



## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'hcitool.1'***

**C:\>man hcitool.1**

HCITOO(1)                   Linux System Administration                   HCITOO(1)

### NAME

hcitool - configure Bluetooth connections

### SYNOPSIS

hcitool [-h]

hcitool [-i <hciX>] [command [command parameters]]

### 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.

`rsssi <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).

lescan [--privacy] [--passive] [--whitelist] [--discovery=g||] [--duplicates]

Start LE scan

leinfo [--static] [--random] <bdaddr>

Get LE remote information

lewladd [--random] <bdaddr>

Add device to LE White List

lewlrm <bdaddr>

Remove device from LE White List

lewlsize Read size of LE White List

lewlclr

Clear LE White List

lerladd [--local irk] [--peer irk] [--random] <bdaddr>

Add device to LE Resolving List

lerlrm <bdaddr>

Remove device from LE Resolving List

lerlclr

Clear LE Resolving List

lerlsz Read size of LE Resolving List

lerlon Enable LE Address Resolution

lerloff

Disable LE Address Resolution

lecc [--static] [--random] <bdaddr> | [--whitelist]

Create a LE Connection

ledc <handle> [reason]

Disconnect a LE Connection

lecup <handle> <min> <max> <latency> <timeout>

LE Connection Update

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