

WNA

Version 2.00 EN

Wireless Router



Setup Guide

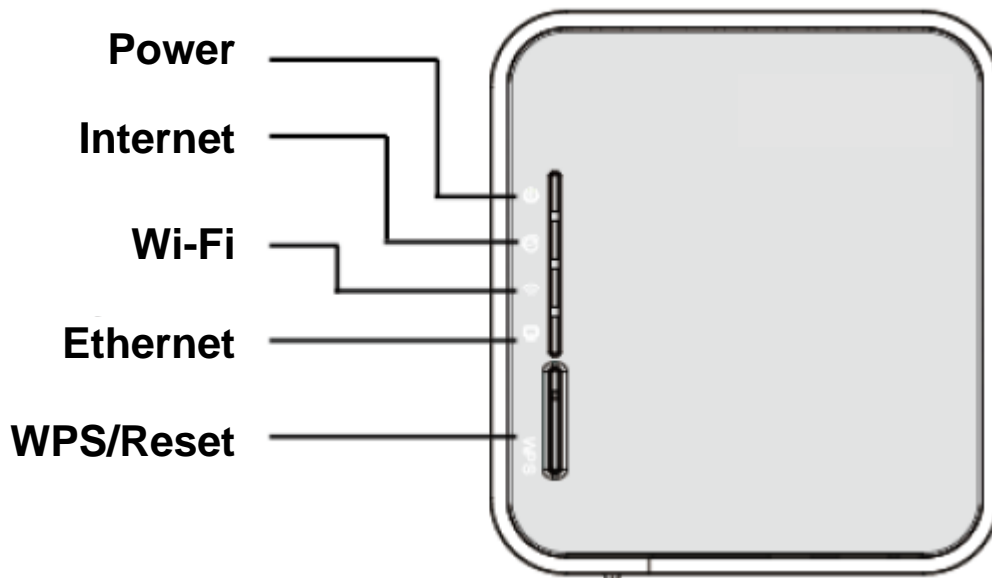
en

Package Contents

The following parts are shipped:

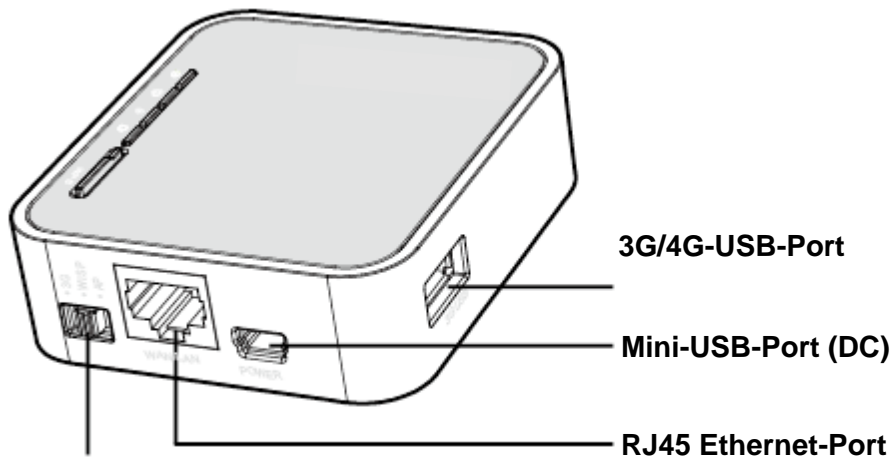
- Wireless Router WNA (TL-MR3020)
- Power cord and adapter
- USB-Cord (Y-Port)
- Ethernet-LAN-Cord
- Quick Installation Guide (English, German, Spanish, Greek, French, Italian, Portuguese, Finnish, Dutch, Swedish, Norwegian, Danish)

Indicators, Buttons, Ports



LED	Status	Meaning
Power ⏻	On	The router is receiving power.
	Off	The router is not receiving power.
Internet 🌐	On	The router is connected to the internet via 3G/4G, but no data is being transmitted.
	Flashing	The router is connected to the internet via 3G/4G and data is being transmitted.
	Off	The router is not connected to the internet via 3G/4G
Wi-Fi 📶	On	The Wi-Fi-port is in use.
	Flashing	The Wi-Fi-port is in use and data is being transmitted.
	Off	The Wi-Fi-port is not in use.
Ethernet 🖥️	On	The ethernet port is connected.
	Flashing	The ethernet port is transmitting data.
	Off	The ethernet port is not in use.

WPS/Reset: Hold this button down for at least ten seconds to trigger a reset of the router. Hold the button down for less than 5 seconds to activate the WPS-function.



Mode Switch

- 3G/4G-USB-Port: Port for 3G/4G sticks.
- Mini-USB-Port: For power supply
- RJ45 Ethernet-Port: For ethernet connection via LAN.
- Mode Switch: To choose the mode of operation. Changing the mode while the device is in use will trigger a restart.

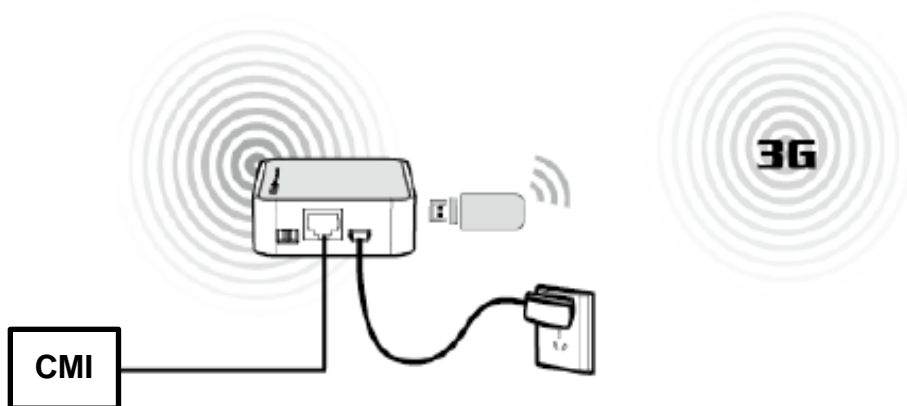
A sticker on the side of the router contains data of the router: MAC-Address, Key, SSID and the default settings of IP-Address, username and password.

This setup guide only covers the two modes of operation relevant for usage with the C.M.I.

3G/4G Router mode

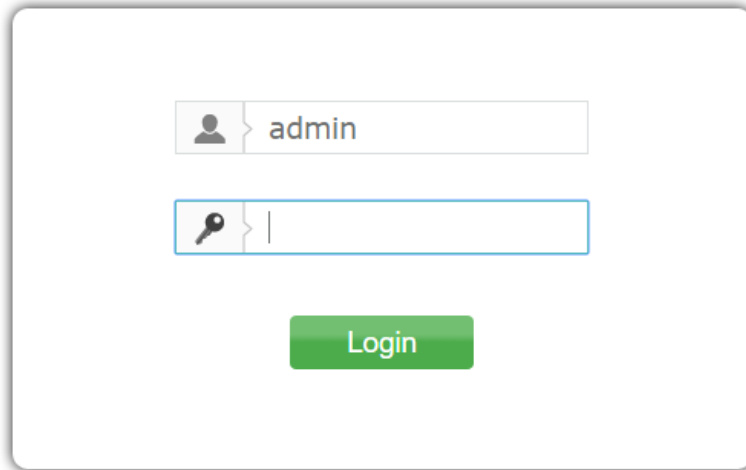
This mode allows the router the connection of a 3G/4G modem/stick, broadcasting its mobile network connection under its own Wi-Fi-SSID.

Depending on your Mobile Internet Service Provider, costs for usage may incur!



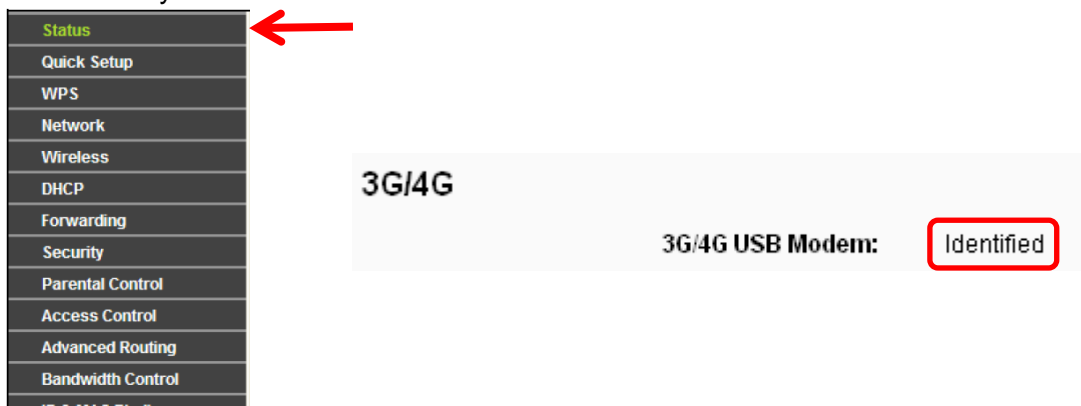
Router configuration 3G/4G

1. Open a web browser and enter the address **192.168.0.254** into the address bar and hit enter.
2. The login window below will appear. Enter **admin** as **both username and password**. Click Login or hit enter.



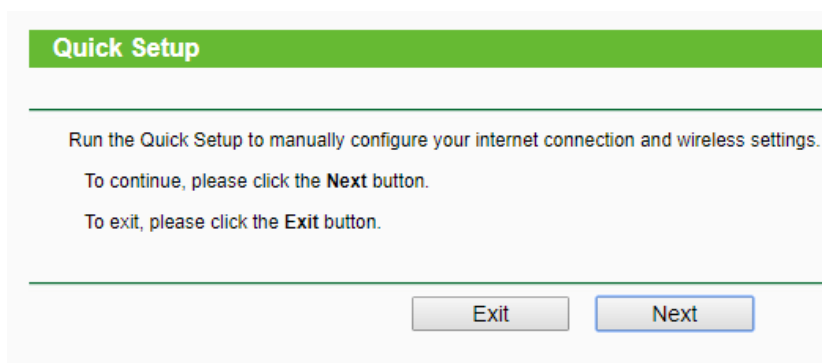
The image shows a login window with two input fields. The first field contains the text 'admin' and has a user icon to its left. The second field is empty and has a key icon to its left. Below the fields is a green button labeled 'Login'.

3. Before continuing the configuration, please check the status of the device by clicking **status** to ensure that your 3G/4G modem can be identified.



The image shows a vertical menu on the left with the following items: Status, Quick Setup, WPS, Network, Wireless, DHCP, Forwarding, Security, Parental Control, Access Control, Advanced Routing, Bandwidth Control, and IP & MAC Binding. A red arrow points to the 'Status' item. To the right, there is a section titled '3G/4G' with the text '3G/4G USB Modem: Identified'. The word 'Identified' is enclosed in a red box.

4. Enter the menu **Quick Setup** and click **Next**.



The image shows a 'Quick Setup' screen with a green header. Below the header, there is a line of text: 'Run the Quick Setup to manually configure your internet connection and wireless settings.' followed by two lines of instructions: 'To continue, please click the Next button.' and 'To exit, please click the Exit button.' At the bottom, there are two buttons: 'Exit' and 'Next'.

5. The page **Internet Access** will appear. Choose the option **3G/4G Only (Recommended)** and click **Next**.

Quick Setup - Internet Access

The router provides some Internet access mode for you to choose:

- 3G/4G Only (Recommended)** - Only use 3G/4G as the access to the Internet. (RJ45 Ethernet Port as LAN)
- 3G/4G Preferred - Use 3G/4G as the primary access, WAN as a backup. (RJ45 Ethernet Port as WAN)
- WAN Preferred - Use WAN as the primary access, 3G/4G as a backup. (RJ45 Ethernet Port as WAN)
- WAN Only - Only use WAN as the access to the Internet. (RJ45 Ethernet Port as WAN)

Back Next

6. Enter your **access data** and click **Next**.

Quick Setup - 3G/4G

If your location or ISP is not listed, or the default Dial number / APN is not the latest one, or your ISP requires you to enter a new user name and password, please enable **Set the Dial Number, APN, Username and Password manually** and fill in the right ones.

Location: Austria

Mobile ISP: Mobilkom Austria AG (A1)

Default Dial Number: **99# APN: A1.net

Authentication Type: Auto PAP CHAP

Notice: The default is Auto, do not change unless necessary.

Set the Dial Number, APN, Username and Password manually

Dial Number: *99#

APN: A1.net

Username: ppp@A1plus.at (optional)

Password: ... (optional)

Back Next

If your provider is not listed, tick **Set the Dial Number, APN, Username and Password manually** to enter the data of your ISP (=Internet Service Provider) yourself.

7. The Wireless options are now being displayed.

Quick Setup - Wireless

The Internet settings have been completed, now please configure the wireless settings.

Wireless Radio:

Wireless Network Name: (Also called the SSID)

Region:

Warning: Ensure you select a correct country to conform local law. Incorrect settings may cause interference.

Wireless Security:

Disable Security

WPA-PSK/WPA2-PSK

Wireless Password:

(You can enter ASCII characters between 8 and 63 or Hexadecimal characters between 8 and 64.)

No Change
(use the current security settings.)

More Advanced Wireless Settings

Back Next

You can leave the data as it is or change your **Wireless Network Name** and/or your **Password**. Either way, click **Next** to proceed.

8. Click **Reboot** to accept the changes to the Wi-Fi configuration and finish your **Quick Setup**. (If no changes to the Wi-Fi configuration have been made, click **Finish** to close your setup.)

Quick Setup - Finish

Congratulations! The Device is now connecting you to the Internet. For detail settings, please click other menus if necessary.

Back Reboot

9. After the reboot, reconnect to the network.

10. Your C.M.I. can now be connected to the router. The C.M.I. will have to be restarted afterwards.

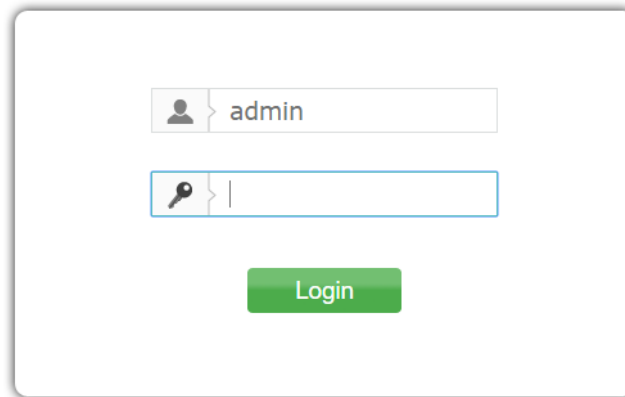
AP (Access Point) Router mode

Configured as **Client**, the router behaves like a Wi-Fi router to bring non-Wi-Fi ethernet-devices into a wireless network.



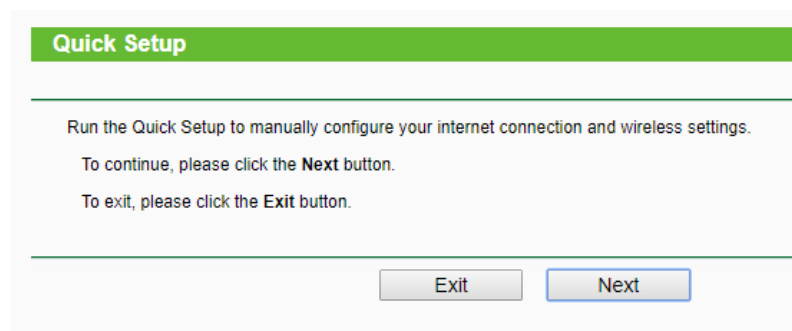
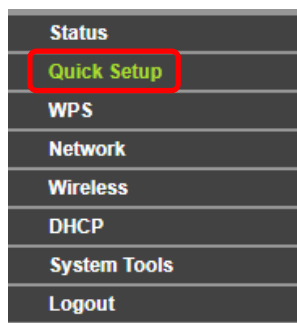
Router Configuration AP-Client

1. Open a web browser and enter the address **192.168.0.254** into the address bar, then hit enter.
2. Enter **admin** as **both username and password**. Click **Login** or hit enter.



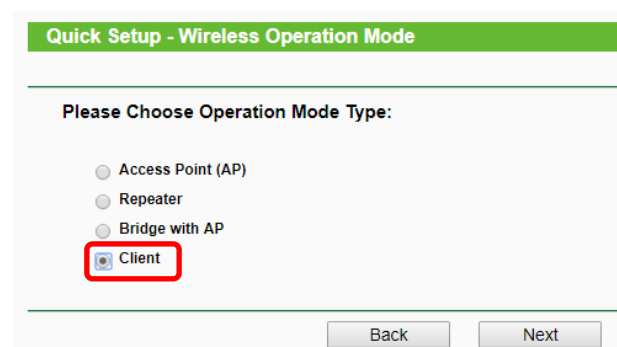
The image shows a login interface with two input fields. The first field contains the text 'admin' and has a user icon to its left. The second field is empty and has a key icon to its left. Below the fields is a green button labeled 'Login'.

3. Navigate to **Quick Setup** in the menu on the left and hit next in the window that follows.



The image shows the 'Quick Setup' screen. It has a green header with the text 'Quick Setup'. Below the header, there is a line of text: 'Run the Quick Setup to manually configure your internet connection and wireless settings.' This is followed by two lines of text: 'To continue, please click the Next button.' and 'To exit, please click the Exit button.' At the bottom right, there are two buttons: 'Exit' and 'Next'.

4. Choose the **Wireless Operation Mode Type "Client"** and click **Next**.



The image shows the 'Quick Setup - Wireless Operation Mode' screen. It has a green header with the text 'Quick Setup - Wireless Operation Mode'. Below the header, there is a section titled 'Please Choose Operation Mode Type:'. This section contains four radio button options: 'Access Point (AP)', 'Repeater', 'Bridge with AP', and 'Client'. The 'Client' option is selected and highlighted with a red rectangular box. At the bottom right, there are two buttons: 'Back' and 'Next'.

5. The window pictured below will appear. Enter the **Wireless Network Name (SSID)** and choose a **Security Mode**, then click next. Click **Survey** to scan for available networks, should you not know your network's name.

Quick Setup - Wireless

Client Mode Setting:

Wireless Network Name(SSID):

You can click the Survey button to scan the network SSIDs, and then choose the target one to setup the connection.

Security setting:

Security Mode:

If you choose None security mode, the wireless stations will be able to connect the AP without encryption. It is recommended strongly that you choose one of following options to enable security.

The **Security Mode** and its properties must be the exact same as the mode and properties of the existing Wi-Fi network. **None** means that the router will work without being secured by a password, allowing any device within reach to connect. Click **Next** once the required data has been entered.

6. Click **Reboot** to restart your router and accept your changes. After the reboot, change your computer's settings back to **Retrieve IP-Address automatically** and **Retrieve DNS-Server-address automatically** and connect to the network.

Quick Setup - Finish

Congratulations! The Device is now connecting you to the Internet. For detail settings, please click other menus if necessary.

The change of wireless config will not take effect until the Device reboot.

7. Your C.M.I. can now be connected to the router. The C.M.I. will have to be restarted afterwards.

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EU Declaration of conformity

Document- Nr. / Date: TA17058 / 02/02/2017
Company / Manufacturer: Technische Alternative RT GmbH
Address: A- 3872 Amaliendorf, Langestraße 124

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Product name: WNA
Product brand: Technische Alternative RT GmbH
Product description: Wireless Router

The object of the declaration described above is in conformity with Directives:

2014/53/EU, 1999/519/EC, 2011/65/EU

Employed standards:

ETSI EN 300 328 V1.7.1: 2006, ETSI EN 301 489-1 V1.8.1:2008& ETSI EN 301 489-17 V2.1.1:2009, EN 55022:2010, EN 55024:2010, EN 61000-3-2:2006+A1:2009+A2:2009, EN 61000-3-3:2008, EN60950-1:2006+A11 : 2009+A1:2010+A12:2011, EN 62311:2008, EN 301 893, EN 302 502

Position of CE - label: On packaging, manual and type label



Issuer: Technische Alternative RT GmbH
A- 3872 Amaliendorf, Langestraße 124

This declaration is submitted by

A handwritten signature in black ink, appearing to read 'Schneider Andreas'. The signature is written in a cursive style.

Dipl.-Ing. Andreas Schneider, General manager,
02/02/2017

This declaration certifies the agreement with the named standards, contains however no warranty of characteristics.

The security advices of included product documents are to be considered.

Guarantee conditions

Note: The following guarantee conditions do not in any way limit the legal right to a guarantee, rather expand your rights as a consumer.

1. The company Technische Alternative RT GmbH provides a two-year guarantee from the date of purchase by the end consumer for all the devices and parts which it sells. Defects must be reported immediately upon detection and within the guarantee period. Technical support knows the correct solution for nearly all problems. In this respect, contacting us immediately will help to avoid unnecessary expense or effort in troubleshooting.
2. The guarantee includes the free of charge repair (but not the cost of on-site fault-finding, removal, refitting and shipping) of operational and material defects which impair operation. In the event that a repair is not, for reasons of cost, worthwhile according to the assessment of Technische Alternative, the goods will be replaced.
3. Not included is damage resulting from the effects of overvoltage or abnormal ambient conditions. Likewise, no guarantee liability can be accepted if the device defect is due to: transport damage for which we are not responsible, incorrect installation and assembly, incorrect use, non-observance of operating and installation instructions or incorrect maintenance.
4. The guarantee claim will expire if repairs or actions are carried out by persons who are not authorised to do so or have not been so authorised by us or if our devices are operated with spare, supplementary or accessory parts which are not considered to be original parts.
5. The defective parts must be sent to our factory with an enclosed copy of the proof of purchase and a precise description of the defect. Processing is accelerated if an RMA number is applied for via our home page www.ta.co.at. A prior clarification of the defect with our technical support is necessary.
6. Services provided under guarantee result neither in an extension of the guarantee period nor in a resetting of the guarantee period. The guarantee period for fitted parts ends with the guarantee period of the whole device.
7. Extended or other claims, especially those for compensation for damage other than to the device itself are, insofar as a liability is not legally required, excluded.

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