

COMBO/50 Roam Combo

Installation & User Instructions

This manual provides information on how to control the Roam Combo Router using your devices internet browser. Most of these functions can be completed easier and faster using the Maxview Roam Combo App. See the Roam Combo App instruction manual for more

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Maxview reserve the right to change specifications without prior notice 9111457 Iss 1

Roam Combo Combo Powered by 🔀 TELTONIKA

We have partnered up with one of the largest suppliers of Wi-Fi products worldwide.

Introduction

Thank you for purchasing this product, should you have any difficulty using your Roam Combo please contact our friendly Customer Helpline on +44 (0)1553 811000 or email support@maxview.co.uk.

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Record your Purchase

Please fill in the details below once purchased. This information will be required in the unlikely event of a fault occurring with this system.

See page 16 to see where you can find this information.

SERIAL NUMBER	
SSID	
PASSWORD	

Product Contents

- A. Antenna Mounting Foot
- B. Combo Antenna^{*} with 2 x 0.8m cables with SMA connectors and 1 x 5m coaxial cable
- C. Roof Clamp
- D. 'F' Connector
- E. Fused Power Cable (For Signal Booster)
- F. Fixing Screws
- G. 1m F to Coaxial Flylead

*White or Grey Plastics

H. Signal Booster

- I. 1.5m Ethernet Cable
- J. 12V Vehicle Power Supply (for Router)
- K. Router Bracket
- L. 4G/5G Router
- M. SIM Adaptor Pack
- N. Internal Wi-Fi Antenna
- 0. Fixing Template



- Power Drill
- 2.5mm Drill Bit
- Pozidrive (No.2) Screwdriver
- Cross Head Screwdriver
- 25mm Hole Saw
- 4mm Allen Key
- Side Cutters
- Hack Saw
- File/Emery Paper
- Surface Cleaner
- Knife



Choosing a Service Provider



To use the Maxview Roam Combo, you will need a suitable data SIM card (sold separately). The Maxview Roam Combo is unlocked, so you can use any service provider. The best package will depend on many factors such as data usage, budget, location of travel and usage habits, however pre-paid data plans are usually more cost effective.

Accessories -Sold separately



Roam Combo Extension Cables

Extension cables can be purchased separately to allow a flexible mounting position to the router.

1 metre MXL050/EXT1 3 metres MXL050/EXT3 2 metres MXL050/EXT2



230V ac to 12V dc Power Supply Unit to power a Roam Combo. For indoor use only.

MXL050/PSUUK

Antenna Installation Instructions







Choose a location, ensure the antenna is positioned on a flat surface and is clear from obstructions. Use the included template and drill 5 x 2mm holes.

Use hole position (Y) as a pilot hole to drill a larger 25mm hole. Clean up hole, ensuring the location of the Mounting Foot is clean and clear from debris and dirt.



Position the Mounting Foot and press down firmly.



If your roof thickness is between 19-40mm, you can screw the Foot Clamp into the Mounting Foot underside to cover the hole inside the vehicle.

Note: The Clamping Tool can be cut down to suit your vehicle roof thickness.

Turn anti-clockwise until tight and secure Foot Clamp with the Foot Clamp Screw.





Apply sealant generously to the wet seal channel, ensuring the bead is consistent in size with no gaps.



OPTIONAL - For optimum secure mounting, use the 4 supplied Roof Fixing Screws, to secure the Mounting Foot to the vehicle roof.



Installing the Antenna Head Unit

Place the Antenna Head Unit onto the Mounting Foot. Tighten the 4 Foot Mounting Bolts by hand with an Allen Key.

We recommend the use of a Torque Wrench set to 3.5Nm.

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Signal Booster (For TV) Installation Instructions



Cable routing



Route Coaxial Cable (A) inside vehicle to Variable Signal Booster which should be located near your TV/Receiver.

Note cable can be shortened to suit application.

Please Note:

When fitting the Signal Booster and Router, there should be as much distance between the two units as possible. The TV Coax cable and Router SMA cables should also not be routed next to each other wherever possible. This will reduce the potential for interference between the two systems.



Fitting F Connector

If you decide to shorten the cable please see below method of preparing cable.



Cut cable to required length. Strip away 12mm of outer insulation.

Gather strands of screening braid, twist together and wind back around outer insulation. Cut foil to be flush with outer insulation.

Using Signal Booster



Strip away 10mm of inner insulation around the inner wire. Check none of the screening braid is touching the inner copper wire.



Cut off inner copper wire to extend 3mm beyond plug body.



Connections & features

- A. 12/24V power input
- B. On/off power switch
- C. Wall fixing hole
- D. Antenna input E. TV output 1 F. TV output 2
- G. Gain control knob
- H. Power indicator



- 1. Slide power switch to the right. The LED indicator should now be on.
- 2. Turn the gain control knob clockwise to increase signal strength.

Power source methods

- 12/24V DC (Fused Power Cable included for 12/24V wiring)

- 12/24V DC PSU Output (230V PSU)



Mounting Option

Can be mounted to vehicle shelving or side panels using the 2 screws provided.

Note:

Before drilling always check for hidden electrical wires or plumbing.

Router (For Internet) Installation Instructions



Inserting Sim Card



1. Use pin to firmly press on SIM eject button. This is located next to the SIM slot. It is not necessary to apply force to the SIM tray itself. This may damage the router.



2. Remove the SIM tray and lay the standard size SIM card flat with the metal chip face facing up. Ensure it is in the correct orientation and sitting completely flat in the holder.

st You can convert a Micro or Nano SIM Card to the standard size using the SIM Card Adaptor Pack included.





3. Insert the SIM tray back into the router. The metal chip should still be facing upwards and the SIM text on the front of the tray should be the correct way up. The tray should push into the slot without resistance, until it is fully inserted.

The SIM is now insterted.

Router Installation



1. Position router bracket and mark hole positions. Depending on material, drill a pilot hole or use a bradawl. Mount the router mounting bracket to the surface using the 2 x No.6 Screws provided.



Note: Make sure the 'Maxview Logo' is horizontal and in the correct orientation.



2. Attach the antenna coaxial cables to the bottom 2 connectors. These are marked 'mobile'. Note the order of the cables does not matter.



IMPORTANT - To prevent damage take care to ensure the centre pins are aligned before attaching the connector.



Please Note:

When fitting the Signal Booster and Router, there should be as much distance between the two units as possible. The TV Coax cable and Router SMA cables should also not be routed next to each other wherever possible. This will reduce the potential for interference between the two systems.





3. Attach the Wi-Fi antenna to the top connector. This is marked 'Wi-FI'. This should be positioned so it is vertical.



4. Connect the 12V power lead or the 230V PSU and route the lead to your power source.



5. Place the router into the mounting bracket. The router can be removed from the bracket at any time to change the SIM card as required.

6. The installation is now complete. You may wish to tidy up cable routing to suit your installation.



The optimum positioning for the WiFi antenna on the Roam Combo router is pointing directly upwards. However, the unit can be fitted with the antenna at a 45° or 90° angle, or pointing downwards or forwards.

This may have a small detrimental effect on the signal strength, which will become more significant at greater distances from the router. However, for leisure vehicle applications, this will likely only cause a negligible drop in performance.

Router (For Internet)

Getting Connected and Basic Functions



Get to know your Router



Credential Router Sticker (Located on the reverse of the router).



Getting Online

Now your Roam Combo is installed and you have inserted the SIM card, it's time to get connected. To do this, you will need to be using a device which can connect to a Wi-Fi network such as a smart phone, Smart TV, tablet or laptop.

1. Turn on router and allow 2 to 3 minutes for the router to boot.

When ready, the router name will be visible in your devices Wi-Fi settings. There are 2 methods of connecting your device to the routers Wi-Fi network.

- Option A Using device settings
- Options B Using QR Code

Option A: Device Settings







09:26 1 -1 4G < Settings Wi-Fi Wi-Fi ✓ RUT240 6CD7 1 ? (i OTHER NETWORKS Other Ask to Join Networks Ask > Known networks will be joined automatically. If no known networks are available, you will be asked before joining a new network. Auto-Join Hotspot Ask to Join > Allow this device to automatically discover nearby personal hotspots when no Wi-Fi network is available.

1. Navigate to your devices Wi-Fi settings and view available Wi-Fi networks.

2. The Roam Combo router will be displayed as RUT241_XXXX. The last 4 characters will be unique to your Roam Combo router.

If more than one Roam Combo is being used within close proximity, the Wi-Fi network name is displayed on the back of the router. 3. Once you select this network, you must enter the password. This is also printed on the back of the router.



See page 16 for code.

4. You are now connected and can begin using your Roam Combo.

Option B: QR Code

1. If your device is able to read QR codes (Android 9 or newer and IOS 11 or newer), simply point your device camera at the QR code on the back on the router. When prompted, select 'join'. Your device will automatically connect to the Roam Combo router.



That's it! You are now connected to the secure Wi-Fi hotspot of your Roam Combo Router.

The Wi-Fi network name and password will remain the same as those listed on the back of the router. The above processes can be repeated to connect up to 50 devices to the same network simultaneously.

Connecting to a device using an Ethernet Cable

If your device does not support Wi-Fi or you would like to maximise the reliability of your connection, you can access the Roam Combo internet connection by connecting the Ethernet Cable between the LAN ports on the router and your device. Possible applications for this include some Smart TV's and desktop computers.

To do this, simply connect the Ethernet cable to the router and your device. If necessary, navigate to your devices LAN settings and follow the prompts.

A When the ethernet is in use other devices can still connect to the router using Wi-Fi

Factory Reset

At any time, the Roam Combo router can be reset to its factory settings using the reset button on the side of the router. This will restore all settings on the router, including:

- Router SSID (network name) and password to those listed on the back of the router.
- Web User Interface to the username and password listed on the front of the router.
- All custom settings will be deleted, including any Wi-Fi connections you may have added.



1. To complete the factory reset, press and hold down the reset button with the supplied pin needle.



2. Hold for 6 seconds, until all of the green LEDS on the side of the router are on.

Once released all 5 signal strength LED's will flash together.

This indicates the start of the reset process.

Note: If you don't hold long enough, the router will restart but not reset.

09:26 ⋪	📲 🛛 4G 🔳
K Settings Wi	-Fi
Wi-Fi	
✓ RUT240_6CD7	ê 🗢 🚺
OTHER NETWORKS	
Other	

3. Allow 3 minutes for the router to reset. Once reset the Wi-Fi network will be visible and available to connect to.

Router (For Internet) Advanced Functions and Changing Router Settings

For most users changing these settings is not necessary. We only recommend accessing and changing settings in the Web User Interface if necessary and we do not recommend changing settings which have not been outlined in this booklet.



Did you know?

The functions in this section can be completed easier and faster using the Maxview Roam Combo App.

See the Roam Combo App instruction manual for more information.



Advanced Functions and Changing Router Settings

All of the settings and functionality of the Roam Combo router are changed using the Web User Interface. This can be accessed using a browser when your device is connected to the Roam Combo Wi-Fi network. The Roam Combo router is very powerful and there are many settings in here which can be adjusted to suit your requirements.

For most users, changing these settings is not necessary. We only recommend accessing and changing settings in the Web User Interface if necessary and we do not recommend changing settings which have not been outlined in this booklet.

Connecting to the Web User Interface

4	When using the Web UI, w	e recommend using	the Google Chrom	e browser.
8 < Q	 Teltonika Networks - RUTX1X G 192.168.1.1 192.168.1.1 	10:09	না হ 🗈	WANG D
	Teltonika Networks - RUTX11 Zum Tab wechseln http://192.168.1.1/cgl-bin/luci	AUTHORIZATION R Please enter your userna and password	EQUIRED Ime	SET NEW PASSWORD
**	Teltonika Networks - RUTX11 http://192.168.1.1/ Teltonika Networks - RUTX11	Username Please input username		Please input password (8) Repeat password (8) SUBMIT
		Plase input password	© OC IN	REMOTE MANAGEMENT SYSTEM ANAGEMENT STATUS Invalued CONNECTION STATE Failure (Error: Device is not registered in RMS: Please login forms: Enconnections, com and add this device to your

1. Whilst connected to the router, browse to **192.168.1.1** in your web browser. This can be done on any device with an internet browser and a connection to the Roam Combo Router. 2. You will first be prompted to enter the Web User Interface user name and password. The default details are printed on the rear of the router.

These are different to the Router Hotspot SSID and Password.

3. On first use, you will be required to update the password. The new password must be a minimum of 8 characters and contain at least one upper case letter, one lower case letter and one number.

After completing this change, the original credentials listed on the front of the router will no longer work. If you forget your password, you will need to complete a factory reset to reset to the original credentials.

∧∕√ status	<u>SYSTEM</u>	✓ WEBUI SETTINGS
۲	ADMINISTRATION FIRMWARE	Configuration Mode Basic
NETWORK	SYSTEM USERS BACKUP	Current system time 31.8.2021, 22:37:11
ج SERVICES	CUSTOM SCRIPTS SPEED TEST	SYNC WITH BROWSER
	SETUP WIZARD	Time zone UTC V
SYSTEM	GENERAL LAN MOBILE WIRELESS	SKIP WIZARD NEXT
	RMS	

4. When accessing the Web User Interface for the first time, you will be offered the chance to use the Set Up Wizard. This can be used to set up the router's most relevant parameters, such as changing the hotspot username and password.

4	Competent users can na Wizard as it is not strict skipping the installation	ivigate through other settings, however ly necessary to change any of these set n by selecting ' Skip Wizard '.	r we recommend skipping the Set Up tings. For most users we recommend
		TELTONIKA Networks	mode user fw version Basic Admin Rutx_r_00.07.01.2 logout ⊡*
\mathcal{N}	<u>STATUS</u>	SYSTEM CPU load: (1.5%)	MODEM 🗓 🔐 🖓
STATUS		ROUTER UPTIME 00h 23m 24s	DATA CONNECTION
\oplus	SYSTEM	LOCAL DEVICE TIME 8.2.2022, 09:30:49	STATE registered (home); Telekom.de; 4G+ (LTE-A)
NETWORK	NETWORK SERVICES	MEMORY USAGE RAM: (54.92%) FLASH: (0.3%)	SIM CARD INFO SIM 1 (Ready)
₹ <u>`</u> } SERVICES	REALTIME DATA MOBILE USAGE LOGS	FIRMWARE VERSION RUTX, R_00.07.01.2	BYTES RECEIVED / SENT 7.3 MB / 1.3 MB
C) System		RUT_8DF0_2G (2.4GHZ) 1 0N @	RUT_8DF1_5G (5GHZ) 🚹 on 😤
		SSID a RUT_8DF0_2G	SSID a RUT_8DF1_5G
		MODE Access Point	MODE Access Point
		CHANNEL 11	CHANNEL 36
		CLIENTS 1	CLIENTS 0

5. You will now have access to the router's dashboard. This page displays useful data such as mobile, system and wireless data. Unless necessary, we do not recommend changing any of the dashboard settings.

Logging out of the Web User Interface

Once you have finished using the Web User Interface, you should log out. We recommend doing this every time you have finished using the Web User Interface.

MODE BASIC	USER ADMIN	FW VERSION RUT2_R_00.07.01	LOGOUT 🕞
LAN 🗊			(\$
TYPE Wired (br-lan)			
IP ADDRESS 192.168.1.1/24	0		

Username —		
Please input usern	ame	
Password —		
Please input pass	vord	٢

1. Select '**Log Out**' in the top right hand corner and confirm you wish to log out.

2. Once you have logged out you can now close the web browser tab and continue to use the Roam Combo.

Router (For Internet)

Changing the Primary Internet Source from 3G/4G to Wi-Fi



The functions in this section can be completed easier and faster using the Maxview Roam Combo App.

See the Roam Combo App instruction manual for more information.



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WiFi

Changing the Primary Internet Source from 3G/4G to Wi-Fi

In some instances during your travels, you will be in a location where there will be a usable Wi-Fi connection which can be used as a source, instead of 3G/4G. This means you can access the internet using the same Roam Combo hotspot, however the source of the connection will be from another Wi-Fi hotspot.

To use an existing Wi-Fi hotspot, you will need to ensure:

- You know the password of the source Wi-Fi.
- The source Wi-Fi does not require access through a Captive Portal. See page 39 for more information on Captive Portals.

Using the web browser to set up this feature requires some set up time, however this only needs completing once as the Wi-Fi source details will remain in the router and the router will automatically switch to using this Wi-Fi source instead of 3G/4G when it is available. Because of the initial set up required, we recommend using this feature if you will be spending considerable time at this location or using significant amounts of data.

If you will only be at the site for a short period, we suggest you continue to use the 3G/4G connection or connect directly to the Wi-Fi connection with your Wi-Fi enabled device.

The speed and reliability of the Wi-Fi connection you receive will only be as good as the source it is connected to. We therefore recommend you confirm the network is suitable for your requirements before carrying out the set up process. This can be done using a separate device with Wi-Fi connectivity, such as a mobile phone, laptop or tablet.

It is easier and faster to switch between 3G/4G and Wi-Fi using the Maxview Roam Combo App. See the Roam Combo App instruction manual for more information.

\mathcal{N}	NETWORK	✓ WIFI 2.4GHZ		
STATUS				
	MOBILE			
	LAN	RUT240_2FEE	Interface status:	
NETWORK	WAN			
<u>ر</u>	WIRELESS FAILOVER	MAXVIEW	Interface status:	
دیری SERVICES	FIKEWALL			
< → SYSTEM				

1. From the Web User Interface Dashboard, select '**Network**' at the top of the page. When the drop down menu appears, select '**Wireless**' then click Scan under '**WIFI 2.4GHz**' if you wish to have a standard Wi-Fi network.

CHANNEL	MODE	BSSID	ENCRYPTION	
5	Master	00:1D:AA:3E:AD:96	mixed WPA/WPA2 PSK (TKIP, CCMP)	JOIN NETWORK
5	Master	02:1D:AA:3C:AD:96	mixed WPA/WPA2 PSK (WEP-40, WEP-104, TKIP, CCMP, CKIP)	JOIN NETWORK
5	Master	02:1E:42:3A:8E:34	WPA2 PSK (TKIP, CCMP)	JOIN NETWORK
6	Master	00:1D:AA:3E:AD:94	mixed WPA/WPA2 PSK (TKIP, CCMP)	JOIN NETWORK
6	Master	00:1D:AA:3E:AD:9A	mixed WPA/WPA2 PSK (TKIP, CCMP)	JOIN NETWORK
				REPEAT SCAN

2. Next the wireless connection you wish to connect to click 'Join Network"

~ JOINI	NG NETWORK: MAXVIEW	1		
	WPA passphrase		٢	
	Name of the new network			
C	reate / Assign firewall-zone	wan	\checkmark	
				SUBMIT

3. Enter the password for the network and network name if you choose to do so. Then click '**Submit**'

✓ INTERFACE CONFIGURATION		
	Enable off on	
	ESSID Maxview	
	Password	٢

4. Hit the enable button to turn on.

∧∕√ status	<u>NETWORK</u>	✓ WIFI 2.4GHZ		
	MOBILE LAN WAN	RUT240_2FEE	Interface status:	
ર્સ્ટ્રેટ્રે	WIRELESS FAILOVER FIREWALL	MAXVIEW	Interface status:	

5. Your router will now connect to your chosen wifi network. However the connection your router uses for to connect to the internet will depend on your WAN configuration setting,

\sim	<u>NETWORK</u>	→ NETWORK INTERFACES	
STATUS	MOBILE LAN	1 MOB1S1A1	Status: Running Failover: Enabled Type: Mobile
NETWORK	WAN WIRELESS FAILOVER FIREWALL	2 WAN	Status: Stopped Failover: Disabled Type: Wired
SERVICES		3 MAXVIEW1	Status: Running Failover: Disabled Type: Wireless

6. To change connection priority drag and drop each connection in the order desired.

∧∕√ status	<u>NETWORK</u>	✓ NETWORK INTERFACES		
	MOBILE LAN	1 MAXVIEW1	Status: Running Failover: Disabled Type: Wireless]
NETWORK	WAN WIRELESS FAILOVER FIREWALL	2 MOB1S1A1	Status: Running Failover: Enabled Type: Mobile	
SERVICES	, me me	3 WAN	Status: Stopped Failover: Disabled Type: Wired	

7. Then save and apply.

Changing the Routers LAN IP Address

In some cases, the LAN IP Address of the Roam Combo Router will be the same as the source Wi-Fi IP address. If this is the case, using Wi-Fi as the internet source will not work.

To fix this, we must change the LAN IP Address of the Roam Combo Router. To do this, follow the steps below:

\mathcal{N}	<u>NETWORK</u>	✓ NETWORK INTERFACE	S
STATUS			
	MOBILE LAN	1 LAN	Status: Running Failover: Disabled Type: Wired
NETWORK	WAN		
ર્ફ્ટ્રે	WIRELESS FAILOVER		
SERVICES	TINEWALL		

1. From the dashboard, select 'Network' and then 'LAN'.

IP: 192.168.1.1/24 ? Protocol: static MAC: 00:1E:42:37:2F:EC	Uptime: Oh 10m 30s RX: 811.37 KB TX: 1.30 MB	
IPv4 address	192.168.1.1	
IPv4 netmask	255.255.255.0	
IPv4 gateway	0.0.0.0	
DNS servers		

- 2. In the 'IP Address' box, change the IP address from 192.168.1.1 to 192.168.2.1.
- 3. It is not necessary to change any other settings. Select 'save' to add these settings and return to the dashboard.
- 4. After completing this change, the Roam Combo Wi-Fi will reboot and you may temporarily loose connection to the Wi-Fi. Once restored, it should not be necessary to reconnect your devices.

Note: The LAN IP Address is used to access the Roam Combo Router web user interface (WebUI). Therefore, by changing the LAN IP Address, this will also change the address which is typed into the web browser to access the router WebUI. Whatever address is used for the LAN IP address must be used.

Router (For Internet) Other Functions

Did you know?

The functions in this section can be completed easier and faster using the Maxview Roam Combo App.

See the Roam Combo App instruction manual for more information.



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WiFi

Managing and Removing Wi-Fi Connections

∧∕√ status	<u>NETWORK</u>		\vee WIFI 2.4GHZ				
NETWORK	MOBILE LAN WAN WIRELESS FAILOVER		RUT240_2FEE	Interface status:		Running _{ill}	100%
င်္ဂြိ SERVICES	FIREWALL						
	Running _{ıl} ı 100%	Mode: Access Poin BSSID: 00:1E:42:37 Clients: 1 Encryption: WPA2	t :2F:EE PSK (TKIP, CCMP)		Ø	off on	
					MULTI AP	SCAN ADD SAVE & APPLY	

1. Navigate to 'Network' and then 'Wireless'. From here, you can then view and manage the most recent Wi-Fi connection listed under the Wireless Station Mode heading. This includes updating the password or removing it completely if it is no longer uses

The Router will store the details of the most recently used Wi-Fi connection only. See page 21 to input a new connection to replace it.

Changing Wi-Fi SSID (name) and password

After completing this change, the original credentials listed on the back of the router will no longer work. If you forget your password, you will need to complete a factory reset to reset to the original credentials.

Completing this change will remove all devices which are currently connected to the router hotspot. These will need to be reconnected using the new username and password.

∧∕√ status	<u>NETWORK</u>	SYSTEM 1	MODEM 🗈
	MOBILE LAN WAN	ROUTER UPTIME ODh 04m 00s	DATA CONNECTI Disconnected
	WIRELESS FAILOVER	LOCAL DEVICE TIME 8/31/2021, 10:23:55 PM	STATE
ಕ್ಷ <u>್</u> ರಿ SERVICES	FIREWALL	MEMORY USAGE RAM: (87.38%) FLASH: (8.38%)	SIM CARD INFO Ready
SYSTEM		FIRMWARE VERSION RUT2_R_00.07.01.2	BYTES RECEIVED 0 B / 0 B

1. From the Web User Interface dashboard, select 'Network' and then 'Wireless' from the top menu.

 TELTONIKA Net	works		MODI BASI	E USER C ADMIN
VIFI 2.4GHZ				
RUT240_2FEE	Interface status:	Running _{ill} 67% Mode: Accc BSSID: 00:1 Clients: 1 Encryption	ress Point 1E:42:37:2F:EE n: WPA2 PSK (TKIP, CCMP)	
				MUL

2. You will then see a list of the Wireless Access Points (hotspots) the router is creating. As standard, this will be for 2.4GHz and one for 5GHz. Select '**pencil icon**' on the relevant access point.

✓ INTERFACE CONFIGURATION	
	Enable
	ESSID New_SSID
	Hide ESSID
	Password 💿
	SAVE & APPLY

3. You will now be transferred to the '**Interface Configuration**' tab under the '**General Set Up**' tab. In the ESSID box, input a new name (ESSID) for your router.

4. Click 'WIRELESS SECURITY' and input new password in the 'Password' box.

5. Once completed, select 'SAVE & APPLY'.

It is important this is a strong password to ensure your hotspot remains secure. We recommend using a combination of uppercase characters, lowercase characters, numbers and symbols. You should also avoid common phrases such as 'password' and '12345'.

Keep your password safe as it will be required to connect devices to the new Wi-Fi network.

10:25 🗸		•11 4G 🔳
	192.168.1.1	C
Safari cann the netwo	ot open the page l ork connection wa	because s lost.

6. When the changes are complete, you will see a web browser error page and your device will no longer be connected to the router. Because the Wi-Fi network has changed, the router will automatically remove all devices, including the one you are currently with.

Your new hotspot name and password is now set up.

Entering SIM PIN

For security, some SIM cards have a 4-8 digit PIN activated. If your SIM is PIN protected, you will need to input the PIN number into the Web User Interface before it can be used.

Please note, if you enter the incorrect PIN 3 times, your SIM card may be blocked. If this happens, you will need to contact your SIM card network provider.

If your SIM requires a PIN, the Web User Interface will display SIM (locked). If it does not require a PIN it will display SIM (ready).

 NETWORK
 SIM

 Image: Sime status
 MOBILE

 Image: Sime status
 Image: Sime status

 Image: Sime s

1. From the Web User Interface, select '**Network**' and then '**Mobile General**' from the top menu.

Settings Wi-Fi	
Wi-Fi	
NETWORKS $S_{r_1r_2}^{s_1r_2}$	1 and
Maxview Internet	₽ 중 (j)

7. You can now navigate to your device's Wi-Fi settings and view available Wi-Fi networks. The Roam Combo router hotspot will be displayed as your chosen name. Select this network and enter the new password.

This step should be repeated for any device you wish to connect.

MODEM İ	,, ∭ -83 dBm
DATA CONNECTION Connected	
STATE registered (home); 3; 4G (LTE)	
SIM CARD INFO Ready	
BYTES RECEIVED / SENT 37.1 kb / 22.2 kb	

Deny data roaming	off on
Service mode	Auto
PIN	
Enable SMS limit	off on
	CLEAR SMS LIMIT

2. In the 'General' tab, insert the PIN in 'PIN' box. Once entered, select save.

To enter the PIN, follow the below steps.

Controlling Data Usage

This function can be used to sync your SIM card's data allowance with the router. This configuration will not reset when the router is turned off so can be used to monitor usage and to understand when you are nearing your maximum allowance.

Warning:

This should be used as a guide only. For exact usage and allowance usage, please contact your service provider.

	NETWORK	~ WAN			
		1 WAN	Uptime: - RX: - TX: -		off on
NETWORK		2 MOBISIA1	Uptime: 0h 31m 16s RX: 857.7 KB TX: 1.1 MB	Edit	is interface n
SERVICES		3 MOB1S2A1	Uptime: - RX: - TX: -		off on
SYSTEM					SAVE 8 M

1. From the Web User Interface, select '**Network**' and then '**WAN**' from the menu. Click the '**Edit**' button on the internet connection (i.e the pencil icon)

✓ MOBILE D	ATA LIMIT	
	Enable data connection limit	off on
	Data limit (MB)	1000
	Period	Day
	Start hour	0
l	Enable SMS warning	

2. Under 'Mobile Data limit' click on the enable data connection limit and turn ON.

ita	connection limit	off on
	Data limit (MB)	20000
	Period	(Month ~
	Start day	(1 v)
na	ble SMS warning	off on

3. Change the Data limit value to your desired setting (i.e 2000mb) and period and month. Then click 'Save & Apply'.

4. SMS warning texts can also be set up in the same way, however this will send a warning text when you are nearing your allowance limit.

Other Functions

The Roam Combo Router offers a vast number of functions. These include features such as SMS remote control, accessing SMS messages and custom configuration. These features are advanced and should only be used by a competent user.

To bring you the Roam Combo Router, we have partnered with Teltonika. Teltonika have a vast amount of information available for all function of the router and Web UI on their Wiki Support Site. This can be accessed at: https://wiki.teltonika.lt/view/RUT241.

For more information on the function available and instructions on how to use this, please refer to the Teltonika Wiki Support Site.

Router Firmware Update

From time to time, new firmware will be available to download onto the Router. It is not essential that the latest firmware is on the router, however we recommend keeping firmware up to date to ensure you have access to new feature releases and the latest security updates.

A list of the latest firmware changes and the associated features can be found at https://wiki.teltonika-networks.com/view/RUT241_Firmware_Downloads

As long as the router has a reliable internet connection, the firmware update can be done from the Teltonika Web User Interface. The time it takes will depend on your connection speed, so we recommend using a fast connection to minimise the time required.

	MODE USER FW VERSION BASIC ADMIN RUT2 T R71 00.07.00.1324 LOGOUT D	€
ON 🛜	LAN 🔁	¢
	TYPE Wired (br-lan)	

1. To find out if your software us up to date, click the 'FW Version' tab in the top right hand side of the dash board menu.

Update from	Server 🗸
Keep settings	off on
Flash selected image	UPDATE



2. If a new version appears and is available click the update from 'server' from the drop down options.

	Server	
	DOWNLOADING_24%	

3. Press 'UPDATE'.

4. The new firmware will now begin to download.

ADMINISTRATION	Configuration files will be kept.	
FIRMWARE UPDATE FIRMWARE SYSTEM USERS	VALIDATION SUCCEEDED Below is the checksum and file size listed, compare them with the original file to ensure data integrity. Checksums: MDS: 4918191d5b5da3d74f26c93657ec7004	PROCEED
BACKUP	SHA256: bb47337b06b69473a1775913fd9142b17ec82c68af734a0bba5cd0eb91c7286d	
PROFILES	Size: 9.69 MB available	
CUSTOM SCRIPTS	AUTHORIZED FIRMWARE	0
SETUP WIZARD	Uploaded firmware is digitaly signed and authorized by Teltonika Networks.	
REBOOT	CANGEL	UPGRADING

5. You will receive a validation message once the firmware downloads successfully.

Next click the '**PROCEED**' button and a upgrading message will then appear. Once upgrading is complete you will be taken back to the login window.

Additional Information

General Safety Warnings

Read these instructions carefully and become familiar with your Maxview product. Understand the application, limitations and any hazards involved with the installation and operation.

Failure to follow all instructions may result in damage to your vehicle and/or serious injury. Maxview declines all responsibility in the event of incident or accident if they are due to a non observation of the installation instructions or the way the product is used.

No modifications to the product are permissible.

Installation

- · Always consider the additional height the product you install adds to the vehicle
- · Always follow manufacturer's operating instructions before using tools and equipment
- Take care when working at heights. Keep work area clean and tidy to avoid trip hazards
- · Use creeper boards where necessary to ensure roof construction can support your weight
- · All electrical work should be carried out by a competent person

Operation

• The maximum speed of vehicle with product mounted on roof is 81mph (130km/h)

Servicing & Support

- Any inspection or repair must be carried out by Maxview or an appointed representative of the manufacturer
- No regular maintenance required on the product
- Do not dismantle product
- · Do not use solvent or abrasive cleaning agents on the product
- Only use a suitable mild detergent to clean the product
- Do not pressure wash the product
- · We recommend you check the mechanical integrity of a roof mounted product at least once a year
- If in the event that you do experience a problem with the product, call Maxview Customer Service
 - +44 (0)1553 811000

Terms and conditions

In no event shall Maxview be liable for any indirect, incidental or consequential damages from the sale or use of the product. This disclaimer applies both during and after terms of the guarantee. This does not affect your statutory rights.

The Roam Combo antenna is designed for permanent installation and is not designed to be removed or serviced. Whether the Roam Combo is in warranty or not and whether the cause for removal is our fault or not, we are not responsible for the safe removal of the Roam Combo antenna. We will not be held responsible or liable for any damage done to the Roam Combo or other property whilst removing the antenna, regardless of the reason for removal.

By selling a Three[™] SIM card we are acting completely independent of Three[™] and any information you supply or any contract you enter in to is your own choice. We will not be held liable for any costs incurred as a result of using Three [™] services. Three[™] is a trading name of Hutchinson 3G UK Limited.

Data usage can be expensive. Although the Roam Combo does offer data warning and restriction warnings, this should be used as a guide only, it is not always completely accurate. For accurate data usage information, you should contact your service provider. We will not be liable for any costs incurred as a result of data usage using the Roam Combo.

Maintenance

The Roam Combo has been designed to be maintenance and trouble free. For optimum signal strength, keep the cover clean from dirt, bugs, and other debris. Periodic washing of the top cover with mild soap and water is recommended.

- 1. Do not remove the cover of the antenna as it will void the limited guarantee.
- 2. Never power wash the antenna. Keep the enclosure clean from dirt, bugs, and other debris by hand washing with mild soap and water.

DO NOT USE SOLVENTS TO CLEAN THE Roam Combo. DO NOT DROP OR EXPOSE TO JARRING MOVEMENTS.

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Troubleshooting and FAQ's for Router

1. How can I test the speed of my connection?

There are various apps available that can be used to measure your upload and download speed. We recommend the Ookla speed test app, available from the App Store and Google Play Store. Before running the test, make sure your device is receiving internet through the Roam Combo router.

2. What Download speed do I need to watch TV through my Roam Combo?

As a general rule of thumb, you will need 3Mbps to stream standard definition video and 5Mbps to stream high definition video.

3. My phone is connected to the Roam Combo but I don't have any phone signal?

The Roam Combo creates a Wi-Fi hotspot which can be used to provide a Wi-Fi connection to your device. This means it can be used for all features on your device that use an internet connection. This includes Facetime, WhatsApp and Wi-Fi calls, but will not include traditional voice calls and SMS text messages.

4. I am connected to the Roam Combo with a good Wi-Fi signal but nothing is loading?

If you are near to the Roam Combo router, it is likely that you will have a strong Wi-Fi connection to the router. However, this doesn't mean that the Roam Combo is receiving a strong signal from the 3G/4G network. We suggest trying a different location and ensuring you still have data on your SIM card.

If you are using the router to connect to an existing Wi-Fi hotspot, check the Wi-Fi source is reliable and has a good download speed before connecting the Roam Combo to it.

5. Why has my phone got faster internet speed than my Roam Combo?

The Roam Combo has been optimised for remote and rural locations where our customers tend to travel. Using the router's 3G/4G capabilities in urban locations where the 3G/4G signal is strong, you should still be able to receive a fast internet speed (enough to stream HD TV). However, the Roam Combo performs best when 3G/4G signal is limited, allowing you to use the internet when other devices can't.

6. I have forgotten my Wi-Fi password, what should I do?

You will need to carry out a factory reset. See page 19.

7. Where can I find more information about the advanced functionality of my router?

If this manual does not cover the function you wish to use, detailed step-by-step information on every function of the router is available at https://wiki.teltonika.lt/view/RUT241

8. Is there an easier way to change the settings for my router?

Most router functionality can be controlled using the Teltonika App.

9. Does the Roam Combo work on 5G?

The benefits of 5G to our customers are still limited due to the limited number of (mostly urban) areas where the technology is available. That said, as the 5G network continues to expand, 5G may well benefit customers in years to come.

To ensure customers are futureproofed for when 5G technology does provide a benefit, Maxview have therefore integrated 5G capabilities into the Roam Combo antenna as standard. Please note, the Roam Combo router is a 3G/4G router and does not receive 5G. Therefore, customers wanting to use 5G will need a 5G router and SIM Card plan.

10. Does the Roam Combo work when my vehicle is moving?

Yes, when the Roam Combo is using 3G/4G as the connection source (rather than Wi-Fi), the Roam Combo will work when you are in motion.

11. Why do I lose connection to my Roam Combo when I move in or out of range of the Wi-Fi source my Roam Combo is using?

The Roam Combo will automatically detect and connect to the Wi-Fi source you have set up in the Web User Interface. When the Roam Combo detects that this network has become available (or unavailable), the router will switch from receiving Wi-Fi to 3G/4G (or vice versa). During this sequence, there will be a brief period where there is no signal available to the router. Because of this, some devices will disconnect from the Roam Combo hotspot. If this is the case, simply reconnect to the Roam Combo hotspot and you should be back up and running.

12. I am revisiting a location where I have previously been connected to the Wi-Fi using the Roam Combo. Why doesn't my Roam Combo automatically reconnect?

When using an existing Wi-Fi hotspot as the connection source, the Roam Combo will only store the last Wi-Fi hotspot used. If you are revisiting a location which was not the most recent location used, you will need to visit the Web User Interface to input the new Wi-Fi source details. For more information on how do this, see page 25.

If the location you are revisiting is the last Wi-Fi source the Roam Combo router was set up with, whilst located within good range of the Wi-Fi source, try rebooting the router. It should now automatically connect.

If this does not work, it is possible that the password for the Wi-Fi source has changed. If so, you will need to log into the Web User Interface and update the password. See page 30 for instructions on how to do this.

13. Some buttons on the Web UI are not responding?

We recommend using the Google Chrome browser when using the Web UI. If you are using a different browser and experience problems, you can also try holding down the button you wish to select.

14. I have connected the Roam Combo router to an existing Wi-Fi source, however I cannot receive the internet.

- It is possible that the IP Address of your Wi-Fi source is the same as that of the Roam Combo router. This will cause this function to stop working. See page 28 for more information.
- If this change does not work, it may be that the Wi-Fi source you are connected to is slow or even unusable. You can try moving closer to the source. If this does not work, the Wi-Fi source may be too slow to use; the connection received through the Roam Combo router is only as good as the source.

15. The 192.168.1.1 web address does not open the WebUI.

- Ensure the device you are connected to is receiving its Wi-Fi from the Roam Combo Router.
- Ensure that you have not changed the LAN IP address. If this has been changed, the new IP address must be used to access the WebUI.

16. Why does my Apple device say the Roam Combo Wi-Fi has weak security?

Firstly, rest assured this message is nothing to worry about and your Wi-Fi connection is still perfectly secure. As default, the Roam Combo router uses WPA2-PSK as the Wi-Fi security standard. As new standards emerge, Apple have highlighted vulnerabilities in the WPA2-PSK encryption standard and therefore devices on IOS 14 or newer highlight this with the 'weak security' message. In reality, this protocol remains secure and is the standard used by most routers in the marketplace today. The newer gold standard protocol is WPA3. Maxview are working with Teltonika to ensure this protocol is introduced when available.

17. What are the lights on the side of the Roam Combo router telling me?

Basic use and diagnosis using the LED's has been outlined below.

Connection status LEDs The connection status LEDs are located on the left side of the front panel, between the power connector and the signal strength indication LEDs: Connection status LEDs are located on the left side of the front panel, between the power connector and the signal strength indication LEDs: Connection status LEDs are located on the left side of the front panel, between the power connector and the signal strength indication LEDs: Connection state and network type among a few other things: ACTION DESCRIPTION 2G, 3G and 4G LEDs blinking every 1 second No SIM or bad PIN Blinking from 2G LED to 4G LED repeatedly SIM holder is not inserted or access to network is denied 2G/3G/4G LED blinking every 1 sec Connected to 2G/3G/4G, no data session established 2G/3G/4G LED turned on Connected to 2G/3G/4G with data session 2G/3G/4G LED blinking rapidly Connected to 2G/3G/4G with data session and data is being transt

Signal strength LEDs

The signal strength LEDs are located in the center of the front panel, to the right of the connection status LEDs:



Each lit up LED represents a different value of the router's current signal strength in RSSI:

NO. OF LIT UP LEDs	SIGNAL STRENGTH VALUE	
0	≤-111 dBm	
1	-110 dBm to -97 dBm	
2	-96 dBm to -82 dBm	
3	-81 dBm to -67 dBm	
4	-66 dBm to -52 dBm	
5	≥ -51 dBm	

Visit wiki.teltonika.lt/view/RUT241_LEDs for a full list of the LED configurations and what these mean.

18. What does the Maxview Roam Combo App do?

The Maxview Roam Combo App is available free of charge to all customers who have purchased a Maxview Roam Combo. It is available to download from the Android Google Play and Apple App Stores.

The Roam Combo App is designed to simplify some of the key functions of the Maxview Roam Combo including set up, changing the Roam Combo hotspot Wi-Fi name/password as well as switching between 3G/4G and Wi-Fi source. With the Roam Combo App, it is no longer necessary to access the router settings through the web browser.

19. What is a Captive Portal?

A Captive Portal is the term used when a public Wi-Fi source redirects the user to a webpage before they can gain access to the internet.

This page usually requires the user to input details such as an email address and accept terms of use.

Wi-Fi sources requiring use of a Captive Portal are not supported by the Maxview Roam Combo and therefore cannot be used as an Wi-Fi source.

In this instance we suggest you continue to use the 3G/4G connection or connect directly to the Wi-Fi connection with your Wi-Fi enabled device.



Example of a typical captive portal login.

20. What is WAN Failover?

Once WIFI has been activated as the internet source, the Roam Combo uses WAN failover as default. This feature is designed to overcome the need to manually switch the internet source between mobile and Wi-Fi. When a Wi-Fi connection has been set up, the Roam Combo router will prioritise this as the source of internet and only use the mobile connection when the Wi-Fi is no longer available.

Troubleshooting and FAQ's - For TV reception & Signal Booster

1. I have no picture on my TV or the picture is breaking up/freezing?

- Ensure all connections are correct
- Ensure the Variable Signal Booster power LED is on
- Try adjusting the gain control on the Variable Signal Booster (turn to right to increase gain. We suggest you start with 100% gain and reduce if in a high strength area)
- To maximise the number and quality of channels found, you will need to retune your TV/Freeview box when changing locations, the aerial is likely to be picking up channels from different transmitters

2. Power LED is not lit on my Variable Signal Booster

- Ensure power switch is in the on position
- Ensure the power source is connected correctly
- Check the inline fuse in the power cable

3. Should I be using the Variable Signal Booster (VSB) in Line with my Roam Combo 5G Combo?

We recommend always using the VSB in-line as this will boost the signal quality significantly. However, in some areas where the signal strength is good, it may not be necessary to use the VSB

4. Can I change the length of the cable supplied with my Roam Combo 5G Combo?

- Yes, you can shorten the cable by cutting it to the required length and refitting the F connector.
- Details on how to fit the F connector on page 9
- You can lengthen the cable by using a back to back connector and some additional F cable or a flylead
- Please note, longer cable may introduce signal losses and reduce signal quality

5. How should I clean my Roam Combo. Do I need to carry out any maintenance?

- The Roam Combo has been designed to be maintenance and trouble free
- If you do wish to clean your 5G Combo Antenna, use a sponge with mild soap and a minimal amount of water
- Never use a powerful flow of water, power washer or solvents to clean

2 year guarantee

Every Maxview Roam Combo Mobile System is thoroughly inspected and tested before leaving the factory, and is covered by the following 2 year parts limited guarantee from the date of original purchase.

Registering your product

As part of our commitment to our customers, we ask owners of our Roam Combo to register ownership. By registering products with the Maxview service database, we will have a record of the product purchase that will allow us to provide our customers with faster and improved technical support, notifications of software updates as well as many other benefits. Additional benefits do not affect your statutory rights as a consumer. Each product you purchase needs to be registered with us individually.

How do I register my product?

You need to register your product within 28 days of purchase. To register your Roam Combo go to the Product Registration: register.maxview.co.uk

You will need the model and serial number of your product, which can usually be behind the Router. This can also be found on your guarantee registration card. We recommend that you keep this instruction book and proof of purchase in a safe place. The instruction book is particularly useful to help you get the most from your product.

Has my product been registered?

Once you have registered your product you will receive an email confirming your registration.

How do I claim on my guarantee?

In the unlikely event that you have an issue with your product please contact our Customer Services Team on +44 (0) 1553 811000 or email support@maxview.co.uk. You will need to retain your proof of purchase as we will ask for this along with the model and serial number of your product.

In no event shall Maxview be liable for any indirect, incidental or consequential damages from the sale or use of the product. This disclaimer applies both during and after terms of the guarantee. This does not affect your statutory rights.

Due to expanding and changing telecommunications market, Maxview cannot be held responsible for changes made to communication services. Software updates to address such issues are not covered under guarantee.

Terms and Conditions of the Guarantee

- a) Your guarantee starts from the date you purchased your item. Your guarantee will be valid from date of manufacture if you are unable to provide a proof of purchase.
- b) A guarantee authorisation must be obtained from Maxview prior to work commencing.
- c) Maxview is responsible for the cost of a replacement part if the original part is determined to be defective under the terms of the guarantee.
- d) Any replacement parts required will be supplied, by return, on receipt of the faulty part.
- e) Any work requiring replacement parts will only be sanctioned on receipt of proof of the broken part. The customer is responsible for the cost of replacement parts after the guarantee period has expired.
- f) Our quarantee is "Back To Base." No travelling costs will be paid.
- g) Parts that suffer breakdown and/or failure due to flooding/water ingress or abrasive cleaning caused by solutions and/or Pressure Washers are not covered under our guarantee.
- h) Our guarantee does not cover installation or external wiring

This guarantee also does not apply where:

- The product has been abused, misused, improperly installed or improperly maintained.
- The product has been installed without the use of a Maxview mounting bracket designed for the product.
- Repairs have been made or attempted by others that are not certified by Maxview to do such repairs.
- Repairs are required because of normal wear and tear.
- Alterations have been made to the product.
- The antenna unit has been opened without authorisation.
- Damage has been caused by power washing.
- · Circumstances beyond the control of Maxview cause the product to no longer operate correctly.
- Customer is not the original owner.

Certification and Environment



The Roam Combo system has been designed, constructed and marketed in compliance with the safety and product requirements of the relevant EEC Directives.



Products marked with the crossed out wheely bin must not be disposed of with normal household waste but made available for separate household collection. Separate collection of used products and their packaging allows materials to be recycled and used again. Re use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.



UK Conformity Assessed (UKCA) marking is a certification mark that indicates conformity with the applicable requirements for products sold within Great Britain.

SIMPLIFIED EU DECLARATION OF CONFORMITY

Hereby, Maxview Ltd. declares that the radio equipment described with this document is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: www.maxview.co.uk/certifications.

Specifications

4G/5G Antenna Function Frequency Gain: Cable Length: Cable Type:	698-6000 MHz/5.9dBi -8.8dBi. Includes all 3G, 4G and 5G frequencies 5.9dBi - 8.8dBi 2 x 0.8m (Cable extensions available separately) 2 x SMA
UHF Antenna Function Frequency Gain: Cable Length: Cable Type:	Wideband for UHF TV 19dB with Signal Booster 1 x 5m 1 x Coaxial (Supplied with 'F' Connector)
Antenna General Type: Power: Dimensions: Weight:	Omni-directional Passive L: 356mm H: 194mm D: 311mm 995g
Router Router Type: Compatible Speeds: 3G/4G Antenna Connector: Ethernet Ports: Connection Devices: External Antennas: Power: Power Consumption: Family Browsing: Remote Diagnostics: SIM: Housing: Dimensions: Weight:	3G/4G and Wi-Fi Up to 150Mps 2 x SMA 2 x RJ45 (WAN and LAN) Up to 50 2 x 3G/4G (for external roof mount antenna) 1 x Wi-Fi (for internal whip antenna) 9-30 VDC (Reverse Polarity Protection) 12V Automotive Power Supply Included 1.5m Lead Length 2 Amp Fused Input Protection 0.4A Max Yes, blacklists and whitelists Yes Unlocked Aluminium H: 83 x W: 74 x D: 25mm 125g
Signal Booster Compatibility: Frequency Power Supply: Power Consumption: Inputs: Outputs: Variable Gain: Noise: Product Dimensions:	Digital TV and DAB radio Wideband for UHF TV and VHF radio 12/24 DC (Included) Low (50mA) 1 2 0 - 19dB 3.5dB H: 51 x W 142 x D 31.5mm

The Maxview Roam Combo system uses a TELTONIKA NETWORKS UAB RUT241 LTE router.

Used Frequency Range of Built-In RF Module:

Band		UL f, MHz	DL f, MHz
GSM	GSM900	880-915	925-960
	GSM1800	1710-1785	1805-1880
WCDMA	1	1920-1980	2100-2170
	8	880-915	925-960
LTE	1	1920-1980	2110-2170
	3	1710-1785	1805-1880
	7	2500-2570	2620-2690
	8	880-915	925-960
	20	832-862	791-821
	28	703-733	758-788
Wi-Fi 2.4GHz	1-13	2412-2472	

Transmit Power:

• Wi-Fi 2.4GHz: 18.82 dBm (EIRP)

• GSM900: 33 dBm

• GSM1800: 30 dBm

Standards Applied:

• WCDMA (Band 1/8): 24 dBm

• LTE (Band 1/3/7/8/20/28): 23 dBm

TELTONIKA NETWORKS UAB have declared that the above product is in conformity with the relevant Community harmonisation: European Directive 2014/53/EU (RED). The conformity with the essential requirements has been demonstrated against the following harmonised standards:

Harmonized standard reference	Article of Directive 2014/53/EU	Test Report No.
EN IEC 62311:2020 EN 50665:2017 EN IEC 62368-1:2020 + A11:2020	Health and safety - Article 3.1 (a)	SZCR211002350407 SZES211100762301
EN 55032:2015 + A1:2020 EN 55035:2017 + A11:2020 EN IEC 61000-3-2:2019 EN 61000-3-3:2013 + A1:2019 EN 301 489-1 V2.2.3 EN 301 489-17 V3.2.4 Final Draft EN 301 489-52 V1.2.0	Electromagnetic compatibility - Article 3.1 (b)	SZCR211002350401 SZCR211002350402
EN 300 328 V2.2.2 EN 301 511 V12.5.1 EN 301 908-1 V13.1.1 EN 301 908-2 V13.1.1 EN 301 908-13 V13.1.1	Efficient use of radio spectrum - Article 3.2	SZCR211002350403 SZCR211002350404 SZCR211002350405 SZCR211002350406

The conformity assessment procedure referred to in Article 17 and detailed in Annex III of Directive 2014/53/EU has been followed with the involvement of the following Notified Body: SGS Fimko Ltd., Takomotie 8, FI-00380 Helsinki, Finland. Notified Body No.: 0598.

Therefore **CE** is placed on the product. EU Type Examination Certificate No. RED-2876

More information can be found at: https://maxview.co.uk/certifications/