

# Router/SIM information



## Introduction

For convenience, SixEye offers a router and SIM card bundle to provide **connectivity for your site**. This will be configured to operate out of the box, with limited risk for unexpected data usage or security concerns. No additional configuration of the router will be required on site.

This document outlines the features we provide and support, the default settings, and the options to customise the bundle if you wish.

## Router management

SixEye will remotely manage the router for you. To ensure you have the best experience we will setup the product for you and remotely update the firmware if required for security updates.

If you would like to have unlimited access to the router and change settings by yourself then that is possible too, but in this case you agree to assume full responsibility of the product, including the responsibility for firmware updates, mobile configuration, etc.

In the future, SixEye aims to support the remote management of this router via your own SixEye site, including firmware updates, enabling WiFi, changing IP settings, and more.

## Configuration

To be sure we send you what you need, please review the shipping configuration of the product on the next page.

## Hardware

The hardware we supply is a Teltonika RUT955 router, including:

- DIN rail mount
- PSU (UK, EUR or US plug)
- indoor Antenna set
  - Optional outdoor set

Contact us via [hello@sixeye.net](mailto:hello@sixeye.net) for the datasheets of the hardware involved.

If a SIM card is ordered at the same time then this will be installed in the SIM1 slot.

## Installation

Installation can be on a DIN rail using the included DIN rail mount, or the unit can be wall mounted via the mounting holes. The mobile antenna should be installed at a location where it can receive mobile data – not inside a metal enclosure, nor in a basement.

## Network coverage

Nowadays mobile coverage by all operators is widespread but if you are aware that mobile Internet coverage is limited at the planned install location, or you have doubts about a seemingly remote location, please reach out to us before ordering for any additional instructions. SixEye is not liable for limited mobile coverage.



# Settings

The router is supplied with the following settings, unless requested otherwise upon order.

## Router/login

- IP address of the router: 192.168.1.1
- Login details: provided if you take over remote management from SixEye

## LAN

- Ports LAN1, LAN2, LAN3 can be used to connect your device(s)
- DHCP server is enabled to serve IP addresses in the range 192.168.1.100-249 / 255.255.255.0

Devices with a fixed IP should use the following settings

- IP address range: 192.168.1.10 to 192.168.1.99
- Subnet mask: 255.255.255.0
- Default gateway: 192.168.1.1

## Wireless

- Wireless is disabled by default

## WAN

- The WAN port can (optionally) be connected to an available local network. The WAN port is configured to receive an IP address from that network via DHCP
- The WAN port is configured as the main WAN access, with Mobile as WAN failover. This allows you to connect the WAN to use a wired connection as your default Internet access, seamlessly switching over to mobile data if the wired connection is not available

## Mobile

- These settings are configured as the included SIM requires
- We don't provide support for setting up the router with your own SIM

## NTP

- By default, this feature is disabled on the router
- Google's time servers [time.google.com](http://time.google.com) (216.239.35.0), [time2.google.com](http://time2.google.com) (216.239.35.4) are whitelisted; we suggest you use those on the devices you connect

## Web filter

By default we whitelist the domains required for the devices to operate with SixEye, as well as the SixEye website. To be clear: this means this router can only be used to provide access to these whitelisted items. We do this to prevent accidental data usage, for example by a computer which starts to download system updates.

## Security

We follow the default settings from Teltonika. The method we use to remotely update the firmware or support you with your installation follows the high security standards SixEye is comfortable with.

## Data usage and operator

We work with a fixed operator, depending on the country of installation. The data limit for the SIM is 1GB a month. We can enforce a hard limit. Additional data packages are available for installations where extra data might be needed.



# Required information for ordering a router

Region:	<input type="checkbox"/> United Kingdom <input type="checkbox"/> Europe <input type="checkbox"/> United States Please contact us if you require a router for a region not mentioned here.	
City / State:	City (ST)	
Country:	Country	
Antenna kit	Indoor antennas included	<input type="checkbox"/> Outdoor (additional costs) (Roof type, to fit on outside an enclosure)

SIM card	<input type="checkbox"/> Supplied inside router (additional costs)	<input type="checkbox"/> Not required (Router management will be by Customer)
Default data package	Max 1GB/month	
Additional data	In GB / month, provided at cost	

Router Management:	<input type="checkbox"/> by SixEye	<input type="checkbox"/> by Customer
Login details:	Not shared	Shared upon delivery

Requested alterations	(only applicable if managed by SixEye)	
LAN	Router IP address	192.168.1.1
	DHCP server	Enabled
	DHCP server IP range	192.168.1.100-249
	Subnet mask	255.255.255.0
Wireless	WiFi	Disabled
	SSID (network name)	n.a.
	Password (WPA2-PSK)	n.a.
WAN	Protocol	DHCP
	IP address	n.a.
	IP subnet mask	n.a.
	IP gateway	n.a.
NTP	Router acts as NTP server	Disabled
	NTP servers used by router	2.europe.pool.ntp.org 3.europe.pool.ntp.org
Whitelist	SixEye connectivity	various
	SixEye-powered portals	various
	SixEye connected manufacturers	various
	NTP servers	various as above
	Additional sites or services	Please specify
		Please specify

