

/ HOW TO SERIES

Setting Up Guest Wi-Fi

Version 1.0

October 2016

SETTING UP GUEST WI-FI

Purpose & Scope

The article explains how to set up a guest Wi-Fi on your SmartRG device.

Guest Wi-Fi is useful in situations when you don't want specific devices connecting to your main network. The Guest Wi-Fi would allow those devices to have internet connectivity but remain separate from your primary network.

For example, if you were having guests over for the holidays, you could set up a guest Wi-Fi SSID so they can access the Internet but cannot gain access to network hard drives, printers, security systems, etc. that are on the primary network.

Preparation

The following are required:


- Make sure the appropriate WAN service is built and that Internet access is up.
- Wireless is enabled.

Steps

1. Open your browser and go to <http://192.168.1.1/admin>.
2. In the left navigation menu, click **Wireless**.

3. Click the **Enabled** check box next to the first Guest **SSID** (at the bottom of the page).
4. (Optional) Change the SSID from "Guest" to another desired SSID. In this tutorial, we are leaving the SSID as "Guest".

5. Click **Apply/Save**.


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- Security
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- Wireless Bridge
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- Station Info
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Wireless -- Basic

This page allows you to configure basic features of the wireless LAN interface. You can enable or disable the wireless LAN interface, hide the network from active scans, set the wireless network name (also known as SSID) and restrict the channel set based on country requirements. Click "Apply/Save" to configure the basic wireless options.

- Enable WiFi Button
- Enable Wireless
- Enable Wireless Hotspot2.0 [WPA2 is required!]
- Hide Access Point
- Clients Isolation
- Disable WMM Advertise
- Enable Wireless Multicast Forwarding (WMF)

SSID:

BSSID: 00:23:6A:47:BB:90

Country:

Max Clients:

Wireless - Guest/Virtual Access Points:

Enabled	SSID	Hidden	Isolate Clients	Disable WMM Advertise	Enable WMF	Enable HSPOT	Max Clients	BSSID
<input checked="" type="checkbox"/>	<input type="text" value="Guest"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input style="font-size: 0.8em;" type="checkbox" value="[wpa2!]"/>	<input type="text" value="128"/>	5A:23:6A:47:BB:91
<input type="checkbox"/>	<input type="text" value="Guest1"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input style="font-size: 0.8em;" type="checkbox" value="[wpa2!]"/>	<input type="text" value="128"/>	N/A
<input type="checkbox"/>	<input type="text" value="Guest2"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input style="font-size: 0.8em;" type="checkbox" value="[wpa2!]"/>	<input type="text" value="128"/>	N/A

Next, you must configure the security options for the Guest SSID that you just enabled.

6. In the left menu, click **Security**.
7. In the Select SSID field, select the guest SSID.

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Wireless -- Security

This page allows you to configure security features of the wireless LAN interface.
You may setup configuration manually
OR
through WiFi Protected Setup(WPS)
Note: When both STA PIN and Authorized MAC are empty, PBC is used. If Hide Access Point enabled or Mac filter list is empty with "allow" chosen, WPS2 will be disabled

WPS Setup

Enable WPS

Manual Setup AP

You can set the network authentication method, selecting data encryption, specify whether a network key is required to authenticate to this wireless network and specify the encryption strength.
Click "Apply/Save" when done.

Select SSID:

Network Authentication: -PSK

WPA passphrase: [Click here to display](#)

Use base MAC address as default WPA passphrase

WPA Group Rekey Interval:

WPA Encryption:

WEP Encryption:

8. Change the **Network Authentication** from *Open* to your desired security strength. In this tutorial, we are using *Mixed WPA2/WPA-PSK*.
9. Enter your desired passphrase and click **Apply/Save**.

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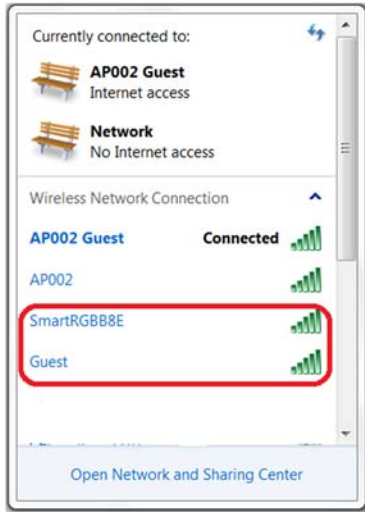
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WPA Group Rekey Interval:

WPA Encryption:

WEP Encryption:

The available network list should look like when you look for the connections.



REVISION HISTORY

VERSION	DATE	AUTHOR	DESCRIPTION
1.0			Initial document