

ZUM Radio Bluetooth board for iOS

Powering the board

When pairing the board to an iPhone or iPad, the Bluetooth board should be powered from a 5V source connected to the micro USB connector on the right. (see image below) Note that the micro USB connector on the left is used to connect the board to a PC as a serial port.



iOS Software

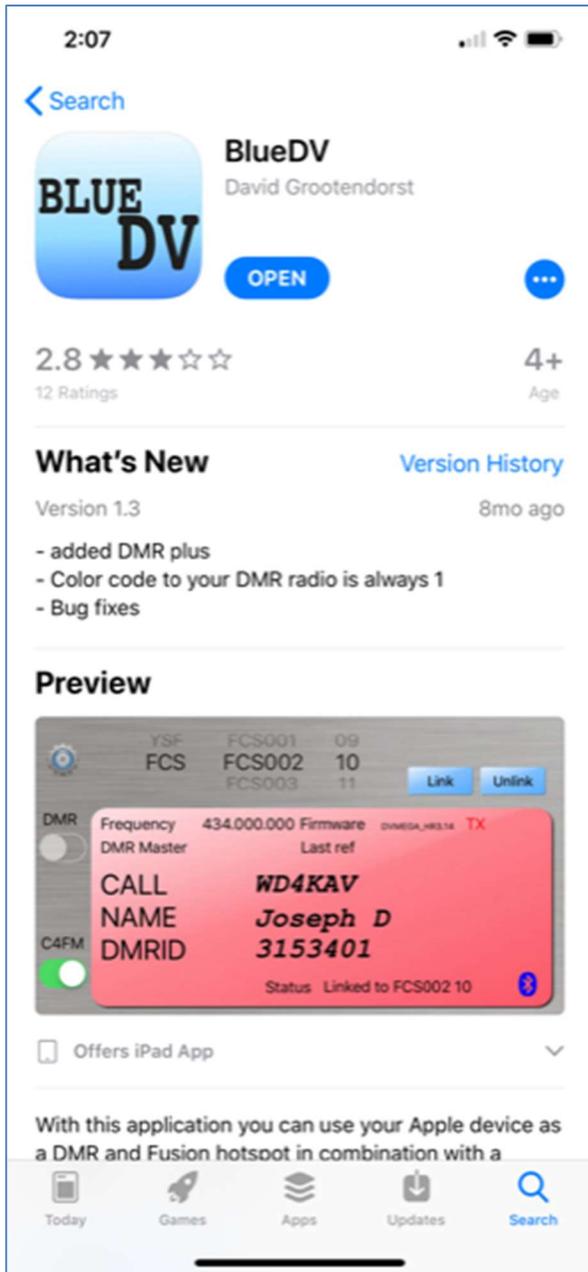
For more information about BlueDV, visit the website of David PA7LIM.

<https://www.pa7lim.nl/bluedv-ios/>

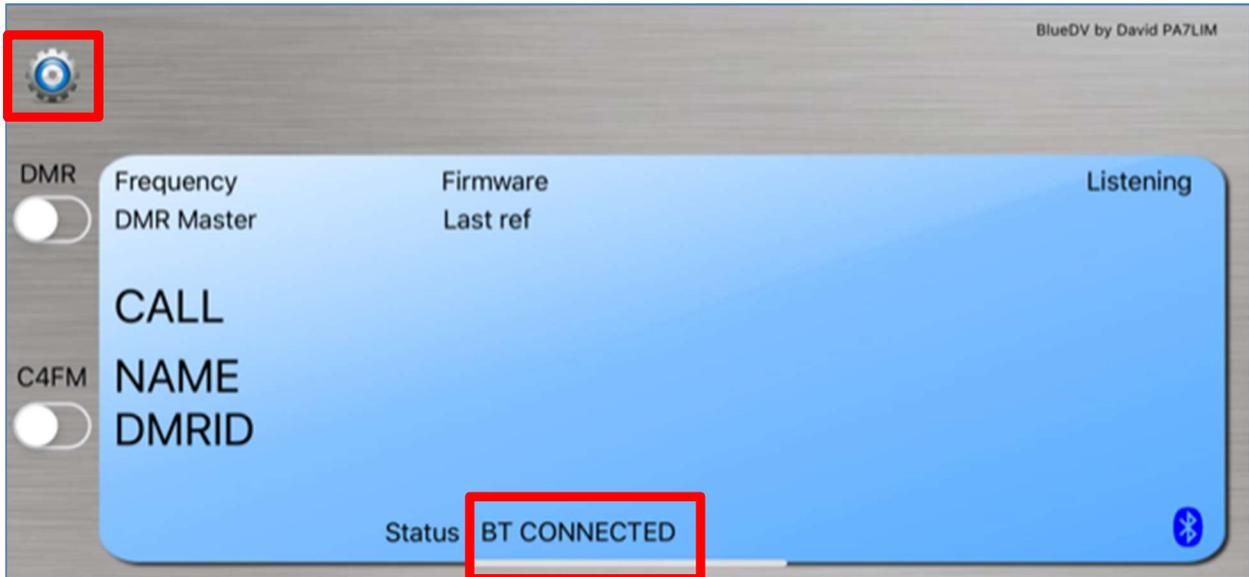
Install the BlueDV software from the iTunes store:

<https://itunes.apple.com/us/app/bluedv/id1186753798>

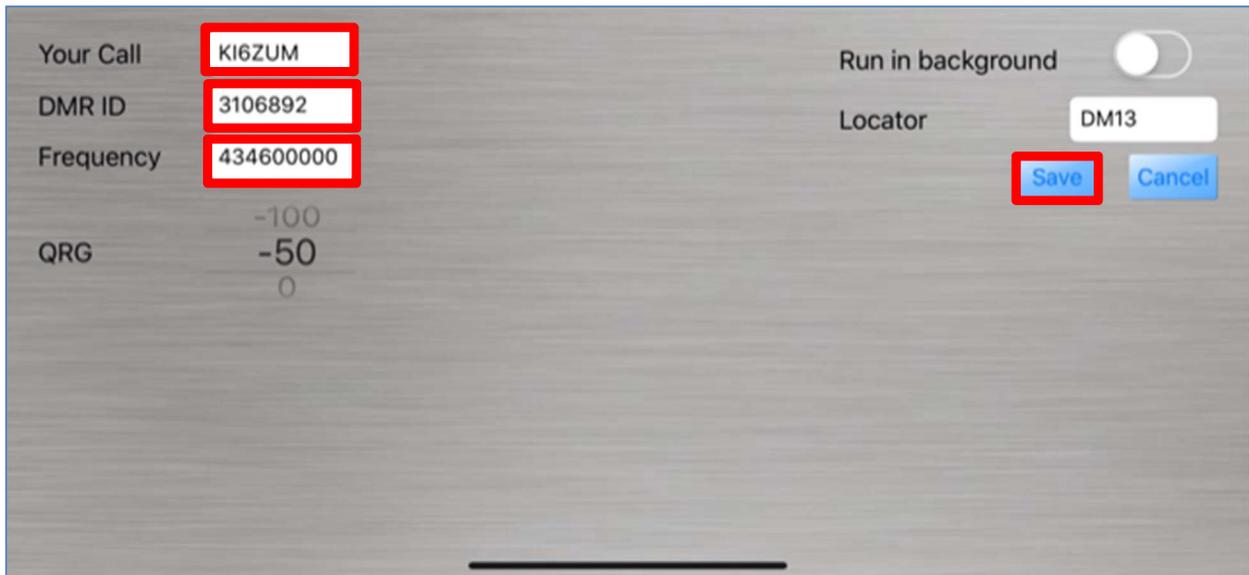
It should look like this on the iTunes store:



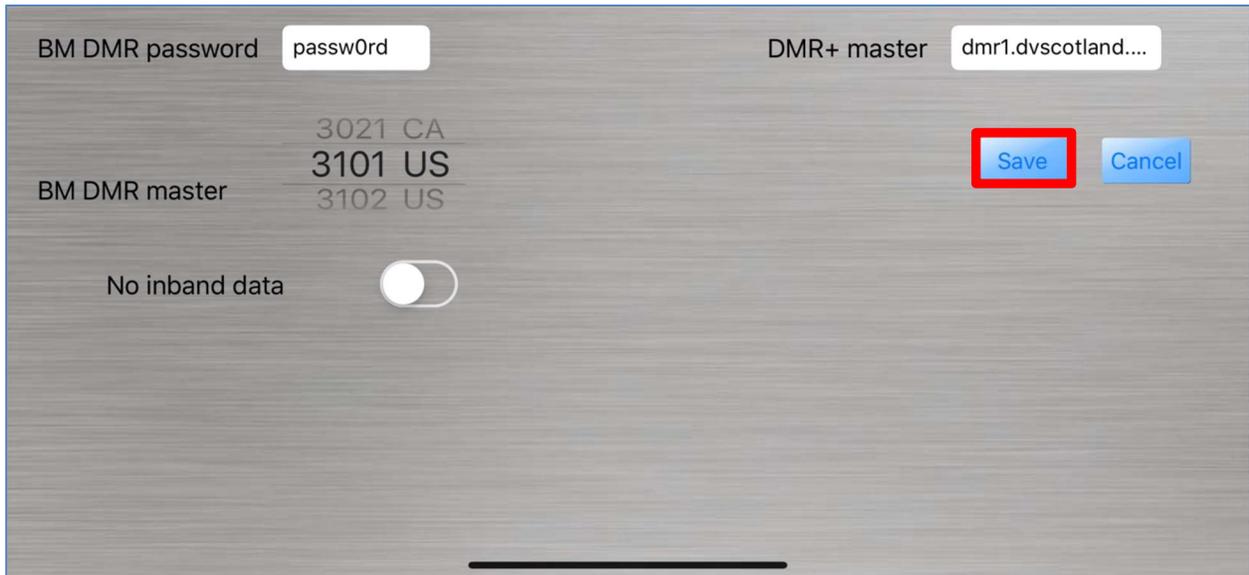
Once the software is installed, start the app. If the Bluetooth board is powered, the app should show "BT CONNECTED". Next select the configuration icon (top left corner) and then select "General".



As a minimum, set "Your Call", "DMR ID" and "Frequency". Next select "Save"

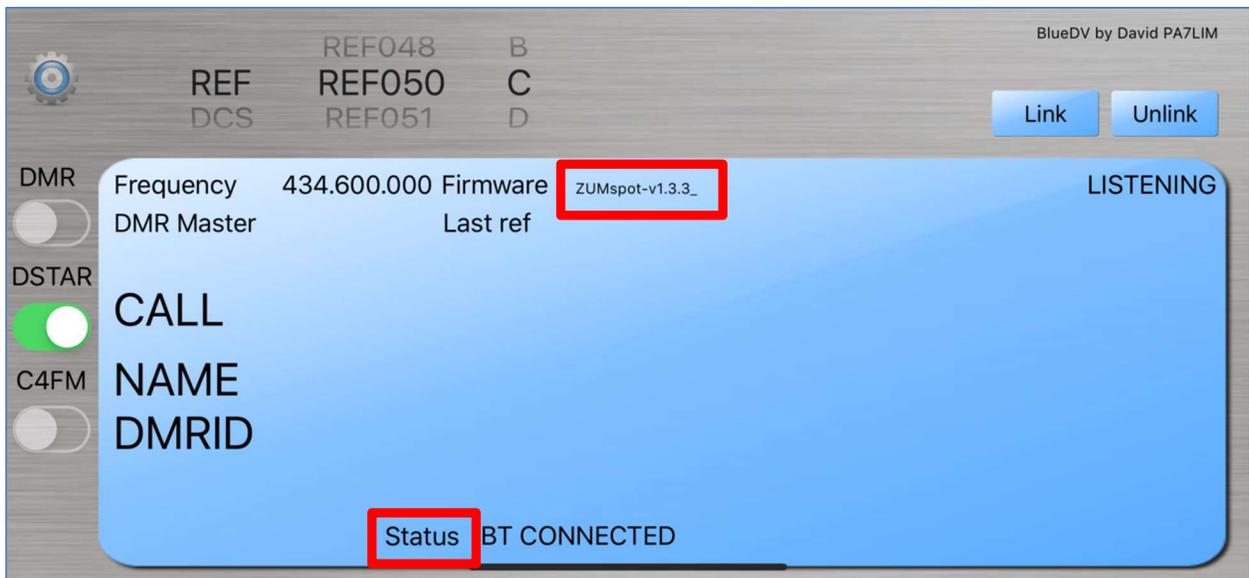


Now select "DMR" and change the DMR settings if necessary. Select "Save" and then select "Back".

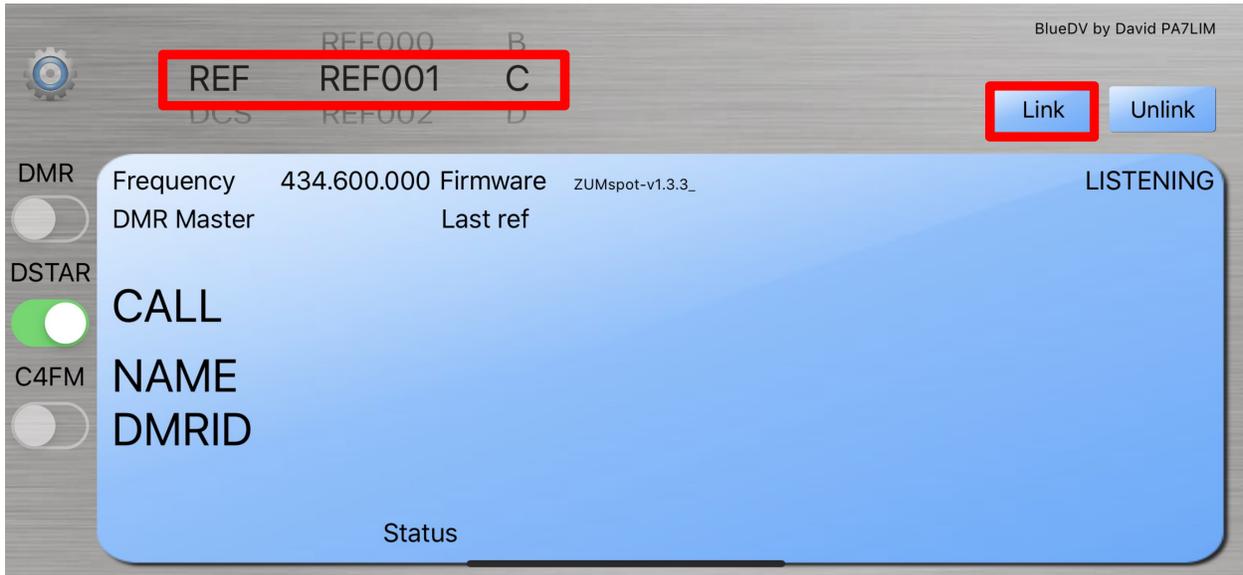


If the Bluetooth connection to the ZUMspot board is functional, the software should display the "Firmware" version on the ZUMspot board.

If DSTAR mode is desired, tap the "Status" word on the screen 3 times and the DSTAR control will be enabled.



Now select the reflector (“REF”) you wish to connect to and then select “Link”



If the app is successful in connecting to the reflector it will show the status as “Linked”.



Once connected to the reflector, the app will display info when others are transmitting.

The screenshot shows the BlueDV app interface. At the top right, it says "BlueDV by David PA7LIM". In the top center, there is a table of reflectors:

REF	REF000	B
DCS	REF001	C
	REF002	D

Below this table are "Link" and "Unlink" buttons. On the left side, there are three toggle switches: "DMR" (off), "DSTAR" (on), and "C4FM" (off). The main red box displays the following information:

- Frequency: 434.600.000
- Firmware: ZUMspot-v1.3.3_
- DMR Master: Last ref
- CALL: **N8CTB**
- NAME: **Chris Behm**
- DMRID: **1126035**
- Status: Linked to REF001 C

A red "TX" indicator is visible in the top right corner of the red box.