

Command:JOYSTICK (J)

MS2000 or RM2000 syntax

Shortcut	J
Format	JOYSTICK [axis] $\pm$ or JOYSTICK [axis] = [Manual Input #]
Units	Integer, see table below
Remembered	Using SS Z

Tiger syntax

Shortcut	J
Format	JOYSTICK [axis] $\pm$ or JOYSTICK [axis] = [Manual Input #]
Units	Integer, see table below
Type	Axis-Specific
Remembered	Using [addr#]SS Z

This command enables (+) or disables (-) the input from the default manual control device for the axis (joystick or knob). If you specify an input device number dev, the axis specified will be connected to that input device

Table 1: Valid device assignments

Code	Manual Input Device	Description
0	NONE	
1	DEFAULT	
2	Joystick - X deflection	X-axis default
3	Joystick - Y deflection	Y-axis default
4	Standard Control Knob	Z-axis default for MS-2000
5	X-Wheel	Special hardware required
6	Y-Wheel	
7	ADC CH1 - For ADC_FOLLOW or ADC_LOCK operation.	
8	Foot switch	
9	JX and X-wheel combo	Special hardware required
10	JY and Y-wheel combo	
11	CRISP knob	Used for CRISP system
22	Z-Wheel	TG-1000 only, right side of joypod
23	F-Wheel	TG-1000 only, left side of joypod
100	Add to any other code to make the setting savable with SS Z command	

If there are no errors, the positive reply :A will be returned from the controller

Example

```
J X+ Y+ Z-
:A
```

The above command enables the default X and Y joystick control and disables the Z control knob.

```
J X? Y?
:A X=2 Y=3
```

The above query and reply shows that the X & Y axes use the X & Y joystick driver.

```
J *?
```

The above command queries all axes.

```
J *
```

The above command clears all axes from the joystick and knobs (TG-1000 only, firmware version 3.10 and later)

To set a default value that can be saved in non-volatile memory, add 100 to the argument and execute a SAVESET command.

```
J X=105
:A
```

This makes X-Wheel the default X axis manual control device. This is a setting that can be saved with the SAVESET command.

```
J X?
:A X=2
J X=1
:A
RESET
J X?
:A X=2
J X=105
:A
J X?
:A X=5
ISS Z
:A
RESET
J X?
:A X=5
```

In this session, the default manual input device is changed to X-Wheel. Sets the manual input device to whatever the default value is, which is now X-Wheel (5). Saves the settings. After the reset, the manual input device is set on startup its new saved default value, X-Wheel.

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

From:

<https://asiimaging.com/docs/> - **Applied Scientific Instrumentation**

Permanent link:

<https://asiimaging.com/docs/commands/joystick>

Last update: **2025/09/15 17:29**

