

Buffer I/O ROT2PROG 2005-08-10

S	H1	H2	H3	H4	PH	V1	V2	V3	V4	PV	K	END
57	30..39	30..39	30..39	30..39	(01,02,05)	30..39	30..39	30..39	30..39	(01,02,05)	(0F,1F,2F)	20

HEX

K	
0F	Stop
1F	Status
2F	Set

Angle 0 = 360

PH - divider hor.	
01	1 degree per impuls
02	0,5 degree per impuls

PV - divider vert.	
01	1 degree per impuls
02	0,5 degree per impuls

Driver -> PC (angle)	
H1	* 100
H2	* 10
H3	* 1
H4	/ 10

Driver -> PC (angle)	
V1	* 100
V2	* 10
V3	* 1
V4	/ 10

PC -> Driver (imp)	
H1	* 1000
H2	* 100
H3	* 10
H4	* 1

PC -> Driver (imp)	
V1	* 1000
V2	* 100
V3	* 10
V4	* 1

Example:

Set:

Hor = 123, divider PH=1

Vert = 77, divider PV=1

angle h = 123 + 360 = 483

angle v = 77 + 360 = 437

57	30	34	38	33	01	30	34	33	37	01	2F	20
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Hor = 123, divider PH=2
 Vert = 77, divider PV=2

angle h = (123.5 + 360) * 2 = 967
 angle v = (77 + 360) * 2 = 874

57	30	39	36	37	02	30	38	37	36	02	2F	20
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Stop:

57	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	0F	20
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xx - any value

Status:

57	xx	xx	xx	xx	xx	xx	xx	xx	xx	xx	1F	20
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xx - any value

When send STOP (0F) or STATUS (2F), from driver receive:

Hor = 123, divider PH=1 angle = 123 + 360 = **483** **Angle 0 = 360**
 Vert = 77, divider PV=1 angle = 77 + 360 = **437**

57	04	08	03	00	01	04	03	07	00	01	20
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Hor = 123.5, divider PH=2
 Vert = 77.5, divider PV=2

57	04	08	03	05	02	04	03	07	05	02	20
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