



# User's Guide

## Tiny Size

25.4mm x 25.4mm x 3.4mm

## Software

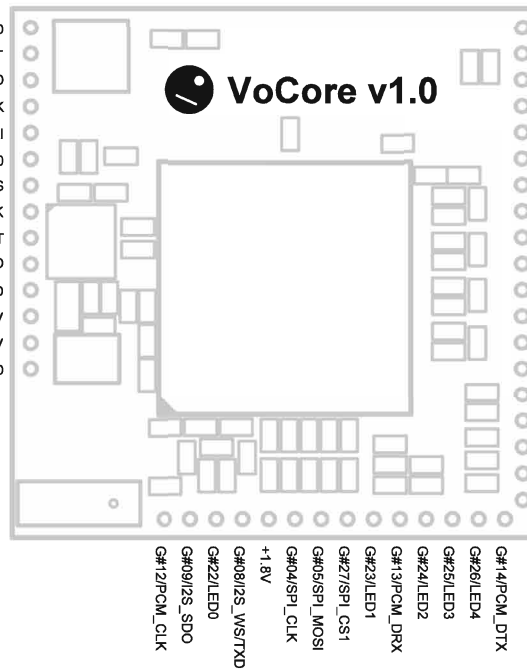
OS: OpenWrt (Linux 3.10.44)  
 GUI: LuCI  
 IP: 192.168.61.1  
 Login: root  
 Password: vocore

**CPU**  
 360MHz, MIPS 24Kec

**Memory**  
 133MHz, 32MB

**Input Voltage**  
 3.2V - 6.0V

**WIFI**  
 2.4GHz, 802.11n, up to 150Mbps



**USB 2.0**  
 480M, High-Speed

**Ethernet**  
 Two ports, 10/100M

**GPIO Pins**  
 28

**Interfaces**  
 UART, SPI, I2C, I2S, PCM, JTAG

**Flash Memory**  
 SPI, 8MB, 104MHz



# User's Guide

## VoCore v1.0 Dock

### Size

27.4mm x 26.2mm x 16.4mm

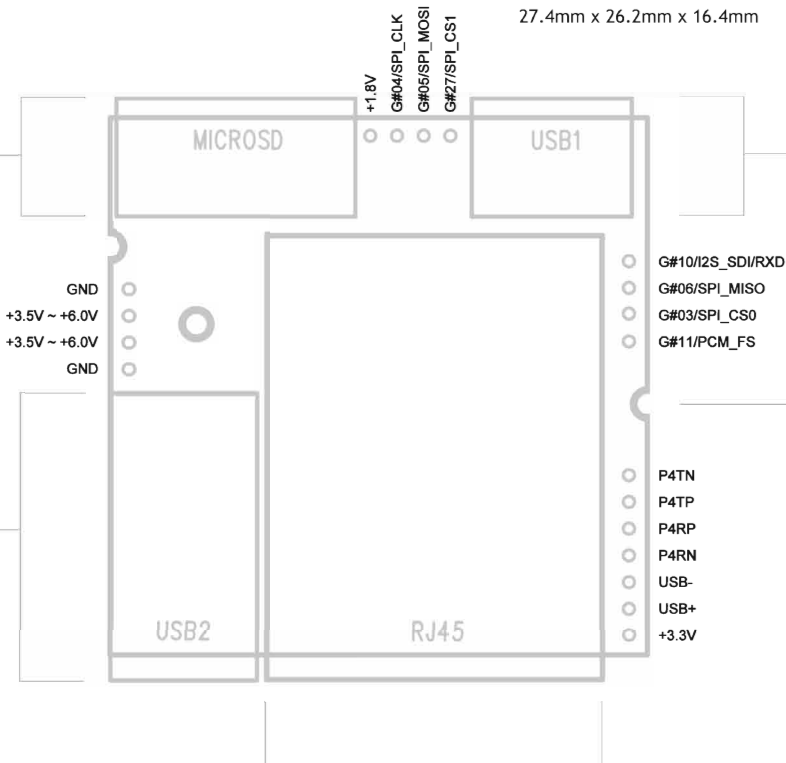
**MicroSD**  
SPI micro SD slot, up to 30MHz

**USB2**  
USB2.0 host, using USB+, USB-

**USB1**  
Connect to USB power supply(+5.0V)

**Screw Hole**  
2.0mm, two half, one full

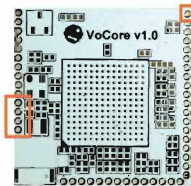
**RJ45**  
10/100Mbps, 2 LEDs, with transformer





# User's Guide

## Power



Without Dock  
Connect to 3.2V-6.0V & GND



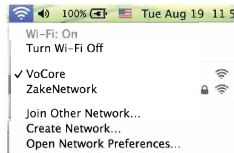
With Dock  
Connect to USB1

## Boot

Booting will require about 30 seconds (the LED will light for 15 seconds).

## Connect

Find VoCore-XXXXXX in your computer wifi AP list.

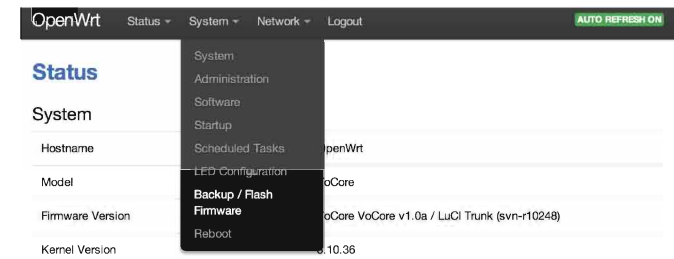


## LuCI Panel

open 192.168.61.1 to the LuCI control panel  
Login: root / vocore

## Update Firmware

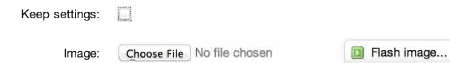
1. Click on Backup / Flash Firmware



2. Uncheck "Keep Settings", click on "Choose File" to find your firmware. Then click on "Flash Image" to load your firmware to memory.

### Flash new firmware image

Upload a sysupgrade-compatible image here to replace the running firmware. Check "Keep settings" to retain the current configuration (requires an OpenWrt compatible firmware image).



3. Press "Proceed" to continue.

### Flash Firmware - Verify

The flash image was uploaded. Below is the checksum and file size listed, compare them with the original file to ensure data integrity. Click "Proceed" below to start the flash procedure.

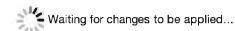
- Checksum: 33fd34ddd6bffb024fc04c35ca0cc017
- Size: 3.50 MB (7.69 MB available)
- Configuration files will be kept.



4. Wait about 2-3 minutes. Once the new firmware ready, LuCI panel opens automatically

### System - Flashing...

The system is flashing now.  
DO NOT POWER OFF THE DEVICE!  
Wait a few minutes until you try to reconnect. It might be necessary to renew the address of your computer to reach the device again, depending on your settings.

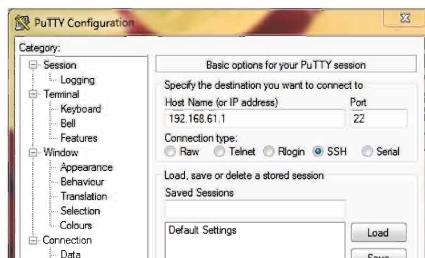




# User's Guide

## Connect through SSH : Windows

1. Find SSID: VoCore\_XXXXXX in your connection list. Connect to it.

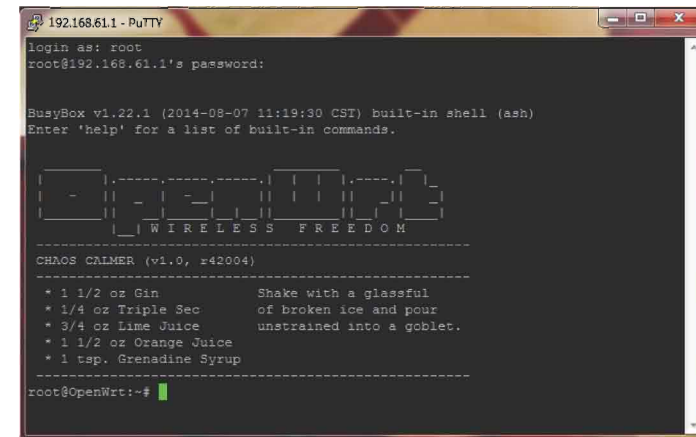


2. Use PuTTY or other SSH client connect to 192.168.61.1, port 22

3. Press 'Yes' button. (only show once)



4. Login As: root  
Password: vocore



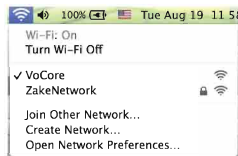
5. There is the OpenWrt welcome message, now we can control it from console. Your VoCore is ready!



# User's Guide

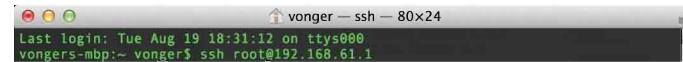
## Connect through SSH : MacOS

1. Find SSID: VoCore\_XXXXXX in your connection list. Connect to it.

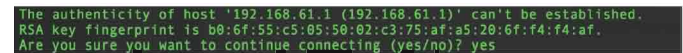


2. Run Terminal in Application/Other

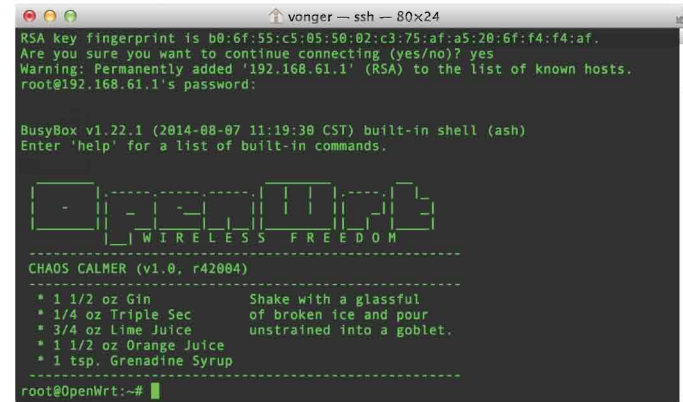
3. Input command "ssh root@192.168.61.1"



4. Input "yes" to continue. (only show once)



5. Password is vocore, press enter to continue.



6. There is the OpenWrt welcome message, now we can control it from console. Your VoCore is ready!



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.