

Wireless Router

150Mbps Value
Cloud Router

RB-1602G3



Networking

FCC CAUTION	3
1 INTRODUCTION	5
1.1 LED INDICATORS	6
1.2 PRODUCT APPEARANCE	7
2 INSTALLATION DIAGRAM	7
3 SETTING	9
3.1 USING LAPTOP	9
3.2 USING IPHONE/IPAD	13
3.3 USING ANDROID MOBILE DEVICE	17

FCC Caution

FCC Part 15.19 Caution:

1. 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
2. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.
3. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Statement in User's Manual (for class B)

FCC Section 15.105

"Federal Communications Commission (FCC) Statement"

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.

CE Statement of Conformity

Our product has been tested in typical configuration by Ecom Sertech Corp and was found to comply with the essential requirement of “Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility” (89/336/EEC; 92/31/EEC; 93/68/EEC)

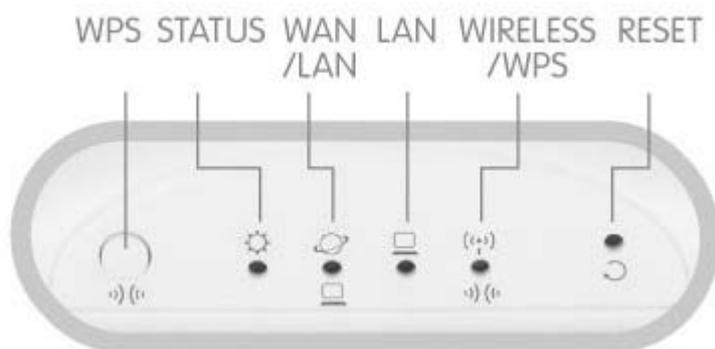
1 Introduction

RB-1602G3 is an easy-to-setup and wireless device for various application and environment, especially for hotel, office, warehouse, hot-spot, and etc...

The main features of RB-1602G3:

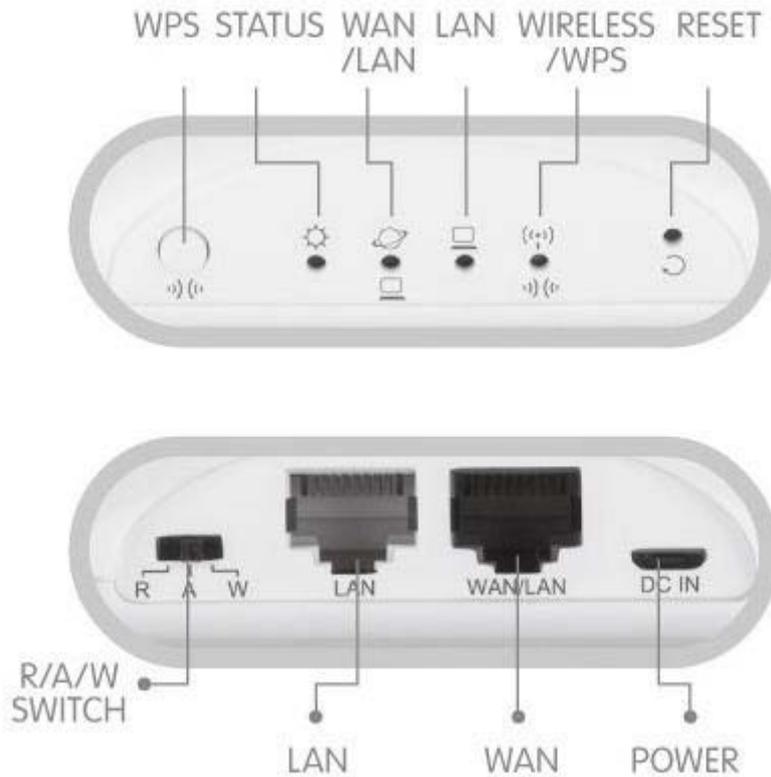
- **International Award winning, MIT quality assurance:** Taiwan Excellence 2012 Award and Gold Medal CM 2012. MIT quality assurance standards, and uses Green AP power saving technology.
- **CD-free installation; smart cloud APP:** Easy 3-step setup. Smart cloud APP applications allow users to control Internet schedule and block unsafe websites. Remotely connect to home or business and upload or download files using the Wake-on-Lan (WOL) technology.
- **Supports Wi-Fi AP signal extension and one-touch WPS encryption:** Wi-Fi AP hardware switch extends the existing wireless network. The best Wi-Fi range extender. One touch WPS button for wireless range extension to eliminate dead spot between floors.
- **Supports up to 10 VPNs and Virtual Private Network Tunnels (PPTP/L2TP):** Provides industry-leading VPN and Virtual Private Network Tunnel supports. Supports up to 253 PCs to break through the network blocking lines.
- **Supports 5 sets of SSID; parental controls:** Allows users to set up multiple SSIDs for wireless network segmentation. The built-in SPI and DoS firewalls safeguard users' networks against hackers and unwanted users. Parental controls can control their Internet schedule and block unsafe websites.
- **QoS technology; play games efficiently without lags:** Industry-leading IP/MAC dual bandwidth technology allocates the priority for network usage efficiently to avoid any potential lag.

1.1 LED Indicators



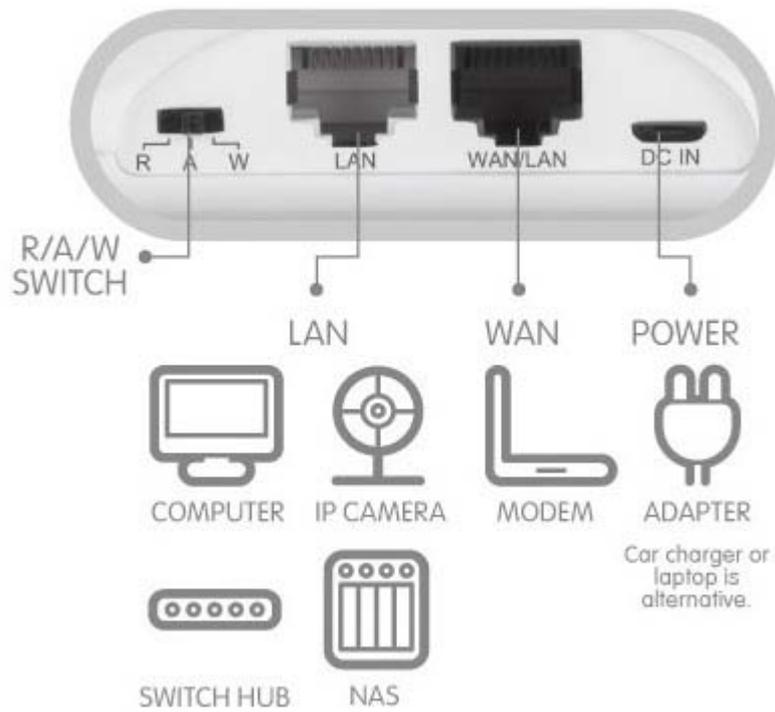
LED	Function	Color	Status	Description
Status x 1	System status	Green	On	System is ready to work
			Blinking 120ms	1. Power is being applied and system boot in progress 2. Reset or firmware upgrade in progress
Wireless / WPS x 1 &	Wireless activity	Green	On	Wireless is active
			Blinking 30ms	Wireless Tx/Rx activity
	WPS status	Red Orange	Blinking 30ms	WPS function in progress
WAN x 1	WAN port activity	Green	On	10/100Mbps Ethernet is connected
			Blinking 30ms	100Mbps Ethernet Tx/Rx activity
			Blinking 120ms	10Mbps Ethernet Tx/Rx activity
LAN x 1	LAN port activity	Green	On	10/100Mbps Ethernet is connected
			Blinking 30ms	100Mbps Ethernet Tx/Rx activity
			Blinking 120ms	10Mbps Ethernet Tx/Rx activity

1.2 Product Appearance



2 Installation Diagram

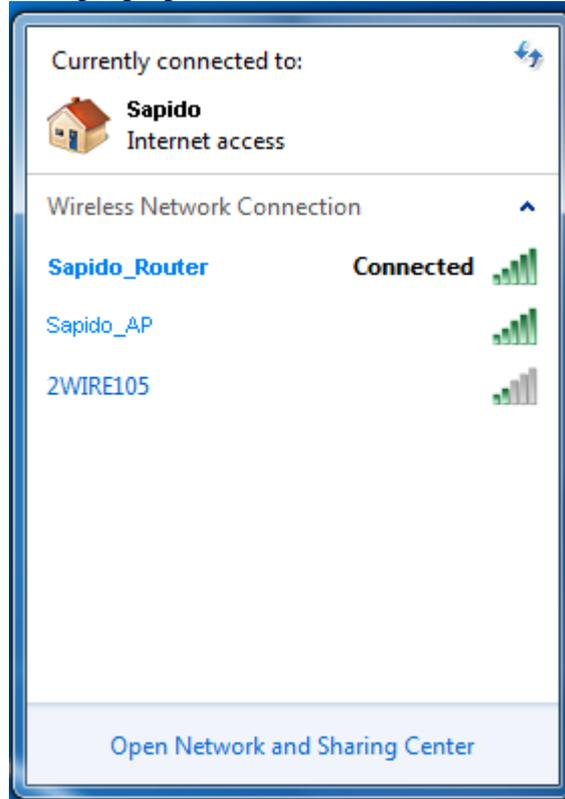
- Step 1. Connect Internet connection which ISP provides to the **WAN port** of **RB-1602G3**.
- Step 2. Power on RB-1602G3.



3 Setting

3.1 Using Laptop

Step 1. Set up the router using laptop. Connect to **RB-1602G3** through **wireless**.



Step 2. Open the web browser. Sapido router will detect the Internet connection type and help users enter into the setting page automatically.



3.1.1 Internet Connection Type

Sapido router will detect the Internet connection type and help users enter into the setting page automatically.

3.1.1.1 ADSL/xDSL Modem

Step 1. Open the web browser. Sapido router will detect the Internet connection type and help users enter into the setting page automatically. Please enter in the **username** and **password** for ADSL/xDSL connection. Also, we recommend users set up the wireless security.

PPPoE

PPPoE user name and password

User Name:

Password:

Wireless Setup

Wireless AP Enable Disable

SSID

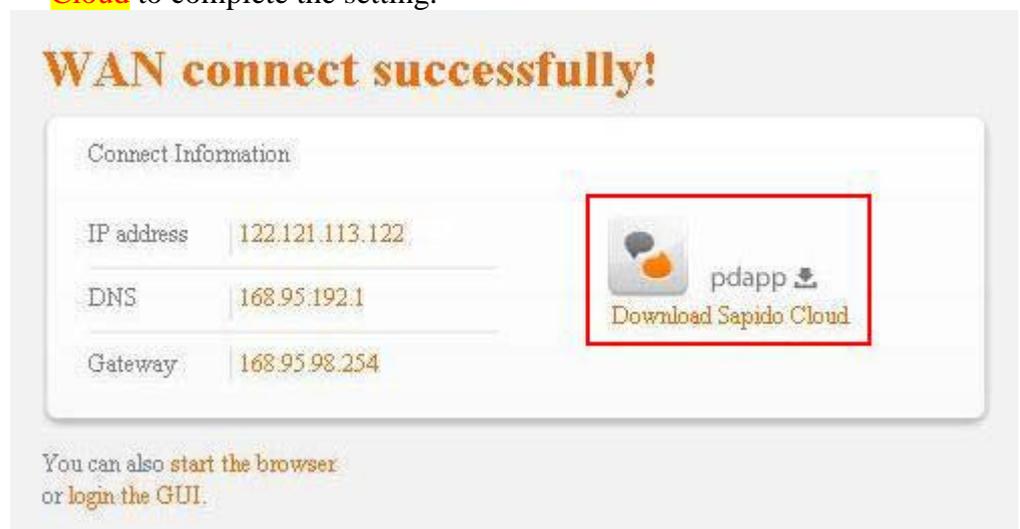
Encryption

WPA_Pre-Shared Key

Step 2. Click **Apply**. Please do not power off the router or disconnect the Internet while counting down.

Apply

Step 3. After the connection is successful, please download **Sapido Cloud** to complete the setting.



3.1.1.2 Cable Modem

Step 1. Open the web browser. Sapido router will detect the Internet connection type and help users enter into the setting page

automatically.

DHCP

MAC setting

MAC type Universal Specific
Clone MAC Address: 00d041d0e11e

Wireless Setup

Wireless AP Enable Disable

SSID

Encryption

WPA_Pre-Shared Key

Step 2. Click **Apply**. Please do not power off the router or disconnect the Internet while counting down.

Apply

Step 3. After the connection is successful, please download **Sapido Cloud** to complete the setting.



3.1.1.3 Static IP Address

Step 1. Open the web browser. Sapido router will detect the Internet connection type and help users enter into the setting page automatically.

Step 2. Enter in the **IP address**, **subnet mask**, **gateway**, and **DNS** for Internet connection. (Please use the correct connection data that ISP provided)

Static IP

IP Address setting

IP Address:	<input type="text" value="172.1.1.1"/>
Subnet Mask:	<input type="text" value="255.255.255.0"/>
Gateway:	<input type="text" value="172.1.1.254"/>
DNS:	<input type="text" value="8.8.8.8"/>

Wireless Setup

Wireless AP	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
SSID	<input type="text" value="Sapido_Router"/>
Encryption	<input type="text" value="WPA2"/>
WPA_Pre-Shared Key	<input type="text" value="*****"/>

Step 3. Click **Apply**. Please do not power off the router or disconnect the Internet while counting down.

Apply

Step 4. After the connection is successful, please download **Sapido Cloud** to complete the setting.

WAN connect successfully!

Connect Information	
IP address	122.121.113.122
DNS	168.95.192.1
Gateway	168.95.98.254

 pdapp 
Download Sapido Cloud

You can also [start the browser](#) or [login the GUI](#).

3.2 Using iPhone/iPad

Step 1. Set up the router using iPhone/iPad. Go to **Settings** → **Wi-Fi** → Enable **Wi-Fi** → Connect to **RB-1602G3** through **wireless**.



Settings



Step 2. Open the web browser. Sapido router will detect the Internet connection type and help users enter into the setting page automatically.



3.2.1 Internet Connection Type

Sapido router will detect the Internet connection type and help users enter into the setting page automatically.

3.2.1.1 ADSL/xDSL Modem

Step 1. Open the web browser. Sapido router will detect the Internet connection type and help users enter into the setting page automatically. Please enter in the **username** and **password** for ADSL/xDSL connection. Also, we recommend users set up the wireless security.

PPPoE

PPPoE user name and password

User Name:

Password:

Wireless Setup

Wireless AP Enable Disable

SSID

Encryption

WPA_Pre-Shared Key

Step 2. Click **Apply**. Please do not power off the router or disconnect the Internet while counting down.

Apply

Step 3. After the connection is successful, please download **Sapido Cloud** to complete the setting.

WAN connect successfully!

Connect Information	
IP address	122.121.113.122
DNS	168.95.192.1
Gateway	168.95.98.254

 **Download Sapido Cloud**

You can also [start the browser](#) or [login the GUI](#).

3.2.1.2 Cable Modem

Step 1. Open the web browser. Sapido router will detect the Internet connection type and help users enter into the setting page

automatically.

DHCP

MAC setting

MAC type Universal Specific
Clone MAC Address: 00d041d0e11e

Wireless Setup

Wireless AP Enable Disable

SSID

Encryption

WPA_Pre-Shared Key

Step 2. Click **Apply**. Please do not power off the router or disconnect the Internet while counting down.

Apply

Step 3. After the connection is successful, please download **Sapido Cloud** to complete the setting.

WAN connect successfully!

Connect Information	
IP address	122.121.113.122
DNS	168.95.192.1
Gateway	168.95.98.254

Download Sapido Cloud

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3.2.1.3 Static IP Address

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Static IP

IP Address setting

IP Address:	<input type="text" value="172.1.1.1"/>
Subnet Mask:	<input type="text" value="255.255.255.0"/>
Gateway:	<input type="text" value="172.1.1.254"/>
DNS:	<input type="text" value="8.8.8.8"/>

Wireless Setup

Wireless AP	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
SSID	<input type="text" value="Sapido_Router"/>
Encryption	<input type="text" value="WPA2"/>
WPA_Pre-Shared Key	<input type="text" value="*****"/>

Step 3. Click **Apply**. Please do not power off the router or disconnect the Internet while counting down.

Apply

Step 4. After the connection is successful, please download **Sapido Cloud** to complete the setting.

WAN connect successfully!

Connect Information

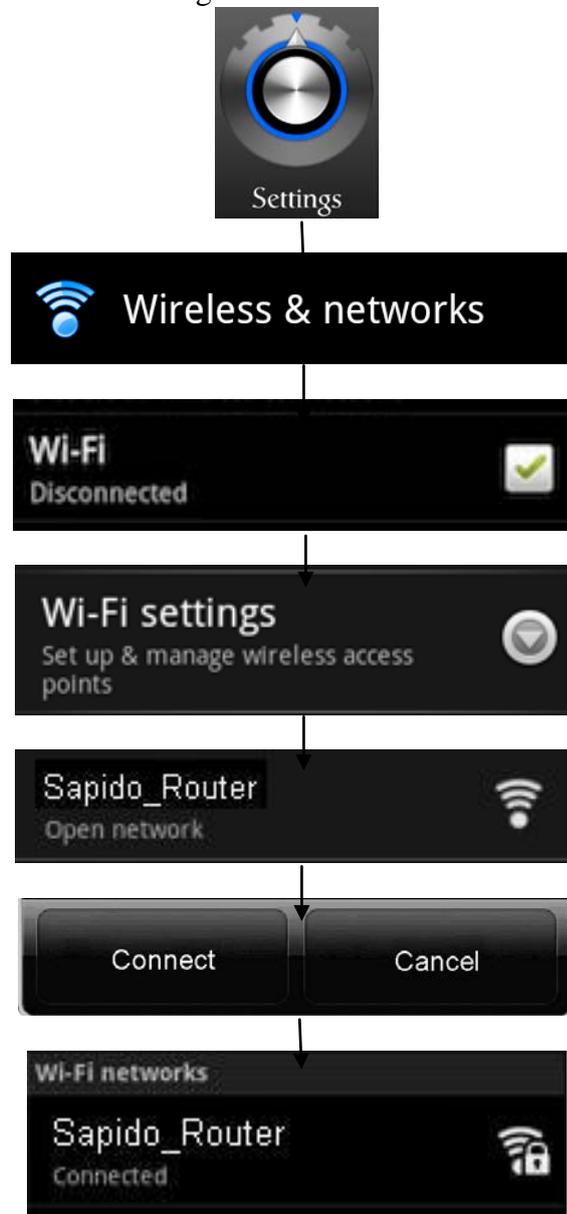
IP address	122.121.113.122
DNS	168.95.192.1
Gateway	168.95.98.254



You can also [start the browser](#) or [login the GUI](#).

3.3 Using Android Mobile Device

Step 1. Set up the router using Android mobile device (smartphone/tablet). Go to **Settings** → **Wireless & Networks** → Enable **Wi-Fi** → **Wi-Fi settings** → Connect to **RB-1602G3** through **wireless**.



Step 2. Open the web browser. Sapido router will detect the Internet connection type and help users enter into the setting page automatically.



3.3.1 Internet Connection Type

Sapido router will detect the Internet connection type and help users enter into the setting page automatically.

3.3.1.1 ADSL/xDSL Modem

Step 1. Open the web browser. Sapido router will detect the Internet connection type and help users enter into the setting page automatically. Please enter in the **username** and **password** for ADSL/xDSL connection. Also, we recommend users set up the wireless security.

PPPoE

PPPoE user name and password

User Name:

Password:

Wireless Setup

Wireless AP Enable Disable

SSID

Encryption

WPA_Pre-Shared Key

Step 2. Click **Apply**. Please do not power off the router or disconnect the Internet while counting down.

Apply

Step 3. After the connection is successful, please download **Sapido Cloud** to complete the setting.



3.3.1.2 Cable Modem

Step 1. Open the web browser. Sapido router will detect the Internet connection type and help users enter into the setting page automatically.

DHCP

MAC setting

MAC type Universal Specific
Clone MAC Address: 00d041d0e11e

Wireless Setup

Wireless AP Enable Disable
SSID
Encryption
WPA_Pre-Shared Key

Step 2. Click **Apply**. Please do not power off the router or disconnect the Internet while counting down.



Step 3. After the connection is successful, please download **Sapido Cloud** to complete the setting.



3.3.1.3 Static IP Address

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Step 2. Enter in the **IP address**, **subnet mask**, **gateway**, and **DNS** for Internet connection. (Please use the correct connection data that ISP provided)

Static IP

IP Address setting

IP Address:	<input type="text" value="172.1.1.1"/>
Subnet Mask:	<input type="text" value="255.255.255.0"/>
Gateway:	<input type="text" value="172.1.1.254"/>
DNS:	<input type="text" value="8.8.8.8"/>

Wireless Setup

Wireless AP	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
SSID	<input type="text" value="Sapido_Router"/>
Encryption	<input type="text" value="WPA2"/> ▼
WPA_Pre-Shared Key	<input type="text" value="....."/>

Step 3. Click **Apply**. Please do not power off the router or disconnect the Internet while counting down.



Step 4. After the connection is successful, please download **Sapido Cloud** to complete the setting.

WAN connect successfully!

Connect Information

IP address 122.121.113.122

DNS 168.95.192.1

Gateway 168.95.98.254



You can also [start the browser](#)
or [login the GUI](#).

※Please refer to pdapp Guide on Sapido website for pdapp settings.

※Please refer to User Manual on Sapido website for advanced settings.