Command:AFLIM (AL)

For CRISP

MS2000 and RM2000 Syntax

Shortcut	AL
Format	AFLIM [X=Log_amp_AGC] [Y=LED_intesity_pot] [Z=in_focus_mm]
Remembered	Using SS Z

Tiger Syntax

Shortcut	AL
Format	[Addr#]AFLIM [X=Log_amp_AGC] [Y=LED_intesity_pot] [Z=in_focus_mm]
Type	Card-Addressed
Remembered	Using [Addr#]SS Z

X/Y: The X and Y arguments of this command to directly read and write values (0 to 255) to the CRISP electronics digital potentiometers. Not recommended for use with host software.

- See the LK M command to adjust the LogAmp_AGC instead of AL X.
- See the UL X command to adjust the LED intensity instead of AL Y.

Z `[in_focus_mm]`: The Z-argument specifies the focus precision (in millimeters) when the lock state changes from K or k to F. Useful for automatic checking of desired focus stability. Also useful to enforce a tighter or looser focus state before indicating a lock condition. Note that this value is overwritten whenever the NA of the objective is specified via the LR Y command as of November 2015.

For Video Autofocus

MS2000 and RM2000 Syntax

Shortcut	AL
Format	AFLIM [X= x-axis highlight] [Y= y-axis highlight] [Z= safety limit enable]
Remembered	Using SS Z

Tiger Syntax

Shortcut	AL
Format	[Addr#]AFLIM [X= x-axis highlight] [Y= y-axis highlight] [Z= safety limit enable]
Type	Card-Addressed
Remembered	Using [Addr#]SS Z

X/Y: The X and Y values set the length and breadth of the Sampled/Highlighted Video area. Range is 0 to 100, with the value of 0 covering 0% of the video frame and 100 covering 90% of video frame.

Z: The Z value enables or disables the 200 µm safety limit described in the AUTOFOCUS OPERATION section on page 4. Setting safety limit enable = 1 enables the safety limit; safety limit enable = 0 disables the safety feature. The default value is 1.

Warning! Disabling the safety limit could result in damage to your optics, your sample, or your focus drive.

```
AL X=80 Y=50 Z=1
:A<CR><LF>
```

```
AL
:N-3
```

Error indicates missing arguments

```
AL X=1000 Y=-12
:N-4
```

Error indicates arguments out of range

```
AL X=90 Y=90
:N-5
```

Error indicates operation failed, try entering one argument at a time

```
AL X? Y? Z?
:A X=80 Y=50 Z=1
```

commands, tiger, ms2000, crisp, autofocus