-Fi Range Extender to default settings by holding the Reset Button (located on the back of the PoE Adapter) for five to ten (5-10) seconds and try again.

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I cannot connect to my Home Network/Hot Spot. I received an Error when running the Smart Setup Wizard.

   a.   Your Home Network may be secured. Double check that you have the correct security key to connect to the Home Network.
   b.   Try adjusting the channel number of your Home Network's router to channel 5 thru 11. Then attempt the Smart Setup Wizard again.
   c.   Check to see that your Home Network router's DHCP server is enabled. The Wi-Fi Range Extender needs to obtain an IP from your Home Network router.
         Contact your router manufacturer for details on your router DHCP server settings.

I cannot find my Home Network/Hot Spot when scanning for wireless networks in the Smart Setup Wizard

   a.   Setup the Wifi Extender within 3m of your router and ensure all settings are OK before relocationg the extender. The Wi-Fi Range Extender may be out of range. Move the Wi-Fi Range Extender closer towards the wireless router and try the Setup Wizard again from the Web Menu.
   b.   The Home Network may be a dual band wireless router. The Wi-Fi Range Extender supports 802.11b/g/n 2.4GHz routers. If your Home Network uses a dual-band router, it will not work with the Wi-Fi Range Extender. Adjust the dual-band router's configuration to disable the 5GHz band.
   c.   Go to the Smart Features tab in the web menu and access the Wireless Coverage Controls. Make sure the setting is at 100% and try again.
   d.   Make sure that your Home Network's wireless SSID is broadcasting and not hidden.

My Wi-Fi Range Extender was working fine previously but now I can no longer access the Internet through the Wi-Fi Range Extender.

a. The connection to your Home Network has been dropped. This can be caused by several events to your home wireless connection. When this occurs you may rescan for another network by accessing http://192.168.1.240 to connect to and repeat or you may try to fix the issues with your Home Network/Hot Spot.

b. The connection to the Home Network/Hot Spot may be unstable. Move the Wi-Fi Range Extender closer to the Home Network/Hot Spot and try to connect again.

c. If you cannot access the setup menu, check to see that your Wi-Fi Range Extender is still on. Reboot the Wi-Fi Range Extender by unplugging the power adapter and plugging it back in. Check to see if your connection has been reestablished by viewing a website. If you do not have a connection, logon to http://192.168.1.240 tand configure a new Home Network Connection.

d. Check to see that your home wireless router is still on. If it has been turned off please turn it back on. The Wi-Fi Range Extender should automatically reconnect to your Home Network within 10 minutes.

e. Check to see that your home wireless router settings have not changed. Any changes to the SSID, security, or channel number from the original settings will disconnect the Wi-Fi Range Extender's connection to the home network. If you are not sure which settings have been changed, simply run the Smart Setup Wizard again from the web menu and reconfigure your Home Network connection.

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I have a dual-band router and I cannot repeat it.

a. Log into the Web Menu for your dual-band wireless router and adjust the wireless settings. Change the wireless band to 2.4GHz single band mode only. Disable the 5GHz wireless band.

I cannot find any wireless networks (Home Networks/Hot Spots) to repeat.

a. The Wi-Fi Range Extender may be out of range.   Move the Wi-Fi Range Extender closer towards the wireless router and try the Setup Wizard again from the Web Menu.
b. The antenna on your Wi-Fi Range Extender may be loose.   Tighten the antenna connection and try again.
c. The wireless Home Network/Hot Spot may not be a compatible wireless network (802.11b/g/n).

I am connected to a Home Network/Hot Spot however I do not have Internet Access

a. The Home Network/Hot Spot itself may not have Internet access. Check to see that you have internet access by connecting directly to the Home Network first. If you are able to go online then this is not a problem.   If you cannot go online, then the Home Network's Internet connection must first be resolved.

b. You may have a DNS issue and the Wi-Fi Range Extender is not obtaining the IP seﬃngs from your Home Network. Try to reboot the Wi-Fi Range Extender and then accessing a website. If that fails, then reboot the Home Router to see if that ﬁxes it.

c. There may be an IP conflict with your Home Network and your Extended Network. Try to adjust the IP Seﬃngs of your Extended Network using IP values that are diﬀerent from your Home Network.

I can no longer connect to the Wi-Fi Range Extender wirelessly.

a. Power on and oﬀ the Wi-Fi Range Extender and try again.

b. The connecﬁon to the Home Network may be down. Use an Ethernet cable and connect directly to the Wi-Fi Range Extender Access http://192.168.1.240 and run through the Smart Setup Wizard again. Aﬅer you have successfully reset the Home Network connecﬁon, try connecﬁng wirelessly again.

I could NEVER log onto the Wi-Fi Range Extender wirelessly.

a. Check that your wireless adapter supports WPA2 wireless security. If it does not then you will need to change the wireless security on the Wi-Fi Range Extender . Go to the Web Menu, select Wireless Seﬃngs and then Wireless Security. Select the Extended Network from the drop dow n menu and either disable security or downgrade the security to WEP. Try connecﬁng again.

b. The connection to the Home Network may be down. Use an Ethernet cable and connect directly to the Wi-Fi Range Extender Access http://192.168.1.240 and run through the Smart Setup Wizard again.   After you have successfully reset the Home Network/Hot Spot connection, try connecting wirelessly again.

I can no longer access the Web Menu or the Wi-Fi Range Extender no longer responds.

a. Connect to your Wi-Fi Range Extenderand try to access http://192.168.1.240 using your web browser.
b. If you are advanced in networking troubleshooting, log onto your home router's web interface. Look for the DHCP client list and try to find the IP address of your Wi-Fi Range Extender assigned by your home router. Once you have it, connect to the Wi-Fi Range Extender using an Ethernet cable. Open your web browser and enter the IP address into the address bar.
c. Reset the Wi-Fi Range Extender back to default settings and try the Smart Setup Wizard again. To reset the Repeater back to default settings, push the Reset Button (on the back of the PoE Adapter) down for five to ten (5-10) seconds then let go.   After the Wi-Fi Range Extenderhas fully reset, use an Ethernet cable and connect to the Wi-Fi Range Extender .   Login to the Web Menu at http://192.168.1.240 and run through the Wizard.

The connecon to the Home Network/Hot Spot seems slow. File transfers take a long me to transfer.

a.   The Wi-Fi Range Extender may be too far away from your Home Network/Hot Spot. The closer the Wi-Fi Range Extender is to your Home Network/Hot Spot, the beer its connecon will be. The Wi-Fi Range Extender must have a strong signal (70% or greater) in order to repeat the signal with fast speeds and further range. Move the Wi-Fi Range Extender closer to your Home Network/Hot Spot and try again. You may also try turning the Wi-Fi Range Extender around so the back is facing the Hot Spot and try again.

b.   You may be downloading from the Internet and not within your Home Network or Extended Network. Files transferred through the Internet are limited by your ISP speed and the data download speeds from the website that you are downloading from.

c.   Your computer may be using an older Wi-Fi adapter with lower speed limits (802.11b/g).

The range from the Wi-Fi Range Extender seems low

a.   Check to see that your wireless output sengs are at 100%. Go to the Web Menu, Wireless Sengs and check the Advanced Sengs. Make sure the output power is at 100%.

b.   Your Wi-Fi Range Extender may be installed in a poor locaon.   Avoid seng up your Wi-Fi Range Extender in areas with high interference, such as, near fridges, microwaves, metallic objects and low surfaces. Install the Wi-Fi Range Extender in a higher locaon if possible.

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c. Check the connecƟons of the Antennas to the Wi-Fi Range Extender. Tighten them if necessary.

d. Adjust the Antennas of the Wi-Fi Range Extender in diﬀerent angles.

My Wireless Access Schedule is being erraƟc and not working at the correct Ɵmes.

a. You need to adjust your Time Zone Seƫngs from the Management Web Menu page.

WiFi Protected Setup (WPS) is not working. There is no connecƟon detected.

a. The Wi-Fi Range Extender supports WPS connecƟons (through the web menu only) however some companies may use proprietary code for their own push buƩon conﬁguraƟons. Try connecƟng using the Windows wireless uƟlity or Mac wireless uƟlity instead.

Notes:

After Sales Support

Telephone: 1300 663 907
Internet: www.winplus.com.au

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Indoor / Outdoor Wi-Fi Range Extender

Repair and Refurbished Goods or Parts Notice

Unfortunately, from time to time, faulty products are manufactured which need to be returned to the Supplier for repair.

Please be aware that if your product is capable of retaining user-generated data (such as files stored on a computer hard drive, telephone numbers stored on a mobile telephone, songs stored on a portable media player, games saved on a games console or files stored on a USB memory stick) during the process of repair, some or all of your stored data may be lost. We recommend you save this data elsewhere prior to sending the product for repair.

You should also be aware that rather than repairing goods, we may replace them with refurbished goods of the same type or use refurbished parts in the repair process. Please be assured though, refurbished parts or replacements are only used where they meet ALDI's stringent quality specifications.

If at any time you feel your repair is being handled unsatisfactorily, you may escalate your complaint. Please telephone us on SUPPLIER TELEPHONE or write to us at:

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PO BOX 537
BAYSWATER BUSINESS CENTRE VIC 3153

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