

## FMBOxfDCMCtrl Tango Cpp Class

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### FMBOxfDCMCtrl Class Identification :

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Class Family : Motion

Platform : Unix Like

Bus : Serial Line

Manufacturer : none

Manufacturer .  
ref. :

### FMBOxfDCMCtrl Class Inheritance :

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

### FMBOxfDCMCtrl Class Description :

Class connecting to the Double Crystal Monochromator Drive from FMB Oxford via RS232

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## FMBoxfDCMCtrl Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
PortNb	RS232 Port Number	int	0
IpAddr	Ip address of the terminal server	String	none
SimulationMode	0 -> real mode, 1 -> simulation mode	int	none

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FMBoxfDCMCtrl Class Commands				
Name	Input type	Output type	Level	Description
<a href="#">State</a>	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.
<a href="#">Status</a>	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.
<a href="#">WriteAdrPort</a>	DEV_STRING	DEV_VOID	OPERATOR	Send a command to the RS232 port.
<a href="#">WriteReadAdrPort</a>	DEV_STRING	DEV_STRING	OPERATOR	Write a command and get an answer.

<a href="#">CloseAdrPort</a>	DEV_VOID	DEV_VOID	OPERATOR	Close port connection.
<a href="#">StopMoves</a>	DEV_VOID	DEV_VOID	OPERATOR	Send CTRL-A for stopping all movements.

### **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	..

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### **Command WriteAdrPort :**

Send a command to the RS232 port.

<b>WriteAdrPort Definition</b>		
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	..

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### **Command WriteReadAdrPort :**

Write a command and get an answer.

<b>WriteReadAdrPort Definition</b>
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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	..

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### **Command CloseAdrPort :**

Close port connection.

<b>CloseAdrPort Definition</b>		
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	..

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### **Command StopMoves :**

Send CTRL-A for stopping all movements.

<b>StopMoves Definition</b>		
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	..

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**There is no attribute defined.**

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**There is no dynamic attribute defined.**

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<b>FMBoxfDCMCtrl Class States</b>	
<b>Name</b>	<b>Description</b>
ON	Connection open.
FAULT	Problems in connection.