

Command:SPEED (S)

MS2000 or RM2000 syntax

Shortcut	S
Format	SPEED [axis]=[max speed in mm/sec]...
Units	mm/sec
Remembered	Using SS Z

Tiger syntax

Shortcut	S
Format	SPEED [axis]=[max speed in mm/sec]...
Units	mm/sec
Type	Axis-Specific
Remembered	Using [addr#]SS Z

Sets the maximum speed at which the stage will move during a commanded move (e.g. using MOVE, MOVREL, or the home joystick button; speed during joystick moves is separate and set using the [JSPD command](#)). Speed is set in millimeters per second. Maximum speed is = 7.5 mm/s for standard 6.5 mm pitch leadscrews.

Reply

If there are no errors, a positive reply of :A is sent back.

Example

```
s x? y?
:A X=5.745920 Y=5.745920
S X=1.23 Y=3.21 Z=0.2
:A
```

In the example, the X-axis maximum speed is set to 1.23 mm/s, the Y-axis is set to 3.21 mm/s, and Z-axis is set to 0.2 mm/s.

Special use for MMIRROR_SLAVE on Micro-mirror card

On a Micromirror card with the MMIRROR_SLAVE define the SPEED command has a special meaning (it is otherwise unused with micro-mirror cards) starting in v3.18. It sets the scaling of the slave axis. The default scale is 0.5, meaning the electrical outputs corresponding to the invisible slaved axis will move half as far as the main axis.

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

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