

BS2_SetOsdpStandardDeviceSecurityKey 1

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(C++)

[sample_bs2_setosdpstandarddevicesecuritykey.cpp](#)

```
int sdkResult = BS_SDK_SUCCESS;

bool useMaster = true;
BS2_DEVICE_ID id =
(BS2_DEVICE_ID)Utility::selectMasterOrSlaveID(deviceList, useMaster);
if (useMaster)
{
    BS2OsdpStandardDeviceSecurityKey key = { , };
    string keyInfo = Utility::getInput<string>("Please enter the OSDP
security key.");
    memcpy(key.key, keyInfo.c_str(), min(keyInfo.size(),
BS2_OSDP_STANDARD_KEY_SIZE));

    sdkResult = BS2_SetOsdpStandardDeviceSecurityKey(context_, id,
&key);
}
else
{
    sdkResult = BS2_SetOsdpStandardDeviceSecurityKey(context_, id,
NULL);
}

if (BS_SDK_SUCCESS != sdkResult)
    printf("BS2_SetOsdpStandardDeviceSecurityKey call failed: %d",
sdkResult);

return sdkResult;
```

(C#)

[sample_bs2_setosdpstandarddevicesecuritykey.cs](#)

```
UInt32 id = Util.GetInputMasterOrSlaveID(deviceID);
BS2ErrorCode result = BS2ErrorCode.BS_SDK_SUCCESS;

if (id == deviceID) // set key to master
{
```

```
    BS2osdpStandardDeviceSecurityKey keyInfo =
    Util.AllocateStructure<BS2osdpStandardDeviceSecurityKey>();

    Util.HighlightLine(">>>> Please enter the OSDP security key.",
    "security key");
    Console.Write(">>>> ");
    string keyString = Console.ReadLine();
    byte[] buff = Encoding.UTF8.GetBytes(keyString);

    Array.Clear(keyInfo.key, ,
    BS2Environment.BS2_OSDP_STANDARD_KEY_SIZE);
    Array.Copy(buff, , keyInfo.key, , keyString.Length);

    IntPtr ptrKey =
    Marshal.AllocHGlobal(Marshal.SizeOf(typeof(BS2osdpStandardDeviceSecurit
    yKey)));
    Marshal.StructureToPtr(keyInfo, ptrKey, false);

    result =
    (BS2ErrorCode)API.BS2_SetOsdpStandardDeviceSecurityKey(sdkContext, id,
    ptrKey);

    Marshal.FreeHGlobal(ptrKey);
}
else
{
    result =
    (BS2ErrorCode)API.BS2_SetOsdpStandardDeviceSecurityKey(sdkContext, id,
    IntPtr.Zero);
}

if (result != BS2ErrorCode.BS_SDK_SUCCESS)
    Console.WriteLine("Got error({0}).", result);
else
    Console.WriteLine("Call success.");

return result;
```

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<http://kb.supremainc.com/bs2sdk/> - **BioStar 2 Device SDK**

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