

Command:AZERO (AZ)

MS2000 or RM2000 syntax

Shortcut	AZ
Format	AZERO [axis]...
Units	Integers 0-255

Tiger syntax

Shortcut	AZ
Format	AZERO [axis]...
Units	Integers 0-255
Type	Axis-Specific

Automatically adjusts the zero balance of the motor drive card. The expected “zeroed” values of AZ are typically around 127, though acceptable values may fall between 90 and 164. If an axis is not zeroed, the stage may have very different performance in one direction compared to the other, e.g. it may have trouble landing from one direction.

If AZ replies with NOT Zerod , run it again. If its unable to zero, then you may need to change [AA setting](#).

Example

Queries the current AZ parameters.

```
AZ X? Y? Z?
:A X=83 Y=78 Z=59
```

Example

Runs the auto-zeroing algorithm on the X axis. Note: Multiple Axes can be set simultaneously (**AZ X Y Z**)

```
AZ X
:A Zero C:1
A C:1 H:100 L:0
B C:0 H:92 L:0
Bracket H:92 L:76
E C:0 H:92 L:76
E C:0 H:92 L:84
E C:1 H:92 L:88
E C:0 H:90 L:88
Zerod at:90
```

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

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