

TRB140 Mobile

[Main Page](#) > [TRB Gateways](#) > [TRB140](#) > [TRB140 Manual](#) > [TRB140 WebUI](#) > [TRB140 Network section](#) > **TRB140 Mobile**

The information in this page is updated in accordance with firmware version [TRB1_R_00.07.04.5](#).

□

Contents

- [1 Summary](#)
- [2 General](#)
 - [2.1 SIM card settings](#)
 - [2.2 Low signal reconnect](#)
 - [2.3 Operator settings](#)
 - [2.4 SMS limit settings](#)
 - [2.5 USSD](#)
- [3 Network operators](#)
 - [3.1 Manual operator selection](#)
 - [3.2 Operators list](#)
- [4 APN Database](#)
 - [4.1 Adding new APN](#)

Summary

The **Mobile** page is used to configure mobile connection settings.

This manual page provides an overview of the Mobile page in TRB140 devices.

If you're having trouble finding this page or some of the parameters described here on your device's WebUI, you should **turn on "Advanced WebUI" mode**. You can do that by clicking the "Basic" button under "Mode", which is located at the top-right corner of the WebUI.

General

The **General** section is used to configure SIM card parameters that define how the device will establish a mobile connection.

SIM card settings

The **SIM Card Settings** section is used to configure main SIM card parameters. Refer to the figure and table below for information on the fields contained in that section.

SIM CARD SETTINGS

The screenshot shows the SIM Card Settings interface with the following elements:

- Deny data roaming:** A toggle switch currently set to 'off'.
- VoLTE:** A dropdown menu set to 'Auto'.
- Network type:** A dropdown menu set to 'Auto'.
- PIN:** An empty text input field.
- Band selection:** A dropdown menu set to 'Auto'.

Field	Value	Description
Deny data roaming	off on; default: off	Denies data connection on roaming conditions.
VoLTE	Auto On Off; default: Auto	Enables Voice over LTE, a digital packet technology that uses 4G LTE networks to route voice traffic and transmit data.
Network type	Auto 4G (LTE) only 3G only 2G only 4G + 3G 4G + 2G; default: Auto	Network connection type preference.
PIN	integer [0000..99999999]; default: none	SIM card's PIN (Personal Identification Number) is a secret numeric password used to authenticate the device to the SIM card. PIN codes are comprised of numbers only and the length can range from 4 to 8 symbols. PIN number is saved in flash memory therefore it does not reset when default settings are restored.

Low signal reconnect

The **Low signal reconnect** section is used to configure modem operator connection resetting based on signal strength .



Field	Value	Description
Enable	off on; default: off	Enables Low signal reconnect.
Reset threshold	integer [-120..-50]; default: none	Signal threshold in dB for the connection. When signal is under this value modem resets connection.
Reset timeout	integer [15..65535]; default: 600	Time for the device to wait in seconds before trying to reset the connection again.

Operator settings

The **Operator Settings** section is used to configure which operators can be allowed (Whitelist) or blocked (Blacklist).

^ OPERATOR SETTINGS

Enable off on

Mode

Operator list

Field	Value	Description
Enable	off on; default: off	Enables Whitelist or Blacklist for specified operator list.
Mode	Whitelist Blacklist; default: Whitelist	Mode to be applied for operator list. <ul style="list-style-type: none">• Whitelist - only allow operators in list• Blacklist - block all operators in list
Operator list	operator list; default: none	A list of operators which can be configured in Operators List page .

SMS limit settings

The **SMS Limit Settings** section provides you with the possibility to set up a maximum sent SMS message cap for your SIM card.

∨ SMS LIMIT SETTINGS

Enable SMS limit off on

SMS limit count

Period

Start hour

Field	Value	Description
Enable SMS Limit	off on; default: off	Turns SMS limiting on or off.
SMS limit count	integer; default: none	Sets the SMS sending cap, i.e., how many SMS messages can be sent from this SIM card during the specified period.
Period	Day Week Month; default: Day	Period for which SMS limiting should apply. After the period expires, the SMS limit counter will be reset.
Start hour/day	0-23 / Monday - Sunday / 0-31; default: 0	Starting hour of the day / day of the week / day of the month for SMS limiting period.
Clear SMS Limit	- (interactive button)	Clears the SMS limit counter for the selected period.

USSD

Unstructured Supplementary Service Data (USSD) is communication protocol used in communication between cellular devices and mobile network operators. It is usually used with prepaid SIM cards to enable/disable certain services or to obtain information from a network

operator.

This section provides the possibility to send USSD messages to the mobile operator.

^ USSD

USSD

Response message

No response yet

*It can take up to a minute for a USSD response to be received.

Field	Value	Description
USSD	string; default: none	Enter a USSD code (up to 182 character) that you wish to send. To send the entered USSD code, click the 'Send' button below the Response box.
Response message	string; default: No response yet	Displays the response to the last sent USSD message. Receiving the response may take up to a minute.
Send	- (interactive button)	Click to send the message entered in the USSD field.

Network operators

The **Network operators** section provides you with the possibility to scan for and manage mobile network operators to which the device's SIM card can connect to.

∨ OPERATORS SCAN SETTINGS

Current operator N/A

Connection mode

Field	Value	Description
Current operator	string; default: none	Displays the name of the operator the which the device is currently connected.

Connection mode Auto | Manual | Manual-Auto; default: **Auto**

Operator selection method.

- **Auto** - selects the operator automatically.
- **Manual** - requires you to select the operator manually. (More on this selection [below](#).)
- **Manual-Auto** - prompts you to enter an operator's code, but if the router can't complete the connection, it will automatically connect to the next available operator.

Manual operator selection

To select an operator manually, specify **Connection mode: *Manual*** and click '**Scan For Operators**'.

▼ OPERATORS SCAN SETTINGS

Current operator N/A

Connection mode

Currently selected operator code N/A

Will be prompted with a pop-up asking if you're sure. Click 'Scan' if you wish to proceed.



Wait for the scan to finish. As indicated by the onscreen message, the process can take up to 3 minutes.



Once the scan has finished, you will see the results in the 'Available operators'.

▼ AVAILABLE OPERATORS



Status	Operator Name	Short Name	Numeric Name	Network Type
Available	Telia LT	Telia LT	24601	4G
Forbidden	Tele2 LT	Tele2 LT	24603	3G/4G
Forbidden	LT BITE GSM	BITE	24602	3G/4G
Available	246 08	246 08	24608	4G

In order to lock the SIM card to using a single operator, select operator from Operator code field and click 'Save & Apply'.

Operators list


This section is used to create lists of operators codes, which can then be used in [Operator settings section](#) to Whitelist or Blacklist them. Operator code consists of two parts - Mobile Country Code (MCC) and Mobile Network Code (MNC).

^ OPERATORS LISTS MANAGEMENT

OPERATORS LIST NAME	OPERATORS CODE	
example	24601, 24602	 

^ ADD LIST

NAME

By clicking Edit  on a list you will be redirected to editing page in which you can enter operator codes for that list.

^ MODIFY OPERATORS LIST: EXAMPLE

Operator code 





















 

APN Database

APN stands for Access Point Name and allows a device's network to connect to the internet. With the APN settings in place, your device builds a connection to a carrier's gateway. APN Database page section provides you with possibility to create/edit/delete APN records.

APN DATABASE

Entries per page

CARRIER NAME	MOBILE COUNTRY CODE	MOBILE NETWORK CODE	ACCESS POINT NAME	PDP TYPE	AUTHENTICATION TYPE	
AT&T PHONE TEST SIM	001	01	phone	IPv4/IPv6	None	 
TEST DEFAULT V4	001	01	default	IPv4	None	 
TEST DEFAULT V6	001	01	defaultv6	IPv6	None	 
TEST DEFAULT V4V6	001	01	defaultv4v6	IPv4/IPv6	None	 
TEST DEFAULT PAP	001	01	defaultpap	IPv4/IPv6	PAP	 
TEST DEFAULT CHAP	001	01	defaultchap	IPv4/IPv6	CHAP	 
Test Internet	001	010	VZWINTERNET	IPv4/IPv6	None	 
Cosmote Wireless Internet	202	01	internet	IPv4/IPv6	None	 
Vf Mobile Internet	202	05	internet.vodafone.gr	IPv4/IPv6	None	 
Q Internet	202	09	myq	IPv4/IPv6	None	 

« < 1 2 3 4 5 ... 222 > »

Adding new APN

In order to create new APN to database, insert required information and click Add button.

ADD NEW ENTRY

CARRIER NAME	MOBILE COUNTRY CODE	MOBILE NETWORK CODE	ACCESS POINT NAME	<input type="button" value="ADD"/>
<input type="text" value="example"/>	<input type="text" value="000"/>	<input type="text" value="00"/>	<input type="text" value="test"/>	

APN DATABASE ENTRY CONFIGURATION

Carrier name	<input type="text" value="example"/>
Mobile Country Code	<input type="text" value="000"/>
Mobile Network Code	<input type="text" value="00"/>
APN	<input type="text" value="test"/>
PDP type	<input type="text" value="IPv4/IPv6"/>
Authentication type	<input type="text" value="None"/>

Field	Value	Description
Carrier name	default: empty	Carrier name - name of a company that sells wireless connectivity to customers for cellphone data and telephone calls. It may also be called a mobile network operator, a mobile carrier, cellular company or wireless service provider.

Mobile Country Code	default: empty	Mobile Country Code (MCC) - a mobile code consisting of three digits used to identify GSM networks. MCC is also used along with the International Mobile Subscriber Identity (IMSI) to identify the region from which mobile subscriber belongs.
Mobile Network Code	default: empty	Mobile Network Code (MNC) - a unique two- or three-digit number used to identify a home Public Land Mobile Network (PLMN) to. MNC is allocated by the national regulator.
APN	default: empty	APN (Access Point Name) is configurable network identifier used by a mobile device when connecting to a carrier
PDP type	IPv4/IPv6 IPv4 IPv6; default: IPv4/IPv6	Specifies what type of address is requested from the operator
Authentication type	none PAP CHAP ; default: none	Authentication method that your GSM carrier uses to authenticate new connections on it's network
Username	default: empty	Your username that you would use to connect to your GSM carrier's network
Password	default: empty	Your password that you would use to connect to your GSM carrier's network