

Command:CUSTOMB (CCB)



Not implemented in Tiger except for programmable logic card, for that see [Tiger Programmable Logic Card \(TGPLC\)](#) documentation and ignore this page.

Shortcut	CCB
Format	CCB Z=[1 to 8]
Units	None
Remembered	Using SS Z
Firmware Required	PLANAR CORRECTION

Planar correction requires the PLANAR CORRECTION firmware module.

CCB Z=1 - Set the current position to point x1, y1, z1.

CCB Z=2 - Set the current position to point x2, y2, z2.

CCB Z=3 - Set the current position to point x3, y3, z3.

Set the current xyz position to the values x1, y1, z1 ... x3, y3, z3 respectively.

CCB Z=4 - Calculate coefficients for planar correction function. Enable planar correction.

CCB Z=5 - Disable planar correction.

CCB Z=6 - Displays actual planar corrected current Z position as long integer.

Note: WHERE Z displays the target position of Z based on the most recently sent MOVE, MOVEREL, or HERE command.

CCB Z=7 - Re-initialize to zero all planar correction variables including x1, y1, z1 ... x3, y3, z3 and planar correction function coefficients. Disable planar correction.

CCB Z=8 - Return the current [planar correction state](#), Z if enabled, G if disabled. MS-2000 firmware v9.54 required

CCB Z=9 - Return the limit check status character. The limit status does not show up on the LCD.

The planar correction index will not move past the stage limits set by the [SU](#) and [SL](#) commands.

Character	Description
N	Not at either limit
U	At the upper limit
L	At the lower limit

Example

Enable planar correction, check z position, and check if planar correction is enabled.

```
CCB Z=4
:A
CCB Z=6
:A Z=12345
CCB Z=8
:A Z
```

Version History

Version		
MS	TG	Description
9.54	-	CCB Z=8 displays the planar correction state

[commands](#), [tiger](#), [ms2000](#), [planar](#)

From:
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Last update: **2025/08/04 18:17**

