

Table of Contents

Communication API	1
<i>Callback Function</i>	1

Communication API

API that controls the device communication having LAN, USB, RS485 for communication interface. To get the status of the connection and the search results in real-time, register a callback function using the [BS2_SetDeviceEventListener](#) function.

- [BS2_SetDeviceEventListener](#): Sets the device search, network connection, and Event listener.
- [BS2_SearchDevices](#): Searches BioStar devices from the subnet.
- [BS2_GetDevices](#): Gets the information of the devices that are being managed.
- [BS2_ConnectDevice](#): Connects to a device through the device ID.
- [BS2_ConnectDeviceVialP](#): Connects to a device through the IP address and Port number.
- [BS2_DisconnectDevice](#): Disconnects with the device.
- [BS2_SetKeepAliveTimeout](#): Sets the keep-alive timeout.
- [BS2_SetNotificationListener](#): Sets the notification listener.
- [BS2_SetServerPort](#): Sets the server port.

Callback Function

```
typedef void (*OnDeviceFound)(uint32_t deviceId);
typedef void (*OnDeviceAccepted)(BS2_DEVICE_ID deviceId);
typedef void (*OnDeviceConnected)(uint32_t deviceId);
typedef void (*OnDeviceDisconnected)(uint32_t deviceId);
typedef void (*OnAlarmFired)(BS2_DEVICE_ID deviceId, const BS2Event* event);
typedef void (*OnInputDetected)(BS2_DEVICE_ID deviceId, const BS2Event* event);
typedef void (*OnConfigChanged)(BS2_DEVICE_ID deviceId, uint32_t configMask);
```

1. *OnDeviceFound*

Callback function that is called when a new BioStar device has been found in the subnet.

2. *OnDeviceAccepted*

Callback function that is called when a BioStar device requests to connect to the BioStar application.

3. *OnDeviceConnected*

Callback function that is called when the device and BioStar application is connected.

4. *OnDeviceDisconnected*

Callback function that is called when the device and BioStar application is disconnected.

5. *OnAlarmFired*

Callback function that is called when the alarm configured to a zone triggers.

6. *OnInputDetected*

Callback function that is called when an input signal is detected.

7. *OnConfigChanged*

Callback function that is called when the configuration of the device is modified.

From:

<https://kb.supremainc.com/kbtest/> - **BioStar 2 Device SDK**

Permanent link:

https://kb.supremainc.com/kbtest/doku.php?id=en:communication_api&rev=1470185176

Last update: **2016/08/03 09:46**