

# HEALTHCAREDEVICE

This class receives healthcare device instances and defines an administrator call setting that can manage instances.

This class gets the healthcaredevice's instance calling successCallback function for using healthcare device and calls the manager to receive a healthcare device's constant like connection/disconnection and also provides methods to connect/disconnect with a healthcare device, searching available devices, etc.

Add the following line for healthcaredevice class into a html file your own :

```
<script type="text/javascript" src="$MANAGER_WIDGET/Common/webapi/1.0/deviceapis.js"></script>
```

You can declare healthcaredevice class like this :

```
ex) var healthcaredevice = deviceapis.healthcaredevice;
```

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## Constants

Name	Value	Description
MGR_EVENT_DEV_CONNECT	11	device connection event
MGR_EVENT_DEV_CONNECT_FAILED	162	device connection failed event
MGR_EVENT_DEV_DISCONNECT	12	device disconnection event
MGR_EVENT_DEV_SEARCHED	160	device being searched status event
MGR_EVENT_DEV_SEARCH_FINISHED	161	device search completion status event
DEV_INFO_MEASURE_DATA	1	measure data (ex. systolic, diastolic, MAP, weight, height and so on)
DEV_INFO_SYSTEM_INFO	2	System Info (ex. company name, model name, etc.)
DEV_INFO_UNKNOWN	0	Unknown Information
DEV_PULSE_OXIMETER	4100	pulse oximeter, not implemented yet
DEV_BLOOD_PRESSURE_MONITOR	4103	Blood pressure monitor

DEV_TEMPERATURE	4104	thermometer, not implemented yet
DEV_WEIGHING_SCALE	4111	weighing scale
DEV_GLUCOSE_METER	4113	glucose meter, not implemented yet
DEV_PEDOMETER	14413	pedometer, not implemented yet
DEV_UNIT_DIMENSIONLESS	512	dimensionless
DEV_UNIT_PERCENT	544	%
DEV_UNIT_BPM	2720	bpm(beat per minute)
DEV_UNIT_KPA	3843	kPa(Kilo Pascal)
DEV_UNIT_MMHG	3872	mmHg
DEV_UNIT_KG	1731	kg
DEV_UNIT_CM	1297	cm
DEV_UNIT_IN	1376	in(inch)
DEV_UNIT_LB	1760	lb
DEV_UNIT_KGPM_SQ	1952	kg m-2
DEV_UNIT_STEP	6656	steps
DEV_UNIT_CAL	6784	cal(calories)
DEV_UNIT_M	1280	m(meter)
DEV_UNIT_G	1728	g(gram)
DEV_UNIT_UNKNOWN	0	unknown data unit which is out of scope of referring specification
DEV_MANUFACTURER	80	manufacturer
DEV_MODEL_NUMBER	81	model number
MEASURE_DATA_ABS_TIMESTAMP	2448	AbsoluteTime
MEASURE_DATA_BODY_WEIGHT	57664	body weight
MEASURE_DATA_BODY_HEIGHT	57668	body height
MEASURE_DATA_BODY_MASS	57680	body mass
MEASURE_DATA_BODY_FAT	57676	body fat
MEASURE_DATA_PULSE_RATE	18474	pulse rate
MEASURE_DATA_NIBP	18948	(NIBP)Non-Invasive Blood Pressure
MEASURE_DATA_SYSTOLIC	18949	systolic
MEASURE_DATA_DIASTOLIC	18950	diastolic
MEASURE_DATA_MAP	18951	(MAP) Mean Arterial Pressure
MEASURE_DATA_DISTANCE	103	distance
MEASURE_DATA_ENERGY	119	energy
MEASURE_DATA_UNKNOWN	0	unknown data type which is out of scope of referring specification

## Methods

**connectDevice**

Description	
request to connect healthcare device. When device is connected, MGR_EVENT_DEV_CONNECT event will be generated. Connection procedure failed status is indicated by MGR_EVENT_DEV_CONNECT_FAILED event	
Parameters	<b>■strUID</b> - DOMString - address/uniqueID of wanted device
Return	<b>■Boolean</b> - true : connect command executed normally - false : otherwise
Emulator Support	Y
SDK Constraint	None
Example	
<pre>boolean fReturn = deviceapis.healthcaredevice.connectDevices(strUID);</pre>	

## disconnectDevice

Description	
request to disconnect connected healthcare device. When device is disconnected, MGR_EVENT_DEV_DISCONNECT event will be generated.	
Parameters	<b>■strUID</b> - DOMString - address/uniqueID of wanted device
Return	<b>■Boolean</b> - true : disconnect command executed normally - false : otherwise
Emulator Support	Y
SDK Constraint	None
Example	
<pre>boolean fReturn = deviceapis.healthcaredevice.disconnectDevices(strUID);</pre>	

## getHealthcareDevices

Description	
request to get healthcare devices instances.	
Parameters	<b>■successCallback</b> - Function <b>■errorCallback</b> - Function
Return	<b>■Void</b>
Emulator Support	Y
SDK Constraint	None
Example	
<pre>deviceapis.healthcaredevice.getHealthcareDevices(successCallback, errorCallback);</pre>	

## registerManagerCallback

Description	
request to set callback function to receive healthcare device manager event such as MGR_EVENT_DEV_CONNECT / MGR_EVENT_DEV_DISCONNECT.	

Parameters	<b>■callbackFn</b> - Function - callback function that has prototype given as "void callbackFn( ManagerEvent )"
Return	<b>■Void</b>
Emulator Support	Y
SDK Constraint	None
Example	
deviceapis.healthcaredevice.registerManagerCallback(cbFunc);	

## searchDevices

Description	
search request for healthcare devices. MGR_EVENT_DEV_SEARCHED event indicates the search in progress status. MGR_EVENT_DEV_SEARCH_FINISHED event indicates search completion status.	
Parameters	none
Return	<b>■Boolean</b> - true : search command executed normally - false : otherwise
Emulator Support	Y
SDK Constraint	None
Example	
boolean fReturn = deviceapis.healthcaredevice.searchDevices();	