



**TANGO**  
Device  
Server

# **FrontEndIR User's Guide**

## **FrontEndIR Class**

**Revision: release\_2\_0\_0 - Author: buteau  
Implemented in C++**

### **Introduction:**

IR "FrontEnd" wrapper for compatibility with MachineStatus client

### **Class Inheritance:**

- Tango::Device\_3Impl
  - FrontEndIR

### **Properties:**

## Device Properties

| Property name                     | Property type     | Description   |
|-----------------------------------|-------------------|---|
| <b>ExtractedAttributeProxy</b>    | Tango::DEV_STRING | AttributeProxy name of the Extracted boolean information    |
| <b>IntermediateAttributeProxy</b> | Tango::DEV_STRING | AttributeProxy name of the Intermediate boolean information |
| <b>InsertedAttributeProxy</b>     | Tango::DEV_STRING | AttributeProxy name of the Inserted boolean information     |
| <b>Vs2URL</b>                     | Tango::DEV_STRING | device name of the 2nd Vanne Secteur                        |

### Device Properties Default Values:

| Property Name              | Default Values   |
|----------------------------|------------------|
| ExtractedAttributeProxy    | No default value |
| IntermediateAttributeProxy | No default value |
| InsertedAttributeProxy     | No default value |
| Vs2URL                     | No default value |

**There is no Class properties.**

### Attributes:

| Scalar Attributes  |           |          |        |
|--|-----------|----------|--------|
| Attribute name   | Data Type | R/W Type | Expert |
| <b>frontEndStateValue</b> : code d'état calcule d'après position du miroir Code d'état <><br>Inserted : valeur 1 (Ouverte, Vert) Intermediate : valeur 3 (Fermi½, Blanc)<br>Extracted : valeur 5 (verrouilli½, Rose) Erreur : valeur 4 (Erreur, Rouge) | DEV_LONG  | READ     | No     |

### Commands:

More Details on commands....

## Device Commands for Operator Level

| Command name  | Argument In | Argument Out     |
|---------------|-------------|------------------|
| <b>Init</b>   | DEV_VOID    | DEV_VOID         |
| <b>State</b>  | DEV_VOID    | DEV_STATE        |
| <b>Status</b> | 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:**

### 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:**

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### Commands:

More Details on commands....

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- **Argout:**  
**DEV\_STATE** : State Code
- **Command allowed for:**

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- **Argin:**  
**DEV\_VOID** : none.
- **Argout:**  
**CONST\_DEV\_STRING** : Status description
- **Command allowed for:**

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# FrontEndIR

## Device Commands Description

### FrontEndIR Class

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- **Argout:**  
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