

Fastboot for TRB1XX

Introduction

Fastboot is a powerful protocol that allows for low-level management and modification of a router's firmware and critical partitions. Fastboot mode provides direct access to the router's storage, enabling advanced tasks such as flashing firmware, replacing the bootloader, and performing other critical updates. This article provides a guide on how to use Fastboot, specifically designed for the TRB1XX series.

Upgrade

Firmware upgrade process via Fastboot requires only few simple steps:

1. Download the appropriate 2 files for TRB1_R_00.07.05.3: kernel (kernel.img) and rootfs (rootfs.ubi) These files need to be extracted according to the device's product code. can be downloaded from here: [kernel.img and rootfs -rootfs.ubi](#)
2. Download and Install [ADB software](#)



1. Connect TRB14X via USB cable to your computer.
2. Press and hold reset button, at the same time plug the power cable and keep holding reset button for about 5 seconds (mobile signal LED's should start blinking).
3. Place rootfs.ubi file in any easily accessible directory (e.g. in "C:\Test").
4. Open CMD ("Command Prompt" window) with administrator rights.
5. Use cd command to navigate to the place where you saved the rootfs.ubi file (Example: **cd C:\Test**).
6. Then use this command: **fastboot devices**.

if a device is not listed, use the following guide for troubleshooting:

<https://kaunas.teltonika.lt:444/d/40841368fece4a64a13e>

1. When it completes, use this command: **fastboot flash rootfs_b build rootfs.ubi**.
2. When both commands are executed and finished running, unplug power from TRB and plug it again. It should boot up as normal.
3. Install intermediate firmware version, which can be downloaded from here: https://wiki.teltonika-networks.com/view/TRB140_Legacy_FW_Upgrade_Instructions.
4. Install desired firmware version to TRB through WebUI. Latest firmware can be downloaded from here: https://wiki.teltonika-networks.com/view/FW_%26_SDK_Downloads.

See the details below for more information on each of these steps.