

NAME

bccmd – Utility for the CSR BCCMD interface

SYNOPSIS

```
bccmd
bccmd [-t <transport>] [-d <device>] <command> [<args>]
bccmd [-h --help]
```

DESCRIPTION

bccmd issues BlueCore commands to **Cambridge Silicon Radio** devices. If run without the <command> argument, a short help page will be displayed.

OPTIONS

-t <transport>
Specify the communication transport. Valid options are:

- HCI** Local device with Host Controller Interface (default).
- USB** Direct USB connection.
- BCSP** Blue Core Serial Protocol.
- H4** H4 serial protocol.
- 3WIRE** 3WIRE protocol (not implemented).

-d <dev>
Specify a particular device to operate on. If not specified, default is the first available HCI device or /dev/ttyS0 for serial transports.

COMMANDS

```
builddef
    Get build definitions

keylen <handle>
    Get current crypt key length

clock
    Get local Bluetooth clock

rand
    Get random number

chiprev
    Get chip revision

buildname
    Get the full build name

panicarg
    Get panic code argument

faultarg
    Get fault code argument

coldreset
    Perform cold reset

warmreset
    Perform warm reset

disabletx
    Disable TX on the device

enabletx
    Enable TX on the device
```

singlechan <channel>

Lock radio on specific channel

hoppingon

Revert to channel hopping

rttxdata1 <decimal freq MHz> <level>

TXData1 radio test

radiotest <decimal freq MHz> <level> <id>

Run radio tests, tests 4, 6 and 7 are transmit tests

mementypes

Get memory types

psget [-r] [-s <stores>] <key>

Get value for PS key. -r sends a warm reset afterwards

psset [-r] [-s <stores>] <key> <value>

Set value for PS key. -r sends a warm reset afterwards

psclr [-r] [-s <stores>] <key>

Clear value for PS key. -r sends a warm reset afterwards

pslist [-r] [-s <stores>]

List all PS keys. -r sends a warm reset afterwards

psread [-r] [-s <stores>]

Read all PS keys. -r sends a warm reset afterwards

psload [-r] [-s <stores>] <file>

Load all PS keys from PSR file. -r sends a warm reset afterwards

pscheck [-r] [-s <stores>] <file>

Check syntax of PSR file. -r sends a warm reset afterwards

KEYS

bdaddr country devclass keymin keymax features commands version remver hciextn mapsco baudrate
hostintf anafreq anaftrim usbvid usbpid dfupid bootmode

AUTHORS

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