



TANGO
Device
Server

LightPhlox User's Guide

LightPhlox Class

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Implemented in C++ - CVS repository: tango-ds

Introduction:

controls the Gardasoft LED Lightning Controller PP520 (Ethernet Controlled)

Class Inheritance:

- Tango::Device_4Impl
 - LightPhlox

Properties:

Device Properties		
Property name	Property type	Description
IpAddress	Tango::DEV_STRING	IP Address of the PP520
Channel	Tango::DEV_USHORT	channel to control (1 or 2) Default : 1

Device Properties Default Values:

Property Name	Default Values
IpAddress	No default value
Channel	1

There is no Class properties.

Attributes:

Scalar Attributes			
Attribute name	Data Type	R/W Type	Expert
intensity: intensity	DEV_DOUBLE	READ_WRITE	No
currentRating: current rating	DEV_DOUBLE	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
EnableKeyboard	DEV_VOID	DEV_VOID
DisableKeyboard	DEV_VOID	DEV_VOID

Device Commands for Expert Level Only		
Command name	Argument In	Argument Out
ExecLowLevelCommand	DEV_STRING	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:**

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:**

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:**

4 - EnableKeyboard

- **Description:** enables the local keyboard
- **Argin:**
DEV_VOID :
- **Argout:**
DEV_VOID :
- **Command allowed for:**

5 - DisableKeyboard

- **Description:** Disables the local keyboard
- **Argin:**
DEV_VOID :
- **Argout:**
DEV_VOID :
- **Command allowed for:**

6 - ExecLowLevelCommand (for expert only)

- **Description:** executes a low level command and returns the result
- **Argin:**
DEV_STRING : the command to execute
- **Argout:**
DEV_STRING : the response string from the device
- **Command allowed for:**

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