

Long Range Wireless Router

Wireless Coverage Over 3500 Sq Ft with 2T2R Technology High Performance Chipset, Absolutely Speedy and Stable Router, Access Point and Wireless Bridge, 3 in 1



300 Mbps

3500 Sq Ft

(The wireless performance might be different in different environment.)

SAPIDO Long Range Wireless router connection is the best way to connect to your high speed broadband connection. This router allows multiple users in your family to use Internet services at the same to enjoy high-end Internet functions like streaming video and audio, and other peripherals. SAPIDO Long Range Wireless Router provides the family a smart solution.

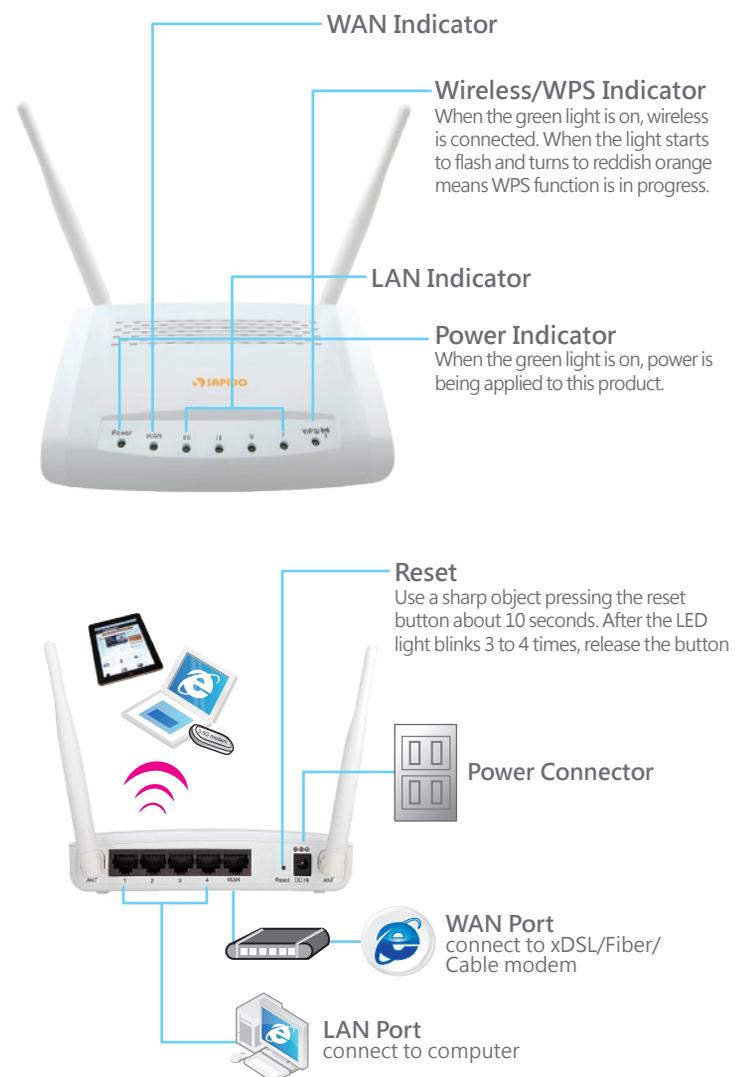
With the high performance chipset, SAPIDO Long Range Wireless Router ensures speedy and stable Internet connection. Two external antennas utilize advanced 2T2R MIMO technology which deliver incredible speed and range, and WiFi coverage applicable can be over 3500 Sq Ft. You can use the WiFi AP feature of SAPIDO WiFi Router to bridge and extend wireless signal from your existing router to enhance weak wireless signal and reduce dead spot. Also, SAPIDO WiFi Router also supports Hotspot, you can put SAPIDO WiFi Router by the window to re-boost wireless Internet from outdoor to indoor and share wireless Internet in your room.

SAPIDO Long Range Wireless Router complies with the latest 802.3az Energy Efficient Ethernet standard and carrying Green AP technology. It adjusts power consumption according to the auto detect of Internet connection and packet transmission, and can save up to 80% electricity. In addition, the smart QoS provides stable data transmission. You may assign different priority to different applications or data flows for the smoothness on streaming multimedia applications. Steady-Stream technology also ensures you have enough streaming bandwidth to support all of your applications. Powerful firewall feature would safeguard your network by preventing the attack from hacker or DOS, and blocking inappropriate sites.

DDNS, NAT, Virtual Server, DMZ..., more features are waiting for your exploring!

- ★ High Performance Chipset - Stable Connection and Transmission Quality
- ★ Two external antennas expand the wireless coverage up to 3500 Sq Ft, and eliminate dead spots effectively
- ★ Complies to IEEE 802.11n Wireless Standard. 2T2R MIMO Technology - Wireless Max. Speed of 300Mbps
- ★ Green design - 802.3az Standard plus Green AP Technology, Save up to 80% Power Consumption
- ★ Re-boost WiFi signals from outdoor to indoor for Internet Access Sharing
- ★ 20,000 Sessions for Efficient P2P Downloading
- ★ Smart QoS Bandwidth Management, No Lag for Games, Movies and Music
- ★ WDS no Configuration - Coverage Extension and Dead spots Reduction
- ★ Powerful Firewall - SPI Mode against DOS Attack and built-in Port/IP/MAC/URL Filters to Safeguard your Network
- ★ WPS - Complete Wireless Encryption and Connection in One Press
- ★ Setup Helper - Quickly and Easily Guides you through the Step-By-Step Installation Process

Diagram of Functions

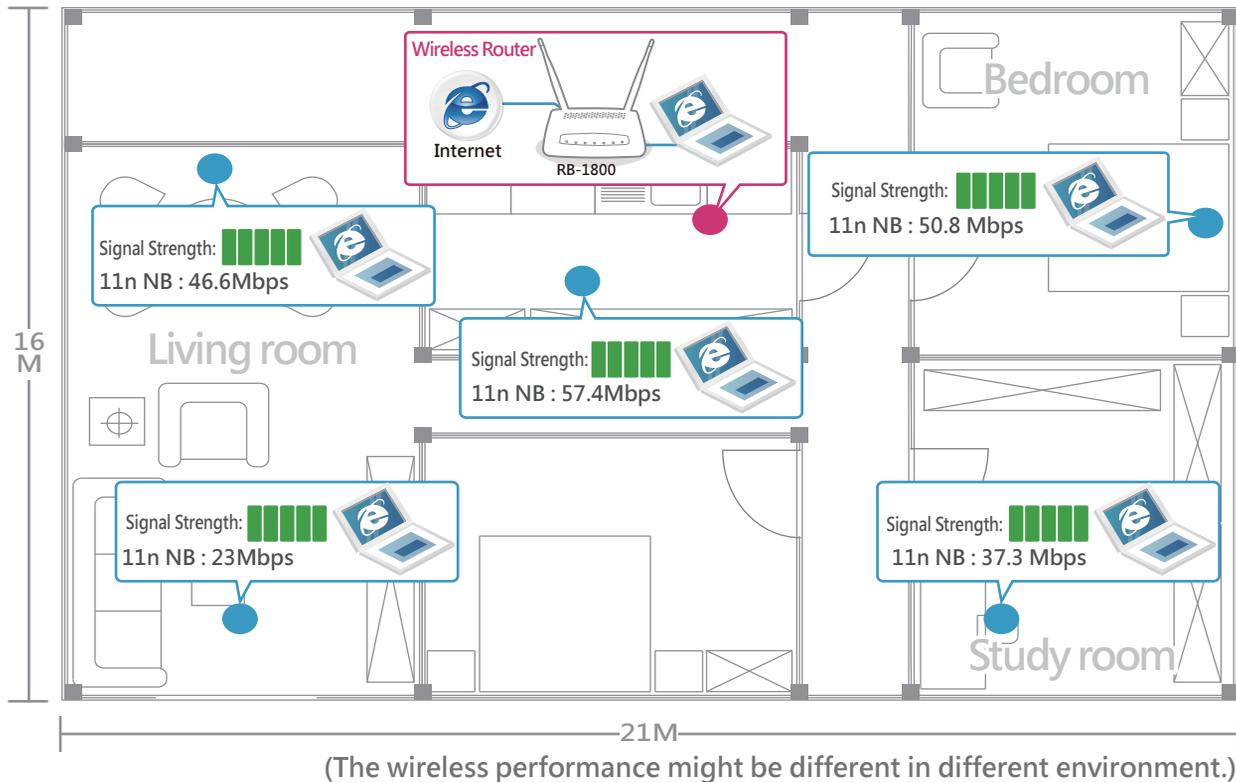


⚠ Warning: To reduce the risk of fire or electric shock, do not expose this router to rain or moisture.

► Two External Antennas, WiFi Coverage Applicable for Over 3500 Sq Ft Flats

Smart antenna technology increases data throughput and expand wireless coverage offers an ideal solution for big houses and across floors.

Real Test in a 3500 Sq Ft Flat



[Testing Devices] **Wireless Router : RB-1800**

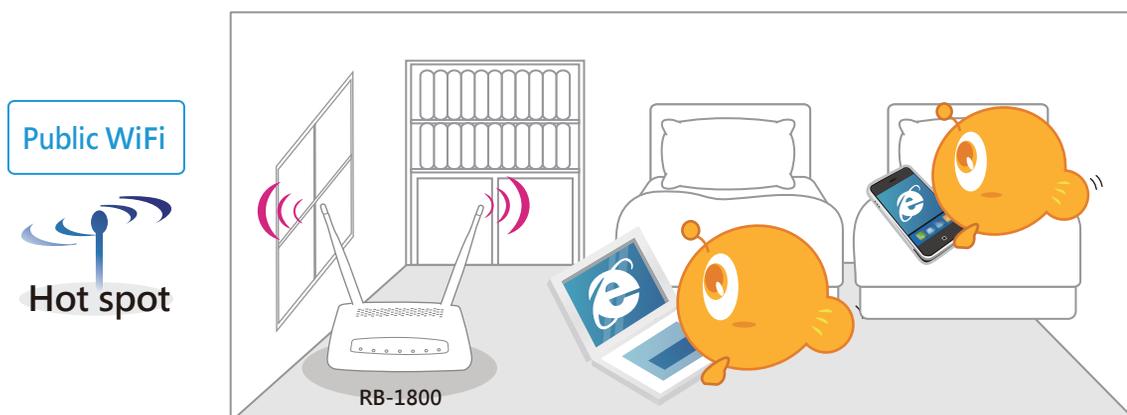
Wireless Adapter: ASUS U45J NB with Atheros AR9285 WiFi NIC built-in.

[Testing Method] Install FTP Server on PC · Download 300MB .zip file from PC to NB.

[Testing Time] Mar, 2011

► Re-boost WiFi Signals from Outdoor to Indoor for Internet Access Sharing

If there is WiFi signal nearby, you can put RB-1800 by the window to re-boost wireless Internet from outdoor to indoor and share wireless Internet in your room. In this way, your smartphone, iPad or laptops can access to Internet simultaneously for free.



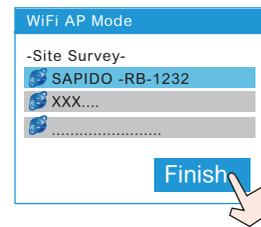
► WiFi AP - Extend the Wireless Coverage Effortlessly

You are able to complete the WDS via pressing the WPS button or one click at setup program.

- Press the WPS button on both the upper encrypted router and the RB-1800 to complete the connection without entering the encryption key.

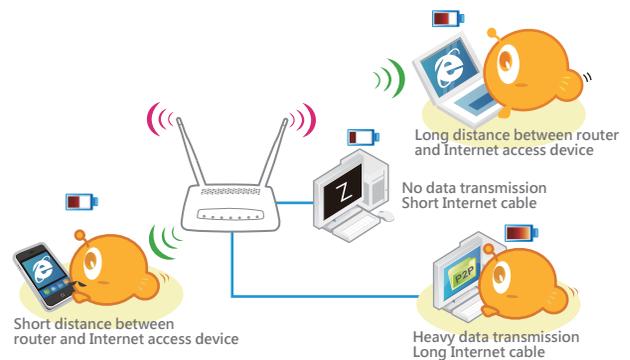


- Site Survey – Log in RB-1800, search available network, click and go.

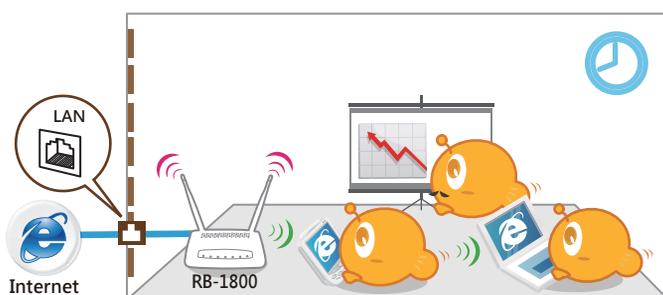


► High Performance Chipset Stable Connection + Green Design, Save up to 80% Power Consumption

With the high performance chipset, SAPIDO Long Range Wireless Router not only ensures speedy and stable Internet connection, but also enhances the strength of wireless signal and increases stability. In order to ease user's mind, SAPIDO checks every product carefully before selling to customers. In addition, complying with the latest 802.3az Energy Efficient Ethernet standard and carrying Green AP technology, SAPIDO router adjusts power consumption via auto detection of Internet connection and packet transmission to avoid any waste of electricity, thus it utilizes energy efficiently. Therefore, this router only requires 3-watt electricity at the most, which is truly an eco-friendly device.

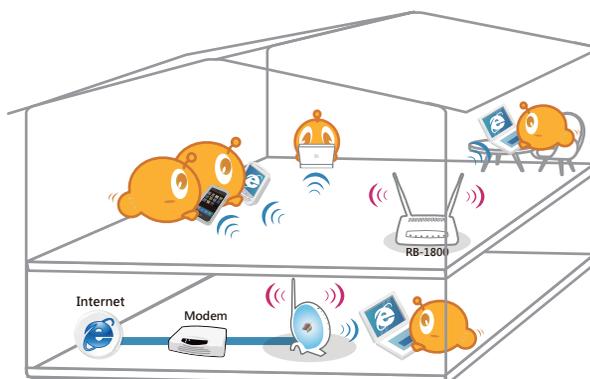


► Cases of Using Long Range Wireless Router



Conference room (AP Mode - Wired to Wireless)

In the conference, many people surf the Internet with laptops, cell phones, or iPad to search information or contact the customers and so on. If there are lots of Ethernet cable lines in conference room, it is not only unsightly but also very troublesome. Just take an Ethernet cable line which connect to the upper router and put a RB-1800 into the conference room. Switch your operation mode to AP mode and plug into the Ethernet cable line. In this way, wired will turn to wireless, and wireless devices can access the Internet at the same time.



Across Floors (WiFi AP Mode - Wireless Bridge)

Normally, a router is not used in big houses or across houses and floors because of its weak wireless signal. Just take your RB-1800 and switch the mode to WiFi AP with setup program, then you can use RB-1800 to bridge and extend wireless signal from your existing router to enhance wireless signal and reduce dead spot of wireless Internet in the house.

► Router, AP, WiFi AP 3 in 1

There are three modes in Long Range Wireless Router. The common usage is connecting RB-1800 to the modem. Just do some simple set-up in the default Router mode, and then you can share Internet with your family. What if you want to use NB and smartphone simultaneously in your room? Just take an Ethernet cable line which connect to the upper router. Put a RB-1800 into the room, and plug into the Ethernet cable line. In this way, wired will turn to wireless, and wireless devices can access the Internet at the same time. If there is weak wireless signal somewhere in your house, you can use RB-1800 to bridge and extend wireless signal from your existing router to enhance wireless signal and reduce dead spot of wireless Internet in the house.

WiFi AP Mode :

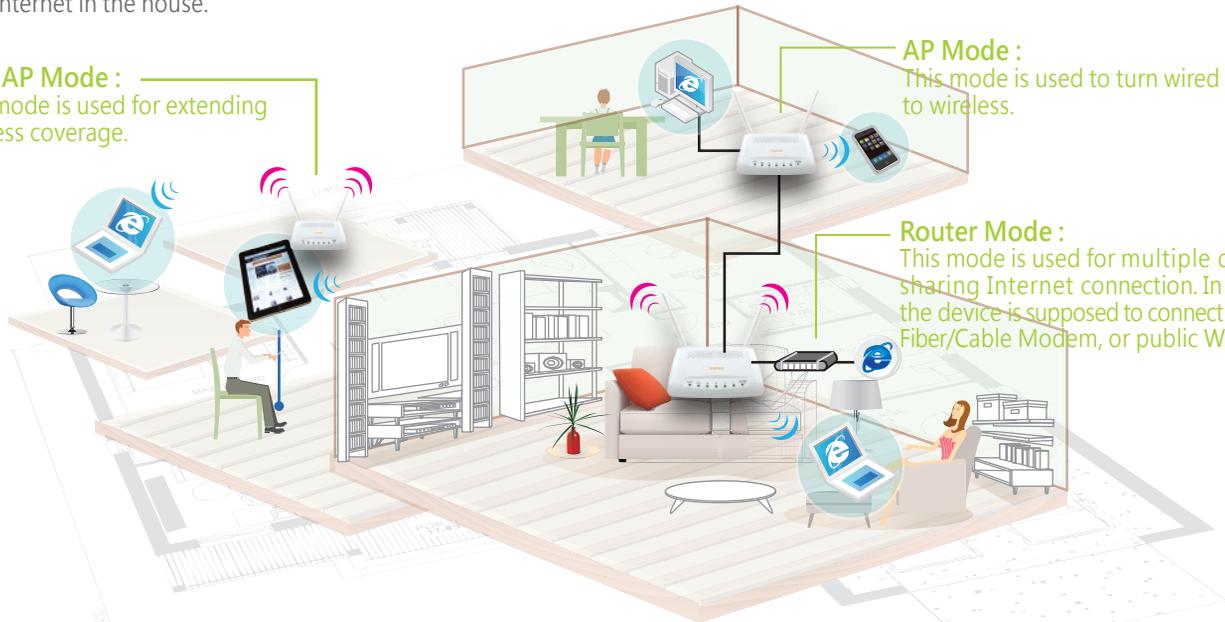
This mode is used for extending wireless coverage.

AP Mode :

This mode is used to turn wired Internet to wireless.

Router Mode :

This mode is used for multiple devices sharing Internet connection. In this mode, the device is supposed to connect to ADSL/ Fiber/Cable Modem, or public WiFi.



■ Hardware

- WAN Port :
10/100 Mbps RJ45 *1
- LAN Port :
10/100 Mbps RJ-45*4
- Standard :
IEEE 802.11b/g/n
- Data Rate :
802.11n (up to 300Mbps)
802.11g (up to 54Mbps)
802.11b (up to 11Mbps)
- Mode Switch : Router / AP / WiFi AP
- LED Indicator :
POWER, WAN , IIII , III , II , I , WPS/WIRELESS
- Button : WPS , Reset
- Antenna : 3dBi*2

■ Firewall

URL / Port / IP / MAC Filtering, SPI against DOS attack

■ System Management

Web-base Interface
Firmware upgrade via web
Profile save
Event log
English Set-up Interface

■ Package Contents

RB-1800 Router / Quick Installation Guide / Power Adapter

■ Network Feature

- WAN Connection :
 - Wired/Wireless modem (Static IP, DHCP, PPTP, PPPoE, L2TP)
- Routing : DHCP server, client, DNS server
- VPN Pass Through : IP Sec, PPTP, L2TP
- NAT : Virtual server, DMZ
- UPnP : UPnP NAT Traversal
- Session : 20,000

■ Wireless Application

- Wireless Security
WEP 64 or 128 bit/WPA/WPA2/WPA2 Mixed
WPS(Wi-Fi Protected setup) : PBC/PIN
WDS
Multiple AP

■ Power Saving

Ethernet : IEEE 802.3az Standard
WiFi : Green AP Technology

■ Environment

Weight : 165g
Power : AC in 100~240V, DC out 5V 0.6A
Dimension : 143 (L) x 86 (W) x 25 (H) mm
Support OS : Windows, MAC OS X 10.4 and following version,
Linux 2.6.x and following version
Storage Environment : Temperature-20~70°C (-4 to 158°F);
Humidity5~90%
Operating Environment : Temperature0~40°C(32 to 104°F);
Humidity10~85%

※ Please visit SAPIDO website and update the firmware to achieve optimal performance.
Press the Reset button to complete the firmware upgrade.



SAPIDO dedicates efforts in the development of products with multi-applications, down to the thoughts and respects as a person.

SAPIDO products are well known for not only its sleek design but also practical multiple features with simplest setup requirement. Cold technology dissolves in the passionate Sado created by SAPIDO. It encourages more users to try out unknown networking and digital products, which brings them a high-tech life with great enjoyment and convenience.

SAPIDO MAKES LIFE FUN!

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