Guidelines on Connecting a Gear S2 Device Using Wi-Fi

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Overview

This document describes how to connect a Gear S2 device to a Host PC via Wi-Fi.

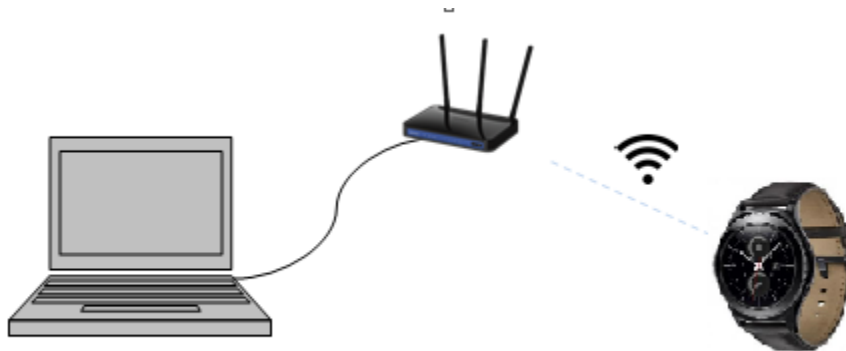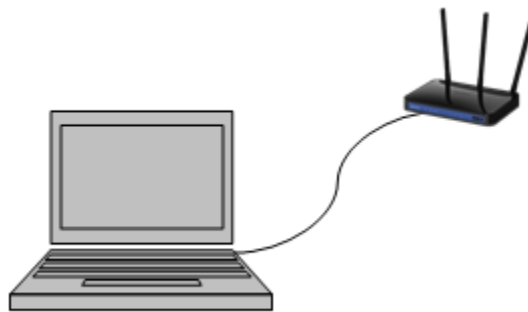To connect a Gear S2 device to a Host PC, a wireless access point is needed.

Figure 1 Connect via Wi-Fi

Instructions

1. Setting up the Host PC

   a.   Connect the Host PC to the Wireless Access Point via UTP cable or Wi-Fi.

2. Setting up the Gear S2 device

   a.   Turn on the Wi-Fi.

   b.   Turn on debugging mode.

Select Settings > Gear Info > Debugging
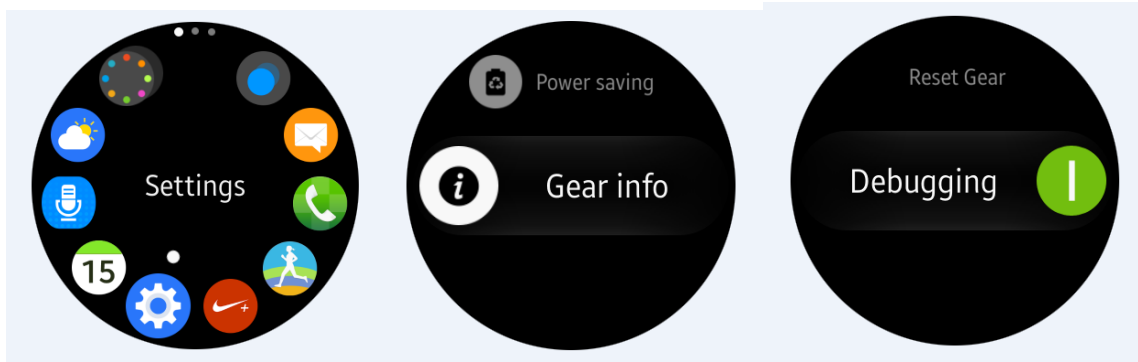
3. Connecting the Gear S2 to the Wireless Access Point through Wi-Fi

From the Wi-Fi menu of the Gear S2 device, find the Wireless Access Point and connect to it.
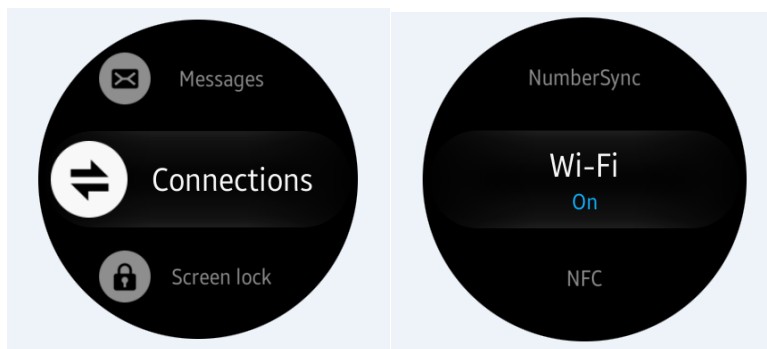
Once connected, find the IP address that the Gear S2 device received from the Access Point via DHCP. This IP address will be used during the sdb connection.

You can get this IP address by checking the information of the access point the Gear S2 device is currently connected to.
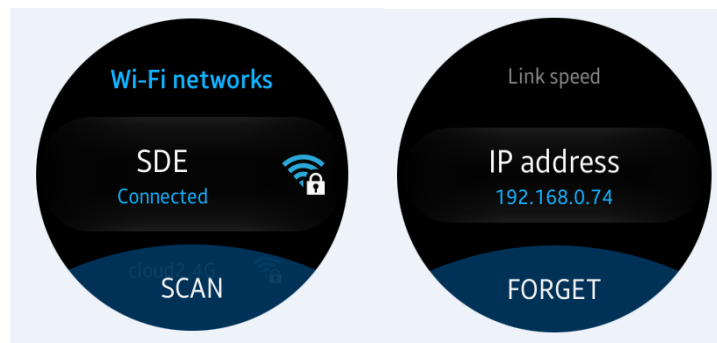
Now you are ready to use sdb shell and gdb.

4. Connecting sdb shell

Open the terminal in the Host PC and use the following **connect** command.

```
$ sdb connect [Gear S2 IP address]:26101
```

Ex)

```
$ sdb connect 192.168.0.130:26101
```

5. Installing the app

Open the terminal in the Host PC and use the following **install** command.

```
$ sdb install [path_to_tpk]
```

Ex)

```
$ sdb install /home/tizen/org.example.test-1.0.0-i386.tpk
```

Once the connection is completed, you can use the sdb command similar to the USB connected case.

Please refer to the link below for more details regarding sdb commands.

https://developer.tizen.org/development/tools/common-tools/smart-development-bridge

Troubleshooting

- Confirm that the sdb version is 2.2.67 or later.

```
$ sdb version
```

- Try the kill-server command when a version warning message is shown.

```
$ sdb kill-server
```

- Turn off Bluetooth to reduce interference with Wi-Fi.
- Move away from charging dock to reduce interference with Wi-Fi.