



Linux Ubuntu 26.04 Manual Pages on command 'bluetoothctl-endpoint.1'

\$ man bluetoothctl-endpoint.1

bluetoothctl-endpoint(1) Linux System Administration bluetoothctl-endpoint(1)

Name

bluetoothctl-endpoint - Endpoint Submenu

SYNOPSIS

bluetoothctl [--options] [endpoint.commands]

Endpoint Commands

list

List available endpoints.

Usage > list [local]

show

Endpoint information.

Usage > show [endpoint]

register

Register Endpoint.

Usage > register <UUID> <codec[:company]> [capabilities...]

Example LC3 BAP source

>endpoint.register 00002bcb-0000-1000-8000-00805f9b34fb 0x06

>Auto Accept (yes/no): y

>Max Transports (auto/value): a

>Locations: a

>Supported Context (value): 3

>Context (value): 3

>CIG (auto/value): a

>CIS (auto/value): a

Example LC3 BAP sink with extra capabilities

>endpoint.register 00002bc9-0000-1000-8000-00805f9b34fb 0x06 "0x03 0xe5 0x03 0x00 0x02 0xe6 0x07"

>Enter Metadata (value/no): n

>Auto Accept (yes/no): y

>Max Transports (auto/value): a

>Locations: a

>Supported Context (value): 3

>Context (value): 3

>CIG (auto/value): a

>CIS (auto/value): a

Example LC3 BAP Broadcast source

>endpoint.register 00001852-0000-1000-8000-00805f9b34fb 0x06

>Auto Accept (yes/no): y

>Max Transports (auto/value): a

>Locations: 3

>Supported Context (value): 1

Example LC3 BAP Broadcast sink

>endpoint.register 00001851-0000-1000-8000-00805f9b34fb 0x06

>Auto Accept (yes/no): y

>Max Transports (auto/value): a

>Locations: 3

>Supported Context (value): 1

Note:

If running the setup with an audio server that has LE Audio support (such as PipeWire) it will automatically register endpoints according to the configured roles. For more details about configuring a Broadcast Source with PipeWire check: <<https://gitlab.freedesktop.org/pipewire/pipewire/-/blob/master/doc/dox/config/pipewire-props.7.md>>

unregister

Unregister Endpoint.

Usage > unregister <UUID/object>

Note:

If the endpoint was registered by an audio server, it can't be unregistered from blue?

toothctl. This must be done by the audio server as well.

config

Configure Endpoint.

Usage > config <endpoint> <local endpoint> [preset]

Note:

If the endpoint was registered by an audio server, it can't be configured from bluetoothctl.

This must be done by the audio server as well.

presets

List available presets.

Usage > presets <endpoint>/<UUID> [codec[:company]] [preset] [codec config] [metadata]

Example using endpoint

```
>presets /local/endpoint/ep0 32_1_1
```

```
>presets /local/endpoint/ep0
```

Preset 32_1_1

Configuration.**>0: len 0x02 type 0x01

Configuration.Sampling Frequency: 32 Khz (0x06)

Configuration.**>1: len 0x02 type 0x02

Configuration.Frame Duration: 7.5 ms (0x00)

Configuration.**>2: len 0x03 type 0x04

Configuration.Frame Length: 60 (0x003c)

Example using UUID

```
>presets 00002bc9-0000-1000-8000-00805f9b34fb 0x06 32_1_1
```

```
>presets 00002bc9-0000-1000-8000-00805f9b34fb 0x06
```

...

```
*32_1_1
```

Example setting up LC3 custom preset

```
>presets 00002bc9-0000-1000-8000-00805f9b34fb 0x06 custom
```

```
>[Codec] Enter frequency (Khz): 48
```

```
>[Codec] Enter frame duration (ms): 10
```

```
>[Codec] Enter channel allocation: 3
```

```
>[Codec] Enter frame length: 100
```

```
>[QoS] Enter Target Latency (Low, Balance, High): Low
```

```
>[QoS] Enter SDU Interval (us): 1000
```

```
>[QoS] Enter Framing (Unframed, Framed): Unframed
>[QoS] Enter PHY (1M, 2M): 2M
>[QoS] Enter Max SDU: 200
>[QoS] Enter RTN: 3
>[QoS] Enter Max Transport Latency (ms): 10
>[QoS] Enter Presentation Delay (us): 20000
>presets 00002bc9-0000-1000-8000-00805f9b34fb 0x06
...
*custom
```

Example setting up LC3 custom preset with extra configuration

```
>presets 00002bc9-0000-1000-8000-00805f9b34fb 0x06 custom "0x03 0xe8 0x00 0x00 0x02 0xe9 0x00"
>[Codec] Enter frequency (Khz): 48
>[Codec] Enter frame duration (ms): 10
>[Codec] Enter channel allocation: 3
>[Codec] Enter frame length: 100
>[QoS] Enter Target Latency (Low, Balance, High): Low
>[QoS] Enter SDU Interval (us): 1000
>[QoS] Enter Framing (Unframed, Framed): Unframed
>[QoS] Enter PHY (1M, 2M): 2M
>[QoS] Enter Max SDU: 200
>[QoS] Enter RTN: 3
>[QoS] Enter Max Transport Latency (ms): 10
>[QoS] Enter Presentation Delay (us): 20000
>presets 00002bc9-0000-1000-8000-00805f9b34fb 0x06
...
*custom
```

RESOURCES

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

REPORTING BUGS

<linux-bluetooth@vger.kernel.org>

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