



TANGO
Device
Server

id14 eh3 control User's Guide

Wagojacks Class

**Revision: Wagojacks-Release_2_1 - Author: chaize
Implemented in C++ - CVS repository: ESRF**

Introduction:

class to handle a jacks controlled via a wago controller. A jack should have a digital output to send the command 2 digital inputs to detect the position of the jack.

Properties:

Device Properties		
Property name	Property type	Description
Wago_name	Tango::DEV_STRING	name of the wago device
Output_module	Tango::DEV_SHORT	index of the wago module 750-504 to command the jack
Output	Tango::DEV_SHORT	channel on th output module to command the jack
Input_module	Tango::DEV_SHORT	index of the wago module 750-402 on which the end switches are connected
Offlimit_channel	Tango::DEV_SHORT	channel on which the in_limit is connected
Onlimit_channel	Tango::DEV_SHORT	channel on which the outlimit switch is connected

Device Properties Default Values:

Property Name	Default Values
Wago_name	No default value
Output_module	No default value
Output	No default value
Input_module	No default value
Offlimit_channel	No default value
Onlimit_channel	No default value

There is no Class properties.

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
On	DEV_VOID	DEV_VOID
Off	DEV_VOID	DEV_VOID

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 - On

- **Description:** switch the jack ON
- **Argin:**
DEV_VOID :
- **Argout:**
DEV_VOID :
- **Command allowed for:**

5 - Off

- **Description:** switch the jack OFF
- **Argin:**
DEV_VOID :
- **Argout:**
DEV_VOID :
- **Command allowed for:**

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