Rocky Enterprise Linux 9.2 Manual Pages on command 'hciconfig.1'

C:\>man hciconfig.1

HCICONFIG(1) Linux System Administration HCICONFIG(1)

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 ba? sic 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. Ba? sic information is interface type, BD address, ACL MTU, SCO MTU, flags (up, init, running, raw, page scan enabled, inquiry scan enabled, inquiry, authentication en? abled, 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. Other? wise, 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 in? quiry 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 .l 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 AC? CEPT . NONE sets link policy to the default behaviour of remaining slave and not accepting baseband connections when there are no listening AF_BLUE? TOOTH 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@holt? mann.org>

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