NAME

hciconfig - configure Bluetooth devices

SYNOPSIS

hciconfig -h
hciconfig [**-a**]
hciconfig [**-a**] **hciX** [*command* [*command parameters*]]

DESCRIPTION

hciconfig is used to configure Bluetooth devices. *hciX* is the name of a Bluetooth device installed in the system. If *hciX* is not given, **hciconfig** prints name and basic information about all the Bluetooth devices installed in the system. If *hciX* is given but no command is given, it prints basic information on device *hciX* only. Basic information is interface type, BD address, ACL MTU, SCO MTU, flags (up, init, running, raw, page scan enabled, inquiry scan enabled, inquiry, authentication enabled, encryption enabled).

OPTIONS

-h, --help

Gives a list of possible commands.

-a, --all

Other than the basic info, print features, packet type, link policy, link mode, name, class, version.

COMMANDS

up   Open and initialize HCI device.

down   Close HCI device.

reset Reset HCI device.

rstat Reset statistic counters.

auth   Enable authentication (sets device to security mode 3).

noauth

Disable authentication.

encrypt

Enable encryption (sets device to security mode 3).

noencrypt

Disable encryption.

secmgr

Enable security manager (current kernel support is limited).

nosecmgr

Disable security manager.

piscan

Enable page and inquiry scan.

noscan

Disable page and inquiry scan.

iscan Enable inquiry scan, disable page scan.

pscan Enable page scan, disable inquiry scan.

ptype [*type*]

With no *type* , displays the current packet types. Otherwise, all the packet types specified by *type* are set. *type* is a comma-separated list of packet types, where the possible packet types are **DM1**, **DM3**, **DM5**, **DH1**, **DH3**, **DH5**, **HV1**, **HV2**, **HV3**.

name *[name]*

    With no *name*, prints local name. Otherwise, sets local name to *name*.

class *[class]*

    With no *class*, prints class of device. Otherwise, sets class of device to *class*. *class* is a 24-bit hex number describing the class of device, as specified in section 1.2 of the Bluetooth Assigned Numers document.

voice *[voice]*

    With no *voice*, prints voice setting. Otherwise, sets voice setting to *voice*. *voice* is a 16-bit hex number describing the voice setting.

iac *[iac]*

    With no *iac*, prints the current IAC setting. Otherwise, sets the IAC to *iac*.

inqtpl *[level]*

    With no *level*, prints out the current inquiry transmit power level. Otherwise, sets inquiry transmit power level to *level*.

inqmode *[mode]*

    With no *mode*, prints out the current inquiry mode. Otherwise, sets inquiry mode to *mode*.

inqdata *[data]*

    With no *name*, prints out the current inquiry data. Otherwise, sets inquiry data to *data*.

inqtype *[type]*

    With no *type*, prints out the current inquiry scan type. Otherwise, sets inquiry scan type to *type*.

inqparams *[win:int]*

    With no *win:int*, prints inquiry scan window and interval. Otherwise, sets inquiry scan window to *win* slots and inquiry scan interval to *int* slots.

pageparms *[win:int]*

    With no *win:int*, prints page scan window and interval. Otherwise, sets page scan window to *win* slots and page scan interval to *int* slots.

pageto *[to]*

    With no *to*, prints page timeout. Otherwise, sets page timeout to .I to slots.

afhmode *[mode]*

    With no *mode*, prints out the current AFH mode. Otherwise, sets AFH mode to *mode*.

sspmode *[mode]*

    With no *mode*, prints out the current Simple Pairing mode. Otherwise, sets Simple Pairing mode to *mode*.

aclmtu *mtu:pkt*

    Sets ACL MTU to to *mtu* bytes and ACL buffer size to *pkt* packets.

scomtu *mtu:pkt*

    Sets SCO MTU to *mtu* bytes and SCO buffer size to *pkt* packets.

delkey *<bdaddr>*

    This command deletes the stored link key for *bdaddr* from the device.

oobdata

    Get local OOB data (invalidates previously read data).

commands

    Display supported commands.

features

Display device features.

version

Display version information.

revision

Display revision information.

lm *[mode]*

With no *mode* , prints link mode. **MASTER** or **SLAVE** mean, respectively, to ask to become master or to remain slave when a connection request comes in. The additional keyword **ACCEPT** means that baseband connections will be accepted even if there are no listening *AF_BLUETOOTH* sockets. *mode* is **NONE** or a comma-separated list of keywords, where possible keywords are **MASTER** and **ACCEPT .** **NONE** sets link policy to the default behaviour of remaining slave and not accepting baseband connections when there are no listening *AF_BLUETOOTH* sockets. If **MASTER** is present, the device will ask to become master if a connection request comes in. If **ACCEPT** is present, the device will accept baseband connections even when there are no listening *AF_BLUETOOTH* sockets.

AUTHORS

Written by Maxim Krasnyansky <maxk@qualcomm.com> and Marcel Holtmann <marcel@holtmann.org>

man page by Fabrizio Gennari <fabrizio.gennari@philips.com>