



SRW224G4 MANUAL 2021

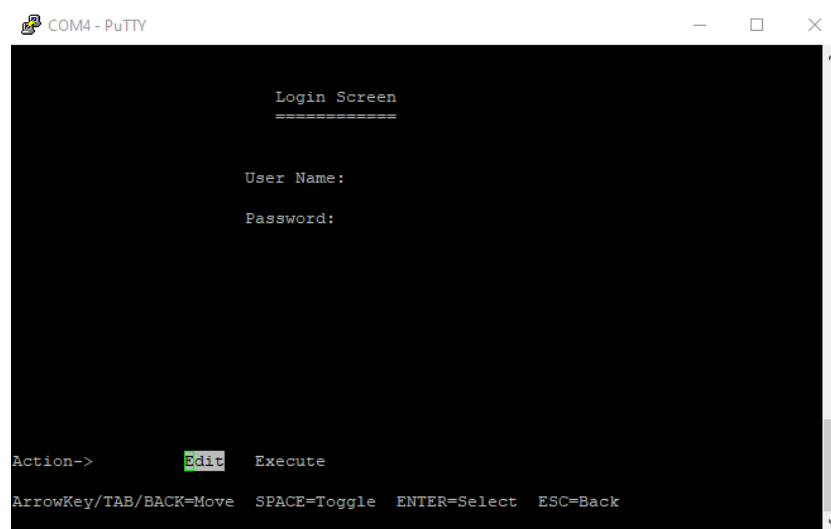
Serial connection, reset and web interface access

Expose

This is a short user manual which explains how to use a Cisco Linksys SRW224G4 network switch in 2021. The switch is more than ten years old hence several workarounds are required in order to get things running. Most of the workarounds were already posted on forums hence this manual is a summary and a backup in case the websites go down.

Serial connection

- (1) Connect the Linksys serial cable that came with the switch between the switch serial port and a nearby computer serial port. For the serial connection, I am using PuTTY.
- (2) The switch default serial port configuration is set to 38400 baud, 8 data bits, no parity, 1 stop bit, no flow control. In case you can't connect with PuTTY despite entering the correct baudrate, you have to enter change the settings given above in the Windows device manager where the serial devices should be listed under 'COM & LPT'.
- (3) Confirm that you have a valid serial connection by pressing enter a few times. You should be prompted with a login screen which looks like this:



Reset

- (1) Establish a serial connection (see section Serial connection).
- (2) If you have successfully established serial communication with the switch, reboot the switch by disconnecting and then reconnecting it's power cable.
- (3) The switch will begin it's POST procedure as displayed in the serial terminal emulator. Be ready at the keyboard to press the Esc key.
- (4) Watch for the following line to appear during the boot sequence.

[illegible]

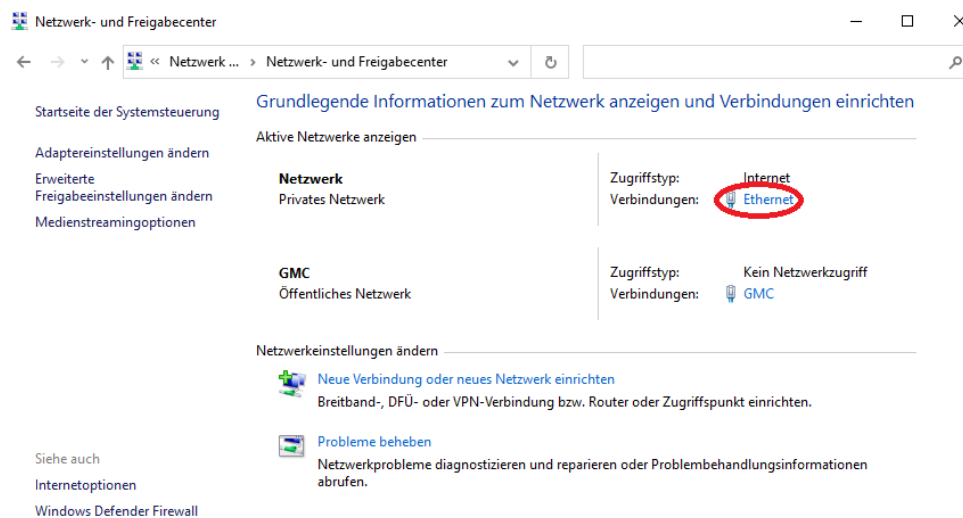
When you see it, immediately press the ESC key.

- (5) IMPORTANT: Do not hold down the Esc or Enter/Return key during the boot sequence. Only press the Esc key when prompted.
- (6) If you successfully interrupted the boot sequence, you will be prompted with a Startup Menu. Option number 3 will be the "Password Recovery Procedure". Select this option.
- (7) The terminal will display, "Current password will be ignored!". Press enter to continue with the boot sequence.
- (8) The default account with the username "admin" and no password will be enabled and you can log into the switch using this account. From here, you can set new accounts without having lost the switch configuration.
- (9) After you have configured new accounts and documented the passwords, reboot the switch and log in normally to confirm that passwords have been recovered successfully.
- (10) You are done. Disconnect and store the serial cable in a safe place for future use. Be sure to document a login username and password somewhere safe for future reference.

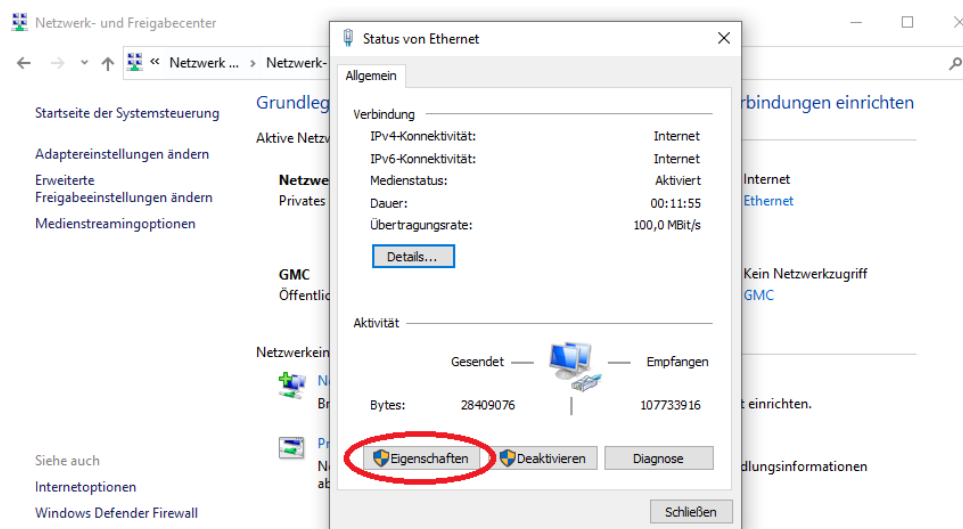
Web interface access

Here you can see how to access the web interface on a switch with standard settings.

- (1) I am using Chrome to access the web interface. Most modern browsers are not compatible with the web interface of the switch (using Ubuntu 12.04 it worked at some point with Firefox). In Chrome and also Firefox on Windows you now have to install the extension 'IE Tab'. Go to the IE Tab settings and add 'http://192.168.1.254/' to the auto URLs. If you have Internet Explorer 6 or 7 installed, you can also just use that.
- (2) Connect your switch to a computer via ethernet.
- (3) I am using Windows 10. In Windows, go to the Network and Sharing Center and click the following button:

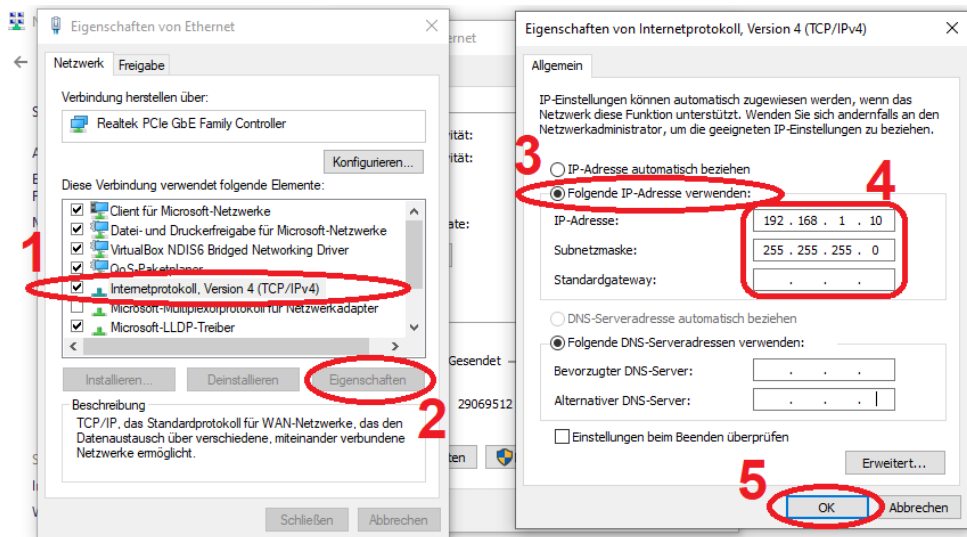


- (4) Go to properties:



(5) Do the following:

1. TCP/IPv4
2. Properties
3. Check 'Use the following IP address'
4. Enter the IP and Subnet mask
5. OK



(6) Go to your browser and open the URL 'http://192.168.1.254'. You can also just enter it in IE Tab directly. Enter the username and password which can be set via serial. The standard account credentials are 'admin' as username and no password.

(7) If the login works but you only see a mostly blue web page, something probably went wrong with IE Tab. When IE Tab is active, you should see a second address bar similar to this:



Type in Username and Password, then click OK

| | |
|-----------------------------------|--------------------------|
| Username | <input type="text"/> |
| Password | <input type="password"/> |
| <input type="button" value="OK"/> | |

The URL in the standard address bar of your browser should look similar to 'chrome-extension://hehijrmvuzdkmjfkkgjeoxnvbdenadd/nhc.htm?url=http://192.168.178.142/config/authentication_page.htm'.