Welcome to OpenWrt!

A quick guide to Sophos SG 105w / SG 115w with OpenWrt

Quick Reference

Default IP address: 192.168.1.1

Administrative user's name: root

Administrative user's password: password

SSID (wireless network name)   Sophos

Key (wireless password)   Sophos-Key

Port Assignments

On-device label	Function
eth0 (LAN)	LAN port (one of three bridged ports)
eth1 (WAN)	WAN port
eth2 (DMZ)	LAN port (one of three bridged ports)
eth3 (HA)	LAN port (one of three bridged ports)

What Is OpenWrt?

OpenWrt is a Linux-based open-source operating system designed specifically for networking equipment.

Why Did We Put OpenWrt on This Device?

We wanted to come up with an inexpensive way for people to try OpenWrt. So we found several affordable devices on which OpenWrt is known to run well and attempted to set them up in a way that would work well for a new user.

What Did We Change?

To make this device more beginner-friendly and easier to set up, we changed a few OpenWrt defaults:

- The root password is now **password** (you should change it to something more secure using the **passwd** utility on the command line or the **System** >> **Administration** area in LuCI, OpenWrt's Web interface)
- We have configured networking as described in the **Quick Reference** section on the cover page
- We installed a package called **luci-theme-openwrt-2020**; it provides a slightly different look and feel of the Web-based interface
- We installed a package called **luci-app-attendedsysupgrade**; it allows you to upgrade OpenWrt to a newer version while maintaining your device's configuration, including additional packages we (or you) have installed

What Can **You** Change?

Anything! This is your device, and you should be able to set it up in the way that makes sense to you. We changed a few things only to make the device work right out of the box.

Please note that OpenWrt is an extremely lightweight and highly configurable system. This means that on a Sophos device, with its Intel Atom processor, 2 or 4 GB of RAM, and multi-gigabyte storage, you can do a lot of advanced networking, including VPN, ad blocking, threat management, and the like.

What Would Change If You Reset This Router?

If you reset this router, OpenWrt will revert to its initial state. Specifically:

- The device's IP address will reset to **192.168.1.1**
- The root password will be blank (in other words, there will be no root password at all)
- The look and feel of the Web-based interface will revert to default (fonts and colors will be different, navigation menu will be on the top rather than on the left, etc.)
- Depending on whether (and how) your router is cabled at the time of the reset, OpenWrt may designate **eth0** as the WAN port and bridge tree remaining ports into a single LAN
- Wireless networking configuration will be lost and wireless networking will have to be configured from scratch

Needless to say, all these settings are configurable, meaning, you can change them all after the reset.

Where Can You Find More Information?

The official OpenWrt documentation lives here:

https://openwrt.org/docs/start

There is also an active user community at https://forum.openwrt.org/

And, as always, Google is your friend. If you have a problem, chances are, someone had this problem before you did.

Happy Networking!