

# Template:Networking rutos manual package manager rut2 rut9

The information in this page is updated in accordance with firmware version .



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## Summary

The **Package Manager** is a service used to install additional software on the the device. This page is an overview of the Package Manager section in {{{name}}} 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 "Advanced" button, located at the top of the WebUI.



## Packages

### Package Restore

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The **Package Restore** section `Enable` or `Disable` automatic package installation function after firmware upgrade with keep settings.



### Package Manager

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The **Package Manager** section provides the possibility to install additional software packages that are available for download from the FOTA server. To install a new service, locate the necessary package in the list, click the '+' button adjacent to it.

**Note:** Package Manager in your device might show different available packages, the picture below is just for demonstration:



## Upload

The **Upload** section provides the possibility for offline package installation. Only packages that are intended for this specific device and firmware version can be uploaded.

The list of available packages for {{{name}}} devices with latest firmware version can be found in the [[{{{name}}} Package Downloads|Package Downloads]] page. Also it can be found by clicking on **this repository** link.



To install a package click the 'Browse' button and locate the package file on your computer. Package should start uploading and a [Verification](#) windows should soon appear. If you proceed with installation and successfully install the package, you should see a pop-up containing a message of success in the top side of your screen:



## Verification

When trying to install a package by uploading it in [Upload](#) page you will be informed whether this package is **Authorized** - digitally signed by Teltonika Networks, or **Unauthorized** - without digital signature. After that you will be able to proceed with installation or cancel it.

Below are pictures representing **Authorized** and **Unauthorized** packages respectively.



## FAQ

- **Q:** How to keep installed packages after firmware upgrade?
- **A:** Before upgrading the device's firmware, make sure the 'Keep settings' option is checked in the [[{{{name}}} Firmware|Firmware]] page and `Package Restore` function is enabled in the [[{{{name}}} Package\_Manager#Packages|Package Manager]]. This ensures that the device will install the necessary packages after FW upgrade and keep user configuration data.



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- **Q:** Is there enough space for packages that I want to install?

- **A:** The size of each package is displayed next to its version in the package list. The current state of Flash memory is displayed in the top-right corner of the list. Hover your mouse over it for more information.



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- **Q:** I installed a software package, how do I configure it?
  - **A:** After the installation of a package, a related configuration page is generated somewhere in the WebUI, depending on the packages purpose. You can find a redirect to the configuration page by locating your package in the `[[{{{name}}}_Services|Services]]`.
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- **Q:** The package that I want isn't on the list. Can I install it anyway?
- **A:** Depends on what you need specifically. More packages can be downloaded using the **opkg package manager**. It is a [command-line](#) utility used to download software from special online repositories.

Before using *opkg* you should first update the list of available packages by executing this command:

```
opkg update
```

To see a list of available packages, use this command:

```
opkg list
```

To install a package, use this syntax:

```
opkg install <PACKAGE_NAME>
```

[[Category:{{{name}}} System section]]