



PocketEdition

Device specifications

Input: 5V DC - 1A

Bluetooth default PIN: 669966 (only needed for Android devices)



Getting the software

Go to <http://airbirds.de/produkte/pocketedition>. On this page you find the links to the Android, iOS and Google Chrome app.

Connecting via Bluetooth and iOS

Start the iOS app, select your PocketEdition device in the upcoming dialog and connect.

Connecting via Bluetooth and Android

Go to the Android Bluetooth settings and connect with your PocketEdition. Enter the PIN and you're connected. Now start the Android app, select the PocketEdition device and you're ready to go.

Important notice for Android users

Be sure to turn on GPS in the Android settings of your device. There's a bug in some Android implementations in which you have to turn on GPS in order to use Bluetooth Low Energy properly.

Connection via the ChromeApp

Go to this page <http://bit.ly/1r4PF7I> and download the driver for your operation system. After installing the driver start the Google Chrome app, select the correct COM-Port of the PocketEdition and you're ready to go.

Increasing Bluetooth Power & Range

The PocketEdition's bluetooth module has per default the minimum possible bluetooth power due to regulations. However, you can increase the power of the bluetooth module:

- Connect your PocketEdition with the Google Chrome App
- Open the Menu Bluetooth / Change db Power

Calibrating the device

Step 1

Place the PocketEdition on the ground next to an air gate. Power up the PocketEdition.

Step 2:

Take your quad and go away from the PocketEdition about 1-2m meters

Step 3:

Put your quad on the ground and power it up.

Step 4:

Start the PocketEdition app, connect to the box and go to the settings.

Step 5:

Set your VTX channel like RaceBand 3 or whatever channel you are using.

Step 6:

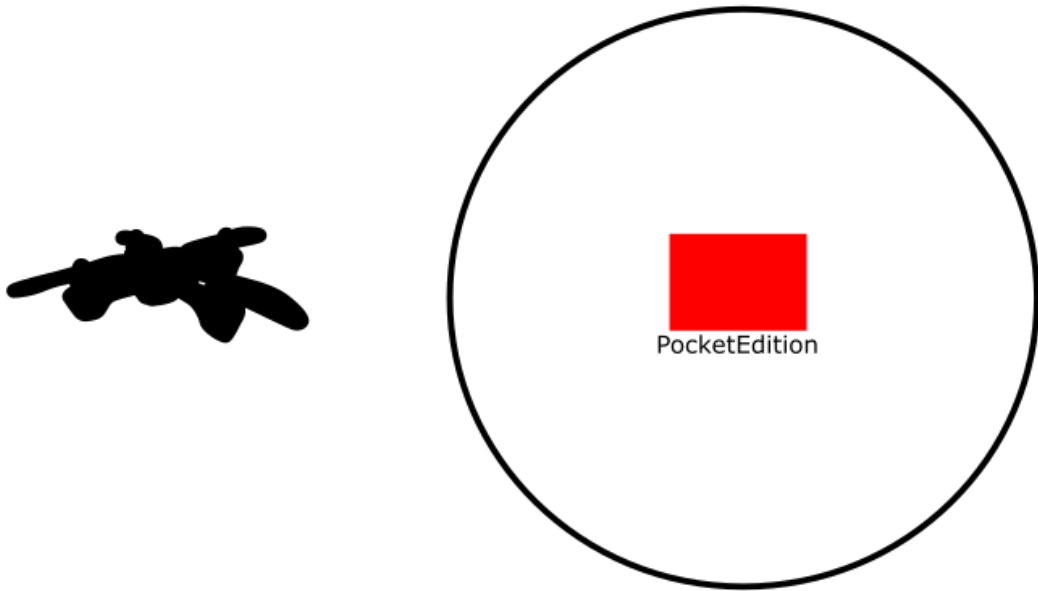
You're ready to go. Since firmware version 2.0, you don't need to calibrate anymore the device. The SmartSense technology will take care of it. But you can alter the SmartSense CutOff / Tolerance.

- SmartSense Low: 0 - 30 cm radius
- SmartSense Medium: 30 - 1 m radius
- SmartSense High: 2 - 4 m radius

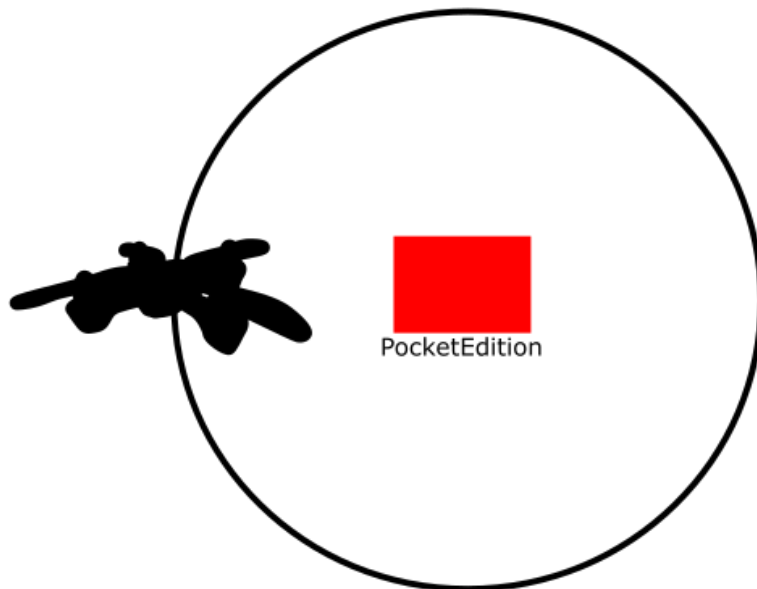
Please be aware that the range of radius may differ between the different VTX transmitters on the market.

Firmware 1.7 and older:

Now update your current RSSI strength and save it. The PocketEdition knows when to trigger time tracking



Won't trigger, quad is outside of RSSI minimal strength



Triggering, quad is inside of RSSI minimal strength

Updating the PocketEdition Firmware

Step 1

Download XLoader for Windows: <http://russemotto.com/xloader/>

Step 2

Download the latest firmware from <http://www.airbirds.de/easyracelaptimer-pocketedition/>

Step 3

Start XLoader and choose the correct device (Nano ATmega328) and COM-Port

Step 4

Load the firmware and flash the device

