

# Samsung Drive Parameter Settings

Factory Settings for Samsung Drives

## Contents

Flowline / ZX / Microline

Standalone Saw

Router and Ecoline

Comments

## Flowline / ZX / Microline

Parameter		Flowline / ZX / Microline									Router
		X Axis		Y Axis		Z Axis	R Axis	R Axis	Saw		X Axis
		SH	OH		OH Zx		Old	RSMH	SH	OH	
1	Rpm per Volt	500	500	500		500	500	500	500	500	500
2	P Gain	65	65	110		250	40	40	65	65	60
3	I Gain	25	25	50		160	33	33	25	25	46
4	Pos P Gain	23	23	23		23	23	23	23	23	50
6	T Cut Off Freq	600	600	500		750	750	750	600	600	250
34	Pos FF Gain	0	0	0		0	0	0	0	0	50
36	Gear Num	1024	1024	1024		1024	2048	2048	1024	1024	2048
37	Gear Denom	2048	2048	2048		2048	1024	1024	2048	2048	400
40	Speed cutof freq	0	0	0		0	0	0	0	0	200
41	Control Mode	1	1	1		1	0	0	1	1	0
44		0	1000	1000	0	1000	0	0	1000	0	10
44-1	Stop Method	0	0	0	0	0	0	0	0	0	0
44-2	After Stop	0	0	0	0	0	0	0	0	0	1
44-3	Emergency Stop	0	0	0	0	0	0	0	0	0	0
44-4	Encoder O/p dir	0	1	1	0	1	0	0	1	0	0
45		0	1000	1000	0	1000	1000	1000	1000	0	0
45-1	Zero Clamp	0	0	0	0	0	0	0	0	0	0
45-2	Trapez / Scurve	0	0	0	0	0	0	0	0	0	0
45-3	Torque filter	0	0	0	0	0	0	0	0	0	0
45-4	Fwd / Reverse	0	1	1	0	1	1	1	1	0	0
45-5	Pulse O/p cct	0	0	0	0	0	0	0	0	0	0
46		40008	40008	40008		40008	40008	40008	40008	40008	40008
46-1	Pulse Form	8	8	8		8	8	8	8	8	8
46-2	Select Set 01 Unit	0	0	0		0	0	0	0	0	0
46-3	Reserved	0	0	0		0	0	0	0	0	0
46-4	Function of CN1 10pin	0	0	0		0	0	0	0	0	0

46-5	Function of CN1 15pin	4	4	4		4	4	4	4	4	4
51	Encoder Type	1	1	1		1	100	107	1	1	1
52	Motor Type	1012	1012	1012		1012	2322	2422	1012	1012	1012
53	Motor Capacity	80	80	80		80	100	100	80	80	80

## Standalone Saw

		Standalone Saw	
		Saw	
Parameter		SH	OH
1	Rpm per Volt	500	500
2	P Gain	125	125
3	I Gain	45	45
4	Pos P Gain	50	50
6	T Cut Off Freq	500	500
34	Pos FF Gain	50	50
36	Gear Num	2048	2048
37	Gear Denom	400	400
40	Speed cutof freq	200	200
41	Control Mode	1	1
44		0	1000
44-1	Stop Method	0	0
44-2	After Stop	0	0
44-3	Emergency Stop	0	0
44-4	Encoder O/p dir	0	1
45		0	1000
45-1	Zero Clamp	0	0
45-2	Trapez / Scurve	0	0
45-3	Torque filter	0	0
45-4	Fwd / Reverse	0	1
45-5	Pulse O/p cct	0	0
46		40000	40000
46-1	Pulse Form	0	0
46-2	Select Set 01 Unit	0	0
46-3	Reserved	0	0
46-4	Function of CN1 10pin	0	0
46-5	Function of CN1 15pin	4	4
51	Encoder Type	1	1
52	Motor Type	1012	1012
53	Motor Capacity	80	80

## Router and Ecoline

		Router	Eco
		X Axis	X Axis (Small motor)

Parameter			RtoL (SH)	LtoR (OH)
1	Rpm per Volt	500	500	500
2	P Gain	60	277	277
3	I Gain	46	356	356
4	Pos P Gain	50	15	15
6	T Cut Off Freq	250	879	879
34	Pos FF Gain	50	50	50
36	Gear Num	2048	2048	2048
37	Gear Denom	400	8192	8192
40	Speed cutof freq	200	251	251
41	Control Mode	0	0	0
44		10	0	0
44-1	Stop Method	0	0	0
44-2	After Stop	1	0	0
44-3	Emergency Stop	0	0	0
44-4	Encoder O/p dir	0	0	0
45		0	0	0
45-1	Zero Clamp	0	0	0
45-2	Trapez / Scurve	0	0	0
45-3	Torque filter	0	0	0
45-4	Fwd / Reverse	0	0	0
45-5	Pulse O/p cct	0	0	0
46		40008	40008	40008
46-1	Pulse Form	8	8	8
46-2	Select Set 01 Unit	0	0	0
46-3	Reserved	0	0	0
46-4	Function of CN1 10pin	0	0	0
46-5	Function of CN1 15pin	4	4	4
51	Encoder Type	1	1	1
52	Motor Type	1012	1012	1012
53	Motor Capacity	80	100	100