

Ioline Syntax !DD@ SmarTrac™ Data Output

The following table explains the data output by a Smartrac after it receives the !DD@ command.

Data	Description	Values
1	HPGL Origin	1 = Lower left (HPGL 7475), 0 = Center (HPGL 7596)
838000	X Panel Size	0 to 838000 mils (default is 838000)
24000	Y Panel Size	0 to machine width mils, see last data output
100	X scaling	0 to 999 percent (default is 100% or normal size)
100	Y scaling	0 to 999 percent
0	Knife up delay	0 to 65535 milliseconds (default 0)
0	Knife down delay	0 to 65535 milliseconds
10	Acceleration	0 to 10 in tenths of Gs (default is 10)
10	Knife min force	1 to 400 grams (default is 10)
200	Knife max force	1 to 400 grams (default is 200)
15	Knife tip offset	0 to 100 mils (default is 15)
10	Knife overcut	0 to 100 mils (default is 10)
30	Knife lift angle	0 to 180 degrees (default is 30)
1.00000	X calibration	.2 to 5 (usually near 1, this number is used
1.00000	Y calibration	.2 to 5 to ensure cut size accuracy)
0.00000	place holder for backward compatibility (always 0)	
0.00000	place holder for backward compatibility (always 0)	
0	Auto loop	0 disabled, 1 enabled
30000	Auto loop size	1000 to 838000 mils (default 30000)
0	Pounce	0 disabled, 1 enabled
0	Cut Out	0 disabled, 1 enabled
2000	Cut Out cut length in mils (currently no min or max, default 2000)	
60	Cut Out space length in mils (currently no min or max, default 60)	
40	Pounce cut length (currently no min or max, default 40)	
600	Pounce space length (currently no min or max, default 600)	
24100_	The max plot width in mils followed by an underscore indicating end of data	

Note: The defaults listed above are for the Smartrac only.