

**NAME**

**bcmfw** - download firmware for Broadcom BCM2033 Bluetooth USB devices

**SYNOPSIS**

**bcmfw** [-h] -f *firmware\_file\_name* -m *mini-driver\_file\_name* -n *device\_name*

**DESCRIPTION**

The **bcmfw** utility downloads the specified mini-driver and firmware files to the specified device.

This utility will *only* work with Broadcom BCM2033 chip based Bluetooth USB devices. The identification is currently based on USB vendor ID/product ID pair. The vendor ID should be 0x0a5c (USB\_VENDOR\_BROADCOM) and the product ID should be 0x2033.

Due to copyright issues I will no longer provide mini-driver and firmware files for the device. These files can be obtained from the Linux BlueZ bluez-firmware package.

Visit <http://www.bluez.org/download.html> for details.

I am using the following files from the bluez-firmware-1.0 package:

MD5 (BCM2033-MD.hex) = 5580317158d07fc4ace90af04f8e1c73

MD5 (BCM2033-FW.bin) = b4e142b3272cfe5a84b32fda6b4b032f

The options are as follows:

**-f** *firmware\_file\_name* Specify firmware file name for download.

**-h** Display usage message and exit.

**-m** *mini-driver\_file\_name* Specify mini-driver file name for download.

**-n** *device\_name* Specify device name.

**FILES**

*BCM2033-MD.hex* Mini-driver image.

*BCM2033-FW.bin* Firmware image.

*/dev/ubtbcmfwN.EE* Endpoint *EE* of device *N*.

**EXIT STATUS**

The **bcmfw** utility exits 0 on success, and >0 if an error occurs.

**EXAMPLES**

To download the firmware into the `/dev/ubtbcmfw0` device:

```
bcmfw -n ubtbcmfw0 -m BCM2033-MD.hex -f BCM2033-FW.bin
```

**SEE ALSO**

`ubtbcmfw(4)`, `ugen(4)`

**AUTHORS**

Maksim Yevmenkin <[m\\_evmenkin@yahoo.com](mailto:m_evmenkin@yahoo.com)>

**BUGS**

Most likely. Please report if found.