

# Firmware Modules

You can query the firmware modules with the [BU X](#) command.

Please contact ASI if you need access to a module that you don't currently have.

The # means that the value is a number, for example you could have either RING BUFFER 50 or RING BUFFER 250.

## Shared Modules

Module Name	Description
<a href="#">ADEPT</a>	
AF SINQ	
<a href="#">ARRAY MODULE</a>	
AUTOFOCUS	
CLOCKED DEVICE	
CLOCKED POSITIONS	
<a href="#">CRISP</a>	
DAC OUT	
<a href="#">ENC_INT</a>	SCAN MODULE related
<a href="#">ENC_INT_2</a>	SCAN MODULE related
EXTRA_BUTTONS	
FS_LED	
<a href="#">INO_INT</a>	SCAN MODULE related
JERK CODE	
JS_PULSE	
<a href="#">MULTIAXIS MOVES</a>	
NO CLTCH SW	
PREPULSE	
<a href="#">RING BUFFER #</a>	
<a href="#">SAFE_TURRET</a>	
<a href="#">SCAN MODULE</a>	
SEARCH INDEX	
SEEK_LIMITS	
<a href="#">SERIAL OUT</a>	
SHUTDOWN_TASK	
<a href="#">SINGLEAXIS_FUNCTION</a>	
<a href="#">SLAVE F TO Z</a>	F axis follows Z axis
<a href="#">TRACKING</a>	
XY_KNOBS	

## MS2000 Exclusive Modules

Module Name	Description
ANALOG_LED	
BINARY_OUTPUT	
COUNT_REDUCER	

Module Name	Description
CRASH_DETECT	
DAC_4_TUNE	
DLED	
F_KNOB	
LED DIMMER	
LED Y	
LED Z	
<a href="#">LL COMMANDS</a>	
LS25F	
<a href="#">NO_CHANGE_SETTINGS</a>	
PEDALS	
<a href="#">PLANAR CORRECTION</a>	
SOLENOID_LOCK	
<a href="#">SPEED TRUTH</a>	
<a href="#">TTL_REPORT_INT</a>	
<a href="#">TTL_OUT_REPORT</a>	
<a href="#">TWO_AXIS_CARD</a>	
U_SERVO_LK	

TG1000 Exclusive Modules

Module Name	Description
ALT_AT_BUTTON	
ANALOG LED OUTPUT	
CLUTCH XYKNOB FASTSLOW	
DAC_4CH	
<a href="#">FAST_CIRCLES</a>	
<a href="#">LED_STABILIGHT</a>	
LS_SPIM	
MM AXES FASTSLOWFASTSLOW	
MM_LASER_TTL	
MM_SPIM	
<a href="#">MM_TARGET</a>	
MOVETASK	
MULTIPIEZO	
<a href="#">MicroMirror</a>	
PWM FUNCTIONS	
PWM LED DIMMER	
PZ_SPIM	
SCALE_16	
SCALE_4	
SCAN OPTIMIZED	
<a href="#">SIGNAL_DAC</a>	
SOLENOID_LOCK	
<a href="#">SPEED UNTRUTH</a>	
<a href="#">SRVLK_TTL</a>	

Module Name	Description
STANDARD CLUTCH SWITCH	
<a href="#">TGLED #</a>	
<a href="#">TGPMT #</a>	
TG_PIEZO_DAC	
<a href="#">Tunable Lens</a>	
VARIABLE_ADC_AVG	
XF_SPIM	
ZF_KNOB	

**Note:** On Tiger you will see POSITIONS SAVED or POSITIONS NOT SAVED in the modules section even though this entry is not a firmware module.

Legacy Modules

Module Name	Description
<b>MS-2000</b>	
<a href="#">SEQUENCER</a>	Stage Sequencer
PORT ADDON	I2C Expander Card
CRIFF	Pre-CRISP Autofocus
LSRTRK	Pre-CRIFF Autofocus
<b>TG-1000</b>	
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[tiger, ms2000](#)

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