

YKUSHXS USB commands structure

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1 USB commands

1.1 Downstream port switching

byte 0	...	byte 63
action	don't care	don't care

The byte values for these commands are listed in the next table.

action byte	Command
0x01	Switch downstream port OFF
0x11	Switch downstream port ON

Once the command is processed as response with the following format is sent.

byte 0	byte 1	...
0x01	echo action code	don't care

Byte 1, of the response message, is the received command *action* byte.

1.2 Downstream port state

byte 0	...	byte 63
0x21	don't care	don't care

Response message.

byte 0	byte 1	...	byte 63
0x01	state	don't care	don't care

The *state* byte can have the following values.

state byte	Command
0x01	Downstream port OFF
0x11	Downstream port ON

1.3 Firmware version

Only for firmware versions 1.1.0 or higher.

byte 0	...	byte 63
0x30	don't care	don't care

Response message.

byte 0	byte 1	byte 2	byte 3	...	byte 63
0x30	major	minor	patch	don't care	don't care

1.4 Data-lines switching

Only for firmware versions 1.1.0 or higher.

The data lines will only be switch ON if the port is switch ON.

byte 0	...	byte 63
action	don't care	don't care

The byte values for these commands are listed in the next table.

action byte	Command
0x40	Switch data-lines OFF
0x41	Switch data-lines ON

Once the command is processed as response with the following format is sent.

byte 0	byte 1	...
0x01	echo action code	don't care

Byte 1, of the response message, is the received command *action* byte.