

Firmware Updates

2013-07-06

Download: [OpenDingux Update for GCW Zero](#)

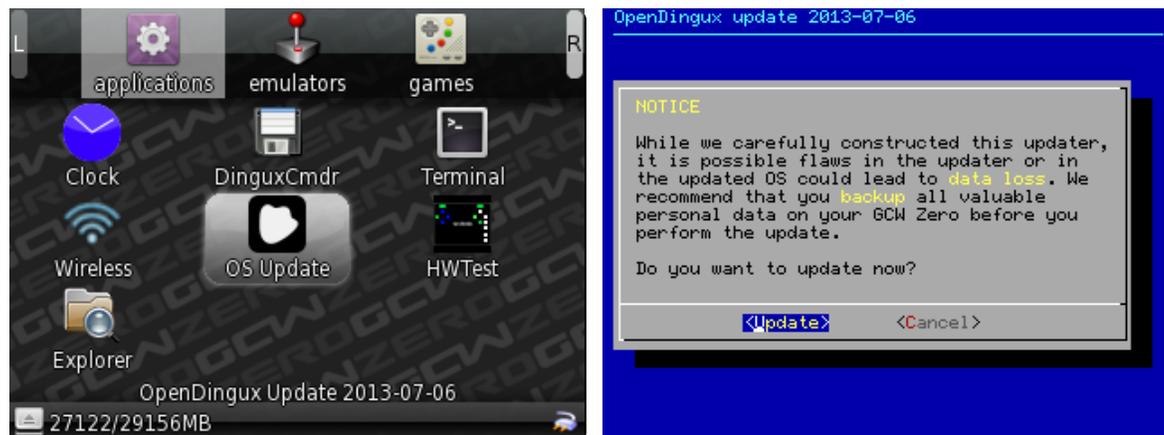
Changes:

- improved video performance (enabled framebuffer caching)
- made vsync more robust (eliminated glitches on page flipping)
- made the FTP server list hidden files (names starting with a dot)
- improved Unicode support in both gmenu2x and command line tools
- fixed bug that powered off the system if the power slider was raised, released, then raised again soon after
- list IP addresses in System Info application
- added unrar command line tool
- added shared memory support (allows more applications to be ported)

How it works

First make sure you have a backup of all valuable user data you have on your GCW Zero, such as save games.

Download the most recent updater application above. Transfer the application (OPK file) to the `apps/` directory on your GCW Zero. Then start the application from the menu:



You can select an option with the d-pad and confirm your choice with the `START` button.

While the update is in progress, you'll see progress information being printed showing what the updater is doing. The update process takes a few minutes, please be patient while it does its work, even if you don't see anything happening for a while on the screen. The output should look like this:

```

Update in progress - please be patient.
Installing updated root filesystem...
Flushing write cache...
Installing updated kernel...
Flushing write cache...

Verifying checksum of updated root filesystem...
Verifying checksum of updated kernel...
Verifying checksum of updated bootloader...

Committing changes. Please wait...

```

```

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Update complete!
The system will now restart.

If for some reason the system fails to boot,
try to press the following keys while powering
on the device:
  -X to boot the last working kernel,
  -Y to boot the last working rootfs.

Note that pressing both keys during the
power-on sequence will load the very same
Operating System (kernel + rootfs) you had
before upgrading.

< OK >

```

When you press START again, the system will restart. After the restart you can check that the new kernel and rootfs were installed in the System Info application:



```

Kernel version: 3.9.0-dingux-00192-ga5d497d
Compiled on Sat Jul 6 22:28:30 CEST 2013

Root file system version: 2012.11.1-g2957c5c
Compiled on Sat Jul 06 19:09:21 CEST 2013

Processor: JZ4770

Total RAM for applications: 510536 kB

Network interfaces:
usb0 10.1.1.2

<Press START to exit>

```

The compile date for the kernel and rootfs should be equal to or very close to the date of the updater application.

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