



<b>ID</b>	CS001253	<b>Creation date</b>	December 19, 2008
<b>Platform</b>	S60 5th Edition	<b>Tested on devices</b>	Nokia 5800 XpressMusic
<b>Category</b>	Flash Lite	<b>Subcategory</b>	Sensor

**Keywords (APIs, classes, methods, functions):** Service.Sensor, sensors.FindSensorChannel(), sensors.RegisterForNotification()

## Overview

This code snippet demonstrates how to display sensor data using the Sensor Platform Service for Flash Lite, supported from S60 5th Edition onwards.

## Source

```
// Import Platform Service Interface
import com.nokia.lib.Service;

// Heading of the application
heading_txt.text = "Sensor data (Rotation)";

// Create a new Service object which has Senson data
var sensors = new Service("Service.Sensor", "ISensor");

// Define input parameters for picking Rotation sensor
var inParam = {SearchCriterion:"Rotation"};

// Define result value
var outParams = sensors.FindSensorChannel(inParam);

// Define channel info (rotation)
var channelInfo = outParams.ReturnValue;

// Define valid values for channel info
var channelId = channelInfo[0].ChannelId;
var contextType = channelInfo[0].ContextType;
var quantity = channelInfo[0].Quantity;
var channelType = channelInfo[0].ChannelType;
var location = channelInfo[0].Location;
var vendorId = channelInfo[0].VendorId;
var dataItemSize = channelInfo[0].DataItemSize;
var channelDataTypeId = channelInfo[0].ChannelDataTypeId;
```

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```
var channelInfo = {
    ChannelId:channelId, ContextType:contextType, Quantity:quantity,
    ChannelType:channelType, Location:location, VendorId:vendorId,
    DataItemSize:dataItemSize, ChannelDataTypeId:channelDataTypeId
};

// Define input parameters for listening rotation channel data
var inParams = {ListeningType:"ChannelData", ChannelInfoMap:channelInfo};

// The RegisterForNotification method registers the user to receive data from
// one sensor channel asynchronously
sensors.RegisterForNotification(inParams, callBack);

// Because this is an asynchronous method, you need to define the callback function
// Callback function includes all the channel data
function callBack(transactionID:String, eventID:String, outParam:Object) {
if (outParam.ErrorCode == 0) {
var channelData = outParam.ReturnValue;
var xRot = channelData.XRotation;
var yRot = channelData.YRotation;
var zRot = channelData.ZRotation;
    text = "xRot:" + xRot + "\ry: " + yRot + "\rz: " + zRot;
} else {
var errorId = outParam.ErrorCode;
    text = "Error:" + errorId;
}
};
```

## Postconditions

Rotation values (x,y, and z) are displayed. Values changes when the device moves.

## Example application

The following sample application has been tested in Nokia 5800 XpressMusic (S60 5th Edition, Flash Lite 3.0).

[File:FlashLite Displaying Sensor Data.zip](#)

## See also

- [Flash Lite Developer's Library](#)