



**110 SERIES SINGLE-WAN GIGABIT VPN ROUTERS**  
Quick Start Guide

AN-110-RT-2L1W  
AN-110-RT-2L1W-WIFI





# Federal Communication Commission Interference Statement

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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's 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.

This device is designed for indoor use only.

## **IMPORTANT NOTE:**

### **FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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In the North American market, only channels 1-11 can be operated. Other channels cannot be selected.

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# Industry Canada Statement

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## **Caution:**

- (i) The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) For product available in the USA/Canada market, only channel 1-11 can be operated. Selection of other channels is not possible.

## **Avertissement:**

- (i) Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
- (ii) Pour les produits disponibles aux États-Unis / Canada du marché, seul le canal 1 à 11 peuvent être exploités. Sélection d'autres canaux n'est pas possible.



# Industry Canada Statement, Continued

## **Radiation Exposure Statement:**

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 63cm between the radiator & your body.

## **Déclaration d'exposition aux radiations:**

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 63 cm de distance entre la source de rayonnement et votre corps.

# FCC Warning

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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.



## CE Warning

This is a product with CE certification. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

The device complies with ISED's license-exempt RSSs and Canada ICES-003.

## CE Statement

This equipment complies with EU radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

All operational modes:

2.4GHz: 802.11b, 802.11g, 802.11n (HT20), 802.11n (HT40), 802.11ac (VHT20), 802.11ac (VHT40)

5GHz: 802.11a, 802.11n (HT20), 802.11n (HT40), 802.11ac (VHT20), 802.11ac (VHT40), 802.11ac (VHT80)

The frequency and the maximum transmitted power in EU are listed below:

2412-2472MHz: 19.90 dBm

5180-5240MHz: 22.90 dBm

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range..



AT	BE	BG	HR	CY	CZ	DK
EE	FI	FR	DE	EL	HU	IE
IT	LV	LT	LU	MT	NL	PL
PT	RO	SK	SI	ES	SE	UK



# Welcome to Araknis Networks™

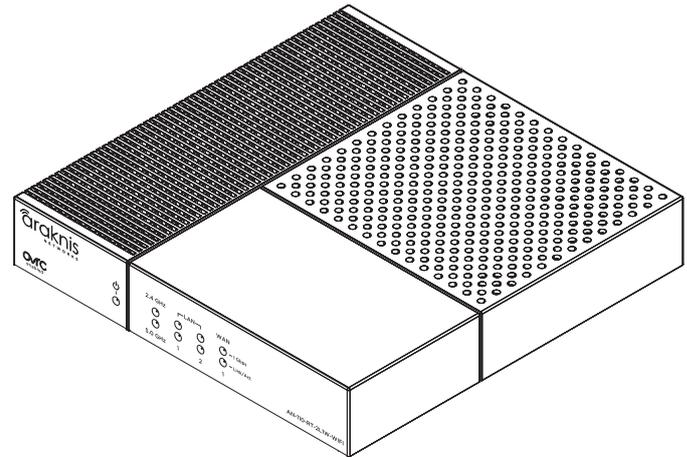
Thank you for choosing our new line of Araknis 110 routers. With gigabit connectivity on all ports, single WAN and USB 2.0 capabilities, advanced networking functionality (QoS, VLANs, VPN, port forwarding), these are entry-level business-grade routers intended for smaller installs.

## Features

- Compact Design
- Single-WAN, Dual-LAN
- Fanless
- USB 2.0
- OvrC-enabled for remote management
- Built-in OvrC Pro
- 2x2 Dual-Band Wave 2-AC 1200Mbps (Wi-Fi model only)

## Note About this Guide

This guide uses the Wi-Fi router for all illustrations. Although the non-wireless router looks a little different, all instructions given here are nonetheless applicable to its operation.

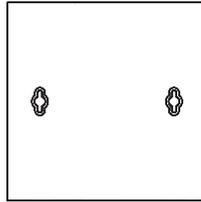




# Step 1: Unbox



Router



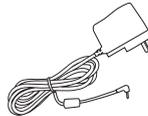
Drill Template



Quick Start Guide



Rubber Feet (4)



12V 2A DC Power Supply



Wall Mount Kit

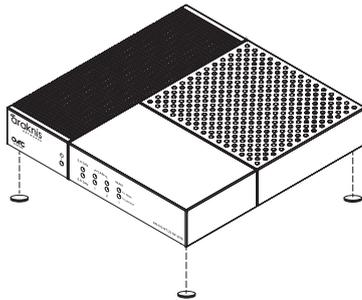
Rubber feet, power supply, and wall mount kit are supplied in the accessory box.



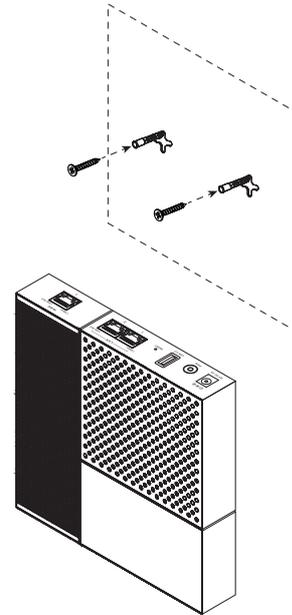
## Step 2: Install

110 compact routers feature two mounting options.

NOTE: Do not stack other equipment on top of the router to avoid possible interference or damage.



Surface Mount  
(use included rubber feet)

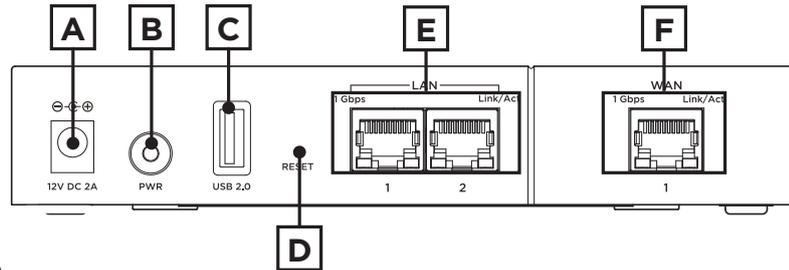


Wall Mount



## Step 3: Connect

The router uses the enclosed power supply. Power off all your network devices before connecting the router.



### Connection Procedure

Step 1. Connect the power supply to the router.

Step 2. Connect the modem to the WAN port(s).

Step 3. Connect the LAN cables.

Step 4. Connect any USB devices (optional).

Step 5. Connect the power supply to the router.

Step 6. Press the power button on the router.

A: Power supply input.

B: Power button.

C: USB port.

D: Reset button (simple reboot/factory reset).

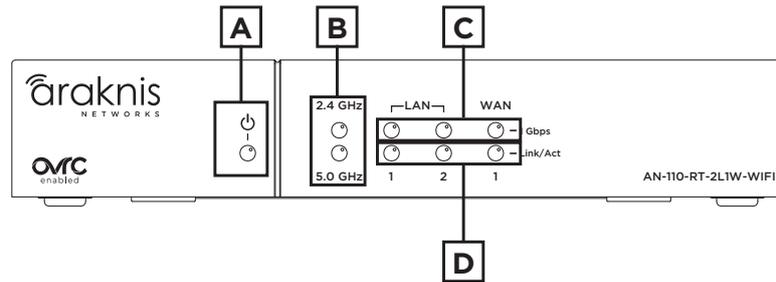
E: LAN ports.

F: WAN port.

**NOTE:** The router has a dual stage boot-up process: Upon first power-up the lights will flash once and **then go out for 30 seconds to 1 minute**. The lights will then flash for approximately 1 minute during the final stage of boot-up.



## Step 4: Verify Operation



(A) **Power LED** -

On: system is up.  
Off: system is down.

(B) **Radios** (Wi-Fi model only) -

Blinking: 2.4 GHz or 5 GHz (as labeled) is on.

(C) **1Gbps LED** -

On: port connected at 1Gbps speed.  
Off: port is connected at 10/100Mbps speed.

(D) **Link/Act LED** -

On: port is connected to another device.  
Blinking: packets are running through the port.  
Off: port is not connected to a device.



## Step 5: Log In to Web Interface

Make sure the Ethernet adapter on your computer is configured to DHCP mode or configure the adapter with a static IP address:

- **IP Address:** *192.168.1.x* (x=any number from 2 to 99)
- **Subnet Mask:** *255.255.255.0*

Open a web browser and enter <http://192.168.1.1> in the address bar.

Log in using the default credentials:

- **Username:** *araknis*
- **Password:** *araknis*

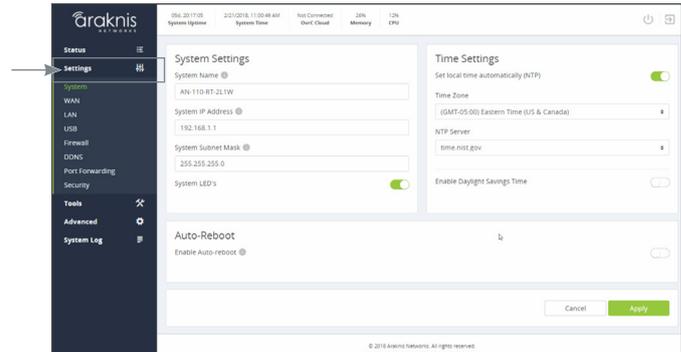
If you can't get to the login page, check to make sure your computer has been issued an IP address by the router. You can also claim the router in OvrC and use web connect.





## Step 6: What to Do Next

- (A) Click on **Settings** at the top of the menu bar.
- (B) In the **System** submenu, configure:
  - System name
  - System IP address
  - Time Zone & Daylight Saving Time
- (C) In the **WAN** submenu, configure:
  - WAN settings
- (D) In the **LAN** submenu, configure:
  - DHCP server settings
- (E) **IMPORTANT!** In the **Security** submenu:
  - Under **User Accounts**, change the admin password away from the default (and not to anything commonplace). This is essential for network security.



*Use the menus in the web interface to change additional settings.*

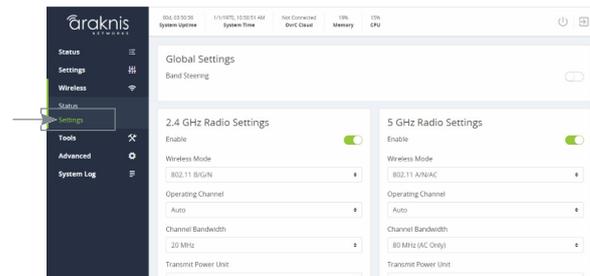


## Step 7: Wireless Settings (*Wi-Fi model only*)

At setup, the Wi-Fi network is named *araknis\_initial* by default. Note that this router supports Wi-Fi protected setup.

- (A) Click on **Wireless** in the menu bar.
- (B) Click on the **Settings** submenu.
- (C) In *Global Settings*, you can enable band steering.
- (D) In *Radio Settings*, configure your channel, mode, and power settings.
- (E) In *Wireless Networks*, click on a network to rename it, configure your SSID settings, set your security mode and password, and VLAN.

In the **Status** submenu, you can review all of these settings, as well as wirelessly connected client devices. You can even assign DHCP reservations from this screen.





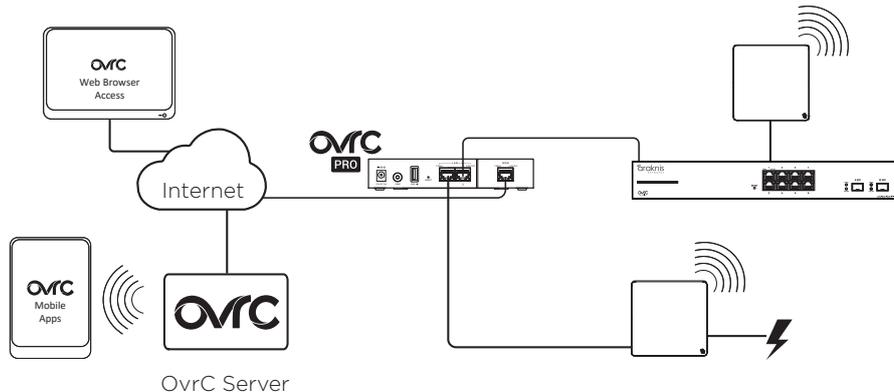
## Step 8: Claim on OvrC

This router is enabled for **OvrC**, a cloud-based remote-management and real-time monitoring platform. **OvrC Pro** is also included, which provides you deep visibility and access to all IP devices on the network, with no port forwarding or DDNS required.

**See [OvrC.com](http://OvrC.com) for more information.**

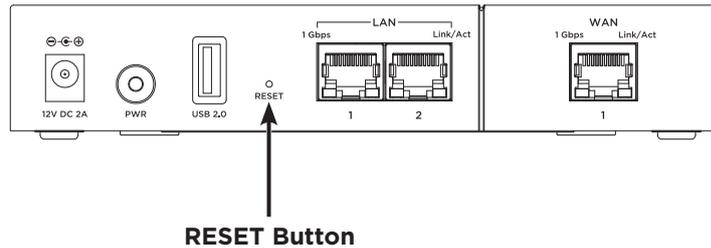
To add this device to your OvrC account:

- (A) Connect the router to the Internet.
- (B) Navigate to OvrC ([www.ovrc.com](http://www.ovrc.com)) and log in to your account.
- (C) Add the device (MAC address and Service Tag numbers needed for authentication).





## Pro Tip: Resetting the Router



- Simple Reboot:** Press the RESET button on the back of the router. The router reboots and the front status lights flash.
- Factory Default:** Press and hold the RESET button for 10-15 seconds until the status LEDs flash once. The router then resets to factory default settings and reboots.



## Contact Information

Ⓜ AraknisNetworks.com

Ⓟ Technical Support 866-838-5052

ⓧ techsupport@araknisnetworks.com

The latest version of this QSG may be found on the [product page support tab](#).

## 2-Year Limited Warranty

Araknis Networks® products have a 2-Year Limited Warranty. This warranty includes parts and labor repairs on all components found to be defective in material or workmanship under normal conditions of use. This warranty shall not apply to products that have been abused, modified, or disassembled. Products to be repaired under this warranty must be returned to a designated service center with prior notification and an assigned return authorization (RA) number. Contact technical support for an RA number.



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