SENSOR SERVICE

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INTRODUCTION

This documentation details the specific set of commands for sensor devices. These, along with *common commands* conform the complete set of commands available for sensor devices. Sometimes, certain *common commands* can be overwritten within a specific service, because they change their behavior. In the case of **Sensor 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 events by the application. Since this command is executed, the application will not receive any event when the status of the sensor changes. The events reception can be enabled with the command XPEAK_COMMAND_ENABLE_EVENTS.

Result:

See Common Results

XPEAK_COMMAND_ENABLE_EVENTS (0x70600DE)

Version: 0706

Description:

Enables the reception of the events by the application. After this command is executed, the application will receive events communicating the sensor status changes. The reception of events can be disabled with the command XPEAK_COMMAND_DISABLE_EVENTS.

Result:

- **int Value**
  The current status of the sensor

Events:

XPEAK_RESULT_VALUE_CHANGED (0x70600E0) Since 0706
  Indicates that the sensor status changed.

- **int Value**
  The new sensor status

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 statuses that the sensor can have. These statuses are defined by the application so that the application defines the possible sensor statuses as well as the numeric value associated with each status.

XPEAK_COMMAND_GET_VALUE (0x70600C1)

Version: 0706

Description:

Returns the current status of the sensor. This status will be one of the possible status contained in the Values array returned by the XPEAK_COMMAND_GET_CAPABILITIES.

Result:

- **int Value**
  The current sensor status.

XPEAK_COMMAND_GET_VALUE (0x70600C1)