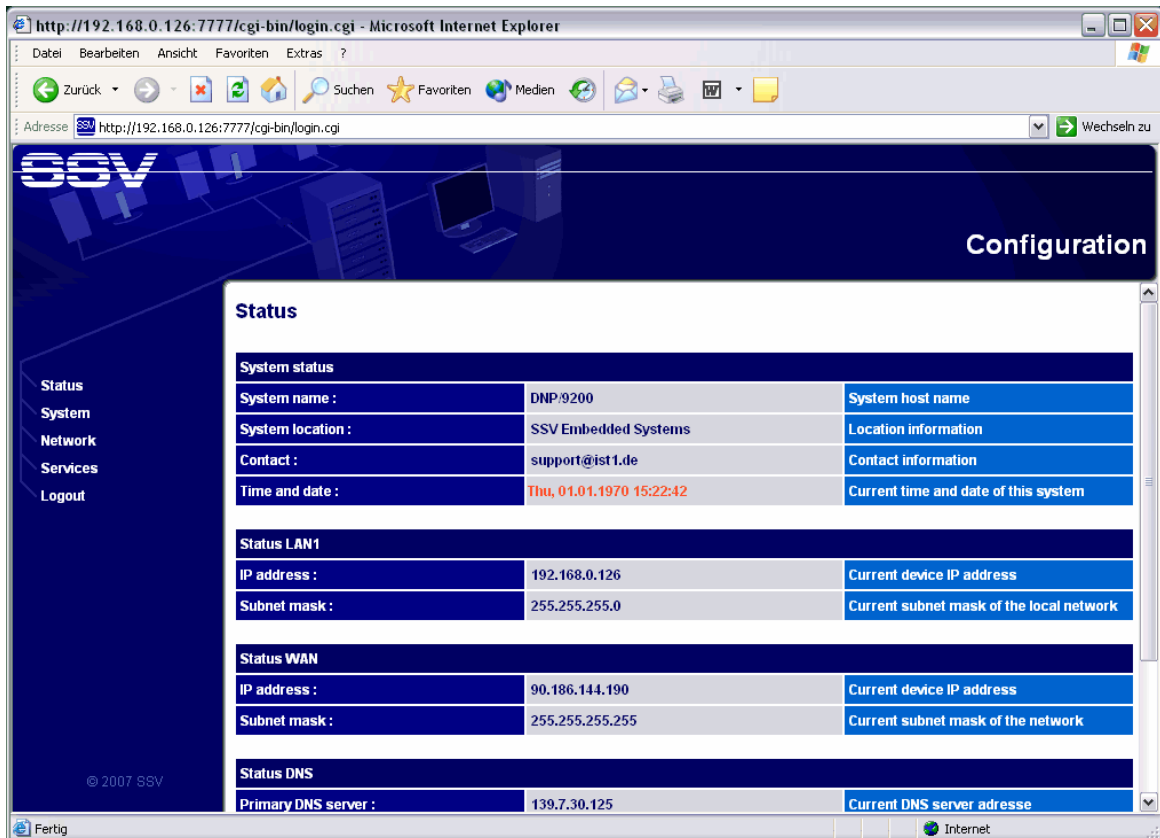


## How to understand the Router Application Kit (RAK) Firmware

The DNP/9200 RAK firmware contains a web-based user interface with five main menu items. These items are accessible over the left frame within the browser window (see *Status*, *System*, *Network*, *Services* and *Logout*).

- **1. Step – Menu Item *Status*:** Display some RAK system and status information to the user.



This RAK firmware function shows some system and status information to the user. There are no sub-menu items. The information fields are:

**System status:** System name, system location, contact information, time and date.

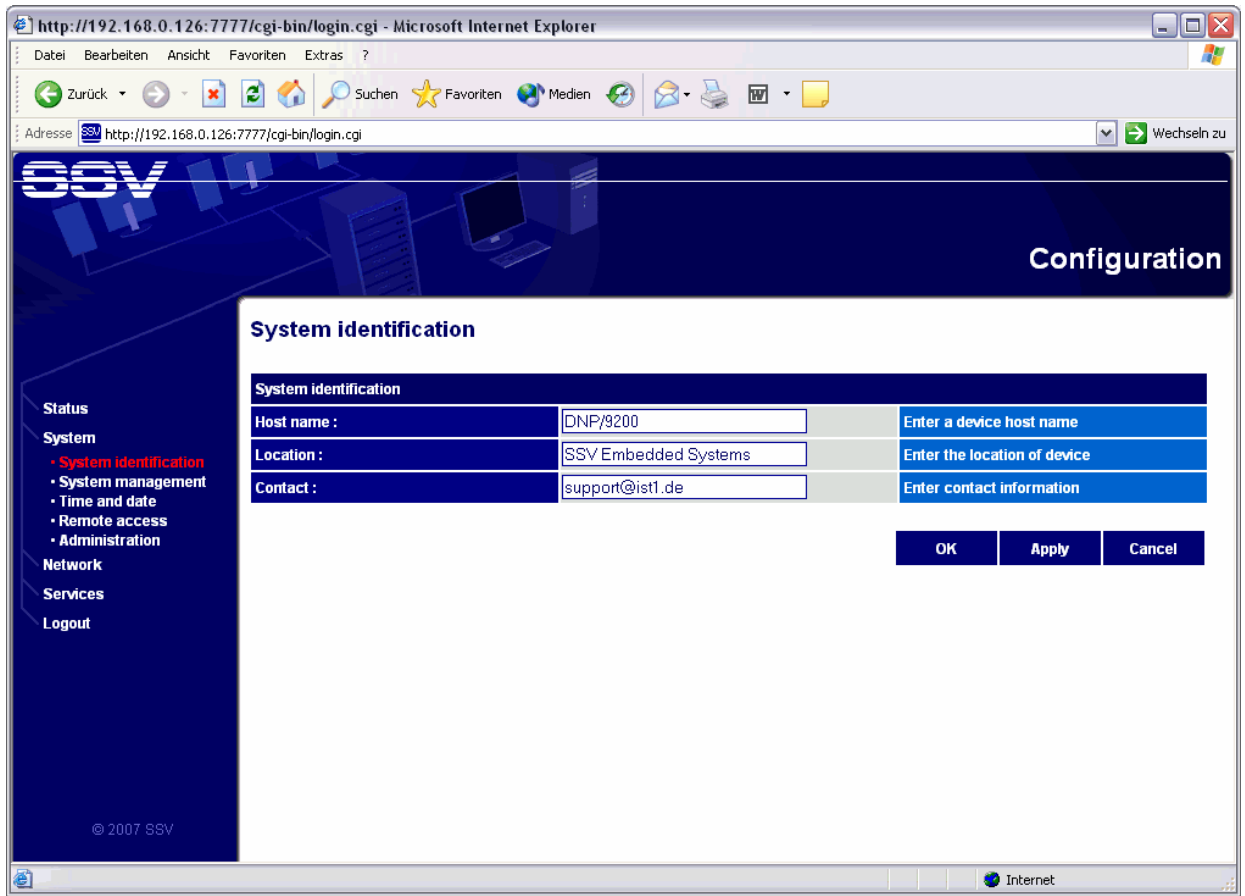
**Status LAN1:** IP address and network mask for the Ethernet interface LAN1.

**Status WAN:** IP address and network mask of the modem-based internet connection (address and mask only available if the RAK is connected to the internet).

**Status DNS:** IP addresses of DNS servers (addresses available if the RAK is connected to the internet).

**Status route:** IP address of the current default gateway (address available if the RAK is connected to the internet).

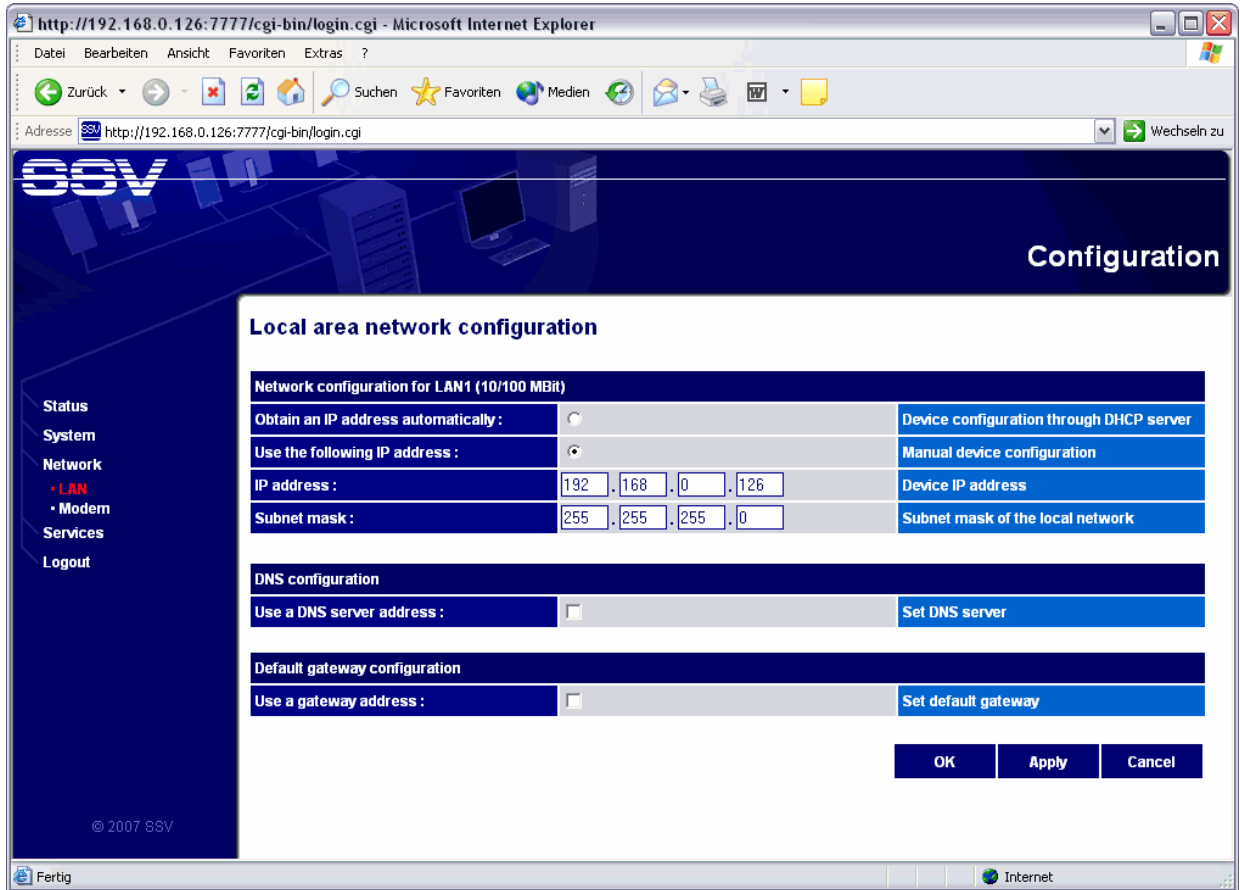
- **2. Step – Menu Item *System*:** Change system information, set time and date, change passwords.



Sub-menu item	Function
System identification	Set host name, location and contact information.
System management	Reboot, HALT and configuration management.
Time and date	Set time and date, specify NTP server.
Remote access	Switch OpenSSH on or off. OpenSSH password definition.
Administration	Password management for the web-based interface.

**Table 2.1:** Sub-Menu Items within Menu Item *System*

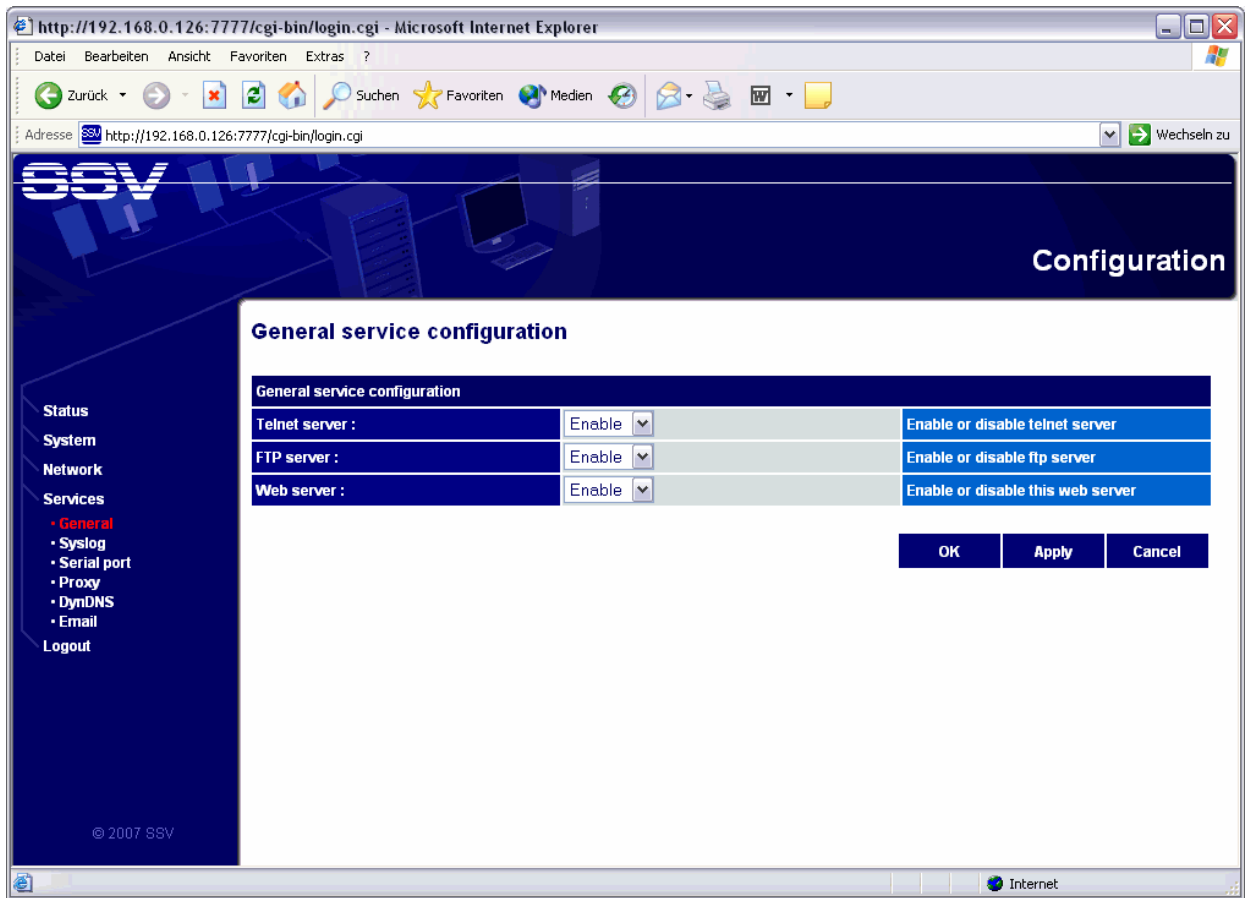
- **3. Step – Menu Item Network:** Change and manage IP addresses, network mask and other configuration data for the Ethernet LAN interface LAN1 and the modem-based Internet connection.



Sub-menu item	Function
LAN	Network configuration for the LAN1 Ethernet interface (eth0).
Modem	Modem and Internet connection configuration.

**Table 3.1:** Sub-Menu Items within Menu Item *Network*

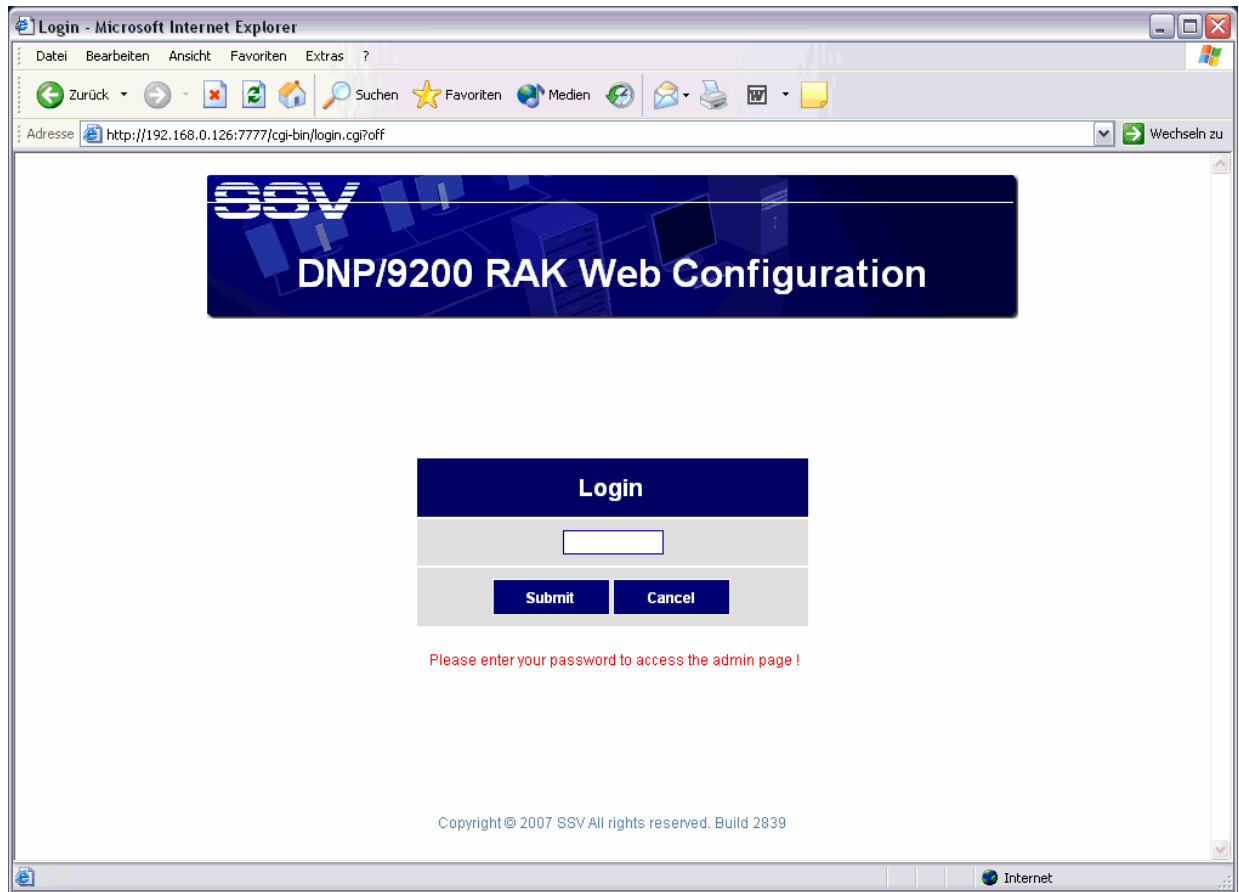
- **4. Step – Menu Item *Services*:** Enable, disable and configuration for some RAK system services.



Sub-menu item	Function
General	Enable or disable Telnet, FTP or HTTP (web) server.
Syslog	Syslog service configuration.
Serial port	Configuration for serial port redirection.
Proxy	Proxy server configuration. SSL certificate.
DynDNS	DynDNS client configuration.
Email	Email client configuration.

**Table 4.1:** Sub-Menu Items within Menu Item *Services*

- **5. Step – Menu Item Logout:** This menu item terminates a web-based session. The RAK shows the login screen direct after activating the menu item *Logout*.



**Please note:** All information within this document are valid for the RAK firmware build 2839. Please watch the build number embedded into the login screen.

That's all.