



TANGO
Device
Server

Crosswire Generator User's Guide

CWGenCtrl Class

Revision: - Author: jblume
Implemented in C++

Introduction:

Controller class for steering a Voelker Crosswire Generator

Class Inheritance:

- Tango::Device_4Impl
 - CWGenCtrl

Properties:

Device Properties		
Property name	Property type	Description
Hostname	Tango::DEV_STRING	Hostname of terminal server (or serial device file if compiled for direct serial connection)
PortNo	Tango::DEV_SHORT	Port number on terminal server (or baud rate if compiled for direct serial connection)
NoCrossWires	Tango::DEV_SHORT	Number of crosswires supported by this device

Device Properties Default Values:

Property Name	Default Values
Hostname	No default value
PortNo	No default value
NoCrossWires	4

There is no Class properties.

States:

States	
Names	Descriptions
ON	
FAULT	

Attributes:

Scalar Attributes			
Attribute name	Data Type	R/W Type	Expert
CWGVersion: Controller version string	DEV_STRING	READ	No
ActiveCross	DEV_LONG	READ_WRITE	No
Visible	DEV_LONG	READ_WRITE	No
Selected	DEV_LONG	READ_WRITE	No
X	DEV_LONG	READ_WRITE	No
Y	DEV_LONG	READ_WRITE	No
Width	DEV_LONG	READ_WRITE	No
Height	DEV_LONG	READ_WRITE	No
Brightness	DEV_LONG	READ_WRITE	No

Commands:

More Details on commands....

Device Commands for Operator Level		
Command name	Argument In	Argument Out
Init	DEV_VOID	DEV_VOID
State	DEV_VOID	DEV_STATE
Status	DEV_VOID	CONST_DEV_STRING

1 - Init

- Description:** This commands re-initialise a device keeping the same network connection.
 After an Init command executed on a device, it is not necessary for client to re-connect to the device.
 This command first calls the device *delete_device()* method and then execute its *init_device()* method.
 For C++ device server, all the memory allocated in the *nit_device()* method must be freed in the *delete_device()* method.
 The language device desctructor automatically calls the *delete_device()* method.
- Argin:**
DEV_VOID : none.
- Argout:**
DEV_VOID : none.

- **Command allowed for:**

- Tango::ON
- Tango::FAULT

2 - State

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

- **Argin:**

DEV_VOID : none.

- **Argout:**

DEV_STATE : State Code

- **Command allowed for:**

- Tango::ON
- Tango::FAULT

3 - Status

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

- **Argin:**

DEV_VOID : none.

- **Argout:**

CONST_DEV_STRING : Status description

- **Command allowed for:**

- Tango::ON
- Tango::FAULT

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