

**NAME**

hcitool - configure Bluetooth connections

**SYNOPSIS**

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hcitool [-h]
hcitool [-i <hciX>] [command [command parameters]]
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**DESCRIPTION**

**hcitool** is used to configure Bluetooth connections and send some special command to Bluetooth devices. If no **command** is given, or if the option **-h** is used, **hcitool** prints some usage information and exits.

**OPTIONS**

**-h** Gives a list of possible commands

**-i <hciX>**  
The command is applied to device *hciX*, which must be the name of an installed Bluetooth device. If not specified, the command will be sent to the first available Bluetooth device.

**COMMANDS**

**dev** Display local devices

**inq** Inquire remote devices. For each discovered device, Bluetooth device address, clock offset and class are printed.

**scan** Inquire remote devices. For each discovered device, device name are printed.

**name <bdaddr>**  
Print device name of remote device with Bluetooth address *bdaddr*.

**info <bdaddr>**  
Print device name, version and supported features of remote device with Bluetooth address *bdaddr*.

**spinq** Start periodic inquiry process. No inquiry results are printed.

**epinq** Exit periodic inquiry process.

**cmd <ogf> <ocf> [parameters]**  
Submit an arbitrary HCI command to local device. *ogf*, *ocf* and *parameters* are hexadecimal bytes.

**con** Display active baseband connections

**cc [--role=*m|s*] [--pkt-type=<ptype>] <bdaddr>**  
Create baseband connection to remote device with Bluetooth address *bdaddr*. Option *--pkt-type* specifies a list of allowed packet types. *<ptype>* is a comma-separated list of packet types, where the possible packet types are **DM1**, **DM3**, **DM5**, **DH1**, **DH3**, **DH5**, **HV1**, **HV2**, **HV3**. Default is to allow all packet types. Option *--role* can have value *m* (do not allow role switch, stay master) or *s* (allow role switch, become slave if the peer asks to become master). Default is *m*.

**dc <bdaddr> [reason]**  
Delete baseband connection from remote device with Bluetooth address *bdaddr*. The reason can be one of the Bluetooth HCI error codes. Default is *19* for user ended connections. The value must be given in decimal.

**sr <bdaddr> <role>**  
Switch role for the baseband connection from the remote device to **master** or **slave**.

**cpt <bdaddr> <packet types>**  
Change packet types for baseband connection to device with Bluetooth address *bdaddr*. *packet types* is a comma-separated list of packet types, where the possible packet types

are **DM1**, **DM3**, **DM5**, **DH1**, **DH3**, **DH5**, **HV1**, **HV2**, **HV3**.

**rss** <*bdaddr*>

Display received signal strength information for the connection to the device with Bluetooth address *bdaddr*.

**lq** <*bdaddr*>

Display link quality for the connection to the device with Bluetooth address *bdaddr*.

**tpl** <*bdaddr*> [*type*]

Display transmit power level for the connection to the device with Bluetooth address *bdaddr*. The type can be **0** for the current transmit power level (which is default) or **1** for the maximum transmit power level.

**afh** <*bdaddr*>

Display AFH channel map for the connection to the device with Bluetooth address *bdaddr*.

**lp** <*bdaddr*> [*value*]

With no *value*, displays link policy settings for the connection to the device with Bluetooth address *bdaddr*. If *value* is given, sets the link policy settings for that connection to *value*. Possible values are RSWITCH, HOLD, SNIFF and PARK.

**lst** <*bdaddr*> [*value*]

With no *value*, displays link supervision timeout for the connection to the device with Bluetooth address *bdaddr*. If *value* is given, sets the link supervision timeout for that connection to *value* slots, or to infinite if *value* is 0.

**auth** <*bdaddr*>

Request authentication for the device with Bluetooth address *bdaddr*.

**enc** <*bdaddr*> [*encrypt enable*]

Enable or disable the encryption for the device with Bluetooth address *bdaddr*.

**key** <*bdaddr*>

Change the connection link key for the device with Bluetooth address *bdaddr*.

**clkoff** <*bdaddr*>

Read the clock offset for the device with Bluetooth address *bdaddr*.

**clock** [*bdaddr*] [*which clock*]

Read the clock for the device with Bluetooth address *bdaddr*. The clock can be **0** for the local clock or **1** for the piconet clock (which is default).

## AUTHORS

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