# x0005 - device type and name

Version 2

# deviceTypeName

This feature retrieves the device display name as well as the device type

[0] **getDeviceNameCount**() → deviceNameCount
[1] **getDeviceName**(charIndex) → deviceName
[2] **getDeviceType**() → deviceType

# Overview

The purpose of this feature is to retrieve the device's marketing name and type. The device's marketing name is the one shown on the device's packaging.

| NOTE | The device name should not include any reference to region specific or localised strings. For instance, Logicool, or Logitech are not allowed. |
|---|---|

# Functions and Events

## [0] getDeviceNameCount() → deviceNameCount

getDeviceNameCount returns the length of the device name in single byte characters. Note this does not include any terminating zeros.

### Parameters

**none**

### Returns

**deviceNameCount**

Total size in single byte characters of the device name.

*Table 1. getDeviceNameCount() response packet format*

| byte \ bit | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|
| 0 | | | | deviceNameCount | | | | |

# [1] getDeviceName(charIndex) → deviceName

getDeviceName returns a chunk of characters of the name, starting from the index specified in the requested. The size of the chunk is the entire payload of the transport packet used by the device to respond (HPPLong : 16 characters, HPPShort : 3 characters)

## Parameters

**charIndex**

Zero based index. The function will retrieve as many remaining characters as the payload will allow.

*Table 2. getDeviceName request packet*

| byte \ bit | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|
| 0 | | | | charIndex | | | | |

## Returns

**deviceName**

device name chunk starting at charindex.

*Table 3. getDeviceName() response packet format*

| byte \ bit | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|
| 0 | | | | deviceName[charIndex] | | | | |
| 1 | | | | deviceName[charIndex+1] | | | | |
| n | | | | deviceName[charIndex+n] | | | | |

# [2] getDeviceType() → deviceType

getDeviceName returns the device type best associated with the device.

## Parameters

**none**

## Returns

**deviceType**

device type best associated with the device

*Table 4. getDeviceType() response packet format*

| byte \ bit | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|:---:|
| 0 | | | | deviceType | | | | |

**deviceType**

    one of the following

| Device Type | Value |
|---|---|
| Keyboard | 0 |
| Remote Control | 1 |
| Numpad | 2 |
| Mouse | 3 |
| Trackpad | 4 |
| Trackball | 5 |
| Presenter | 6 |
| Receiver | 7 |
| Headset | 8 |
| Webcam | 9 |
| Steering Wheel | 10 |
| Joystick | 11 |
| Gamepad | 12 |
| Dock | 13 |
| Speaker | 14 |
| Microphone | 15 |
| Illumination Light | 16 |
| Programmable Controller | 17 |
| Car Sim Pedals | 18 |
| Adapter | 19 |

# ChangeLog

- Version 0: Initial version
- Version 1: Added new device types
- Version 2: Added new device types