

Package Content

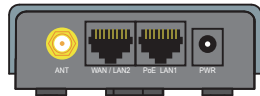
Thank you for choosing multifunction wireless router R36A.
Before installing, please check the following items in product package.

- 1 x R36A multi functional wireless router
- 1 x Omni RP-SMA antenna for R36A signal transmission
- 1 x 12V DC Power Adapter for R36A
- 1 x R36A Installation Guide (this file)

Device Overview - Interfaces



Front Panel

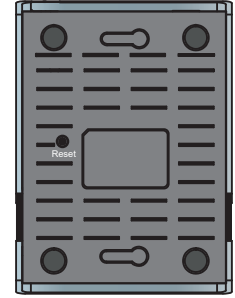


Rear Panel

Interface	Functional Descriptions
WAN / LAN2	In Broadband Router mode: This port is set as WAN to be connect with Ethernet port on the DSL/cable modem for PPPoE /Dynamic IP/Static IP/PPTP/L2TP IP address allocation In 3G/4G Router mode: This port is set as LAN to share Internet access via Ethernet connection to the desktop/laptop computer or network peripherals In WiFi Hotspot Extender Router mode: This port is set as LAN to share Internet access via Ethernet port on the desktop/laptop computer or network peripherals
PoE LAN1	This port is set as LAN to share Internet access via Ethernet connection to the desktop/laptop computer or network peripherals
USB	Plug in USB wireless adapter to connect to remote WiFi hotspot as Internet source Plug in 3G/4G USB modem as source of Internet access
ANT	ANT port is used to connect to 2.4G antenna with SMA connector.
PWR	This port is used to connect to the power adapter. Please use the power adapter in package for device proper operation.

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Device Overview - LED indicators & Buttons



LED indicator	Descriptions
PWR (Blue)	On - Power on. Off - No power.
SYS (Blue)	On - Error condition. Off - Normal operation. Blinking - This LED blinks during start up.
LAN (Blue)	On - LAN port is connected. Off - No connection on the LAN port. Flashing - LAN port activities
WAN / USB (Blue)	On - USB modem or wireless adapter connection to R36A USB port is established. Off - No connection to the R36A USB port
WAN / LAN2 (Blue)	On - Connection to the modem attached to LAN2 port is established. Off - No connection to WAN (Internet) port Flashing - Data is being transmitted or received via the WAN port.
Wireless (Blue)	On - R36A wireless service is running Off - R36A wireless service is disabled (no wireless)
Buttons	Descriptions
Wireless	Toggle once when LED is ON - Turn OFF device wireless service Toggle once when LED is OFF - Turn ON device wireless services
RESET (located in the bottom of device)	Press RESET button, less than 5 seconds, then release - reboot device with running configuration parameters Press RESET button, more than 5 seconds, 5 seconds - reboot device with factory default parameters

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Preparation Before Installation

Before setting up R36A, please check with your service provider to obtain an instruction sheet for Internet Access.

Info you will need from ISP (Internet Service Provider) company for Internet access:

xDSL PPPoE, PPTP, L2TP

An instruction sheet for Internet access from ISP (Internet Service Provider) company
A subscribed xDSL/cable modem (with RJ-45 LAN interface) from carrier company

3G/4G Internet access service

SIM card
3G/4G USB Modem
An instruction sheet for Internet access from carrier company

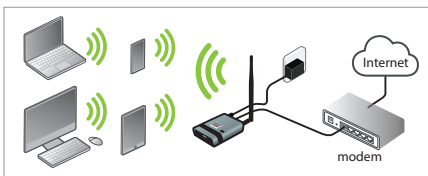
Wireless hotspot Internet access service

An instruction sheet with hotspot connection parameters:
SSID, username/password, ...etc. if any) for Internet Access from carrier company

R36A supports popular Internet access types:

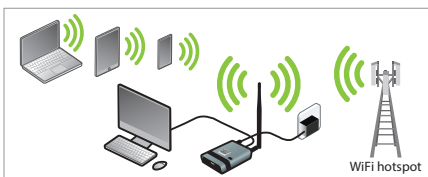
Ethernet router

Subscribe xDSL PPPoE, fixed IP, dynamic IP, PPTP, L2TP
Internet access from ISP (Internet Service Provider), and share Internet with local computers, smartphones or other network peripherals.



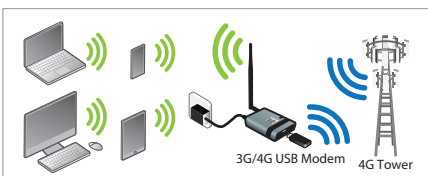
Wireless hotspot extender

Obtain Internet access from a wireless internet service provider (WISP) wirelessly, and share Internet with local computers, smartphones or other network peripherals.



USB 3G/4G Router

Connect 3G/4G USB modem to R36A, and share Internet with local computers, smartphones or other network peripherals.

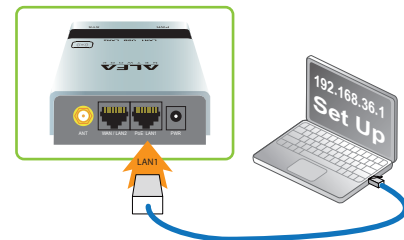


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How to Start R36A Device Configurations

Via wired connection

Connect computer to R36A LAN1 port via Ethernet RJ-45 cable.
Open your web browser, and type-in "r36a.myalfasetup.com" or "192.168.36.1" in the address bar.



NOTE


Before proceeding any further, please make sure the LAN1 LED is "ON".

Via wireless connection

On your laptop, tablet computer or smartphone, enable WiFi service on your device, and search WiFi name "**R36A-xxxxxx**", then associate with it.
Open your web browser, and type-in "r36a.myalfasetup.com" or "192.168.36.1" in the address bar.



NOTE

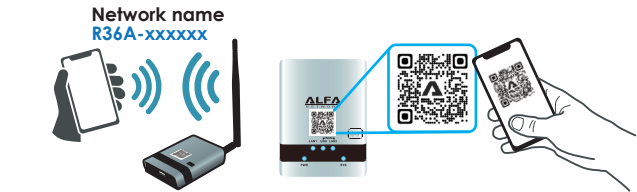
Before proceeding any further, please make sure the wireless LED  is "ON".

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How to Start R36A Device Configurations

Via QR code connection

On smartphone/tablet, find WiFi name “R36A-xxxxxx”, and associate with it. Run QR code reader app, and read the QR code sticker on R36A.



In QR code app, select “Open URL”, and device portal page will be shown.

NOTE iOS 11 or later: please use built-in, native camera app to read QR code. If there is no QR code scanner/reader in your smart phone, please search free “QR reader” on the Apple App Store or Android Play Store, and install it to read the QR code sticker on device.

R36A default parameters :
Default Device Access : r36a.myalfasetup.com or 192.168.36.1
Default User Name : admin ; default Password : defined by user
Default SSID : r36a-xxxxxx
Default Wireless Encryption : None

If password lost or forgotten, while device is ON, press RESET button in the bottom for 10 seconds then release. Wait for one minute, device will reboot with default settings and please repeat the log-in process to setup new password.

Start R36A Device Configurations

When device portal page is connected, to ensure security of device access, please setup device management password, and click “ Submit ”.

Login admin
Password password
Repeat password repeat password again

NOTE Please setup password when using device for the very first time. Device login password here is not the password for WiFi access, please setup the WiFi password in wireless setting menu.

Wireless Hotspot Extender Router Mode

Before proceeding any further, please connect an ALFA USB wireless adapter, and make sure the USB LED on R36A is “ON”. After selecting wireless hotspot extender mode, device wizard will scan hotspot signal automatically. List of scanned hotspot stations will be displayed on the screen. Find and select the target wireless hotspot, and input the hotspot password (if any). Click FINISH to establish internet connection.

Hotspot Name WPA-PSK/WPA2-PSK Mixed Mode
Encryption WPA-PSK/WPA2-PSK Mixed Mode
Hotspot Password

3G/4G Router Mode

Before proceeding any further, please connect an ALFA 3G/4G USB modem, and make sure the USB LED on R36A is “ON”.

APN internet
Enable PIN Code ON
Enable Authentication ON
Dial number 199***18

R36A device with LAN1, LAN2, USB, and PWR/SYS LEDs.

Please refer to the instruction sheet from ISP, input connection parameters (APN, username, password ...etc. if any), to establish the Internet connection.

NOTE In 3G/4G router, and WiFi extender router mode, please install compatible USB peripherals. Incompatible USB device will not be detected by R36A, and following warning message will appear. Please contact authorized ALFA Network dealer to obtain product information of compatible device.

USB Wireless device not found

Please plug-in ALFA Network USB GSM/LTE adapter in the USB port
This page will be refreshed automatically

Operation Mode Selection

With built-in web-based configurator, it is easy to setup and manage R36A. R36A web configurator works with Windows, Macintosh or UNIX OS computer with a Web browser, such as Google Chrome, Microsoft Internet Explorer, Mozilla Firefox or Apple Safari. When logging-in for the first time, please refer to the instruction sheet from ISP , and select appropriate device operation mode.

Ethernet Router Mode
USB Wireless Extender Mode
USB 3G/4G Router Mode

- Ethernet router
Subscribe a xDSL modem from ISP, connect modem to R36A via Ethernet cable, this mode is mostly used in xDSL PPPoE, fixed IP,dynamic IP, PPTP, L2TP Internet access
- Wireless hotspot extender
Install an ALFA USB wireless adapter to extend remote WiFi hotspot Internet access
- USB 3G/4G Router
Subscribe a 3G/4G USB modem from carrier company, install it with R36A for mobile Internet access

Ethernet Router Mode

Being an Ethernet router, R36A supports xDSL PPPoE, fixed IP,dynamic IP, PPTP, L2TP Internet access. Be sure to connect modem LAN port to WAN port on R36A, and the WAN LED should be ON. before setting up R36A.

Protocol DHCP client
Static address
Hostname DHCP client
L2TP
PPPoE
PPTP

Please refer to the instruction sheet from ISP, select appropriate connection type, input the connection parameters (IP address, dialup username/password, server info ...etc.) to establish the Internet connection, and apply the settings to establish Internet access.

Local Wireless Network Configurations

R36A is able to share the Internet access wirelessly with local computers, smartphones, and other network peripherals. To establish a secure local wireless network, please input a “Network Name” (wireless SSID) and network password for wireless security.

Network Name R36A-
Network Password
password must be at least 8 characters long

R36A Connection Status

Once the device setup is completed, device will activate the parameters and the results will be shown in the status screen.

Internet Status
Connection status Not connected
SSID
R36A Status
Mode Access Point
SSID R36A-
Channel 11 (2.462 GHz)
Bitrate 0 MB/s
ESSID 00:03:CA:00:00:00
Encryption WPA2 PSK (CCMP)
Linked Devices Status
System
Hostname R36A
Model ALFA Network R36A
Firmware Version R36A-1.0.0.0
Local Time Wed Oct 18 20:16:55 2017
Uptime 1d 2h 30m 35s
Memory Available

NOTE Clicking on the “ Status ” on left control panel will refresh machine run-time status.

Notice

This guide introduces instructions and tips for device first-time installation. This guide is not intended to be a substitute for the user's manual. For more product information, please visit ALFA website for latest product news, and updates.