

M211 Enable/Disable Software Endstops

Feature Name: Enable/Disable Software Endstops

Feature Name in Annotation: software_endstops

Source of Information

Releaselog, pull requests, commits, ifdefs with feature annotation name

Strategy Used:

Feature is identified from the latest release log first. The release log also provides the pull request and commits linked to the feature (see the links and tables below), Ifdefs are also used for speeding up feature location.

Feature Release Version: 1.1.0 – RC8

Time took to Identify and Locate the feature: 0.3 hour

Time took to Understand the Implementation: 0.5 hour

Feature Description:

Add support for M211 to enable or disable the software endstops. This helps to deal with issues where software endstops are preventing calibration, testing, and otherwise getting in the way.

Also, for manual movement, movement is now simply allowed in the direction back towards the center, without jumping back to the perimeter on the first move. The manual movement code is now also consolidated in the `_lcd_move_xyz` function.

Feature Information and Statistics:

PR No.	Merged Time	PR	Commits	Files	Line Added	Line deleted
# 4667	30 Apr 2016	Print job statistics	5	9	154	107

Ratios of sources (%)

RL	PR	CM	Ifdef	DK	CC	SC	GD
50	10	10	30	0	0	0	0

RL: Release Log; **PR:** Pull Request; **CM:** Commit, **Ifdef:** Ifdef Expression; **DK:** Domain Knowledge; **CC:** Code Comment; **SC:** Source Code; **GD:** G-Code Documentation.

Pull Request Links:

<https://github.com/MarlinFirmware/Marlin/pull/4667/files>

Feature Characteristics:

Feature Name	LoFC	NoFL	TD	Completely Wrapped by ifdef
Enable/Disable Software Endstops	90	6	1	No

Feature's Relevant Historical Data

Request(issue) proposed

Time: 17 Aug 2016, by: Screy

<https://github.com/MarlinFirmware/Marlin/issues/4640>