

REVOLUTION PI

Release Notes
Bullseye 09/2023

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REVOLUTION PI

a **KUNBUS** brand

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1 Release Notes Bullseye 09/2023

Our image is based on Raspberry Pi OS 2023-05-03, which is based on Debian Bullseye. Details about the changes to Raspberry Pi OS can be found in these release notes:

https://downloads.raspberrypi.org/raspios_armhf/release_notes.txt
for Bullseye armhf

https://downloads.raspberrypi.org/raspios_arm64/release_notes.txt
for Bullseye arm64

We have made some changes to Raspberry Pi OS: Among other things, we removed unnecessary packages, added APT repositories, and installed packages from KUNBUS. Details can be found here:

<https://github.com/RevolutionPi/imagebakery>

The image contains all package updates released by the Raspberry Pi Foundation and the Revolution Pi project until the end of September 2023. It uses kernel 5.10.152 with the RT patch version 75 as before.

Bugfixes

- Connect 4: All modules are now recognized correctly
It could happen that modules on the left side of the Connect 4 were not recognized. This was fixed by an update of the Linux kernel (package raspberrypi-kernel).
Link to the commit:
<https://github.com/RevolutionPi/piControl/commit/5cabba96843b2c59b24d82fcd50051a7f0dcf07f>
- Connect 4: The watchdog works again
It could happen that the watchdog of the Connect 4 does not work. With an update of the Linux kernel (package raspberrypi-kernel) this is fixed.
Link to the commit:
<https://github.com/RevolutionPi/linux/commit/b1d4535503d83b469253e3dae779c67f812993c4>
- revpi-tools: Symbolic link /dev/ttyRS485 is created correctly
With the upcoming kernel 6.1, it was found on the Connect 4 that the symbolic link /dev/ttyRS485 is not created. In preparation for the upcoming release of this new kernel, the image contains a new version of the revpi-tools package which avoids the problem.
Link to commit: <https://gitlab.com/revolutionpi/revpi-tools/-/commit/10fcfa743b42f506bb2e97e9fa325302c82f92d9>

Package versions

- RevPiModIO 2.6.1
 - License is LGPLv2 (formerly LGPLv3) as of 2.6.0.
 - Supports RevPi Connect 4.
 - In the `replace_io` function the `WORDORDER` can be specified, which is needed e.g. for Modbus modules.
 - Important bugfix when using `autorefresh` in combination with `shared_procing`.
- Current packages of Debian Bullseye (as of 2023-09-26)

A detailed list of all changes can be found in the changelog of the respective package (e.g.: `/usr/share/doc/raspberrypikernel/changelog.Debian.gz`).