

MERIDIAN ROUTER

user interface manual

MERIDIAN5G

PRODUCTS: CLASSIC ROUTER, DOME ROUTER

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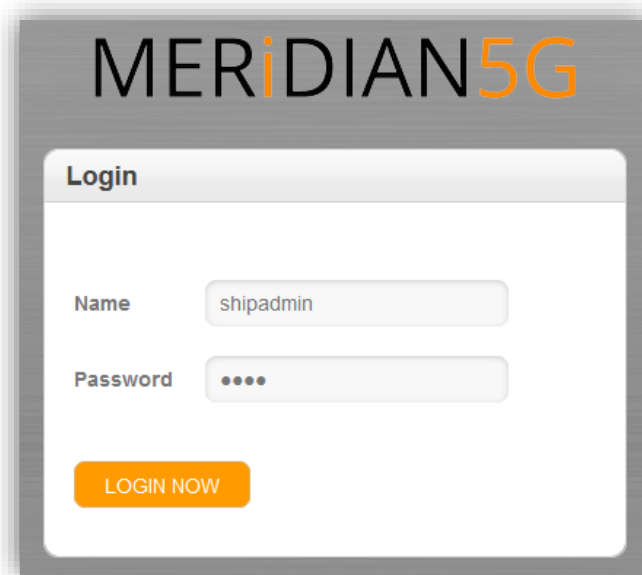
1. Introduction

User interface of Meridian router can be accessed using any web browser from yacht's local network via router's local IP address.

Authentication page will prompt you for login and password. Please use the following credentials to log in:

- Name: shipadmin
- Password: ship

To change the default password / add new users, please contact out support.

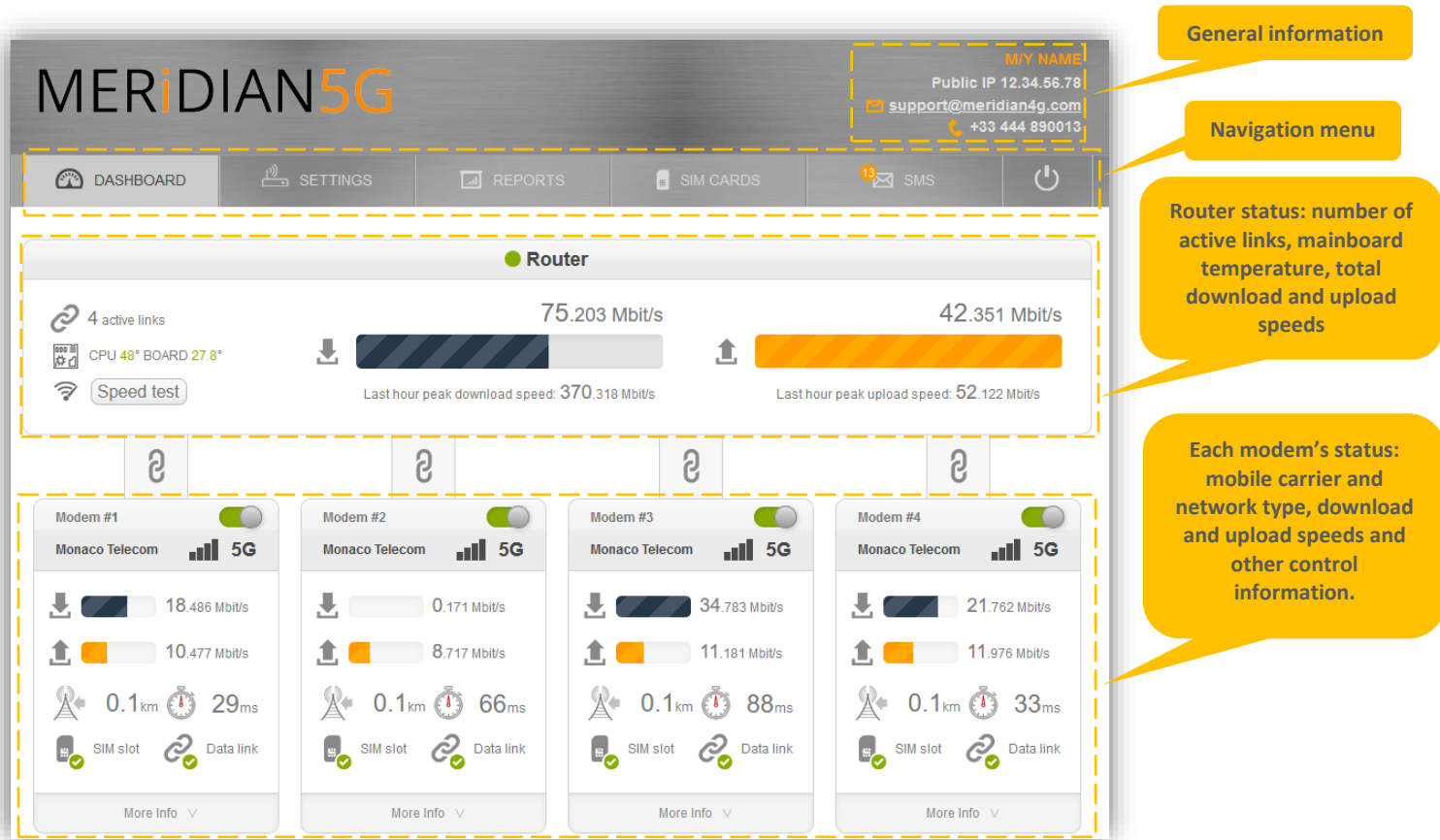
The image shows a login interface for Meridian5G. At the top, the text "MERIDIAN5G" is displayed in a large, bold font, with "MERIDIAN" in black and "5G" in orange. Below this is a white rectangular box with a grey border. Inside the box, the word "Login" is written in bold at the top left. Below "Login", there are two input fields. The first is labeled "Name" and contains the text "shipadmin". The second is labeled "Password" and contains four black dots. Below the input fields is an orange button with the text "LOGIN NOW" in white capital letters.

2. Dashboard

MAIN MENU -> DASHBOARD

2.1. Overview

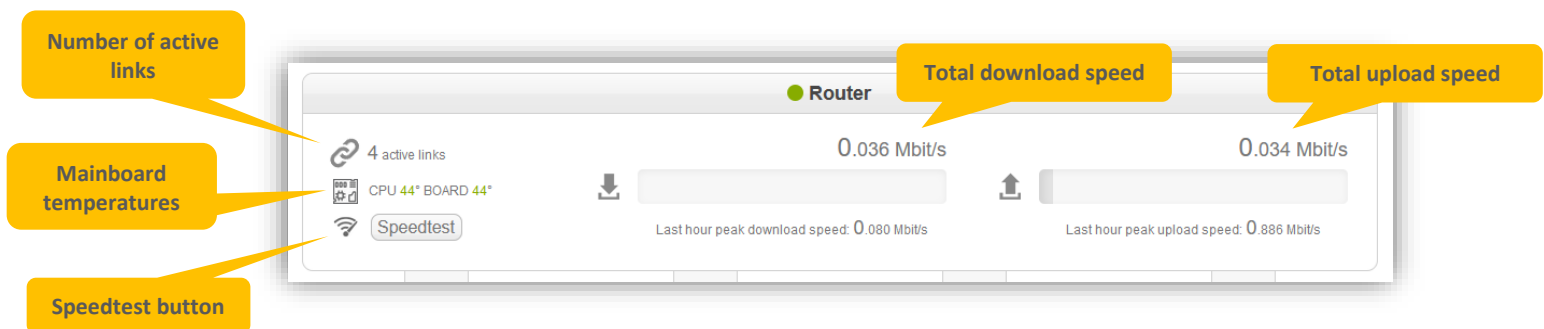
Dashboard presents most important information about the status of router overall and each of its 4 modems. Here is an overview of this screen:



2.2. General Information

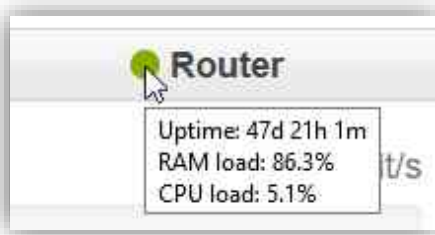


2.3. Router Status

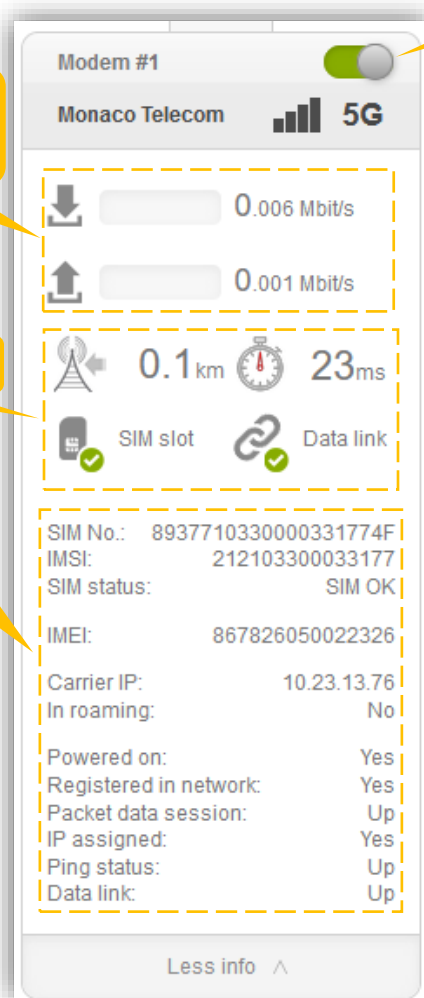


- **Number of active links** shows how many independent channels are used by the router to send your data
- **Mainboard temperatures** indicate CPU and BOARD temperatures – if green, there is nothing to worry about
- **Speed test button** runs single speed test between Meridian router and data center counterpart – first 15 seconds of download test, then 15 seconds of upload test.
- **Total download and upload speeds** show aggregated speed over all active links
- **Last hour peak download and upload speeds** show peak speeds reached by the router in the last hour. They depend, among other factors, on network load, radio conditions, and yacht's data demand.

- Hover over the router status indicator to see system uptime and current RAM and CPU load



2.4. Modem Information



Modem ON/OFF switch

- **0.1km** indicates distance travelled by the signal from the mobile carrier's cell tower to the modem's antenna
- **23ms** shows ping latency (round trip time)
- **IMEI** is a unique hardware identifier of the modem
- **SIM No.** is a unique identifier (ICCID) of the SIM card
- **Carrier IP** shows an IP address assigned to each modem by the mobile core network

3. Settings

3.1. Router Configuration

MAIN MENU -> SETTINGS -> ROUTER CONFIGURATION

Router configuration page allows to configure:

- Router-wide settings (LAN and Data center):
 - IP address and subnet mask for the primary, 'Eth0' Ethernet/LAN interface
 - Secondary 'Eth1' Ethernet/LAN interface IP and mask are not configurable. Use this interface for support / direct emergency access to the router.
 - Aggregation DC IP (not configurable), which is your IP address in case of link aggregation.
 - [Optional] Link aggregation or Load balancing modes of traffic routing.
 1. Link aggregation: traffic is split between modems on the router and combined back together in our Data Center. You are provided with static public IP in the region of choice (usually, UK or US).
 2. Load balancing: traffic is split between modems on the router, but no Data Center counterpart is involved. You are assigned multiple different dynamic IP addresses by network carrier.
 - [Optional] "Support link" toggle, available in Load balancing mode (enabled by default). Enables or disables remote connection for Meridian support engineers.

LAN settings

Eth0 IP addr/mask

Eth1 IP addr/mask

Data center settings

Aggregation DC IP

☒

Link aggregation mode

- Mobile carrier settings, per modem
 - Data mode: 3G only, 3G+4G, 3G+4G+5G, 4G only, 4G+5G
 - Carrier selection: Automatic or Manual
 - Manual selection: From list of preset carriers or from network scan results
 - In case of manual carrier selection from preset carriers, select the carrier to lock on from drop-down menu, containing the list of pre-defined mobile carriers per country.

- In case of manual carrier selection from network scan,
 1. Perform network scan using “New network scan” button on any of activated modems. Note: scan can take up to 5 minutes, and packet data would be disabled.
 2. Select carrier to lock on from drop-down menu, containing the list of mobile carriers available in your current location
 3. You can use network scan results from any modem (but actual carrier availability depends on the SIM card used)

The image shows a user interface for configuring four modems. Each modem has a 'Carrier configuration' section. Modem #1 is in 'Manual' mode, showing a 'Select network scan' dropdown (Modem #1 scan (0h:0m ago)) and a 'Select carrier' dropdown (4G| Monaco Telecom (21210, all)). A 'New network scan' button is at the bottom. Modem #2 is in 'Automatic' mode, showing 'From preset carriers' selected and a 'Select carrier' dropdown (Monaco: Monaco Telecom 10 (21)). Modem #3 and Modem #4 are also in 'Automatic' mode, showing 'Automatic' selected and a 'Select carrier' dropdown (4G+5G).

Network scan results example:

The image shows a dropdown menu for selecting a carrier from a network scan. The menu is titled 'From network scan' and shows a 'Select network scan' dropdown (Modem #4 scan (14d ago)). Below it is a 'Select carrier:' dropdown with a list of carriers. The first two entries are highlighted in blue: '3G| Orange (20801, allowed)' and '3G| Orange (20801, allowed)'. The rest of the list includes: '3G| SFR (20810, allowed)', '3G| Free (20815, allowed)', '3G| BYTEL (20820, allowed)', '3G| TIM (22201, allowed)', '4G| Orange (20801, allowed)', '4G| SFR (20810, allowed)', '4G| Free (20815, allowed)', '4G| 208 16 (20816, allowed)', '4G| BYTEL (20820, allowed)', '4G| ILIAD (22250, allowed)', '4G| I WIND (22288, allowed)', and '4G| 3 ITA (22299, allowed)'.

- 4G bands configuration, per modem
 - Use “All LTE bands” checkbox to enable all supported 4G-LTE bands on the modem.
 - Use “High bands (Europe)” and “Low bands (Europe)” to enable either only high frequency or only low frequency 4G-LTE bands used by European carriers.
 - Use “High bands (North America)” and “Low bands (North America)” to enable either only high frequency or only low frequency 4G-LTE bands used by North American and Caribbean carriers
 - Use corresponding checkboxes to enable only desired 4G-LTE bands manually.

The image displays four panels of the 4G bands configuration interface. Each panel is titled "4G bands configuration".

The first three panels show the "Show enabled 4G bands" view. Each panel contains the following checkboxes:

- ☐ All LTE bands
- ☒ High bands (Europe)
- ☒ Low bands (Europe)
- ☐ High bands (North America)
- ☐ Low bands (North America)

The fourth panel shows the "Hide enabled 4G bands" view. It contains the same checkboxes as the first three panels, plus a detailed list of specific 4G bands (B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B66, B71) with their respective frequency ranges. The checkboxes for these bands are as follows:

- ☒ B1 (2100)
- ☐ B2 (1900)
- ☒ B3 (1800)
- ☐ B4 (1700)
- ☐ B5 (850)
- ☒ B7 (2600)
- ☒ B8 (900)
- ☐ B12 (700)
- ☐ B13 (700)
- ☐ B14 (700)
- ☐ B17 (700)
- ☐ B18 (800)
- ☐ B19 (800)
- ☒ B20 (800)
- ☐ B25 (1900)
- ☐ B26 (850)
- ☒ B28 (700)
- ☐ B29 (700)
- ☐ B30 (2300)
- ☒ B32 (1500)
- ☐ B34 (2000)
- ☒ B38 (2600)
- ☐ B39 (1900)
- ☒ B40 (2300)
- ☐ B41 (2600)
- ☐ B42 (3500)
- ☐ B66 (2100)
- ☐ B71 (600)

- 5G bands configuration
 - 5G mode: “SA and NSA” enables operation in both 5G Standalone and 5G Non-standalone networks. “Disable SA” and “Disable NSA” turn off support for corresponding 5G network types.
 - Use “All 5G NR SA bands” checkbox to enable all supported 5G NR Standalone bands.
 - Use “All 5G NR NSA bands” checkbox to enable all supported 5G NR Non-standalone bands.
 - Use corresponding checkboxes to enable only desired 5G NR bands manually.

The image displays four sequential screenshots of the '5G bands configuration' interface, illustrating the process of enabling 5G bands. Each panel shows the '5G mode' set to 'SA and NSA' and the 'All 5G NR SA bands' and 'All 5G NR NSA bands' checkboxes checked. The '5G SA bands' and '5G NSA bands' sections list various 5G NR bands with their frequencies, each accompanied by a checkbox. In the first panel, all checkboxes are checked. In the second panel, the checkboxes for n1, n2, n3, n5, n7, n8, n12, n20, n25, and n28 are unchecked. In the third panel, the checkboxes for n1, n2, n3, n5, n7, n8, n12, n20, n25, and n28 are checked, while the others remain unchecked. In the fourth panel, all checkboxes are checked again. At the bottom of each panel is a 'Hide enabled 5G bands' button with an upward arrow icon.

- SIM settings, per modem
 - APN (Access Point Name) settings: Automatic or Manual.
 - In case of manual APN settings, enter APN, User and Password according to your SIM card provider. APN is required; User and Password are optional.
 - SIM unlock PIN. PIN should be 4 digits long.

The image displays four identical panels for SIM configuration, each representing a different modem. Each panel contains the following elements:

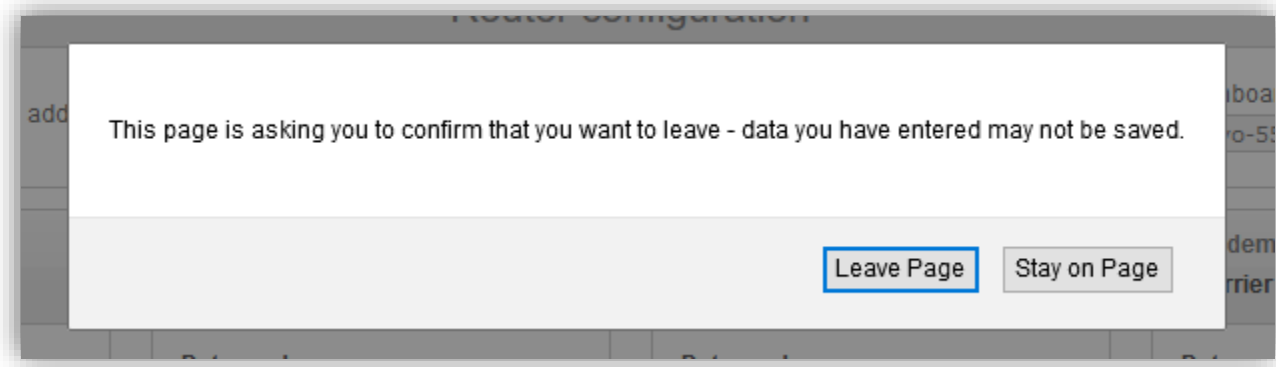
- SIM configuration** header.
- SIM slot**: A radio button and a SIM card icon.
- APN settings**: A toggle switch between **Manual** and **Automatic**.
 - In the first panel, **Manual** is selected. Below it are three input fields: **APN** (containing 'orange'), **User**, and **Password**.
 - In the other three panels, **Automatic** is selected.
- SIM unlock**: A label and a PIN input field.

- Signal threshold, per modem
 - Use slider to select minimal signal strength level. If cellular signal is below selected level, modem will disconnect and stay offline, until signal rises back above the threshold.
 - Thresholds for 4G (RSRP): -140dBm, -130dBm, -120dBm, -110dBm, -100dBm, -90dBm
 - Thresholds for 3G (RSCP): -120dBm, -110dBm, -100dBm, -90dBm, -80dBm, -70dBm

The image displays four identical panels for signal threshold configuration, each representing a different modem. Each panel contains the following elements:

- Signal threshold** header.
- Set acceptable level**: A horizontal slider with a green dot indicating the selected threshold level.
- Signal strength indicator**: A small icon showing four vertical bars of increasing height, representing signal strength.

- Click “Apply” or “Apply and return” in order to save changes. A warning will be displayed when leaving the Router configuration page with unsaved changes.

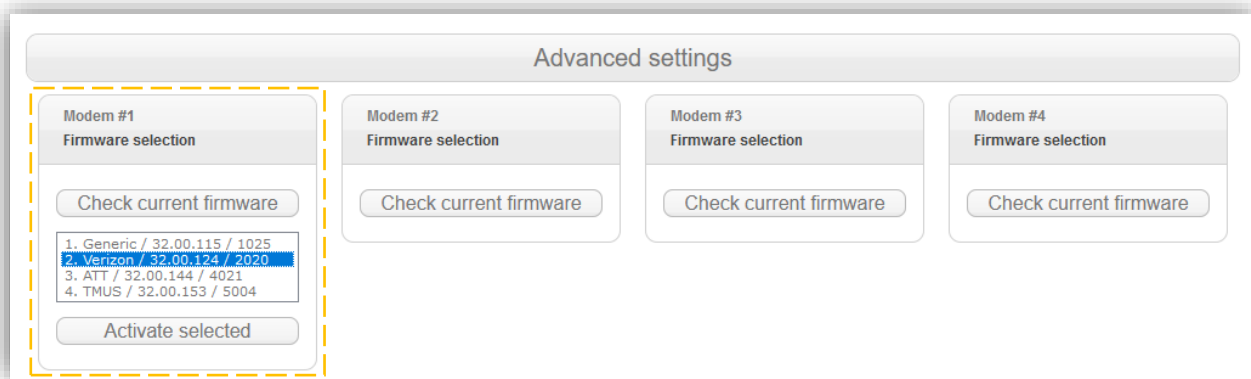


3.2. Advanced Settings

MAIN MENU -> SETTINGS -> ADVANCED

[Optional, depends on specific hardware version] Advanced settings page allows to:

- Switch between different firmware versions, per modem
 - Required only when using US carriers: Verizon, AT&T or T-Mobile USA
 - Use only when instructed by our support team



3.3 User interface manual

MAIN MENU -> SETTINGS -> USER INTERFACE MANUAL

Access to this manual.

4. Reports

4.1. Daily Traffic Reports

MAIN MENU -> REPORTS -> DAILY TRAFFIC REPORTS

Daily traffic reports page provides information about daily traffic usage, in GBytes. Usually, you will see 4 reports per day (one report per SIM card). Daily reports are generated each night.

It is possible to filter records by SIM No. and by the time period of interest.

You can also create .csv file with filtered records ('Export as csv')

Daily traffic reports

Filters:	ALL SIM No. ▼	Apply	From	1.05.2021	To	1.06.2021	Reset	Apply	Export as csv
Date	SIM No.	GBytes sent	GBytes received	GBytes total					
TOTAL		20.73	196.32	217.04					
May 31, 2021	89441000304178836025	0.69	10.47	11.16					
May 31, 2021	89441000304178835985	0.81	19.13	19.94					
May 30, 2021	89441000304178836025	1.02	1.25	2.27					
May 30, 2021	89441000304178835985	1.16	1.16	2.31					
May 29, 2021	89441000304178836025	0.34	2.29	2.63					
May 29, 2021	89441000304178835985	0.66	10.49	11.15					
May 28, 2021	89441000304178836025	0.42	8.61	9.02					
May 28, 2021	89441000304178835985	0.48	8.59	9.07					
May 27, 2021	89441000304178836025	0.24	1.71	1.96					
May 27, 2021	89441000304178835985	0.25	2.33	2.59					
May 26, 2021	89441000304178836025	0.2	2.65	2.85					
May 26, 2021	89441000304178835985	0.28	3.95	4.23					
May 25, 2021	89441000304178836025	0.14	1.07	1.21					
May 25, 2021	89441000304178835985	0.26	6.85	7.11					

4.2. Detailed Traffic Reports

MAIN MENU -> REPORTS -> DETAILED TRAFFIC REPORTS

Daily traffic reports page provides detailed, per-minute information about traffic usage, in MBytes.

It is possible to filter records by SIM No. and by the time period of interest.

You can also create .csv file with filtered records ('Export as csv')

Detailed traffic reports

Filters: [Apply](#) From To [Reset](#) [Apply](#) [Export as csv](#)

Created	SIM No.	Modem	Carrier	MBytes sent	MBytes received	MBytes total
TOTAL since 2021-06-01 00:00:46				593.24	2,417.2	3,010.44
June 1, 2021, 11:59 p.m.	89441000304178835985	Modem #4	SFR	0.19	0.23	0.42
June 1, 2021, 11:58 p.m.	89441000304178835985	Modem #4	SFR	0.24	0.23	0.47
June 1, 2021, 11:57 p.m.	89441000304178835985	Modem #4	SFR	0.16	0.33	0.49
June 1, 2021, 11:56 p.m.	89441000304178835985	Modem #4	SFR	1.14	3.13	4.26
June 1, 2021, 11:55 p.m.	89441000304178835985	Modem #4	SFR	0.11	0.57	0.69
June 1, 2021, 11:54 p.m.	89441000304178835985	Modem #4	SFR	0.3	0.38	0.68
June 1, 2021, 11:53 p.m.	89441000304178835985	Modem #4	SFR	0.2	0.33	0.54
June 1, 2021, 11:52 p.m.	89441000304178835985	Modem #4	SFR	0.21	0.59	0.81
June 1, 2021, 11:51 p.m.	89441000304178835985	Modem #4	SFR	0.14	0.69	0.83
June 1, 2021, 11:50 p.m.	89441000304178835985	Modem #4	SFR	0.23	0.66	0.89
June 1, 2021, 11:49 p.m.	89441000304178835985	Modem #4	SFR	0.2	0.42	0.62
June 1, 2021, 11:48 p.m.	89441000304178835985	Modem #4	SFR	0.28	0.27	0.55
June 1, 2021, 11:47 p.m.	89441000304178835985	Modem #4	SFR	0.15	0.75	0.9
June 1, 2021, 11:46 p.m.	89441000304178835985	Modem #4	SFR	0.23	0.68	0.91
June 1, 2021, 11:45 p.m.	89441000304178835985	Modem #4	SFR	0.14	0.45	0.59

4.3. Network Status

MAIN MENU -> REPORTS -> NETWORK STATUS

Presents detailed technical information about the cellular network configuration and conditions.

- **Connectivity and RF** contains data about channel radio conditions (signal strength and quality) and connectivity (ping, MTU, VPN). Different sets of data are available for 3G, 4G and 5G networks.
- **4G Carriers** contains data about LTE CA configuration (up to 5CA). Available only on 4G.

Network status			
Modem #1 Connectivity and RF	Modem #2 Connectivity and RF	Modem #3 Connectivity and RF	Modem #4 Connectivity and RF
Ping RTT 21.1 ms WDS MTU 1500 VPN up true Distance to cell -- 4G RSSI -41 dBm 4G RSRP -79 dBm 4G RSRQ -19 dB 4G SNR -1.4 dB 5G RSRP -85 dBm 5G RSRQ -12 dB 5G SNR -11.5 dB Rx0 Rx power -54.1 dBm Rx1 Rx power -52.2 dBm Rx0 4G RSRP -84.2 dBm Rx1 4G RSRP -82 dBm DL modulation QPSK UL modulation -- Tx traffic on 1 Tx power -- dBm	Ping RTT 33.3 ms WDS MTU 1500 VPN up true Distance to cell -- 4G RSSI -45 dBm 4G RSRP -83 dBm 4G RSRQ -20 dB 4G SNR -3.2 dB 5G RSRP -84 dBm 5G RSRQ -13 dB 5G SNR -9.5 dB Rx0 Rx power -47.9 dBm Rx1 Rx power -48.6 dBm Rx0 4G RSRP -83.3 dBm Rx1 4G RSRP -81.3 dBm DL modulation QPSK UL modulation QPSK Tx traffic on 1 Tx power 4 dBm	Ping RTT -- ms WDS MTU 1500 VPN up false Distance to cell -- 4G RSSI -55 dBm 4G RSRP -86 dBm 4G RSRQ -12 dB 4G SNR 5.2 dB Rx0 Rx power -57.2 dBm Rx1 Rx power -59.7 dBm Rx0 4G RSRP -85.3 dBm Rx1 4G RSRP -89.8 dBm DL modulation QPSK UL modulation 16QAM Tx traffic on 1 Tx power 1 dBm	Ping RTT 29.4 ms WDS MTU 1500 VPN up true Distance to cell -- 4G RSSI -46 dBm 4G RSRP -73 dBm 4G RSRQ -14 dB 4G SNR 6 dB 5G RSRP -77 dBm 5G RSRQ -11 dB 5G SNR -16 dB Rx0 Rx power -49.3 dBm Rx1 Rx power -44.3 dBm Rx0 4G RSRP -81.1 dBm Rx1 4G RSRP -75.4 dBm DL modulation 16QAM UL modulation -- Tx traffic on 1 Tx power -5 dBm
4G Carriers	4G Carriers	4G Carriers	4G Carriers
-----PCC----- PCC band B3 (1800MHz) PCC EARFCN 1676 PCC bandwidth 15 MHz PCC PCI 166 PCC RSRP -- dBm PCC RSSI -- dBm PCC RSRQ -- dB PCC SINR -- dB -----SCC0----- SCC0 band B7 (2600MHz) SCC0 EARFCN 3350 SCC0 bandwidth 20 MHz SCC0 PCI 166 SCC0 state CONFIGURED SCC0 RSRP -- dBm SCC0 RSSI -- dBm SCC0 RSRQ -- dB SCC0 SINR -- dB	-----PCC----- PCC band B3 (1800MHz) PCC EARFCN 1676 PCC bandwidth 15 MHz PCC PCI 166 PCC RSRP -- dBm PCC RSSI -- dBm PCC RSRQ -- dB PCC SINR -- dB -----SCC0----- SCC0 band B7 (2600MHz) SCC0 EARFCN 3350 SCC0 bandwidth 20 MHz SCC0 PCI 166 SCC0 state CONFIGURED SCC0 RSRP -- dBm SCC0 RSSI -- dBm SCC0 RSRQ -- dB SCC0 SINR -- dB	-----PCC----- PCC band B3 (1800MHz) PCC EARFCN 1300 PCC bandwidth 20 MHz PCC PCI 167 PCC RSRP -- dBm PCC RSSI -- dBm PCC RSRQ -- dB PCC SINR -- dB -----SCC0----- SCC0 band B7 (2600MHz) SCC0 EARFCN 2825 SCC0 bandwidth 15 MHz SCC0 PCI 167 SCC0 state CONFIGURED SCC0 RSRP -- dBm SCC0 RSSI -- dBm SCC0 RSRQ -- dB SCC0 SINR -- dB	-----PCC----- PCC band B3 (1800MHz) PCC EARFCN 1676 PCC bandwidth 15 MHz PCC PCI 166 PCC RSRP -- dBm PCC RSSI -- dBm PCC RSRQ -- dB PCC SINR -- dB -----SCC0----- SCC0 band B7 (2600MHz) SCC0 EARFCN 3350 SCC0 bandwidth 20 MHz SCC0 PCI 166 SCC0 state CONFIGURED SCC0 RSRP -- dBm SCC0 RSSI -- dBm SCC0 RSRQ -- dB SCC0 SINR -- dB
More carriers ▾	More carriers ▾	More carriers ▾	More carriers ▾

- **Cell info** shows information about network registration and cell tower in use.

Cell info		Cell info		Cell info		Cell info	
Radio	RADIO_IF_LTE	Radio	RADIO_IF_LTE	Radio	RADIO_IF_LTE	Radio	RADIO_IF_LTE
Registration	REGISTERED	Registration	REGISTERED	Registration	REGISTERED	Registration	REGISTERED
CS attach state	CS_ATTACHED	CS attach state	CS_ATTACHED	CS attach state	CS_ATTACHED	CS attach state	CS_ATTACHED
PS attach state	PS_ATTACHED	PS attach state	PS_ATTACHED	PS attach state	PS_ATTACHED	PS attach state	PS_ATTACHED
Roaming	ROAMING_IND_OFF	Roaming	ROAMING_IND_OFF	Roaming	ROAMING_IND_OFF	Roaming	ROAMING_IND_OFF
MCC	212	MCC	212	MCC	212	MCC	212
MNC	10	MNC	10	MNC	10	MNC	10
Network	Monaco Telecom	Network	Monaco Telecom	Network	Monaco Telecom	Network	Monaco Telecom
Cell ID	37D1	Cell ID	37D1	Cell ID	37E7	Cell ID	37D1
LAC/TAC	313B	LAC/TAC	313B	LAC/TAC	313B	LAC/TAC	313B
Operating mode	ONLINE	Operating mode	ONLINE	Operating mode	ONLINE	Operating mode	ONLINE

4.4 Charts

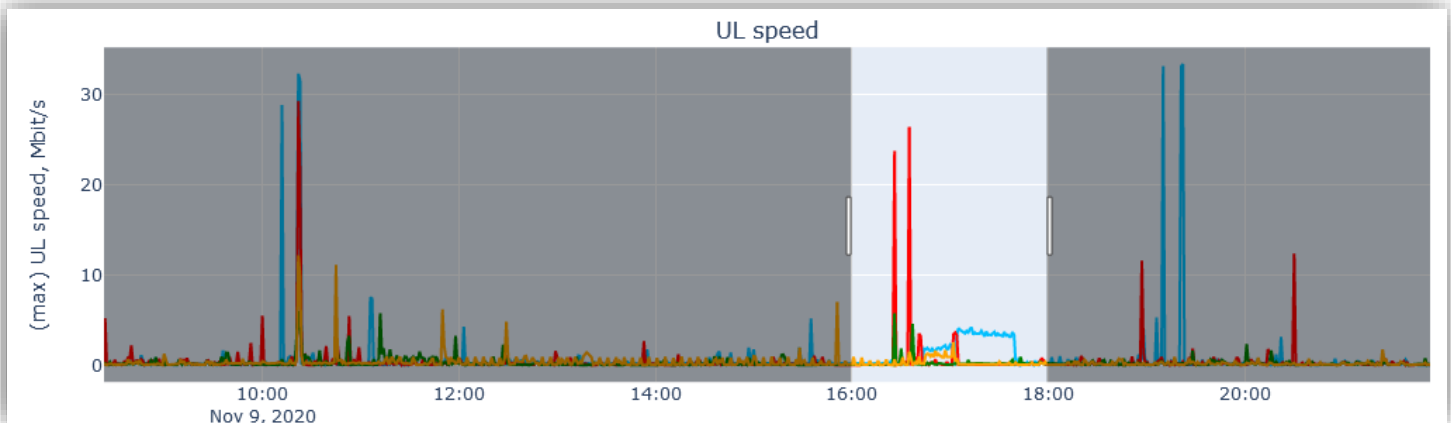
MAIN MENU -> REPORTS -> CHARTS

- Presents historical records on key performance metrics such as Download speed, Upload speed, Distance to cell and Latency.
- It is possible to filter and show only target dates range. Hover over charts to get detailed data point information; select time periods to zoom in for more fine-grained information; double-click to zoom back out.

Download and Upload speed charts:



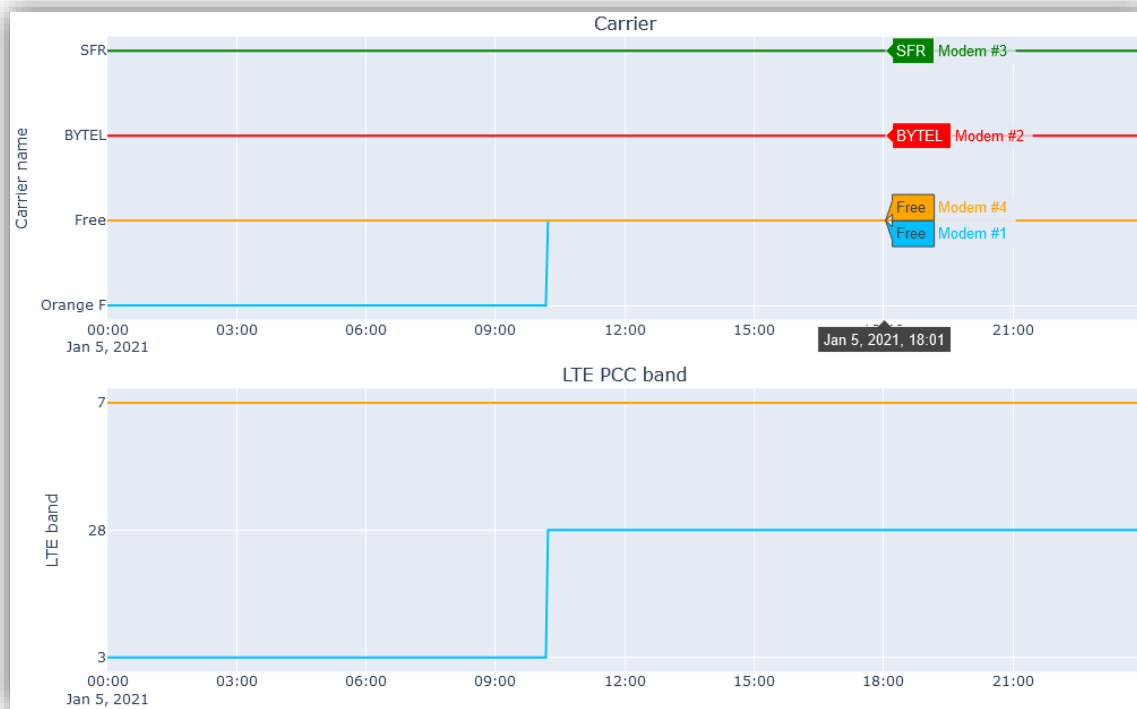
Zooming in to desired time period:



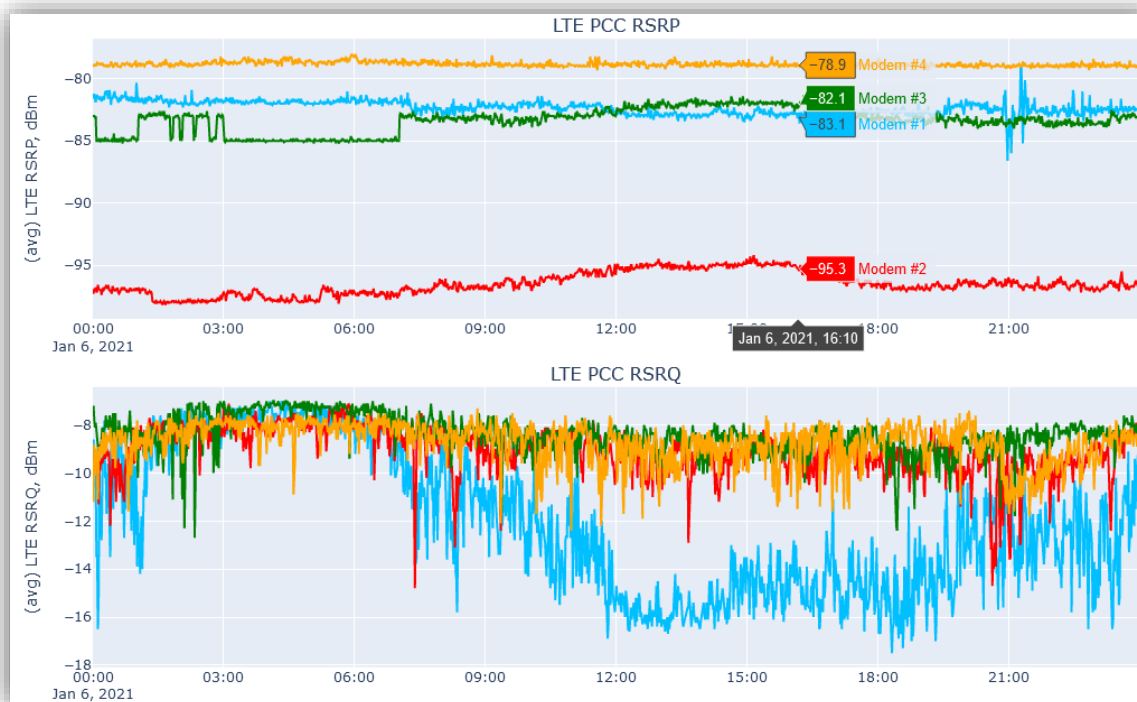
Distance to cell and Latency charts:



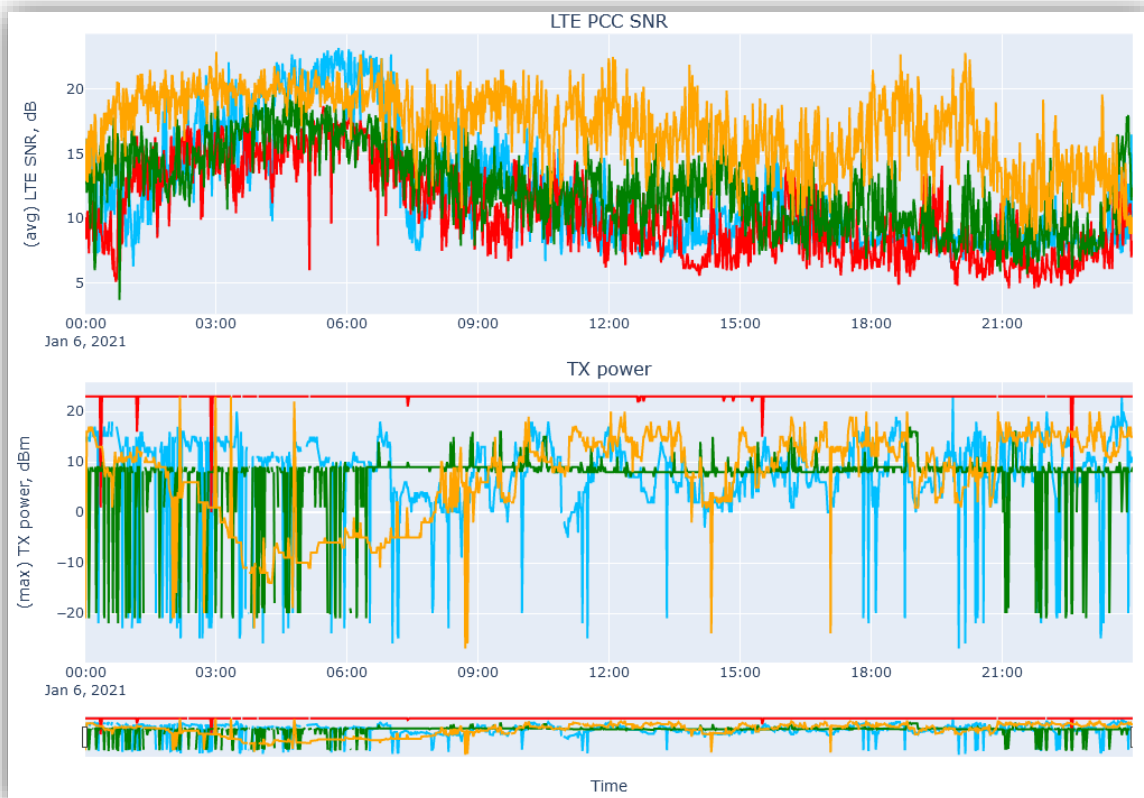
Charts of detailed network metrics – carrier name, LTE PCC band:



LTE PCC RSRP and RSRQ:



LTE PCC SNR and modem Tx power:



5. SIM Cards

5.1. SIM Cards

MAIN MENU -> SIM CARDS -> SIM CARDS

Contains the list of SIM cards ever used together with the device, and highlights which ones are currently in use.

You can enable and disable SMS service on a per-SIM basis. By default, SMS service is ENABLED for all newly inserted SIM cards.

Each SIM can be assigned to a “Data plan” (see 5.2 *Data plans*), which helps to monitor data traffic usage, warn user when reaching “warning level” and disable data traffic on SIM when exceeding “data limit”.

SIM cards								
Action: ----- ▼		Apply 0 of 4 selected						
<input type="checkbox"/>	SIM No.	IMSI	SMS on	Data plan	Data usage	Warning level	Data limit	Warnings
<input type="checkbox"/>	89852350120000044255 (modem #4)	240075817286488	✖	Carrier B	6.32 GB	20.0 GB		
<input type="checkbox"/>	89852350120000044263 (modem #2)	240075817286489	✖	Carrier A	25.43 GB (46.95 total)	40.0 GB	100.0 GB	Warning level exceeded!
<input type="checkbox"/>	89852350120000044271 (modem #3)	240075817286490	✖	Carrier B	9.36 GB	20.0 GB		
<input type="checkbox"/>	89852350120000044289 (modem #1)	240075817286491	✖	Carrier A	21.53 GB (46.95 total)	40.0 GB	100.0 GB	Warning level exceeded!
<div> < > </div>								
4 SIMs								

5.2. Data plans

MAIN MENU -> SIM CARDS -> DATA PLANS

Data plans can be created by users to help them monitor and control data traffic consumption per SIM/device.

Each data plan has the following options:

- Plan is “shared” if its data allowance is split between all assigned SIM cards
 - Example: Data plan “Carrier A” has data usage limit of 100GB and 2 SIM cards assigned. When total data consumption for both assigned SIM cards over billing period exceeds this limit, data will be disabled for both SIM cards.
- Billing period start
 - Either every n -th day of each month
 - Or every n days, starting on specific date
- Data usage warning level: after reaching this threshold, warning is displayed in user interface
- Data usage limit (can be enabled/disabled): after reaching this threshold, data is disabled for SIM cards using this plan.

Data plans

Add new
Delete selected

Carrier A
Carrier B

Settings

Name Carrier A

Shared plan ☒ data allowance split between SIM cards

Billing period start

☒ Day 1 of each month

☐ Every 30 days starting 07.05.2020

Data usage warning level 40.0 GB

Apply data usage limit ☒

Data usage limit 100.0 GB

Assigned SIM cards

Add new
Delete selected

89852350120000044263 (modem #2)
89852350120000044289 (modem #1)

Apply
Apply and return
Cancel

5.3. APN Library

MAIN MENU -> SIM CARDS -> APN LIBRARY

APN library contains APN, Username and Password data for a number of mobile carriers.

If you use 'Automatic' APN setting in 'Router Configuration' menu, APN is taken from the APN library.

Make changes to APN records only if instructed by our support team.

APN library

Action: Apply 0 of 31 selected

<input type="checkbox"/>	Country 1 ▲	Provider 2 ▲	MCC-MNC	APN	Username	Password
<input type="checkbox"/>	Antigua and Barbuda	Digicel Antigua	344930	web.digicelantigua.com		
<input type="checkbox"/>	Antigua and Barbuda	Flow Antigua	344920	ppinternet		
<input type="checkbox"/>	Bahamas	Aliv	364490	pda.newcomobile.com		
<input type="checkbox"/>	Bahamas	BTC	364390	internet.btcbahamas.com		
<input type="checkbox"/>	France	Orange FR / M4G	20801	wbdata		
<input type="checkbox"/>	France	SFR FR	20810	websfr		
<input type="checkbox"/>	French West Indies	Digicel FWI	340200	web.digicelfr.com		
<input type="checkbox"/>	Germany	Deutsche Telekom (T-Mobile)	26201	internet.telekom	tm	tm
<input type="checkbox"/>	Germany	O2 (Alice)	26207	internet.partner1		
<input type="checkbox"/>	Germany	Vodafone DE	26202	web.vodafone.de		
<input type="checkbox"/>	Greece	Cosmote	20201	internet		
<input type="checkbox"/>	Greece	Vodafone GR	20205	internet.vodafone.gr		
<input type="checkbox"/>	Italy	TIM IT	22201	ibox.tim.it		
<input type="checkbox"/>	Jamaica	Digicel Jamaica	338050	web.digiceljamaica.com		

5.4. Add New APN

MAIN MENU -> SIM CARDS -> ADD NEW APN

Allows to add new APN record to the APN library. Use only when instructed by our support team.

Add new APN

MCC-MNC:	<input type="text"/>
Provider:	<input type="text"/>
Country:	<input type="text"/>
APN:	<input type="text"/>
Username:	<input type="text"/>
Password:	<input type="text"/>

6. SMS

6.1. Received SMS

MAIN MENU -> SMS -> RECEIVED SMS

Shows incoming SMS messages: to which SIM No, when, from whom they came and message text.

Received SMS					
Action: ----- Apply		0 of 8 selected			
<input type="checkbox"/>	SIM No.	Date	From	Message	Unread
<input type="checkbox"/>	89331015200727946453 (modem#2)	Oct. 12, 2020, 10:50 a.m.	FONCIA	LE MADRID LA CHAUDIERE VA ETRE MISE EN ROUTE. IL EST RAPPELE ...	✓
<input type="checkbox"/>	89331015200727946453 (modem#2)	Sept. 28, 2020, 6 p.m.	PEUGEOT	PEUGEOT DREUX - Utilitaire, hybride et électrique, notre gamme busines...	✗
<input type="checkbox"/>	89331015200727946453 (modem#2)	Sept. 28, 2020, 4:36 p.m.	8860	MBOXUPDATE	✗
<input type="checkbox"/>	89331015200727946453 (modem#2)	Sept. 25, 2020, 1:33 p.m.	8860	MBOXUPDATE	✗
<input type="checkbox"/>	89331015200727946453 (modem#2)	Sept. 22, 2020, 10:51 a.m.	3300	confiance.	✓
<input type="checkbox"/>	89331015200727946453 (modem#2)	Sept. 22, 2020, 10:51 a.m.	3300	ine de cette demande, contactez rapidement le 1023. Merci de votre	✓
<input type="checkbox"/>	89331015200727946453 (modem#2)	Sept. 22, 2020, 10:51 a.m.	3300	dans l'espace SFR DISTRIBUTION Menton. Si vous n'êtes pas à l'orig	✓
<input type="checkbox"/>	89331015200727946453 (modem#2)	Sept. 22, 2020, 10:51 a.m.	3300	Info SFR : Une demande d'activation d'une nouvelle SIM est en cours	✓
8 Received SMS					

6.2. Sent SMS

MAIN MENU -> SMS -> SENT SMS

Shows outgoing SMS messages.

6.3. Send New SMS

MAIN MENU -> SMS -> SENT SMS

Allows to send new SMS message.

Send new SMS	
SIM No.	89331015200727946453 (modem#2)
From which SIM to send SMS	
To:	+1234567890
International format starting with country code, e.g. +12345678900	
Message:	Hello, world!
Status:	Not yet sent
Date:	-
Send	

7. Reboot, Shutdown, Logout

MAIN MENU -> 

Reboots or shuts down the router.

