

UniFi Controller

Powered by Raspberry Pi 4B

[English version] 



1. Connect the device to your home / business network with an Ethernet cable to the RJ45 port
2. Connect power to the USB-C port (power source at least 5VDC / 2.5A, recommended 5VDC / 3A) or use an active POE extractor (power source and extractor not included)
3. Wait for the system to start, including the UniFi application, about 2 minutes
4. A) A DHCP server is active in the network
 - a. Enter the address <https://<DHCP-IP>:8443> to the browser
 B) A DHCP server is not active in the network
 - a. Set an IP address on your computer from the range 192.168.1.0/24
 - b. Enter the address <https://192.168.1.30> in your browser
5. Software Setup Guide:
 - A) Setup with remote access (requires an account at <https://www.ui.com>)
 - a. Name your network (Pic. 1)
 - b. Enter your login credentials at <https://www.ui.com> (Pic. 2)
 - c. Set UniFi network options (Pic. 3)
 - d. Adopt UniFi devices on your current network (Pic. 4)
 - e. Enter the name of the new wireless network and the encryption key (Pic. 5)
 - f. Review the configuration, select the correct state where the network will be operated and the time zone (Pic. 6)
 - B) Settings without remote access:
 - a. Name your network (Pic. 1)
 - b. Switch to Advanced Setup and uncheck Enable remote access and use your Ubiquiti account for local access. Fill in the login credentials according to your preferences (Pic. 7)
 - c. Set UniFi network options (Pic. 3)
 - d. Adopt UniFi devices on your current network (Pic. 4)
 - e. Enter the name of the new wireless network and the encryption key (Pic. 5)
 - f. Review the configuration, select the correct state where the network will be operated and the time zone (Pic. 6)
6. Username and password for console and SSH access:
pi/RaspberryPi4 or ubnt/ubnt
7. Reset the UniFi controller to factory settings - log in via console or SSH and edit the system.properties file with the command "sudo mcedit /usr/lib/unifi/data/system.properties", change the value "is_default=false" to "is_default=true" . Press F10, confirm to save the file and finally reboot with "sudo reboot".
8. Update UniFi controller – run the command „sudo apt update“, confirm any change of the name of the UniFi repository and finally run command „sudo apt upgrade“
9. Complete SW UniFi documentation is available at <https://www.ui.com>



Pic. 1



Pic. 2

Step 2 of 6

Sign in with your Ubiquiti Account

Use your Ubiquiti Account to access your Controller via the unifi.ui.com service or locally with the same credentials.

Username

Password

[Switch to Advanced Setup](#)



Pic. 3

Step 3 of 6

UniFi Network Setup

Basic configuration for your network.

Automatically optimize my network



UniFi Network automatically detects and sets the most commonly missed, but vital, settings for improved WiFi and network performance.

Enable Auto Backup



UniFi Network will periodically do backups of your setup.



Pic. 4

Step 4 of 6

Devices Setup

Please select the devices you would like to configure.

<input type="checkbox"/>	MODEL	IP	MAC	UPTIME
<input type="checkbox"/>	UniFi AP-AC-LR			1 hour ago



Pic. 5



Pic. 6



Pic. 7

Step 5 of 6

WiFi Setup

Name your new Wi-Fi network and choose a password.

WiFi Name
YOUR_SSID

WiFi Password

Combine 2 GHz and 5 GHz WiFi Network Names into one



Step 6 of 6

Review Configuration

Check your configuration and setup your Controller.

Controller Name	UniFi Network
Remote Access	Enabled
Use Ubiquiti account for local access	Yes
Ubiquiti Account	<input type="text"/>
WiFi Name	YOUR_SSID
Country or territory	Czech Republic
Timezone	(UTC+02:00) Europe/Prague

Step 2 of 6 (Advanced)

Advanced remote and local access

Change access methods and local accounts

Enable Remote Access



You will not be able to login to this device via the Remote Access and must provide local credentials for managing this device, all its controllers as well as SSH.

Use your Ubiquiti account for local access



Local Administrator Username

Local Administrator Password

Confirm password

Local Administrator Email

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