



QSG ALTOS

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This Wiki page contains the online version of the **Quick Start Guide (QSG)** for the **ALTOS Home Router**. Here you will find an overview of the various components on the front and back of a ALTOS device, hardware installation instructions, first login information, device specifications, and general safety information. It is highly recommended to acquaint yourself with the Quick Start Guide before using the device. You can also locate a printed version of the Quick Start Guide in the packaging box of your device.

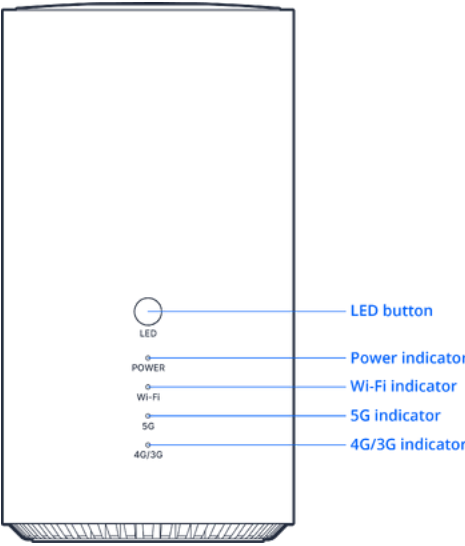


Safety information

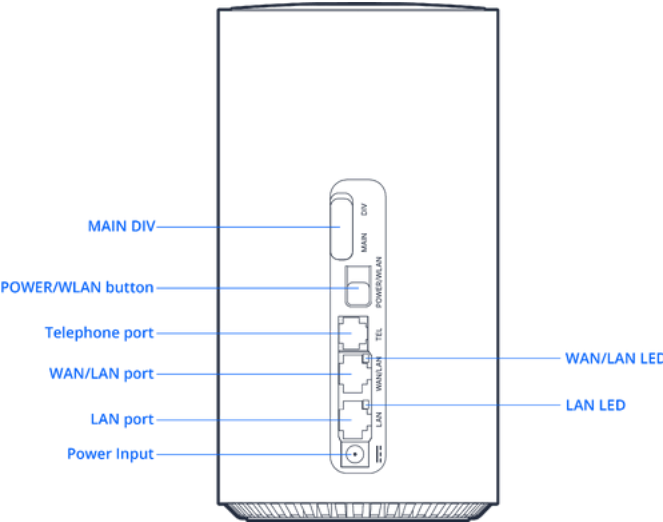
Before starting operating the device, please review recommendations and precautions to minimize the possibility of accidents. Safety precautions presented are supplementary and subject to the local safety regulations. When various operations are executed on the device, the user must fully follow the safety instructions and recommendations provided with the device.

Quick Start Guide

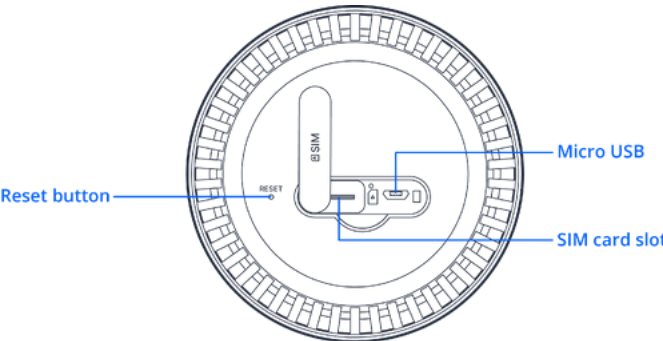
Front view



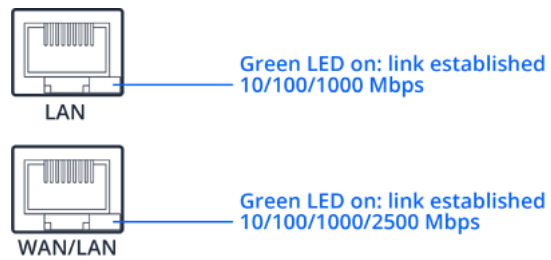
Back view



Bottom View

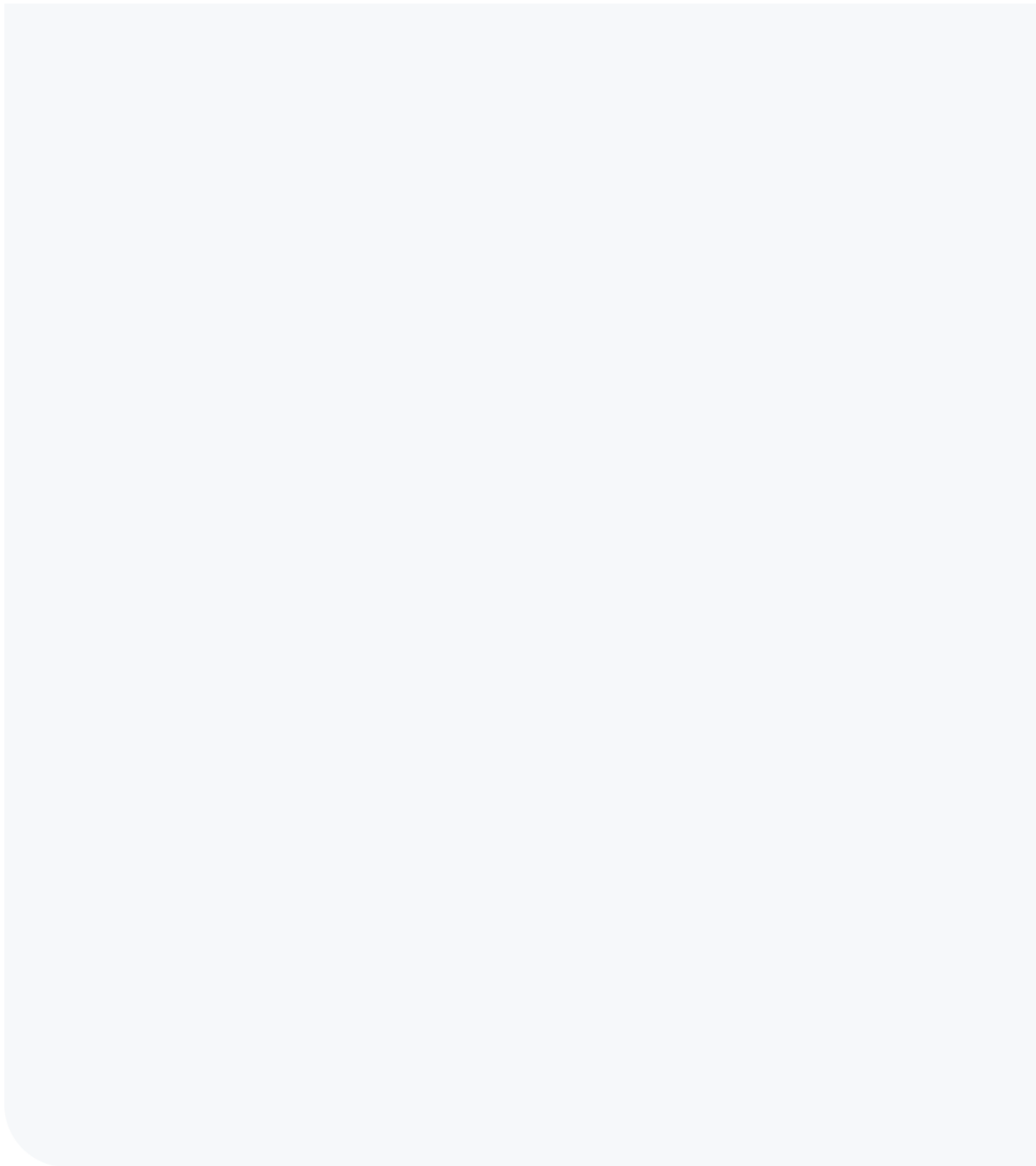


RJ45 LEDS

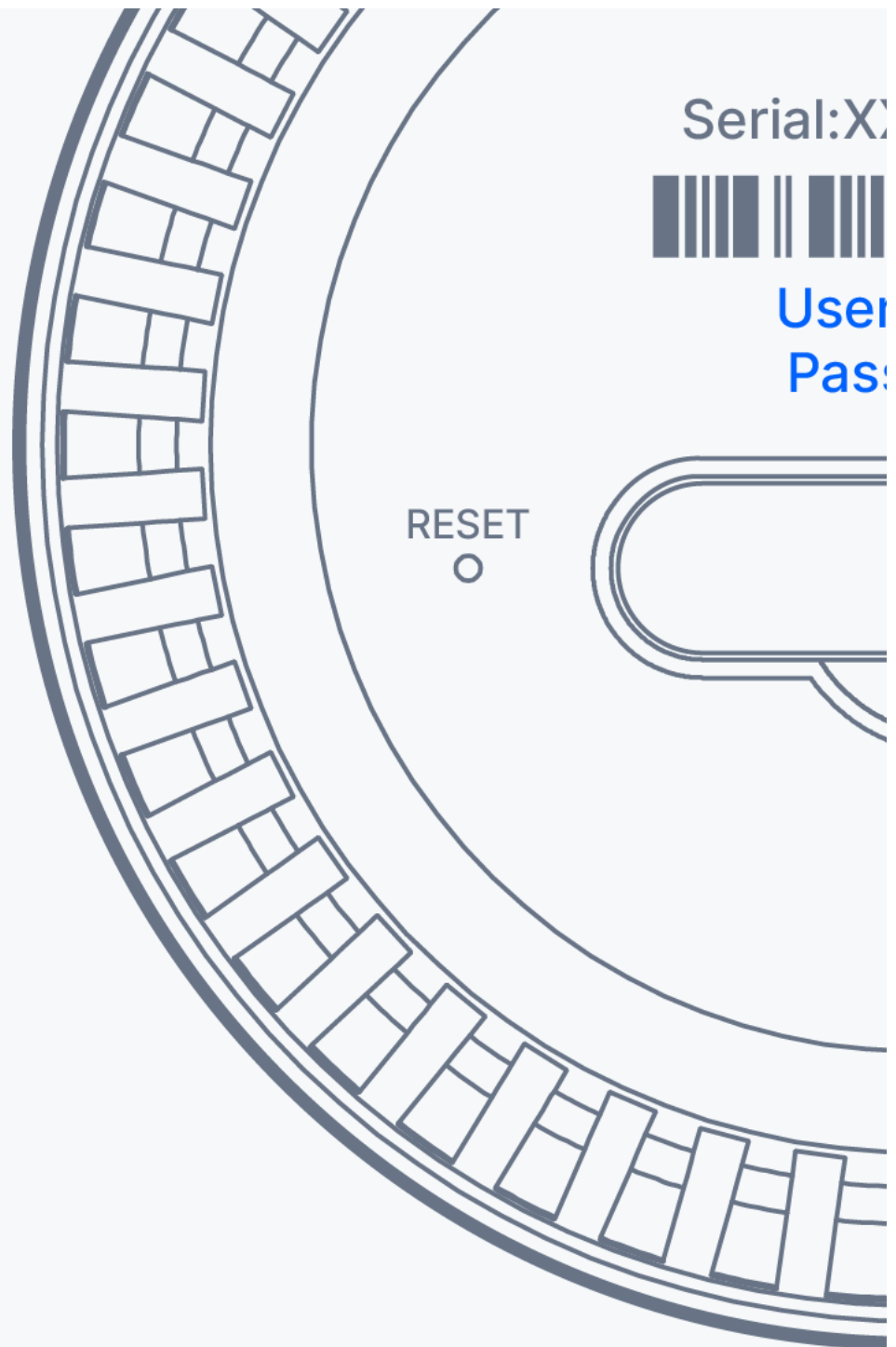


Hardware installation

1. Open the SI

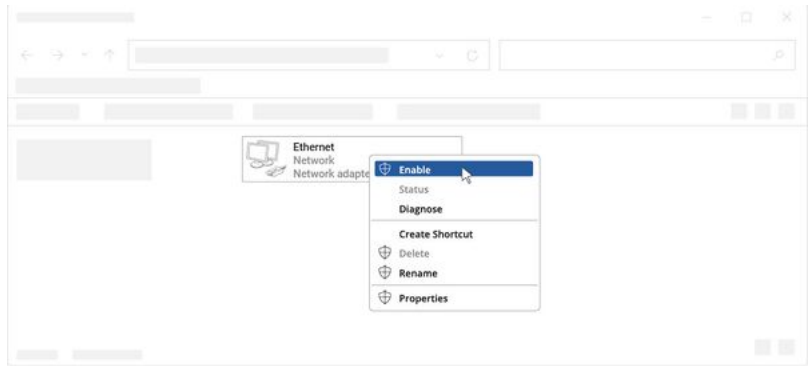


3. To access the browser's address bar using the user information label

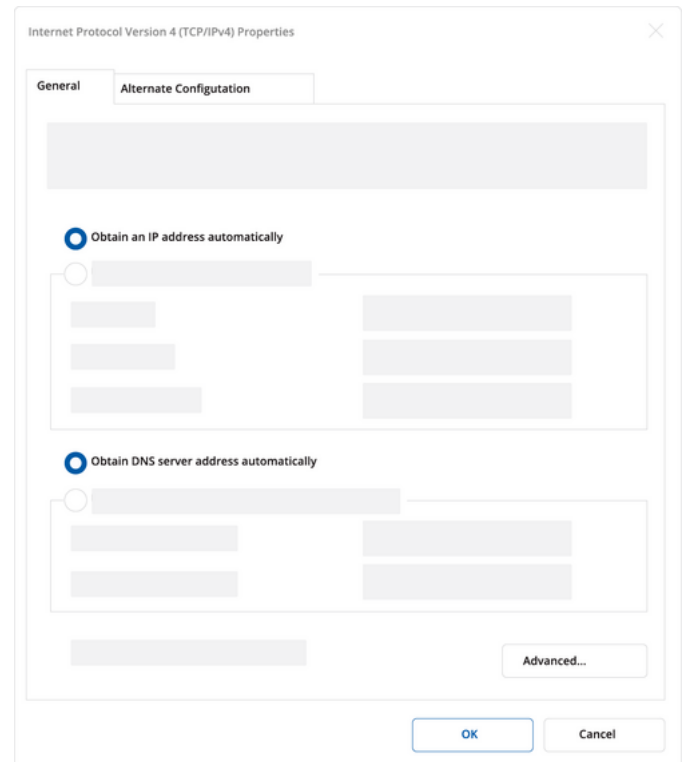


Configure your computer LAN (Windows)

1. Ensure the Network connection is Enabled. Go to Start — Control Panel — Network and Internet — Network and Sharing Center. Click on the **Change adapter settings** in the left panel, then right-click on Network Adapter, and select Enable.

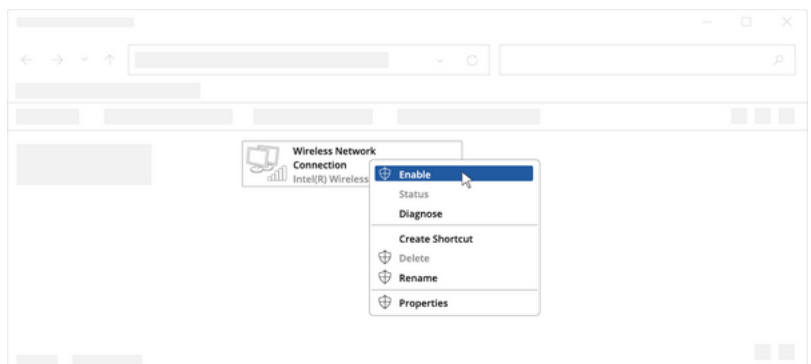


2. Check if IP and DNS are obtained automatically. Right-click on Network Adapter and select Properties. Then select **Internet Protocol Version 4** and click Properties.
3. If not selected, check to **obtain an IP address** and **obtain DNS server address automatically**. Click OK.



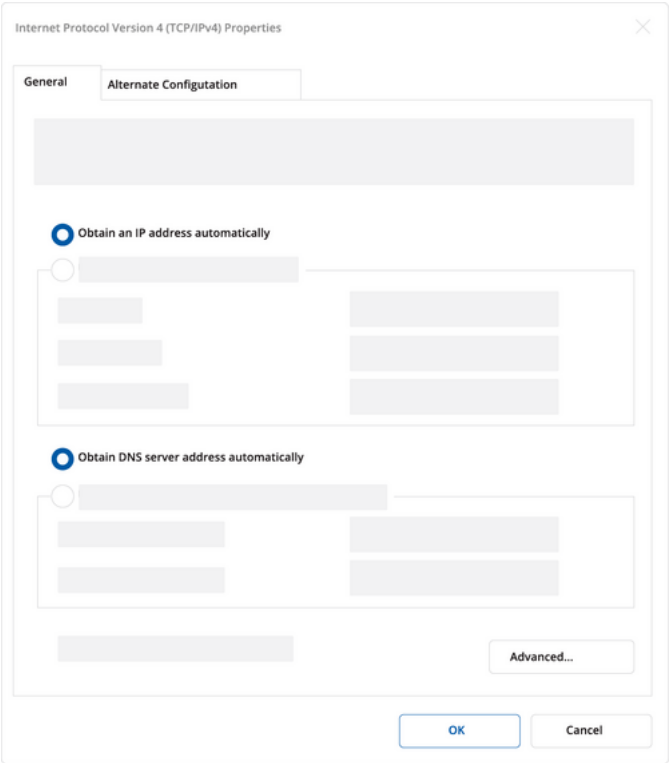
Configure your computer Wi-Fi (Windows)

1. Ensure the Wireless network connection is Enabled. Go to Start — Control Panel — Network and Internet — Network and Sharing Center. Click on the **Change adapter settings** in the left panel, then right-click on Wireless Network Adapter, and select Enable.

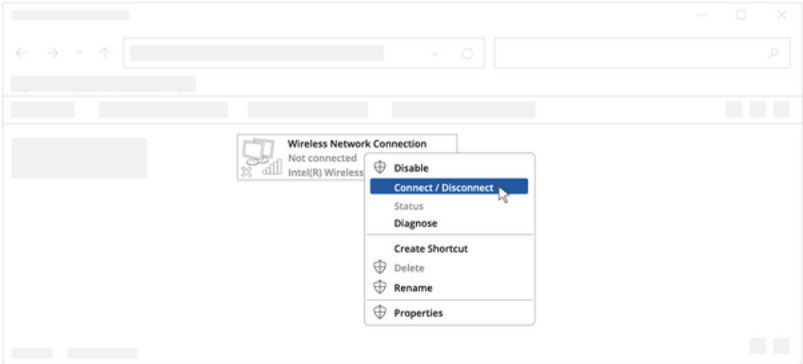


2. Check if IP and DNS are obtained automatically. Right-click on Wireless Network Adapter and select Properties. Then select **Internet Protocol Version 4** and click Properties.

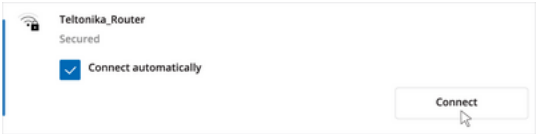
3. If not selected, check to **obtain an IP address** and **obtain DNS server address automatically**. Click OK.



4. Connect to a wireless network by right-clicking on Wireless Network Adapter and selecting Connect.



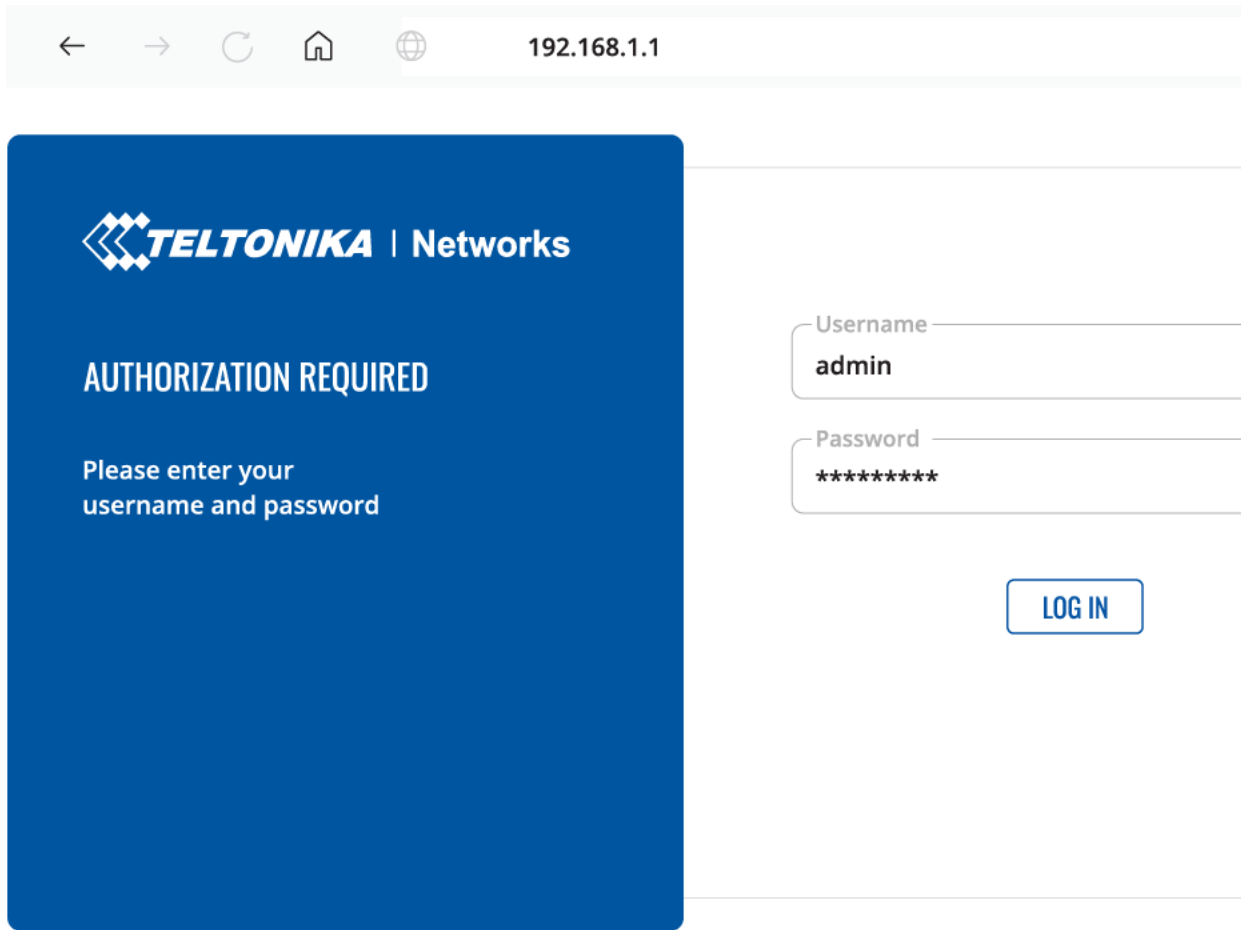
5. Choose the wireless network ALTOS **** from the list and click Connect. Enter the Wi-Fi password located on the device's label.



Login to device

1. To enter the router's Web interface (WebUI), type `http://192.168.1.1` into the URL field of your Internet browser.

2. When prompted for authentication enter the username `admin` and enter the password located on the device information label/engraving.



← → ↻ 🏠 🌐 192.168.1.1



AUTHORIZATION REQUIRED

Please enter your username and password

Username

Password

LOG IN

3. After logging in, you must set a new password for security reasons. You will not be able to interact with the router's WebUI until the default password is changed. The new password must consist of a minimum of **8 characters**. Requirements: one uppercase letter, one lowercase letter, and one digit.

4. Next, the Configuration Wizard will start to help you set up some of the router's main operational parameters.

5. Finally, let's verify the Mobile signal strength. Go to the **Status — Network** page and pay attention to the **Signal Strength** indication.

To achieve the best signal conditions and maximize cellular performance, try adjusting the

MODEM ⓘ

DATA CONNECTION

Connected

STATE

registered (home); LTE; 4G+ (LTE-A)

SIM CARD INFO

SIM 1 Ready

BYTES RECEIVED / SENT

42.6 MB / 2.5 MB

antennas or changing the location of your device. You can find information on signal strength recommendations here.

SIM card recommendations

- Before installing the SIM cards, please apply a thin layer of dielectric grease to the SIM card contacts for devices used in environments with **high-vibration levels**. This will help avoid SIM cards losing touch with the SIM slot and prevent unexpected failures.
- Industrial Grade SIM cards are recommended for devices requiring a long lifespan used in environments with **extreme temperatures, corrosive or extra humid climates**, or hard-to-reach locations.

General

Radio specifications	
RF technologies	Mobile (3G, 4G /5G), Wi-Fi 802.11a/b/g/n/ac/ax/be
Max RF power	25 dBm@3G, 25dBm (28 dBm in HPUE bands) @4G/5G
	18 dBm@Wi-Fi 2.4G
	19.50 dBm@Wi-Fi 5G (5150MHz - 5250MHz)
	19.50 dBm@Wi-Fi 5G (5250MHz - 5350MHz)
	26.00 dBm@Wi-Fi 5G (5470MHz - 5850MHz)
Bundled accessories specifications*	
Power adapter	Input: 0.8A@100-240 VAC, Output: 12 VDC, 2A
Mobile antenna	6x Internal antennas: 617 ~ 960 MHz, Gain 0.5~0.8dBi 1400 ~ 2690 MHz, Gain 1.5dBi 3300 ~ 5900 MHz, Gain 2~3dBi
WiFi antenna	2x Internal antennas: 2400 ~ 2500 MHz, Gain 1.8dBi 4950 ~ 5850 MHz, Gain 2dBi

* Order code dependant.

Device security and maintenance

To protect your ALTOS device against unauthorized access and ensure reliable operation, follow these essential security and maintenance practices.

- **Review the security guidelines** - Before using the device, review the [ALTOS Device Security manual](#) and identify the security settings applicable to your network and use case.
- **Change the default password** - After powering on the device, log in to the WebUI and immediately set a strong, unique administrator password.
- **Keep firmware up to date** - Update RutOS to the latest stable firmware version to receive the latest security patches, bug fixes, and improvements. See the [Firmware Downloads](#) page for the latest version.
- **Configure device security** - Apply the recommended security settings according to the [Device Security guidelines](#), your network infrastructure, and the intended use of the device.
- **Maintain proper operating conditions** - Install the device in a secure, well-ventilated location and protect it from excessive dust, moisture, extreme temperatures, and unstable power.

For additional device maintenance recommendations, please refer to the [Product Maintenance Policy](#).

Compliance

ALTOS router must be used in compliance with any and all applicable national and international laws and with any special restrictions regulating the utilization of the communication module in prescribed applications and environments.

CE Declaration of Conformity

[BG] Bulgarian	С настоящото TELTONIKA NETWORKS декларира, че този ALTOS е в съответствие със съществените изисквания и други разпоредби на Директиви 2014/53/EU, 2011/65/EU, 2009/125/EC.
[HR] Croatian	Ovim TELTONIKA NETWORKS izjavljuje da je ovaj ALTOS u skladu s bitnim zahtjevima i ostalim relevantnim odredbama Direktive 2014/53/EU, 2011/65/EU, 2009/125/EC.
[CZ] Czech	Společnost TELTONIKA NETWORKS tímto prohlašuje, že tento ALTOS splňuje základní požadavky a další ustanovení směrnic 2014/53/EU, 2011/65/EU, 2009/125/EC.
[DK] Danish	TELTONIKA NETWORKS erklærer hermed, at denne ALTOS er i overensstemmelse med de væsentlige krav og andre bestemmelser i direktiv 2014/53/EU, 2011/65/EU, 2009/125/EC.
[NL] Dutch	Hereby, TELTONIKA NETWORKS declares that this ALTOS is in compliance with the essential requirements and other relevant provisions of Richtlijnen 2014/53/EU, 2011/65/EU, 2009/125/EC.
[EE] Estonian	Käesolevaga kinnitab TELTONIKA NETWORKS seadme ALTOS vastavust Direktiivide 2014/53/EU, 2011/65/EU, 2009/125/EC põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
[FI] Finish	TELTONIKA NETWORKS vakuuttaa täten että ALTOS tyyppinen laite on Direktiivien 2014/53/EU, 2011/65/EU, 2009/125/EC oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
[FR] French	TELTONIKA NETWORKS déclare par la présente que ce ALTOS est conforme aux exigences essentielles et autres dispositions des Directives 2014/53/EU, 2011/65/EU, 2009/125/EC.
[DE] German	TELTONIKA NETWORKS erklärt hiermit, dass dieses ALTOS den grundlegenden Anforderungen und anderen Bestimmungen der Richtlinien 2014/53/EU, 2011/65/EU, 2009/125/EC entspricht.
[GR] Greek	Η TELTONIKA NETWORKS δηλώνει ότι το παρόν ALTOS συμμορφώνεται με τις βασικές απαιτήσεις και άλλες διατάξεις των Οδηγιών 2014/53/EU, 2011/65/EU, 2009/125/EC.
[HU] Hungarian	A TELTONIKA NETWORKS kijelenti, hogy ez a ALTOS megfelel a 2014/53/EU, 2011/65/EU, 2009/125/EC irányelvek alapvető követelményeinek és egyéb rendelkezéseinek.
[IE] Irish	Leis seo, dearbhaíonn TELTONIKA NETWORKS go gcomhlíonnann an ALTOS seo bunriachtanais agus forálacha ábhartha eile Threoir 2014/53/EU, 2011/65/EU, 2009/125/EC.
[IT] Italian	Con la presente, TELTONIKA NETWORKS dichiara che questo ALTOS è conforme ai requisiti essenziali e ad altre disposizioni pertinenti della Direttive 2014/53/EU, 2011/65/EU, 2009/125/EC.
[LV] Latvian	TELTONIKA NETWORKS ar šo paziņo, ka šis ALTOS atbilst pamatprasībām un citiem Direktīvas 2014/53/EU, 2011/65/EU, 2009/125/EC noteikumiem.
[LT] Lithuanian	Šiuo dokumentu UAB TELTONIKA NETWORKS deklaruoja, kad šis ALTOS atitinka esminius reikalavimus ir kitas 2014/53/EU, 2011/65/EU, 2009/125/EC Direktyvų nuostatas.
[MT] Maltese	TELTONIKA NETWORKS b'dan tidlikjara li dan ALTOS jikkonforma mar-rekwiżiti essenzjali u dispożizzjonijiet oħra tad-Direttivi 2014/53/EU, 2011/65/EU, 2009/125/EC.
[NO] Norwegian	TELTONIKA NETWORKS erklærer herved at denne ALTOS er i samsvar med de grunnleggende kravene og andre bestemmelser i Direktivene 2014/53/EU, 2011/65/EU, 2009/125/EC.
[PL] Polish	TELTONIKA NETWORKS niniejszym oświadcza, że niniejszy ALTOS jest zgodny z zasadniczymi wymaganiami i innymi postanowieniami Dyrektyw 2014/53/EU, 2011/65/EU, 2009/125/EC.
[PT] Portuguese	A TELTONIKA NETWORKS declara que esta ALTOS cumpre os requisitos essenciais e outras disposições das Directivas 2014/53/EU, 2011/65/EU, 2009/125/EC.
[RO] Romanian	TELTONIKA NETWORKS declară prin prezenta că acest ALTOS este în conformitate cu cerințele esențiale și cu alte dispoziții ale Directivelor 2014/53/EU, 2011/65/EU, 2009/125/EC.
[SK] Slovak	Spoločnosť TELTONIKA NETWORKS týmto vyhlasuje, že tento ALTOS spĺňa základné požiadavky a ďalšie ustanovenia smerníc 2014/53/EU, 2011/65/EU, 2009/125/EC.
[SI] Slovenian	TELTONIKA NETWORKS izjavlja, da je ta ALTOS skladen z bistvenimi zahtevami in drugimi določbami Direktiv 2014/53/EU, 2011/65/EU, 2009/125/EC.
[ES] Spanish	TELTONIKA NETWORKS declara por la presente que este ALTOS cumple los requisitos esenciales y otras disposiciones de las Directivas 2014/53/EU, 2011/65/EU, 2009/125/EC.
[SE] Swedish	TELTONIKA NETWORKS förklarar härmed att denna ALTOS uppfyller de grundläggande kraven och andra bestämmelser i Direktiven 2014/53/EU och 2011/65/EU, 2009/125/EC.

Markings

Detailed compliance information is available at the following internet address: wiki.teltonika-networks.com/view/Certificates (<https://wiki.teltonika-networks.com/view/Certificates>).



This sign means that it is necessary to read the User's Manual before you start using the device.



This sign on the package means that all used electronic and electric equipment should not be mixed with general household waste.



Hereby, TELTONIKA NETWORKS declares that this ALTOS is in compliance with the essential requirements and other relevant provisions of Directives 2014/53/EU, 2011/65/EU, 2009/125/EC. The full text of the EU Declaration of Conformity is available at the following internet address: <https://wiki.teltonika-networks.com/view/ALTOS>.

Hereby, TELTONIKA NETWORKS declares that this ALTOS is in compliance with Radio Equipment Regulations 2017, The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, The Ecodesign for Energy-Related Products and Energy Information (Amendment) (EU Exit) Regulations 2019. The full text of the UK Declaration of Conformity is available at the following internet address: <https://wiki.teltonika-networks.com/view/ALTOS>.

RF exposure

This device meets the official requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by authorized agencies. The device must be used with a minimum separation of 20 cm from a person's body to ensure compliance with RF exposure guidelines. Failure to observe these instructions could result in your RF exposure exceeding the applicable limits.

External antennas used with ALTOS must be installed to provide a distance of at least 20 cm from any people and must not be co-located or operated in conjunction with any other antenna or transmitter.

Any external antenna gain must meet RF exposure and maximum radiated output power limits of the applicable rule section.

Operating Frequency / Maximum transmission power		
WCDMA	B1	1920-1980, 2110-2170 MHz, 25 dBm
	B5 ¹	824-849, 869-894 MHz, 25 dBm
	B8	880-915, 925-960 MHz, 25 dBm
LTE-FDD	B1	1920-1980, 2110-2170 MHz, 25 dBm
	B3	1710-1785, 1805-1880 MHz, 25 dBm
	B5 ¹	824-849, 869-894 MHz, 25 dBm
	B7	2500-2570, 2620-2690 MHz, 25 dBm
	B8	880-915, 925-960 MHz, 25 dBm
	B20	832-862, 791-821 MHz, 25 dBm
	B28	703-748, 758-803 MHz, 25 dBm
LTE-TDD	B38	2570-2620 MHz, 25 dBm
	B40	2300-2400 MHz, 25 dBm
	B41 ¹	2496-2690 MHz, 28 dBm
	B42	3400-3600 MHz, 25 dBm
	B43	3600-3800 MHz, 25 dBm
5G NR (SA, NSA)	n1	1920-1680, 2110-2170 MHz, 25 dBm
	n3	1710-1785, 1805-1880 MHz, 25 dBm
	n5 ¹	824-849, 869-894 MHz, 25 dBm
	n7	2500-2570, 2620-2690 MHz, 25 dBm
	n8	880-915, 925-960 MHz, 25 dBm
	n20	832-862, 791-821 MHz, 25 dBm
	n28	703-748, 758-803 MHz, 25 dBm
	n38	2570-2620 MHz, 28 dBm
	n40	2300-2400 MHz, 25 dBm
	n41	2496-2690 MHz, 28 dBm
	n77	3300-4200 MHz, 28 dBm
	n78	3300-3800 MHz, 28 dBm
Wi-Fi 2.4 GHz	2412-2472 MHz, 18 dBm	
Wi-Fi 5 GHz	UNII-1 Band 1	5150-5250 MHz, 19.5 dBm
	UNII-2A Band 2	5250-5350 MHz, 19.5 dBm
	UNII-3 Band 3	5470-5725 MHz, 26 dBm

¹ – Not supported in Europe and Oceania regions.



In all EU member states, operation of 5150-5350 MHz is restricted to indoor use only.

Product Safety and Use

Operating conditions

- Operating temperature: 0° to +45° Celsius
- Humidity should be in the range of 10% to 90% (non-condensing). Only use the device in dry environments.
- Out of direct sunlight
- Away from heat source, corrosive substances, salts, and flammable gases

Attention: operation outside the permissible range can considerably shorten the service life of the device.

Faulty and damaged products

- Do not attempt to disassemble the device or its accessories.
- Only qualified personnel must service or repair the device or its accessories.
- If your device or its accessories have been submerged in water punctured or subjected to a severe fall, do not use until they have been checked at an authorized service center.

Electrical safety

- Only use approved accessories.
- Do not connect with incompatible products or accessories.

- It is recommended to ground devices with grounding terminals before connecting them to power. Failure to ground appropriately might result in a shock hazard. The cross-sectional area of the protective grounding conductor should be at least 1mm².

Product handling

- You alone are responsible for how you use your device and any consequences related to its use.
- Use of your device is subject to safety measures designed to protect users and their environment.
- Always treat your device and its accessories with care and keep it in a clean and dust-free place.
- Do not expose your device or its accessories to open flames or lit tobacco products, liquid, moisture, or high humidity.
- Do not drop, throw or try to bend your device or its accessories.
- Do not use harsh chemicals, cleaning solvents, or aerosols to clean the device or its accessories.
- Do not paint your device or its accessories.
- Do not attempt to disassemble your device (exemptions for devices that require disassembly for SIM insertion) or its accessories: it does not contain any user-serviceable parts. For safety reasons, the equipment should be opened only by qualified personnel.
- Make sure to use ESD personal protective equipment while the equipment is serviced.
- Do not use your device in an enclosed environment where heat dissipation is poor.
- Prolonged use in such space may cause excessive heat and raise ambient temperature, which will lead to the automatic shutdown of your device or the disconnection of the mobile network connection for your safety. To use your device again after such a shutdown, cool it in a well-ventilated place before turning it on.
- Please check all national laws and local regulations for the disposal of electronic products.
- Do not operate the device where ventilation is restricted.
- Do not use or install this product near water to avoid fire or shock hazards.
- Avoid exposing the equipment to rain or damp areas.
- Arrange power and Ethernet cables so that they are not likely to be stepped on or have items placed on them.
- Ensure that the voltage and the rated current of the power source match the device's requirements. Do not connect the device to an inappropriate power source.
- During a thunderstorm, no operations should be carried out on the device and cables.
- The unit must be powered off where blasting is in progress and explosive atmospheres are present or near medical life support equipment.
- Do not leave your device and its accessories within reach of small children or allow them to play with it. They could hurt themselves or others and could accidentally damage the device. Your device contains small parts with sharp edges that may cause an injury choking hazard.
- Like any wireless device, this device operates using radio signals, which cannot guarantee connection in all conditions. Therefore, you must never rely solely on any wireless device for emergency communications or otherwise use the device in situations where the interruption of data connectivity could lead to death, personal injury, property damage, data, or other loss.
- The device may become warm during regular use.

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