



Linux Ubuntu 26.04 Manual Pages on command 'hciattach.1'

\$ man hciattach.1

hciattach(1) Linux System Administration hciattach(1)

Name

hciattach - attach serial devices via UART HCI to BlueZ stack

SYNOPSIS

hciattach [OPTIONS] <tty> <type|id> [speed] [flow] [sleep] [bdaddr]

hciattach -1

DESCRIPTION

hciattach(1) is used to attach a serial UART to the Bluetooth stack as HCI transport interface.

OPTIONS

- i Send break
- n Don't detach from controlling terminal.
- p Print the PID when detaching.
- t timeout
 Specify an initialization timeout. Default is 5 seconds.
- s speed
 Specify an initial speed instead of the hardware default.
- l List all available configurations.
- r Set the HCI device into raw mode. The kernel and bluetooth daemon will ignore it.
- h, --help
 Show help options

ARGUMENTS

show This specifies the serial device to attach. A leading /dev can be omitted.

Examples: /dev/ttyS1 ttyS2

type|id

The type or id of the Bluetooth device that is to be attached, i.e. vendor or other device specific identifier. Currently supported types are

??

? type ? Description ?

??

? any ? Unspecified HCI_UART interface, ?

? ? no vendor specific options ?

??

? ericsson ? Ericsson based modules ?

??

? digi ? Digianswer based cards ?

??

? xircom ? Xircom PCMCIA cards: Credit Card ?

? ? Adapter and Real Port Adapter ?

??

? csr ? CSR Casira serial adapter or ?

? ? BrainBoxes serial dongle (BL642) ?

??

? bboxes ? BrainBoxes PCMCIA card (BL620) ?

??

? swave ? Silicon Wave kits ?

??

? bcsp ? Serial adapters using CSR chips ?

? ? with BCSP serial protocol ?

??

? ath3k ? Atheros AR300x based serial Blue? ?

? ? tooth device ?

??

? intel ? Intel Bluetooth device ?

??

??

? Supported ID	? Description	?
? (manufacturer id, product id) ?		?
??		
? 0x0105, 0x080a	? Xircom PCMCIA cards: Credit Card	?
?	? Adapter and Real Port Adapter	?
??		
? 0x0160, 0x0002	? BrainBoxes PCMCIA card (BL620)	?
??		

speed The speed specifies the UART speed to use. Baudrates higher than 115200bps require vendor specific initializations that are not implemented for all types of devices.

In general the following speeds are supported:

Supported vendor devices are automatically initialised to their respective best settings.

- ???????????
- ? 9600 ?
- ???????????
- ? 19200 ?
- ???????????
- ? 38400 ?
- ???????????
- ? 57600 ?
- ???????????
- ? 115200 ?
- ???????????
- ? 230400 ?
- ???????????
- ? 460800 ?
- ???????????
- ? 921600 ?
- ???????????

flow If the flow is appended to the list of options then hardware flow control is forced on the serial link (CRTSCTS). All above mentioned device types have flow set by default. To force no flow control use noflow instead.

sleep|nosleep

Enables hardware specific power management feature. If sleep is appended to the list of options then this feature is enabled. To disable this feature use nosleep instead.

All above mentioned device types have nosleep set by default.

Note: This option will only be valid for hardware which support hardware specific power management enable option from host.

bdaddr The bdaddr specifies the Bluetooth Address to use. Some devices (like the STLC2500) do not store the Bluetooth address in hardware memory. Instead it must be uploaded during the initialization process. If this argument is specified, then the address will be used to initialize the device. Otherwise, a default address will be used.

RESOURCES

<<http://www.bluez.org>>

REPORTING BUGS

<linux-bluetooth@vger.kernel.org>

Author

Maxim Krasnyansky <maxk@qualcomm.com>, Nils Faerber <nils@kernelconcepts.de>

Copyright

Free use of this software is granted under the terms of the GNU Lesser General Public License (LGPL).

BlueZ

Jan 22, 2002

hciattach(1)