



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

AREA
SISTEMI E SERVIZI
INFORMATICI

Internet access system through the ALMAWIFI wireless network of the University of Bologna

MAC OS

(last update al 19/03/2025)

The updated version of the document is always the one published online at
<http://www.unibo.it/almawifi>

This document shows how to securely connect your MAC OS/X device to the ALMAWIFI network of the University of Bologna.

A WPA2-Enterprise security access system has been implemented on every access point according to the requirements of WI-FI Alliance, which guarantees complete encryption of all the traffic flows.

During this process, you will be asked for your DSA (University Directory Service) institutional credentials, which will be checked by a centralized server (Radius Server); only after passing the checks, your computer will be automatically connected to the Internet.

This process must be done only the first time because subsequently your operating system will automatically pass both the configuration and the credentials.

We remind you that user credentials should be activated by setting a personal password via the following website: <https://www.dsa.unibo.it>

For further information about connection problems please consult FAQ ALMAWIFI at <http://www.unibo.it/almawifi>

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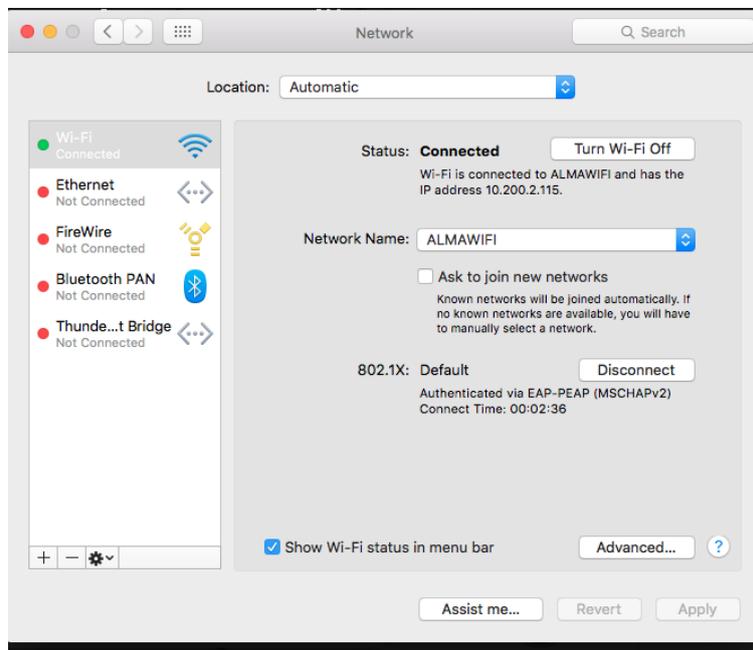
Previous profile removal

If you experience some problems due to a pre-existent connection or if you want to edit it, we suggest you to delete it before proceeding.

Click on the wireless network icon on the upper right and select Open Network Preferences...



On the WIFI section of the network window, click on Advanced...

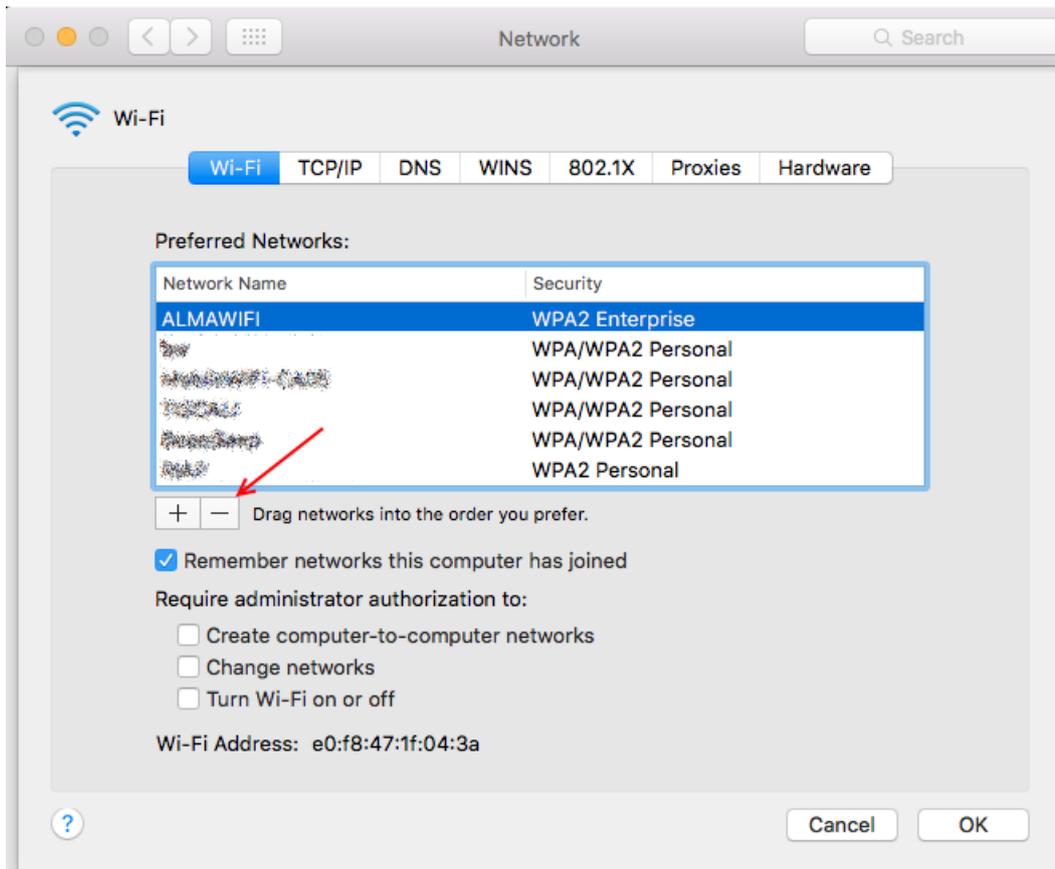


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Select ALMAWIFI network and click on the minus icon to remove it.



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Client configuration using Mac OS

The operating system must be Mac OS X 10.3 or later; this OS automatically recognizes if the network you are joining uses WPAx-Enterprise, and it gives you the correct prompt.

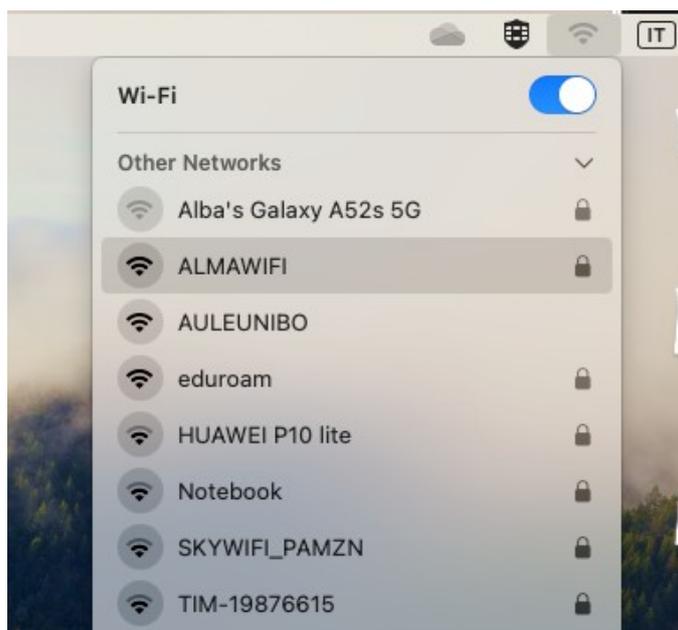
WPA works best in Mac OS X 10.3.3 or later with AirPort software 3.3 or later.

There are two ways to set up WPA, Personal and Enterprise. For a school or business, WPA Enterprise can provide each user with unique credentials. WPA2-Enterprise uses the same security as WPA Personal, but with the added measure of individual usernames and passwords.

When you want to switch to wireless: Click on the **Wi-Fi** icon, and choose **Turn Wi-Fi On**.



In the same menu, select ALMAWIFI.



The WIFI window will appear. You will need to enter the appropriate configuration settings for the ALMAWIFI network detailed below:

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macOS X 10.3



macOS X 14.7

- Wireless Security: **WPA2 Enterprise**
- User name: **name.surname@unibo.it** for staff of University, **name.surname@studio.unibo.it** for students of University
- Password
- 802.1X Configuration: set to **Automatic**

Click **OK**.

You will see a Verify Certificate dialog box.

Click **Show Certificate** button to review and approve.

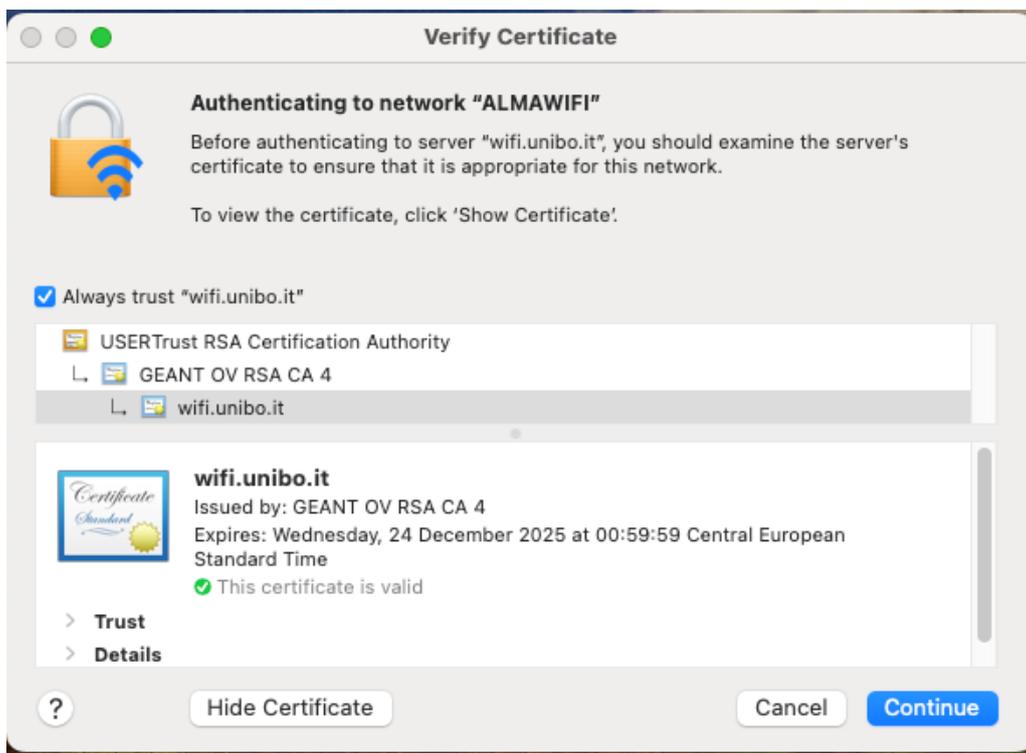


Clicking **Continue** will allow the certificate to be accepted for this single connection. To accept the certificate permanently and avoid going through the process in the future, check the **Always trust these certificates** box:

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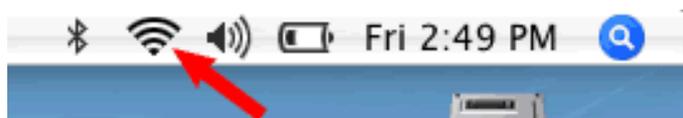
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certificate_name = **wifi.unibo.it**
CA_root_name = **USERTrust RSA Certification Authority**
entity that issued it = **GEANT OV RSA CA4**

If your Mac doesn't have the CA root in persona certificates folder, please download and install it via:
https://comodoca.my.salesforce.com/sfc/p/1N000002Ljih/a/3I000000VZ4M/ie5Sho19m8SLjTZkH_VL8efOD_1qyGFt9h5Ju1ddtbKQ

When you are connected the airport icon at the top right of your desktop will turn black.



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Instructions for accepting the new ALMAWIFI certificate on Mac OS and IOS systems

After updating the certificate used to securely identify the ALMAWIFI wireless network, Mac OSX and IOS systems may ask for confirmation of acceptance of the new certificate.

Below is an example of what could happen when connecting to ALMAWIFI with IOS or Mac OSX systems.

If this message appears when connecting to AlmaWifi with an IOS system:



Verify that:

- the certificate name is: **wifi.unibo.it**
- the certificate is issued by **GEANT OV RSA CA4**
- the certificate is Valid

then click on “Authorize”

If this message appears when connecting to AlmaWifi with a MAC OS system:



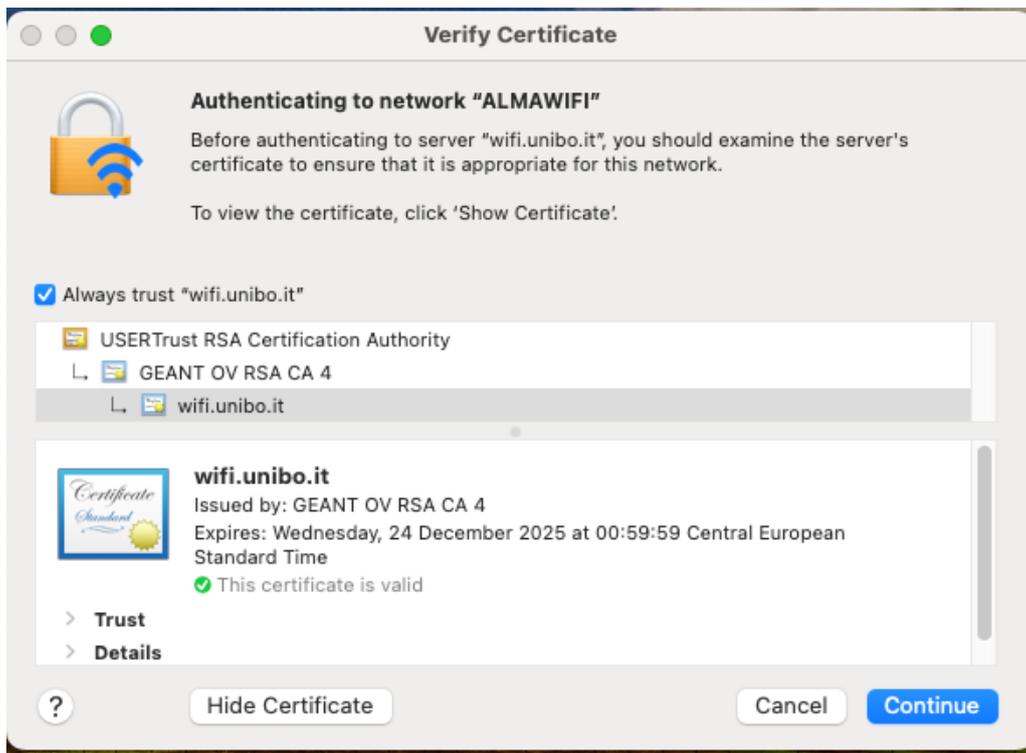
click Continue to accept the certificate for this single connection.

To permanently accept the certificate, avoiding selecting it for each connection, add the flag to Always trust these certificates: wifi.unibo.it

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Parameters must match the following:

certificate_name = **wifi.unibo.it**

CA_root_name = **USERTrust RSA Certification Authority**

entity that issued it = **GEANT OV RSA CA4**

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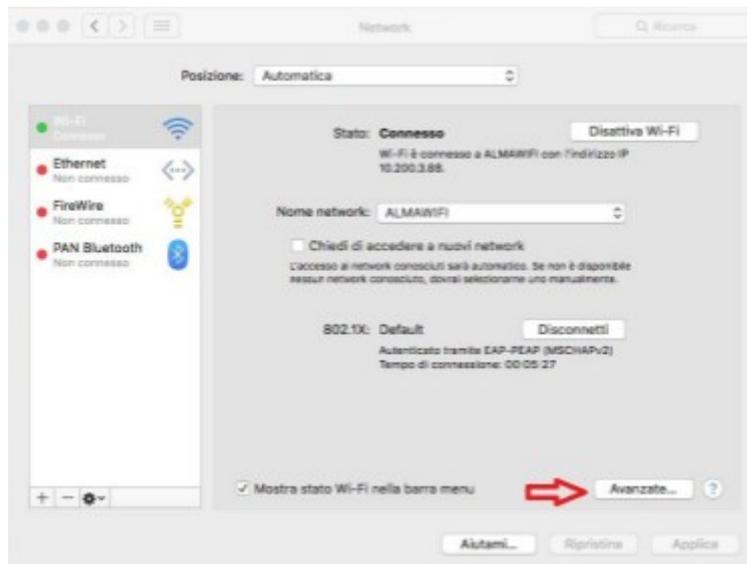
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Limited or no connection / Internet not available

If the device is connected to ALMAWIFI but does not browse the Internet (message “limited or no connection”, “no Internet access”, “Internet not available, etc.”), you need to check that both IP and DNS are automatic (DHCP active).

The DNS and TCP/IP tabs are available, starting from System Preferences, selecting the Network item, the connection currently in use (Wi-Fi) and then pressing the Advanced button at the bottom right:



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