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>