

Port Switching Commands

Commands from Host to YKUSH 3:

Byte 1	Byte 2	...	Byte 64
Action	Control	Don't Care	Don't Care

Responses from YKUSH 3:

Byte 1	Byte 2	...	Byte 64
Status	Action	Don't Care	Don't Care

From Host to YKUSH 3

Command	Byte 1	Byte 2
Downstream 1 OFF	0x01	0x01
Downstream 2 OFF	0x02	0x02
Downstream 3 OFF	0x03	0x03
All Downstream OFF	0x0A	0x0A
5V Output Port OFF	0x04	0x02
Downstream 1 ON	0x11	0x11
Downstream 2 ON	0x12	0x12
Downstream 3 ON	0x13	0x13
All Downstream ON	0x1A	0x1A
5V Output Port ON	0x14	0x14

Response from YKUSH 3 to Host

Command	Byte 1	Byte 2
Downstream 1 OFF Executed	0x01	0x01
Downstream 2 OFF Executed	0x01	0x02
Downstream 3 OFF Executed	0x01	0x03
All Downstream OFF Executed	0x01	0x0A
5V Output Port OFF Executed	0x01	0x04
Downstream 1 ON Executed	0x01	0x11
Downstream 2 ON Executed	0x01	0x12
Downstream 3 ON Executed	0x01	0x13
All Downstream ON Executed	0x01	0x1A
5V Output Port ON Executed	0x01	0x14
Error Executing Command	0x00	any

Port Status Commands

Commands from Host to YKUSH 3:

Byte 1	Byte 2	...	Byte 64
Action	Control	Don't Care	Don't Care

Responses from YKUSH 3:

Byte 1	Byte 2	Byte 3	Byte 4	...	Byte 64
Status	Action	Status dn2	Status dn3	Don't Care	Don't Care

From Host to YKUSH 3

Command	Byte 1	Byte 2
Downstream 1 Status	0x21	0x21
Downstream 2 Status	0x22	0x22
Downstream 3 Status	0x23	0x23
All Downstream Ports Status	0x23	0x23
5V Output Port Status	0x24	0x24

Response from YKUSH 3 to Host

Response	Byte 1	Byte 2	Byte 3	Byte 4
Downstream 1 Status	0x01	0x01/11	na	na
Downstream 2 Status	0x01	0x02/12	na	na
Downstream 3 Status	0x01	0x03/13	na	na
All Downstream Ports Status	0x01	0x01/11	0x02/12	0x03/13
5V Output Port Status	0x01	0x04/14	na	na
Error	0x00	na	na	na

GPIO Control Commands*Commands from Host to YKUSH 3:*

Byte 1	Byte 2	...	Byte 64
Action	Control	Don't Care	Don't Care

Responses from YKUSH 3:

Byte 1	Byte 2	Byte 3	Byte 4	...	Byte 64
Status	Action	Port	Value	Don't Care	Don't Care

From Host to YKUSH 3

Command	Byte 1	Byte 2	Byte 3
GPIO 1 – Write	0x31	0x01	0x00/01
GPIO 2 – Write	0x31	0x02	0x00/01
GPIO 3 – Write	0x31	0x03	0x00/01
GPIO 1 – Read	0x30	0x01	na
GPIO 2 – Read	0x30	0x02	na
GPIO 3 – Read	0x30	0x03	na

Response from YKUSH 3 to Host

Response	Byte 1	Byte 2	Byte 3	Byte 4
GPIO 1 Writen	0x01	0x31	0x01	0x00/01
GPIO 1 Writen	0x01	0x31	0x02	0x00/01
GPIO 1 Writen	0x01	0x31	0x03	0x00/01
GPIO 1 – Read	0x01	0x30	0x01	0x00/01
GPIO 2 – Read	0x01	0x30	0x02	0x00/01
GPIO 3 – Read	0x01	0x30	0x03	0x00/01
Error	0x00	na	na	na