

HexapodCtrl Tango Cpp Class

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HexapodCtrl Class Identification :

Contact : at mail.desy.de - tnunez
Class Family : Motion
Platform : All Platforms
Bus : Not Applicable
Manufacturer : Physik Instrument
Manufacturer ref. : M850 M840 hexapod

HexapodCtrl Class Inheritance :

- [Tango::DeviceImpl](#)
 - HexapodCtrl

HexapodCtrl Class Description :

Controller Class for Hexapod

HexapodCtrl Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
IpAddress	Ip Adress or host name of the device.	String	none
PortNb	Port number	int	none
SimulationMode	0 -> real mode, 1 -> simulation	int	0
TerminalPort	Name of the device in /dev	String	/dev/ttyUSB0

HexapodCtrl Class Commands				
Name	Input type	Output type	Level	Description
State	DEV_VOID	DEV_STATE	OPERATOR	This command gets the device state (stored in its <i>device_state</i> data member) and returns it to the caller.
Status	DEV_VOID	CONST_DEV_STRING	OPERATOR	This command gets the device status (stored in its <i>device_status</i> data member) and returns it to the caller.
WriteSocket	DEV_STRING	DEV_VOID	OPERATOR	Send a command to the Socket
WriteReadSocket	DEV_STRING	DEV_STRING	OPERATOR	Write a command to the socket and get the answer.

CloseSocket	DEV_VOID	DEV_VOID	OPERATOR	Close socket connection.
ReadHexapodStatus	DEV_VOID	DEV_LONG	OPERATOR	0 -> not moving, 1 -> moving
StopHexapod	DEV_VOID	DEV_VOID	OPERATOR	None.

Command State :

This command gets the device state (stored in its *device_state* data member) and returns it to the caller.

State Definition		
Input Argument	Tango::DEV_VOID	none.
Output Argument	Tango::DEV_STATE	State Code
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command Status :

This command gets the device status (stored in its *device_status* data member) and returns it to the caller.

Status Definition		
Input Argument	Tango::DEV_VOID	none.

Output Argument	Tango::CONST_DEV_STRING	Status description
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command WriteSocket :

Send a command to the Socket

WriteSocket Definition		
Input Argument	Tango::DEV_STRING	Command
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command WriteReadSocket :

Write a command to the socket and get the answer.

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WriteReadSocket Definition		
Input Argument	Tango::DEV_STRING	Command
Output Argument	Tango::DEV_STRING	Answer
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command CloseSocket :

Close socket connection.

CloseSocket Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command ReadHexapodStatus :

0 -> not moving, 1 -> moving

ReadHexapodStatus Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_LONG	Answer
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command StopHexapod :

StopHexapod Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

There is no attribute defined.

There is no dynamic attribute defined.

HexapodCtrl Class States	
Name	Description
ON	
FAULT	