BARCODE SERVICE

INDEX

INTRODUCTION

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

- XPEAK_COMMAND_GET_CAPABILITIES
- XPEAK_COMMAND_GET_STATUS

All commands described here meet the *Xpeak* specification General Message Format

COMMANDS

XPEAK_COMMAND_CALIBRATE (0x11030001)

Version: 1103

Description:

Some devices need to be calibrated in order to work properly. This command is used to calibrate the device. If the device needs to read some media to be calibrated, the command enables the barcode reader and finishes immediately. The device will continue reading until the timeout expires, a barcode is read or the command XPEAK_COMMAND_CANCEL_READ is executed. In all three cases the barcode reader stops reading.

If the barcode has been read successfully, a XPEAK_RESULT_CALIBRATION_COMPLETED (0x11030002) event will be sent and, in case the timeout expires, a XPEAK_RESULT_TIMEOUT (0x7060002) event will be sent.

Parameters:

- **int Timeout**
  The read operation of the barcode reader will be enabled during this time (in milliseconds) or until a the required media is inserted. If no media is required to execute the calibration, the event will be sent automatically. If this value is less than zero, the device will read until a media is inserted or the command XPEAK_COMMAND_CANCEL_READ is executed.

  If there is any error, it will be notified by an event.

Result:

See Common Results

Events:

XPEAK_RESULT_CALIBRATION_COMPLETED (0x11030002) Since 1103
This event is thrown when the calibration has been completed.

XPEAK_COMMAND_CANCEL_READ (0x706013D)

Version: 0706

Description:

Disables the read operation of the barcode reader.

Result:

See Common Results

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:

See Common Results

XPEAK_COMMAND_GET_CAPABILITIES (0x7060017)

Version: 1103

Description:

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

Result:

- **boolean CanCalibrate**

  Indicates if the device has the calibration capability, i.e. if it supports the XPEAK_COMMAND_CALIBRATE command

XPEAK_COMMAND_GET_STATUS (0x7060051)

Version: 0706

Description:

This command allows to get different status of the device.

Result:

See Common Results

XPEAK_COMMAND_READ (0x7060106)

Version: 0706

Description:

This command enables the barcode reader and finishes immediately. The device will continue reading until the timeout expires, a barcode is read or the command XPEAK_COMMAND_CANCEL_READ is executed. In all three cases the barcode reader stop reading.

If the barcode has been read successfully, a XPEAK_RESULT_DATA_READ (0x7060142) event will be sent with the barcode data and, in case the timeout expires, a XPEAK_RESULT_TIMEOUT (0x7060002) event will be sent.

Parameters:

- **int Timeout**
  The read operation of the barcode reader will be enabled during this time (in milliseconds) or until a barcode has been read. If this value is less than zero, the device will read until a barcode is read or the command XPEAK_COMMAND_CANCEL_READ is executed.

  If there is any error, it will be notified by an event.

Result:

See Common Results

Events:

XPEAK_RESULT_DATA_READ (0x7060142) Since 0706
  This event is thrown when a barcode has been read.

- **Struct[] Barcodes**
  Array of barcodes read in a single document.

  - **Unicode Data**
    Barcode data read.

  - **Unicode Header**
    If the barcode reader can identify the type of barcode read, it can return that information in this field. This field is optional.