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# Communication API

As API that configures the SSL communication, there are communication interfaces include LAN, USB, and RS485. To get real-time device connectivity and search results, please register the callback function via the [BS2\\_SetDeviceEventListener](#) function.

- [BS2\\_SetDeviceEventListener](#): Sets device search and network connection event listener.
- [BS2\\_SearchDevices](#): Search for devices in subnet.
- [BS2\\_SearchDevicesEx](#): Search for devices in a specific IP address band.
- [BS2\\_GetDevices](#): Gets the managed device information.
- [BS2\\_ConnectDevice](#): Connects the device using the device identifier.
- [BS2\\_ConnectDeviceViaIP](#): Connect devices using IP address and Port.
- [BS2\\_DisconnectDevice](#): Disconnects from the device.
- [BS2\\_SetKeepAliveTimeout](#): Sets the keep-alive timeout.
- [BS2\\_SetNotificationListener](#): Sets the Notification listener.
- [BS2\\_SetServerPort](#): Sets the Server Port.
- [BS2\\_GetServerPort](#): [+ 2.6.3] Gets the Server Port.
- [BS2\\_GetSSLServerPort](#): [+ 2.6.3] Gets the SSL server port.
- [BS2\\_IsConnected](#): Checks device connection status.
- [BS2\\_IsAutoConnection](#): Checks auto connection status.
- [BS2\\_SetAutoConnection](#): Sets auto connection.
- [BS2\\_GetEnableIPv4](#): [+ 2.6.3] Gets IPv4 connection mode.
- [BS2\\_SetEnableIPv4](#): [+ 2.6.3] Sets IPv4 connection mode.
- [BS2\\_GetEnableIPv6](#): [+ 2.6.3] Gets IPv6 connection mode.
- [BS2\\_SetEnableIPv6](#): [+ 2.6.3] Sets IPv6 connection mode.
- [BS2\\_SetServerPortIPv6](#): [+ 2.6.3] Sets server port when connecting IPv6 server mode.
- [BS2\\_GetServerPortIPv6](#): [+ 2.6.3] Gets server port when connecting IPv6 server mode.
- [BS2\\_SetSSLServerPortIPv6](#): [+ 2.6.3] Sets server port when connecting IPv6 server mode using SSL.
- [BS2\\_GetSSLServerPortIPv6](#): [+ 2.6.3] Gets server port when connecting IPv6 server mode using SSL.
- [BS2\\_SetDefaultResponseTimeout](#): [+ 2.6.3] Sets default response timeout between device and server.
- [BS2\\_GetDefaultResponseTimeout](#): [+ 2.6.3] Gets default response timeout between device and server.

## 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 is found in Subnet.

### 2. *OnDeviceAccepted*

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

### 3. *OnDeviceConnected*

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

### 4. *OnDeviceDisconnected*

Callback function that is called when the connection between the device and the BioStar application is lost.

### 5. *OnAlarmFired*

Callback function that is called when an alarm set in the Zone occurs.

6. *OnInputDetected* Callback function that is called when an input signal is generated.

7. *OnConfigChanged* Callback function that is called when the configuration is changed by manipulating the terminal.

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