

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

memtypes

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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