

Stepper Motor Register Configuration

Sr.No	Register Name	Address (Hex)	Width (bits)	Bit	Access	Description
1	<i>Control_Reg</i>	0x00	32	[0]	R/W	Direction 0 - Clockwise 1 - Anticlockwise
				[3:1]	R/W	Mode Selection 000 – Wave 001 – Half 010 – Full 011 – Microstep
				[31:4]	R/W	Step Freq = (SYS_FREQ/REQ_FREQ)
2	<i>Command_Reg</i>	0x01	2	[0]	R/W	START Writing 1 to this bit start Stepper motor Read: 1 - Stepper motor rotates 0 - Stepper motor stop rotating
				[1]	W	STOP Writing 1 to this bit, stepper motor stop forcefully
3	<i>Step_Count_Reg</i>	0x02	32	[31:0]	R/W	No of step, stepper motor rotates.