

Gateway Label

The SBG6782-AC information label is located on the bottom of the gateway.

To receive high-speed Internet service, your service provider may request the Media Access Control (MAC) address (see HFC MAC ID) and serial number (see S/N) located on the gateway label.








Place Label Here

Front Panel LEDs

During normal operation, the **Power**, **Receive**, **Send**, and **Online** LEDs on the gateway front panel should always be lit **SOLID**.

Note: During startup, the first four LEDs will **FLASH** and then light up **SOLID** in sequential order. If the **Power** LED does not light, please first check the gateway power connection before contacting Motorola. If the other LEDs do not light up correctly, please contact your service provider for assistance.

LED Status

 POWER	ON - Power is properly connected
 RECEIVE	ON - Downstream channel is connected
 SEND	ON - Upstream channel is connected
 ONLINE	ON - Gateway is connected to the network
 WIRELESS	FLASH - 2.4 GHz wireless connection between the gateway and a Wi-Fi enabled device
 WIRELESS	FLASH - 5 GHz wireless connection between the gateway and a Wi-Fi enabled device
 MoCA	ON - MoCA-enabled device is connected and running

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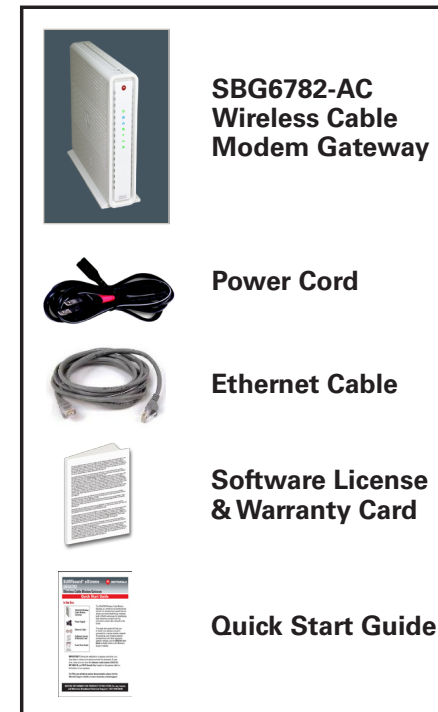
SURFboard® eXtreme SBG6782-AC



Wireless Cable Modem Gateway

Quick Start Guide

In the Box



What You Should Know

The SBG6782-AC is a combination wireless cable modem and router that provides wireless high-speed Internet access and MoCA networking to the SMART (Ethernet-enabled) devices in your home. The SBG6782-AC connects to the existing coaxial cable connection in your home and does not require any new wiring.

This quick start guide will help you install the SBG6782-AC Wireless Gateway and set up a secure wireless network connection.

To take advantage of the 802.11ac wireless performance or beamforming capabilities, your wireless connected devices must also support 802.11ac. For optimal performance with 802.11ac, you should connect any wireless devices using older protocols to the 2.4 GHz wireless network (not the 802.11ac 5 GHz network).

To customize your wireless network configurations and other advanced gateway settings, see the **SBG6782-AC User Guide** which is available online at the Motorola Support website, www.motorola.com/us/support. FAQs and additional product documentation are also available.

IMPORTANT! During the installation or gateway activation, you may need to contact your service provider for assistance. To save time, make sure you have the **Gateway model number (SBG6782-AC)**, **HFC MAC ID**, and **Serial Number (S/N)** located on the label on the bottom of your gateway.

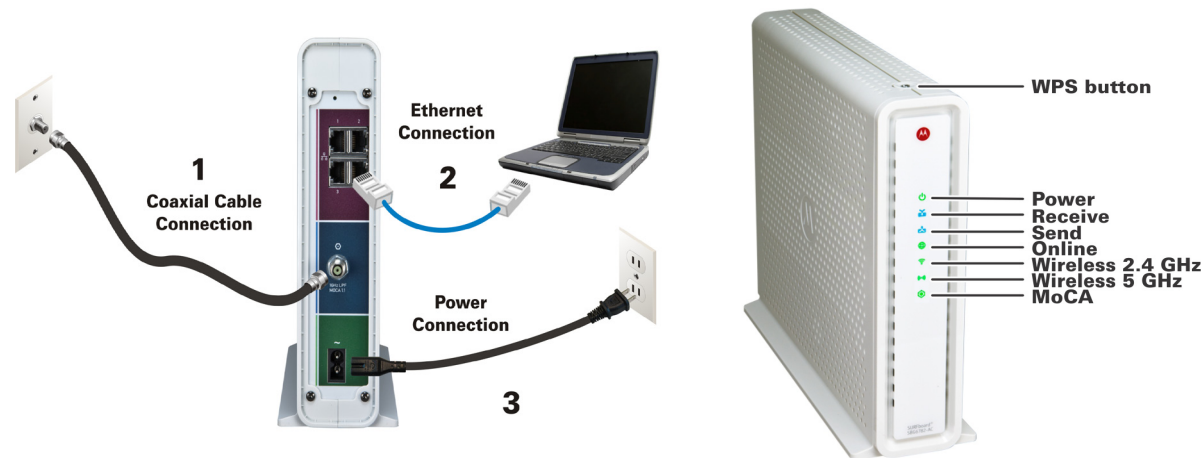
BEFORE RETURNING THIS PRODUCT TO THE STORE for any reason, call Motorola Broadband Technical Support: 1-877-466-8646

Connect Your Gateway

1. Connect the coaxial cable to the cable wall outlet or RF splitter (optional) and the **Cable** connector on the SBG6782-AC. Hand tighten each connector.
2. Connect the Ethernet cable to the **Ethernet** port on your computer and an **Ethernet** port on the SBG6782-AC.
3. Connect the power cord to the **Power** port on the SBG6782-AC and then plug it into an electrical wall outlet.

Note: This automatically powers ON the SBG6782-AC. Check the front panel LEDs. During the initial startup, the **Power, Receive, Send, and Online** LEDs on the SBG6782-AC will FLASH. Afterwards, check that all four LEDs are lit SOLID. The **Wireless** and **MoCA** LEDs will light only when the devices are connected.

Note: To configure a MoCA network, please see the **SBG6782-AC User Guide** for more information.



Test Your Gateway Connections

1. Power ON your computer and log in.
2. Contact your service provider to activate the SBG6782-AC, if automatic activation is not available.

Note: Your service provider may allow for automatic activation which will automatically launch a special website when you open a web browser.

3. Open a web browser on your computer, such as Internet Explorer, Firefox, Google Chrome, or Safari.
4. Type a valid URL (for example, **www.motorola.com**) in the address bar and then click or press **Enter**.

The Motorola website should open. If the web page did not open, please contact your service provider for assistance.

Set Up a Wireless Network Connection

To manage your gateway connections and security settings, access the SBG6782-AC Web Manager via the following URL:

1. Type **192.168.0.1** in the address bar.
2. Type the default user name: **admin**.
3. Type the default password: **motorola**.
4. Click **Login** to open the web manager.

Choose one of the following two options to set up your wireless network connection. When done, continue with **Test Your Wireless Network Connection** below.

- **Computer Wireless Network Options**
- **WPS Pairing Button**

A Set Up the Wireless Network on Your Computer

Note: The steps for setting up a wireless network may differ slightly depending on the operating system installed on your computer. The following steps apply to Windows® 7.

1. From the Windows taskbar, click the following in sequential order:
 - **Start** button
 - **Control Panel**
 - **View network status and tasks**
 - **Set up a new connection or network**
 - **Connect to the Internet**
 - **Set up a new connection anyway**
 - **Wireless**

The Wireless Network Connection window should open.

2. Scroll down and click the MOTOROLA wireless network name (see **SSID** number listed on the SBG6782-AC gateway label).
3. Enter **Network security key** code in the Security key field listed as **Wi-Fi Security key** on the gateway label.

4. Click **OK** to complete the wireless network connection. The **Connected** status message should display.
5. Close the Wireless Network Connection window.

B Use the WPS Pairing Button

To use WPS, your computer hardware must support WPS and also have WPA security compatibility.

The WPS option automatically assigns a random SSID wireless network name and Wi-Fi Security Key to connect the SBG6782-AC and other WPS-enabled devices to your wireless network.

1. Power ON the SBG6782-AC and other WPS-enabled devices that you want to connect to your wireless network.
2. Press the WPS button located on the top of the SBG6782-AC.
3. Press and hold the WPS button on your WPS-enabled computer or other device for five or more seconds.
4. Repeat steps 2 and 3 for each additional WPS-enabled device.

Test Your Wireless Network Connection

1. If connected, disconnect the Ethernet cable from your computer and the SBG6782-AC.
2. Open a web browser on your computer.
3. Type a valid URL (for example, **www.motorola.com/us**) in the web browser address bar, and then click **Enter**.