

Quickstart.

This document shows fastest way of getting started with InputStick, it demonstrates how to press and release simple key combinations, without getting into too many details.

Assumptions: InputStick is not password protected, USB host uses en-US keyboard layout (or compatible).

Note: do not send more than 8 packets during every 100ms period. Ignore incoming data.

- 1) Establish Bluetooth connection with InputStick:
BT2.1: use Bluetooth Serial Port Profile, (SPP),
BT4.0: see (1) bluetooth.pdf for more details. See Android and iOS API for implementation examples and hints.

- 2) Find HID key code in look-up-table:

http://www.usb.org/developers/hidpage/Hut1_12v2.pdf (page 53).

key – key code. Example: „A” = 0x04.

- 3) Use modifier key if necessary (example: you need Shift modifier key to get capital letters).

mod – modifier key.

Modifier key:	Value of <i>mod</i> :
Ctrl (Left)	0x01
Shift (Left)	0x02
Alt (Left)	0x04
GUI (Left) (Windows key)	0x08

- 4) Prepare packet:

Packet header:

0x55	0x02
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Packet payload:

0x00	0x00	0x00	0x00	0x21	0x03	mod	0x00	0x00	0x00	0x00	0x00	0x00	0x00	mod	0x00
key	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00

5) Send header and payload to InputStick:

Send header and payload as a single stream of bytes. Do not remove 0x00 bytes!

0x55, 0x02, 0x00, 0x00, 0x00, 0x00, 0x21, 0x03, ..., 0x00 (total length: 34 bytes).

Example (1):

Type "A" (Shift + "A" key):

mod = 0x02

key = 0x04

Packet header:

0x55	0x02
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Packet payload:

0x00	0x00	0x00	0x00	0x21	0x03	0x02	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x02	0x00
0x04	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00

Example (2):

Type “c” (no modifier key + “C” key):

mod = 0x00

key = 0x06

Packet header:

0x55	0x02
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Packet payload:

0x00	0x00	0x00	0x00	0x21	0x03	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00
0x06	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00

Example (3):

Press Alt + Enter key combination:

mod = 0x04

key = 0x28

Packet header:

0x55	0x02
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Packet payload:

0x00	0x00	0x00	0x00	0x21	0x03	0x04	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x04	0x00
0x28	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x00