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GRBL Error Codes

UPDATED 4 YEARS AGO BY GEORGE

Error Code	Error Message	Error Description
1	Expected Command Letter	G-code words consist of a letter and a value. Letter was not found.
2	Bad Number Format	Missing the expected G-code word value or numeric value format is not valid
3	Invalid Statement	Grbl '$' system command was not recognized or supported.
4	Value < 0	Negative value received for an expected positive value.
5	Homing Disabled	Homing cycle failure. Homing is not enabled via settings.

Error Code	Error Message	Error Description
7	EEPROM Read Fail	An EEPROM read failed. Auto-restoring affected EEPROM to default values.
8	Not Idle	Grbl '$' command cannot be used unless Grbl is IDLE. Ensures smooth operation during a job.
9	G-Code Lock	G-code commands are locked out during alarm or jog state.
10	Homing Not Enabled	Soft limits cannot be enabled without homing also enabled.
11	Line Overflow	Max characters per line exceeded. File most likely formatted improperly
14	Line Length Exceeded	Build info or startup line exceeded EEPROM line length limit. Line not stored.
15	Travel Exceeded	Jog target exceeds machine travel. Jog command has been ignored.
17	Setting Disabled	Laser mode requires PWM output.

Error Code	Error Message	Error Description
20	Unsupported Command	Unsupported or invalid g-code command found in block. This usually means that you used the wrong Post-Processor to make your file, or that some incompatible code within needs to be manually deleted.
21	Modal Group Violation	More than one g-code command from same modal group found in block.
22	Undefined Feed Rate	Feed rate has not yet been set or is undefined.
23-38	Invalid G-code	Error codes 23-38 all give different reasons for a file failing. To look up further, google "GRBL Error Code [Insert Number] for more information.

How did we do?

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