

# **iControlPad Flashing Guide using Linux / MacOSX**

This guide explains step by step how to update the firmware of your ICP to the latest version.

## **1. Prepare your PC and the ICP.**

Before starting to flash your device, please make sure that the battery of the ICP is at least charged by 50%.

Your device will not be bricked if it runs out of battery while flashing, but it will not be usable until you successfully reflash it.

Make sure that your ICP is switched off.

Download and extract the latest Firmware Update package from [www.icontrolpad.com](http://www.icontrolpad.com).

If you're using Linux, you have to have BlueZ installed.

## **2. Put the iControlPad into flashing mode**

First, we need to tell the iControlPad that we want to update the firmware. To do so, please first ensure that the iControlPad is switched off.

In case you have multiple iControlPads:  
Please make sure ALL of them are switched off.



Then press and hold the SELECT button first, then press and hold the START Button.

The LED light up.

Keep both buttons pressed until the LED goes off for half a second.

*Fig. 1: Press and hold Select + Start until the LED flashes.*

You can now release the buttons. The LED should stay constantly on.

This shows that the device is now in flashing mode.

The iControlPad will switch off itself after a while. If the LED goes off before you started the flash process, please restart with Step 1 and try to be faster.



*Fig. 2: The iCP is now in flashing mode,*

### 3. How to flash using MacOSX

Use the Terminal.app to run the file in the package named „icp-flash-osx-x86“.

Make sure to acknowledge any pairing requests from the OS while connecting and use pin **1234** if prompted.

If the Mac tells gives you an "Error opening channel", you need to make your Mac "forget" the iCP.

Open your Bluetooth menu and select "Set Up Bluetooth Device", then your iCP, and have the OS re-pair with it.

### 4. How to flash using Linux

Before you start the actual flashing, you have to pair your iControlPad with the PC.

This varies on the desktop environment you're using, but when you start the pairing process, it should ask you for a pin code.

Enter **1234** as pincode.

After that, open your favourite terminal app and either run `./icp-flash-x86` (if you're running a 32bit Linux) or `./icp-flash-x86_64` (if you're running a 64bit Linux).

Thanks to Robert Broglia (<http://www.explusalpha.com>) for the Linux and MacOSX version of the flasher tool.

If you have any problems or questions, please check the iControlPad-Section at <http://boards.openpandora.org>