

TechNote

The QuadKEY App gives a user a quick and easy access to the QuadKEY evaluation board. The QuadKEY App is only compatible to Windows. For getting started with the QuadKEY and its app, please follow the instructions underneath:

1. Go to the Arduino website: <https://www.arduino.cc/en/Main/Software> and download the latest Arduino software version.

Download the Arduino IDE



The screenshot shows the Arduino IDE download page. On the left, there is the Arduino logo (an infinity symbol with a minus and plus sign) and the text "ARDUINO 1.8.13". Below this, it says "The open-source Arduino Software (IDE) makes it easy to write code and upload it to the board. It runs on Windows, Mac OS X, and Linux. The environment is written in Java and based on Processing and other open-source software. This software can be used with any Arduino board. Refer to the Getting Started page for Installation instructions." On the right, there is a teal sidebar with links for "Windows" (installer for Windows 7 and up, ZIP file for non-admin install), "Windows app" (requires Win 8.1 or 10), "Mac OS X" (10.10 or newer), "Linux" (32 bits, 64 bits, ARM 32 bits, ARM 64 bits), "Release Notes", "Source Code", and "Checksums (sha512)".

2. Go to the Bartels Mikrotechnik website: <https://bartels-mikrotechnik.de/index.php/produkte/download/category/2-driver-software> and download 2.8 Firmware Et App for mp6-QuadKEY.
3. Connect your QuadKEY via USB to your PC and execute Arduino by clicking on the firmware which is included in the zip-file you just downloaded from the Bartels Mikrotechnik website.

Name	Typ	Komprimierte Größe	Kennwortg...	Größe	Verhältnis	Änderungsdatum
 QuadKEY_Firmware	Arduino file	3 KB	Nein	13 KB	82%	09.06.2020 14:48



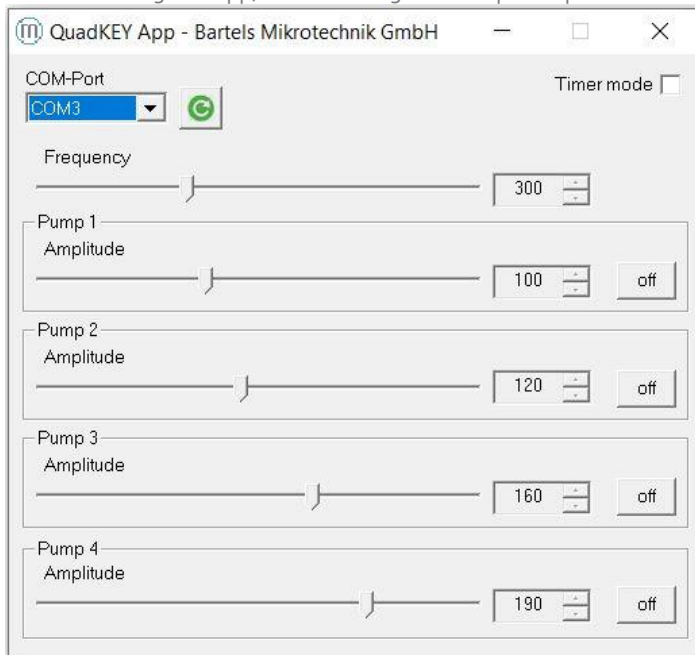
4. Upload the code onto the QuadKEY by using the upload button. Make sure you have selected the right COM port, you can find the selection under "Tools".



5. After uploading the code, you can execute the QuadKEY App which is included in the zip-file you have downloaded from the Bartels Mikrotechnik website:

Name	Typ	Komprimierte Größe	Kennwort...	Größe	Verhältnis	Änderungsdatum
QuadKEY App	Anwendung	2,585 KB	Nein	6,728 KB	62%	03.07.2020 16:01

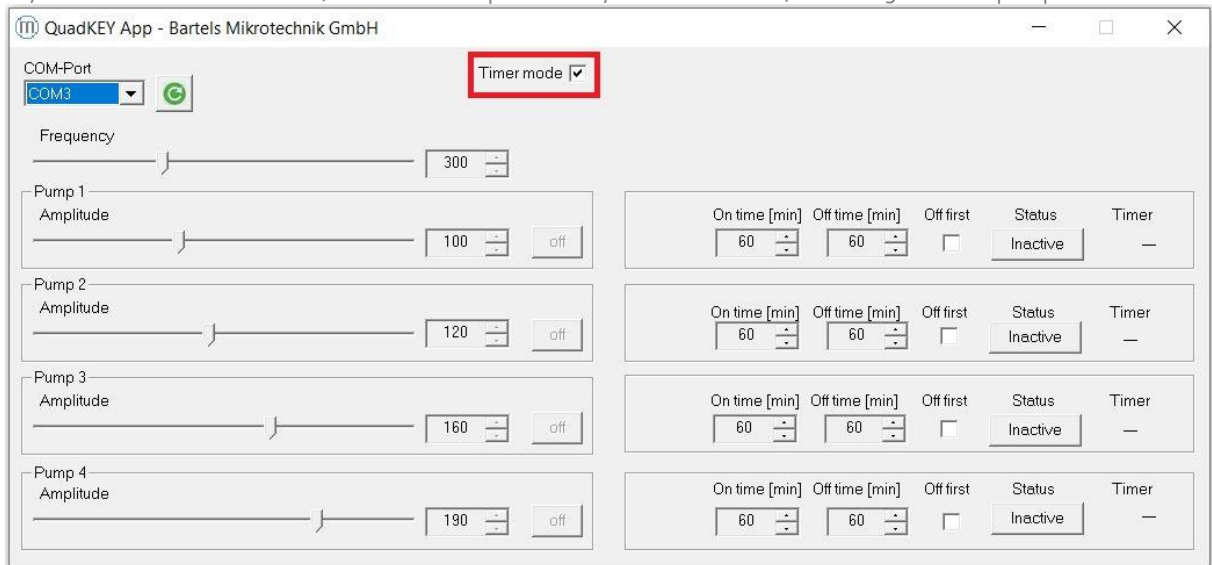
6. After executing the app, the following screen opens up:



7. Here you can adjust each pump's amplitude (voltage) separately and the frequency for all pumps globally.



8. If you tick the timer mode box, the window expands and you can set an on/off timing for each pump.



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Visit our Website

www.bartels-mikrotechnik.de

for further information on applications.

Tutorials and helpful answers to frequently asked questions can be found in our FAQ

<http://blog.bartels-mikrotechnik.de>

or on our YouTube channel

<https://www.youtube.com/user/BartelsMikrotechnik>

Social Media: Facebook, Twitter, Instagram, LinkedIn

