



DOOR SERVICE

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INTRODUCTION

This documentation details the specific set of commands for door devices. These, along with *common commands* conform the complete set of commands available for door devices. Sometimes, certain *common commands* can be overwritten within a specific service, because they change their behavior. In the case of **Door Service**, following commands are overwritten:

- [XPEAK_COMMAND_GET_CAPABILITIES](#)

All commands described here meet the *xpeak* specification [General Message Format](#)

COMMANDS

 **XPEAK_COMMAND_DISABLE_EVENTS** (0x70600DF)

Version: 0706

Description:

Disables the reception of the events. After the execution of this function, the application will not receive any event when the status of the door changes. The reception of the events can be enabled with the command [XPEAK_COMMAND_ENABLE_EVENTS](#).

XPEAK_COMMAND_ENABLE_EVENTS (0x70600DE)

Version: 0706

Description:

Enables the reception of the events. After the execution of this function the application will receive events when the door status changes. The reception of the events can be disabled using the command [XPEAK_COMMAND_DISABLE_EVENTS](#).

Result:

- **int Value**
The value of the current door status.

Events:

XPEAK_RESULT_VALUE_CHANGED (0x70600E0) Since 0706
Event indicating that the door status changed.

- **int Value**
The new status of the door.

XPEAK_COMMAND_GET_CAPABILITIES (0x7060017)

Version: 0706

Description:

Returns the device capabilities. Depending on them, the application behavior should be different and should be adapted to the peripheral characteristics.

Result:

- **int[] Values**
Array with all the possible status values that the door can have. These values will be defined by the application so that the application will define the possible door statuses and the numeric value associated with each status.
- **int[] ValuesToSet**
Array with all the possible status values that can be configured by the application calling the [XPEAK_COMMAND_SET_VALUE](#) command.

 **XPEAK_COMMAND_GET_VALUE** (0x70600C1)

Version: 0706

Description:

Returns the current status of the door. This status value will be one of the possible values defined in the *GetValues* array that returns the [XPEAK_COMMAND_GET_CAPABILITIES](#) command.

 **Result:**

- **int Value**
The current status of the door.

XPEAK_COMMAND_SET_VALUE (0x70600C0)

Version: 0706

Description:

Changes the status of the door. The new status will be specified by the parameter *value*. This status should be one of the values of the array *SetValues* returned by the command [XPEAK_COMMAND_GET_CAPABILITIES](#). Otherwise, the command will return XPEAK_RESULT_INVALID_PARAMETER (0x706003A).

If the status that is intended to set is not possible to be set in that moment (but it is one of the values of the array *SetValues*), the command will return the result XPEAK_RESULT_SEQUENCE_ERROR (0x706009A). For instance, if the present door status is "open", the status "locked" can not be set, since before it, the status should be "closed". In this kind of situations, the XPEAK_RESULT_SEQUENCE_ERROR (0x706009A) is returned.

Parameters:

- **int value**
New door status

Result:

See Common Results