

# MAXVIEW

## Need a little help? Your guide to internet on the move

Stay connected wherever  
your adventure takes you!

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# Why Maxview?

Maxview have been manufacturing for over 55 years with one aim, to make receiving TV on the move as simple as it can be.

As one of the UK's largest manufacturers of TV, Radio and Satellite products, our long standing reputation is the result of outstanding customer support and constant innovation.

2020 opens a new chapter for internet connectivity to further your experience. After months of development and testing, Maxview is entering the internet connectivity market with the 'Roam', designed specifically for the leisure market to offer effortless, reliable and usable internet connectivity.

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## Stay connected wherever your adventure takes you!

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### Need Help or Advice?

Please contact our friendly Customer Services Team

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# Internet Connection on the Move



Internet connection, especially whilst travelling, is often relied on for checking the weather, researching places to stay, visit and eat. Keeping up to date with family and friends through social media and emails to simply keeping the kids entertained on journeys and rainy days. The internet has fast become a necessity to our daily lives.

Smartphones and other devices can provide access to these services but for many can prove unreliable for coverage and speeds required.

People with Smart TV's at home often wish to transfer the same viewing experiences into their vehicle so when they are away from home they don't miss their favourite Netflix series, they can watch their favourite film on Prime video or can simply catch up on the weekly soaps or favourite TV programme at a convenient time via BBC iplayer or ITV HUB.



## The Problem...

### Poor 3G/4G and Wi-Fi signal on your travels?

Internet connection on your adventure can often be disappointing and intermittent. Often the 3G/4G signal on your phone is weak or even non-existent as you venture further into remote and rural locations. Even with the campsite Wi-Fi the bandwidth can become congested with many like-minded users. The result is a poor and slow connection and often just browsing the internet is a chore and streaming your favourite TV show is not even an option.

# The Solution...

## Maxview Roam, a powerful mobile 3G/4G and Wi-Fi solution...

The Maxview Roam uses a powerful external roof mounted antenna and an internal powerful router. The solution is a reliable and secure Wi-Fi hotspot for your vehicle.

The Maxview solution is unique as the Roam helps you get better internet in two ways.

### 1. 3G/4G Signal

Firstly it can use a 3G/4G signal to get you Wi-Fi. This is the Roam's most powerful solution. With the powerful external antenna it can pick up signal often where your phone will get little or none.

### 2. Wi-Fi Source

Secondly it can also be used to connect to a useable Wi-Fi hotspot. This solution uses the powerful aerial on the Roam Router. This allows you to minimise data use on your SIM card when a reliable Wi-Fi source can be found.

Either way the Maxview Roam has you covered to maximise your internet connection on your adventure.



# How does it work?

Application examples

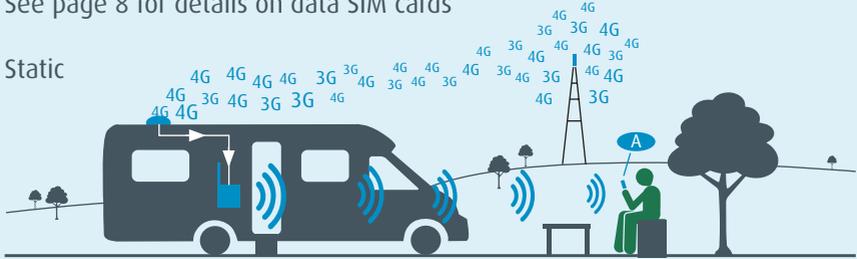
**Key**  
4G/3G Data transfer from closest transmitter    Roam Antenna    Roam Router    Wi-Fi Hotspot

## 3G/4G Signal

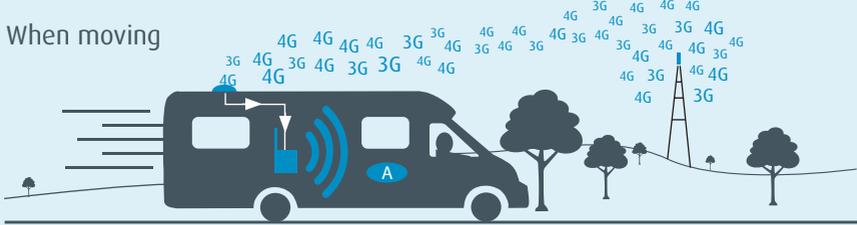
Primary Function - Using a Data SIM Card

See page 8 for details on data SIM cards

Static



When moving



## Wi-Fi Source

Secondary Function - Access to a local Wi-Fi hotspot

Providing you have the access password.

Please Note - Some set up required switching to this function on your router.

Static



# Roam - Antenna

A powerful omni-directional Antenna and high performance router designed to provide uncompromised and usable internet connectivity whilst travelling.



## Unique Features

### Powerful Antenna

- Our powerful roof mount Antenna has been designed specifically for vehicles and optimised to work in rural and remote locations.

### Sleek Antenna Design

- Low profile and streamline design for roof mounting; occupies minimal roof space for a discrete installation. It can be mounted in almost any position with mounting options available.

### Static and Mobile Connectivity

- Providing connectivity when stationary and whilst on the move.

### Suitable for UK and European Travel

- The Roam has been optimised to work across the UK and Europe. (dependant on data provider/contract).

### Omn-directional

- By receiving signals throughout 360 degrees, the Roam requires no manual directional adjustment, simply fit and forget.

### Suitable for Elevated Roof Installations

- Independent performance testing confirms the antenna works effectively on elevated roofs Although horizontal installations provide maximum performance.

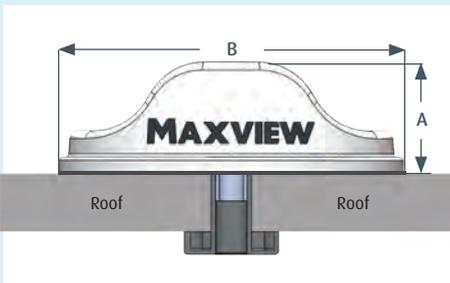
### Reliable Data Transfer

- 0.8metre cable with twist on (SMA) connectors for reliable data transfer.

### Simple Installation

- Self adhesive pad and clamp provides quick and easy permanent through the roof installation. Once installed simply plug and play.

Other mounting accessories are available. See page 10 for details.



A 65mm  
B 196mm  $\phi$

# Roam - Plug and Play Router

A 3G/4G receiving product is ultimately the most likely to offer reliable and usable internet connectivity, however we have also recognised that in some specific scenarios, where a usable Wi-Fi hotspot is in range, using data is just not necessary.

Roam offers the best of both worlds, when available a Wi-Fi connection can be used to minimise data usage.

**3G/4G**

Primary Function

Sim card required - see page 9.



**WiFi**

Secondary Function\*



\*Please note - Some set up required switching to this function on the router.

## Unique Features

### Powered by Teltonika

- We are proud to have formed a partnership with Teltonika to bring you the powerful Roam router.

### Plug and Play Router

- Specifically designed for your vehicle, it features a durable Aluminium housing. Its compact size and cupboard mounting bracket ensures a neat installation.

### Factory Unlocked for any SIM

- The router is designed to work with any data service provider, alongside your choice of Pay As You Go or monthly contract, so you can use whatever network works best for you.

### Secure Internet Browsing

- Uses advanced password encryption methods, to ensure your internet connection remains secure.

### Connectivity

- Can be wired using the 1.5m Ethernet Cable providing a connection directly to a device. Ideal for Smart TV's.

### Power Options

- Uses 12V automotive cigarette power supply or can be powered using 230V mains power supply.

### Devices

- Connects up to 50 devices at any one time including Smart TV's, Smart Phones, Tablets and Laptops.

### Family Friendly Browsing

- Bespoke website blacklist filters can be set up to block unwanted websites.



# SIM Card Information

The Roam is designed to work with any data service provider so you are free to use whatever network works best for you!

You can use your provider if you already have one in place alternatively if you are choosing a network provider for your Roam it's worth considering coverage for intended travel alongside the best deals and usage.

If you travel to Scotland, EE's coverage is regarded superior, whilst Vodafone proves popular for those travelling into Europe. The Three network is generally considered to offer competitive deals.

Please check limitations of your network provider and Data SIM, especially when travelling abroad, the number of days abroad, usage and restrictions of roaming partners. It is always a good idea, when travelling abroad to carry a spare SIM which doesn't have a shelf life or expire if not used.



## Understanding Terminology

### Data SIM

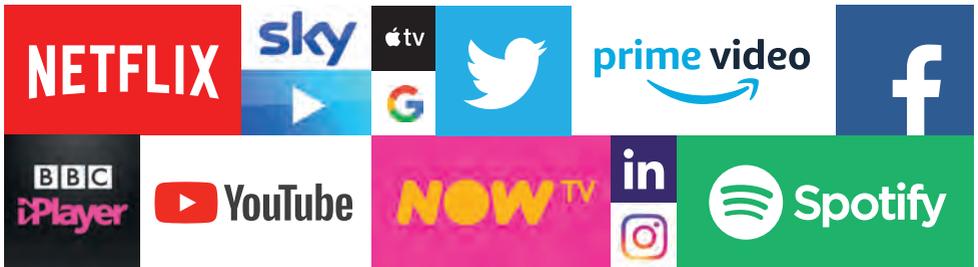
A data only SIM is a SIM card that comes with a Data allowance per month, but no minutes or texts. They are used primarily in devices which don't make or receive calls.

### Units of Data

MB and GB are used for measuring units of data which is used by network providers to tell you how much data you are getting on a Data SIM.

MB - This stands for megabyte and is made up of approximately 1000 kilobytes.

GB - This stands for a gigabyte. About 1000 megabytes makes up 1 gigabyte.



All subject to country and local contract.

## How much Data will I need?

### Data Usage Guide

This useful table illustrates the data usage for **one** of the activities below.

Application	12GB	24GB
 Emails	60000	120000
 Emails & Attachments	9000	18000
 Browse Internet	480hrs	960hrs
 Stream Music*	80hrs	160hrs
 Upload Photos	3000	6000
 Watch TV**	12hrs	24hrs

This is to be used as a guide only and is dependent on many factors such as quality of download, devices, networks and download speed.

\*Normal quality \*\*SD (standard definition) TV

## What do we offer?

### THREE™ network Data SIM preloaded for up to 12 months OR 24 months

Available to purchase separately, pre-loaded with either 12GB or 24GB of Data.

12GB and 24GB pre-loaded data SIM cards offer great coverage and cost effective data. Simply place the SIM card into your Roam and you can immediately begin to use it.

The 12GB SIM is valid for 12 months from when it has first been used.

The 24GB SIM is valid for 24 months from when it has first been used.

When you have used all the data, just add more using the Three website or replace with another pre-loaded data SIM. These SIM cards can also be used in many other countries at no extra cost but there are limitations. For full details of these limitations, please contact Three™.





## Mounting Accessories Available separately



### Roam Bracket Fitting Kit

The raiser bracket allows you the flexibility to mount your antenna anywhere on your roof and enter the cable at your preferred point using the supplied cable entry cover. Alternatively you may have an existing cable entry point you may like to utilise instead.

Designed and manufactured specifically for the Roam Antenna, the aluminium bracket is lightweight, strong and finished with a durable white powder coating.

Suitable for any flat roof the kit also includes 3m extension cables for flexible mounting position.

We always recommend the cable join is inside the vehicle. Cable securing clips and screws are also included. The bracket can also be mounted using a flexible adhesive. (Not included).

[MXL050/KIT1](#)

## Data Sim Cards Available separately



### Data SIM packages

12GB [SIM12GB](#)  
24GB [SIM24GB](#)

See page 9 for more details

## Extension Cables Available separately



### Roam Extension Cables

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

1 metre [MXL050/EXT1](#)  
2 metres [MXL050/EXT2](#)  
3 metres [MXL050/EXT3](#)  
5 metres [MXL050/EXT5](#)

# What about 5G?

5G is an emerging technology, currently only available in a limited number of cities.

Due to its short wavelength and high infrastructure cost, there is no immediate plans to provide coverage in rural and remote locations.

This is why Maxview have continued to invest in receiving reliable and cost effective 3G/4G mobile Wi-Fi.



As service providers begin to introduce 5G capabilities, 5G is a term we are becoming more and more familiar with. However, 5G is a very different technology to 3G and 4G. Technically speaking 5G uses a much shorter Wavelength which means the signals do not travel as far.

This means 5G is well suited to largely populated areas where transmitters can be placed at frequent intervals and signals can reflect off of buildings, however achieving 5G coverage in rural areas will be very expensive.

Consequently service providers are initially concentrating on dense cities before tackling rural areas.

This means 5G connectivity is unlikely to be available in rural and remote locations for some time. Because of the cost associated to receiving 5G connectivity in terms of both hardware and data packages, Roam focuses on maximising 3G/4G signal at a cost effective price.

# MAXVIEW

Visit us at [www.maxview.co.uk](http://www.maxview.co.uk)

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