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› [ARRIS](#) /

› [ARRIS SURFboard SBR-AC1750 WiFi Router Instruction Manual](#)

## ARRIS SBR-AC1750

# ARRIS SURFboard SBR-AC1750 WiFi Router Instruction Manual

Model: **SBR-AC1750** | Brand: **ARRIS**

## 1. INTRODUCTION

The ARRIS SURFboard SBR-AC1750 is a dual-band Wi-Fi router designed to provide wireless connectivity for home networks. It supports the 802.11ac standard and offers combined speeds up to 1750 Mbps (450 Mbps on 2.4 GHz and 1300 Mbps on 5.0 GHz). This manual provides instructions for setting up, operating, maintaining, and troubleshooting your router.

### Package Contents

- ARRIS SURFboard SBR-AC1750 WiFi Router
- Ethernet Cable
- Power Cord
- Quick Start Guide

## 2. PRODUCT OVERVIEW

### Front Panel Indicators

The front panel of the SBR-AC1750 router features several LED indicators that provide status information about the device's operation.





**Figure 1:** Front view of the ARRIS SURFboard SBR-AC1750 WiFi Router. This image shows the vertical white router with the ARRIS logo and model number at the top. Below the logo, there is a column of LED indicators for Power, WAN, 2.4G, 5G, Ethernet ports 1-4, USB, and WPS, all illuminated in green.

- **Power:** Indicates the power status of the router.
- **WAN:** Indicates the status of the Wide Area Network (Internet) connection.
- **2.4G:** Indicates activity on the 2.4 GHz Wi-Fi band.
- **5G:** Indicates activity on the 5 GHz Wi-Fi band.
- **1-4 (Ethernet):** Indicate activity on the corresponding Gigabit Ethernet ports.
- **USB:** Indicates activity on the USB port.
- **WPS:** Indicates the status of Wi-Fi Protected Setup.

## Rear Panel Ports and Buttons

The rear panel provides all the necessary connection ports and a reset button.





**Figure 2:** Rear view of the ARRIS SURFboard SBR-AC1750 WiFi Router. This image shows the back of the white router with various ports arranged vertically. From top to bottom, there is a small reset button, a USB 2.0 port, four yellow Gigabit Ethernet LAN ports labeled 1-4, a blue WAN (Internet) port, and a power input port.

- **Reset Button:** Used to restore the router to factory default settings.
- **USB 2.0 Port:** For connecting USB devices such as external storage.
- **Ethernet Ports (1-4):** Gigabit Ethernet ports for wired network connections.
- **WAN Port:** Connects to your modem for internet access.
- **Power Input:** Connects to the provided power adapter.

### 3. SETUP

Follow these steps to set up your ARRIS SURFboard SBR-AC1750 WiFi Router.

1. **Position the Router:** Place the router in a central location in your home, away from obstructions and sources of interference like cordless phones or microwaves.
2. **Connect to Modem:**
  - Ensure your modem is powered off.
  - Connect one end of the supplied Ethernet cable to the **WAN** port (blue) on the back of the SBR-AC1750 router.
  - Connect the other end of the Ethernet cable to an Ethernet port on your modem.
3. **Power On Modem:** Power on your modem and wait for it to fully initialize (typically indicated by stable status lights).
4. **Power On Router:** Connect the power cord to the **Power Input** on the back of the SBR-AC1750 router and then plug it into a power outlet. The Power LED on the front panel should illuminate.
5. **Wait for Initialization:** Allow a few minutes for the router to power on and establish an internet connection. The WAN, 2.4G, and 5G LEDs should become solid, indicating readiness.

## 6. Connect a Device:

- **Wired Connection:** Connect an Ethernet cable from your computer to one of the yellow **Ethernet Ports (1-4)** on the router.
  - **Wireless Connection:** On your Wi-Fi enabled device, search for available Wi-Fi networks. Select the network name (SSID) printed on the label on the bottom or back of your router and enter the Wi-Fi password (security key) when prompted.
7. **Access Router Interface:** Open a web browser and enter the default IP address (usually 192.168.0.1 or 192.168.1.1 ) into the address bar. Log in using the default username and password (typically found on the router label or in the Quick Start Guide) to configure advanced settings.

The SBR-AC1750 is compatible with any cable, DSL, or fiber modem.

## 4. OPERATING THE ROUTER

### Connecting Devices

- **Wireless Devices:**

To connect a device wirelessly, enable Wi-Fi on your device and select the appropriate network name (SSID) from the list of available networks. Enter the Wi-Fi password when prompted. The SBR-AC1750 broadcasts two Wi-Fi networks: one on the 2.4 GHz band and one on the 5 GHz band. The 2.4 GHz band offers wider coverage, while the 5 GHz band provides faster speeds over shorter distances.

- **Wired Devices:**

For devices requiring a stable, high-speed connection, use an Ethernet cable to connect them to any of the four Gigabit Ethernet ports (1-4) on the rear of the router.

### Using Wi-Fi Protected Setup (WPS)

WPS allows you to connect compatible wireless devices to your network without manually entering the Wi-Fi password.

1. Press the **WPS button** on the front panel of the SBR-AC1750 router. The WPS LED will start blinking.
2. Within two minutes, press the WPS button on your wireless device.
3. The device should automatically connect to your Wi-Fi network. The WPS LED on the router will become solid for a short period, then turn off.

### USB Port Functionality

The USB 2.0 port on the rear of the router can be used to connect external storage devices, allowing you to share files across your network. Refer to the router's web interface for configuration options related to USB storage.

## 5. MAINTENANCE

### Firmware Updates

Keeping your router's firmware updated is important for security and performance. Check the ARRIS support website for the latest firmware versions for your SBR-AC1750 router and follow the provided instructions for updating. Firmware updates are typically performed through the router's web management interface.

## Factory Reset

A factory reset restores all router settings to their original default values. This can be useful for troubleshooting persistent issues or when preparing to reconfigure the router.

1. With the router powered on, locate the small **Reset button** on the rear panel.
2. Using a paperclip or a similar pointed object, press and hold the Reset button for approximately 10-15 seconds.
3. Release the button. The router will reboot, and all settings will be restored to factory defaults. You will need to reconfigure your network settings after a factory reset.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your ARRIS SURFboard SBR-AC1750 WiFi Router.

### No Internet Connection

- **Check Cables:** Ensure all Ethernet cables are securely connected to the router and modem. Verify the WAN cable is connected to the blue WAN port.
- **Check Modem Status:** Confirm your modem is working correctly and has an active internet connection. Check its status lights.
- **Reboot Devices:** Power off both your modem and router. Wait 30 seconds, then power on the modem first. Once the modem is fully initialized, power on the router.
- **ISP Issue:** If the issue persists, contact your Internet Service Provider (ISP) to confirm there are no service outages in your area.

### Slow Wi-Fi Speeds or Dropped Connections

- **Router Placement:** Ensure the router is centrally located and not obstructed by large objects or walls.
- **Interference:** Keep the router away from other electronic devices that might cause interference (e.g., microwaves, cordless phones, Bluetooth devices).
- **Band Selection:** For devices closer to the router, try connecting to the 5 GHz Wi-Fi band for potentially faster speeds. For devices further away, the 2.4 GHz band might offer better range.
- **Firmware:** Ensure your router's firmware is up to date.
- **ISP Bandwidth:** Verify that your internet plan provides sufficient bandwidth for your usage. High network traffic or multiple simultaneous downloads can affect perceived speed.
- **ISP Connection Stability:** Intermittent connection drops can sometimes be related to your Internet Service Provider's connection quality. Contact your ISP to have them check the upstream and downstream connections to your service.

### Cannot Access Router Web Interface

- **IP Address:** Ensure you are using the correct IP address (e.g., 192.168.0.1 or 192.168.1.1).
- **Wired Connection:** Try accessing the interface from a computer connected directly to the router via an Ethernet cable.
- **Browser:** Try a different web browser.
- **Factory Reset:** If all else fails, perform a factory reset (see Section 5) and try accessing the interface with default

credentials.

## 7. SPECIFICATIONS

<b>Model Name</b>	SBR-AC1750
<b>Wireless Type</b>	802.11ac
<b>Frequency Band Class</b>	Dual-Band (2.4 GHz & 5 GHz)
<b>Wi-Fi Speed</b>	Up to 1750 Mbps (450 Mbps 2.4GHz + 1300 Mbps 5.0 GHz)
<b>Ethernet Ports</b>	5 Gigabit Ethernet (1 WAN, 4 LAN)
<b>USB Ports</b>	1 x USB 2.0
<b>Security Features</b>	Firewall, Parental Control, Wi-Fi Protected Setup (WPS 2.0)
<b>Dimensions (LxWxH)</b>	5.13 x 1.69 x 8.13 inches
<b>Item Weight</b>	1.6 pounds
<b>Operating System Compatibility</b>	Windows 10, Windows 8 (and other web browser compatible OS)

## 8. WARRANTY AND SUPPORT

### Product Warranty

The ARRIS SURFboard SBR-AC1750 WiFi Router comes with a **2-Year Limited Warranty**. Please retain your proof of purchase for warranty claims.

### Technical Support

For further assistance, technical support, or to access additional resources such as FAQs and updated documentation, please visit the official ARRIS support website or contact ARRIS customer service. Contact information can typically be found on the ARRIS website or in the Quick Start Guide included with your product.

**Online Resources:** [www.arris.com/support](http://www.arris.com/support)