



SimpliLinux

Internet Sharing via USB

Sharing Internet with SMX-RNS via USB Cable

07/2020
man-en-usb-phone-tethering.docx
Version 1.1

Legal Notices

Warning Notice System

This document contains alerts and information indications for the safety of you and your devices. The symbols and meanings used to draw your attention to these notifications are listed below.



Danger: Indicates that death or severe personal injury will result if proper precautions are not taken.



Warning: Indicates that death or severe personal injury may result if proper precautions are not taken.



Info: Indicates advice or **information**.

Qualified Personnel

It is assumed that what is described in this document will be applied by qualified personnel for the specific task.

Disclaimer

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency.

The information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

Change List (Change Log)

Version	Date	Description
V1.0	07/2020	Draft
V1.1	07/2020	Typos

Preface

Purpose of the Document

The document contains information about the following topics;

- ◆ USB Connection of SMX-RNS Module via mobile phone
- ◆ Providing Internet via USB from Android phone to SMX-RNS
- ◆ Providing Internet via USB from iOS phone to SMX-RNS

Required Level of Knowledge

In order to fully understand and apply this document, it is necessary to have knowledge of IT, Automation and Electricity.

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1. Required Hardware and Software

The hardware that is needed to use this guide is listed below.

Hardware

- ◆ 1 x SMX-RNS02 Module
- ◆ 1 x Android or iOS Mobile Phone
- ◆ 1 x Mobile Phone-Appropriate Charging/Data Cable

2. Preparing Hardware

2.1. USB Connection of SMX-RNS Module via Phone

The SMX-RNS02 module has 2 USB slots. Plug the USB end of charging/data cable into the SMX-RNS02 module's USB slot and CONNECT the other end to your mobile phone.

2.2. Electrical Connection of SMX-RNS02 Module

The SMX-RNS02 module has one terminal group. The terminal group is called X1. The X1 terminal group has 3 terminals. They are in order as follows;

X1		
+	-	GND

Connect your power supply's output to the appropriate terminals (+), (-) and GND.



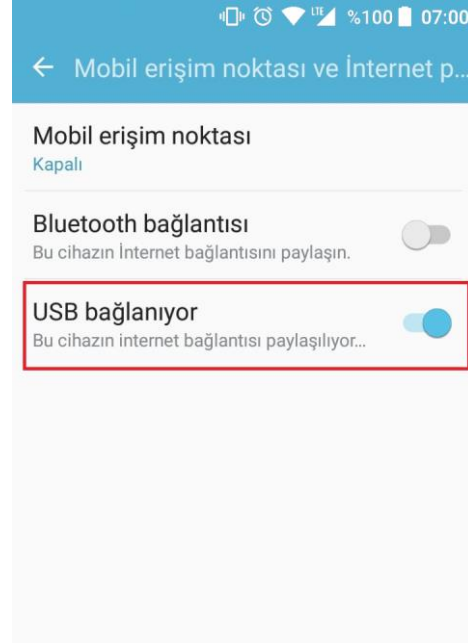
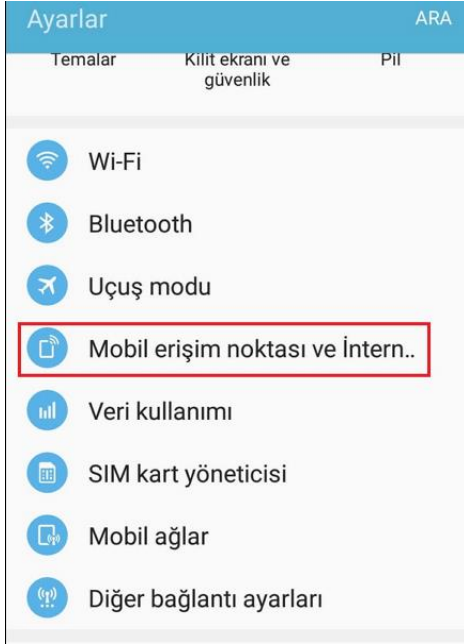
There are 2 USB connections on the SMX-RNS02. The USB connection requires the (-) and GND terminals to be short circuit as a design concept. For this reason, GND and (-) terminals on SMX-RNS02 are shorted.



Faulty or incomplete connection may damage you, those around you, or devices. See the relevant documents and electrical drawings for detailed information.

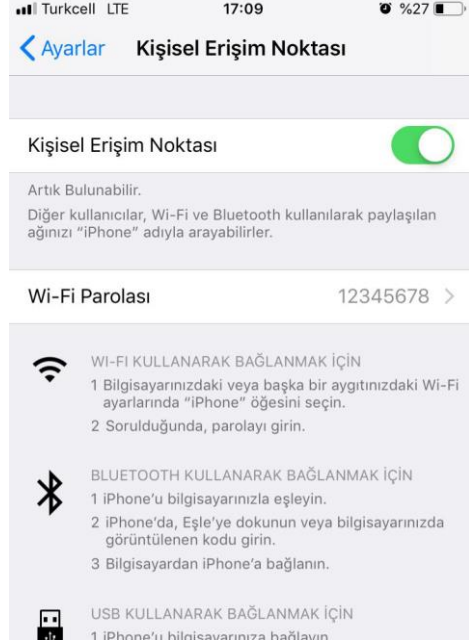
3. Providing Internet via USB from Android Phone to SMX-RNS

Once the USB connection is done, enter the settings section of your Android mobile phone. From the Settings menu, go to **Mobile Access Point and Internet Sharing** (the menu content may vary depending on the phone brand and model) section and activate the **USB Connection** option from there. Within seconds, your SimPLinx device's **online** LED will be lighted with green color and the device will be connected to internet with a USB cable from your Android mobile phone.



4. Providing Internet via USB from iOS Phone to SMX-RNS

Once the USB connection is done, enter the settings section of your phone. From the Settings menu, go to **Personal Hotspot** section and then activate the **Personal Hotspot** option. Within seconds, your SimPLinx device's **online** LED will be lighted with green color and the device will be connected to internet with a USB cable from your iOS mobile phone.





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