

BF-450(M)/430 Virtual Com Driver Protocol

1. On-the-fly command

ST	CMD	B	D	P	S	F	Resv1	Other baud	SR Type	Resv2	END	CRC
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Total packet length is 71 bytes

ST (2 bytes): Start Flag 0xFA 0xFA

CMD (2 bytes): Command 0x00 0xFA

B (1 byte): Baudrate

110	0x00
300	0x01
600	0x02
1200	0x03
2400	0x04
4800	0x05
9600	0x06
19200	0x07
38400	0x08
57600	0x09
115200	0x0a
230400	0x0b
OTHER	0x0c

D (1 byte): Data bit

5	0x00
6	0x01
7	0x02
8	0x03

P (1 byte): Parity

None	0x00
Odd	0x01
Even	0x02
Mark	0x03
Space	0x04

S (1 byte): Stop bit

1	0x00
2	0x02

F (1 byte): Stop bit

1	0x00
	0x02

Resv1 (3 bytes)

Other Baud (4 bytes): baud rate value in hex, it is valid only when B field is 0x0c

SR Type (1 byte): Serial Type RS232 0x01
 RS485 0x02

Resv2 (51 bytes)

End (2 bytes): End Flag, 0xFB 0xFB

CRC (1 byte): checksum = 0x00 – total sum from ST to END.

2.Line Status

ST	CMD	DCD	DTR	DSR	RTS	CTS	RI	RESV2	END	CRC
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Total packet length is 71 bytes

ST (2 bytes): Start Flag 0xFA 0xFA

CMD (2 bytes): Command 0x00 0xCA

DCD,DTR,DSR,RTS,CTS,RI (1 byte for each one): 0 / 1 – Low / High

Resv2 (58 bytes)

End (2 bytes): End Flag, 0xFB 0xFB

CRC (1 byte): checksum = 0x00 – total sum from ST to END.