



NEWSLETTER 1/2017

Hello Bat Pi Users,

After more than almost 3 years of project development, we announce a new helpful extension.

Dual monitoring function extension Simultaneous monitoring of ultrasound and telemetry transmitter signals

Bat Pi 2RT

(RT = Radio Tracking)

Small case with Dodotronic
Ultramic250K,

Big case with Dodotronic
Ultramic384K





RASPBERRY PI© BAT PROJEKT

Förderprojekt des Naturschutzbund Deutschland (NABU) Landesverband
Nordrhein-Westfalen e.V



- All functions of the well-known “Bat Pi 2” image are still available.
- The “Bat Pi 2RT” can be accessed and configured (via Internet browser) via a network from anywhere and any device.
- New radio tracking function in the “Bat Pi2RT” with a USB-SDR-RTL stick

4 new features

○ Near range tracking (RT): Detection of telemetry transmitters nearby (depending on the antenna and the amplifier). Scanning of a predefined frequency range by the device and simultaneous storage of up to 4 different transmission frequencies with recording as wav file including time stamp and frequency information.

Application: Monitoring of flight path of telemetry animals at small passages, bridges, tunnels, roosts, etc.

○ Detection of telemetry transmitters in a predefined frequency range or of predefined frequency (RT / WAV).

Extended tracking range (by different software).

Simultaneous recording and listening via headphones.

Save as wav file (comparable to ultrasound recording).

Application: Monitoring of flight path in field

○ Monitoring of a frequency range by continuous detection of all signals in the complete selected frequency range (RT / PNG).

Continuous storage of recorded parameters in a dat file and graphical presentation as png file with frequency information.

○ Remote transmission (WLAN) of the recording to any device (for example, notebook, tablet, mobile phone, etc.) (RT / IP).

We recommend the Raspberry Pi models Pi2 and Pi3 for the Bat Pi 2RT!

The “Bat Pi 2RT” image can also be operated on the models A + and B +, but only ultrasonic mode will work while RT mode will not work, because of missing power of the smaller models.

The new Bat Pi 2RT image can be downloaded from the well-known website in April and will be presented on the German BFA NABU bat conference in Wetzlar (April 2017).





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Dodotronic Ultramic384K with 384KHz sample rate has been tested by us and now works on Raspberry Pi Model B + and upgrade.

www.bat-pi.eu



Your Bat Pi Team

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