

Guidelines on Connecting a Watch device to Galaxy Watch Designer

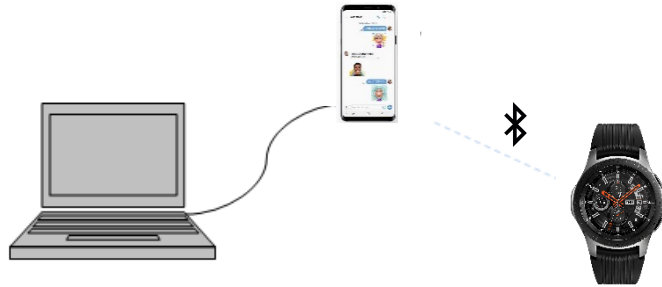


Overview

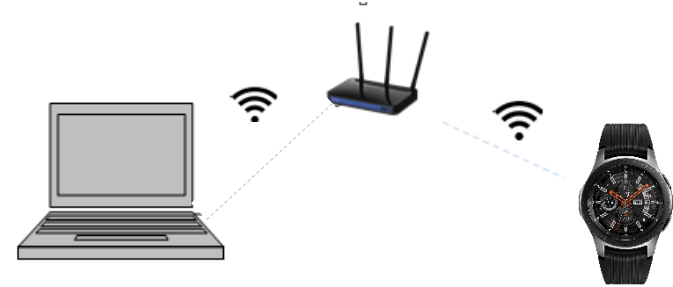
This document describes how to connect a watch device to a Host PC via Wi-Fi or Phone.

SDB over BT : To connect a watch device to a Host PC, a USB cable is needed. (Android phone only)

Wi-Fi: To connect a Watch device to a Host PC, a wireless access point is needed.



SECTION 1. Connect via SDB over BT



SECTION 2. Connect via Wi-Fi



Instructions

SECTION 1. Connect via SDB over BT



1. Setting up the Host PC

- a. Connect your phone to Host PC using a USB cable.



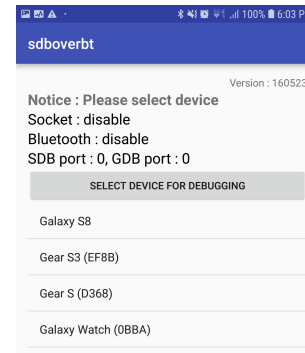
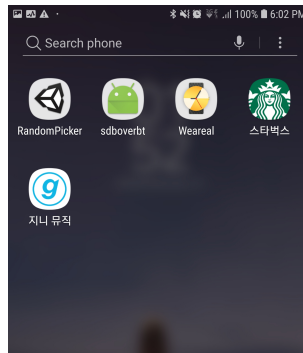
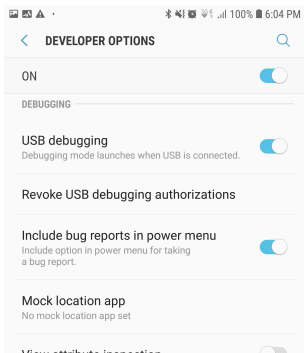
2. Setting up the Watch device

- a. Turn on the Bluetooth.
- b. Turn on debugging mode.
 - Gear: Settings > Gear info > Debugging
 - Galaxy Watch: Settings > About watch > Debugging
- c. Reboot the device might be needed.



Instructions

SECTION 1. Connect via SDB over BT



3. Setting up the Phone

a. Turn on debugging mode.

- Settings > Developer options > USB debugging

※ To show the developer options on a Galaxy mobile, go to **Settings > About device > Software info**, then tap the Build number until **"Developer options enabled"** appears on the screen.

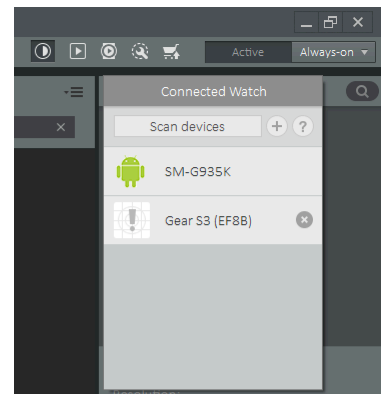
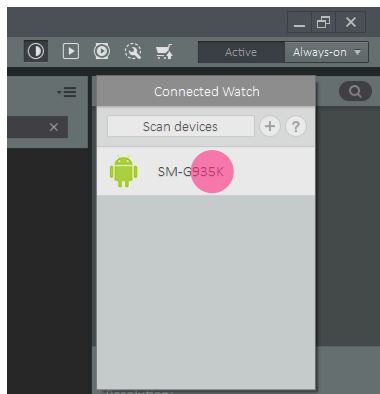
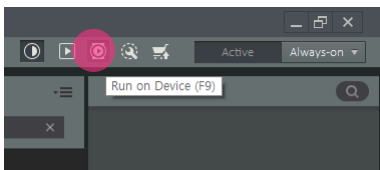
b. You will be asked to install SDB over BT automatically when you start to use the Galaxy Watch Designer, or you can transfer the Connection_Assistant.apk file from the \\GearWatchDesigner\tizen\tools\ folder.

c. Open "sdb over BT" on your phone. Tap "SELECT DEVICE FOR DEBUGGING" Button and select your watch to connect.



Instructions

SECTION 1. Connect via SDB over BT



4. Connecting to Galaxy Watch Designer

- Open the Galaxy Watch Designer and click the **Run on Device** icon on the toolbar.
- Select Your **Phone**, this will start searching Watch devices with in subnet.
- Within a few seconds, you will get the results.

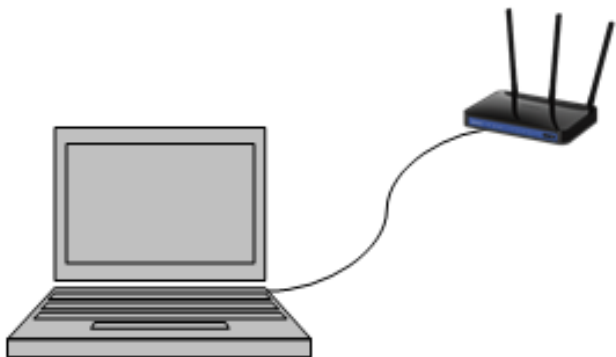
If this is the first time to connect, you will see the below popup on the device. This is for the security. Select **ok** to allow connection. This popup will not be displayed in subsequent connections.

- Once the connection is completed, you can select the device to start the installation and run the Tpk.



Instructions

SECTION 2. Connect via Wi-Fi



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 watch device

- a. Turn on the Wi-Fi.
- b. Turn on debugging mode.
 - Gear: Settings > Gear info > Debugging
 - Galaxy Watch: Settings > About watch > Debugging
- c. Reboot the device.





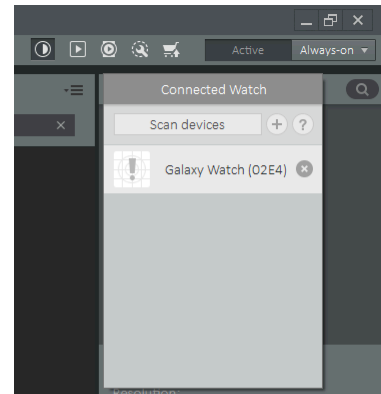
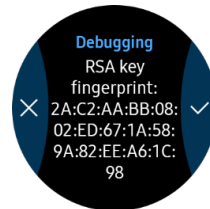
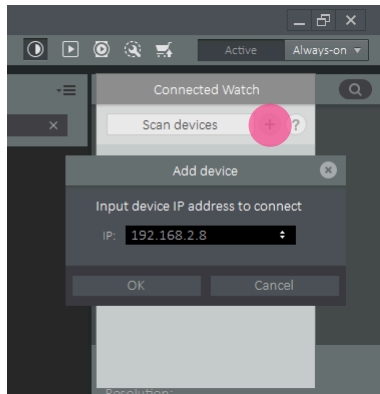
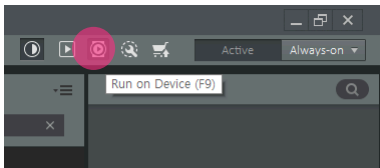
3. Connecting the watch to the Wireless Access Point through Wi-Fi

- From the Wi-Fi menu of the watch device, find the Wireless Access Point and connect to it.
- Once connected, find the IP address that the watch device received from the Access Point via DHCP. This IP address will be shown during the connection in the Galaxy Watch Designer.
You can get this IP address by checking the information of the access point the watch device is currently connected to.
- Now you are ready to connect to the Galaxy Watch Designer.



Instructions

SECTION 2. Connect via Wi-Fi



4. Connecting to Galaxy Watch Designer

- Open the Galaxy Watch Designer and click the **Run on Device** icon on the toolbar.
- Select **+** button and Enter **IP address.**, this will start searching watch devices with in subnet.
- Within a few seconds, you will get the results.

If this is the first time to connect, you will see the below popup on the device. This is for the security. Select **ok** to allow connection. This popup will not be displayed in subsequent connections.

- Once the connection is completed, you can select the device to start the installation and run the Tpk.



Troubleshooting

SECTION 3. Troubleshooting

If **Scan devices** doesn't give any results.

- a. Check if Debugging is ON.
- b. Wake Watch up and retry.
- c. Reboot the watch and retry.
- d. Check if watch and Host PC are connected to the same Access Point.

***Note**

Bluetooth and Wi-Fi cannot be turned on at the same time on the Gear S2 with its initial firmware. However, the latest firmware fixes this issue. To turn on both Bluetooth and Wi-Fi at the same time; the Debugging mode is switched ON with the recent firmware. (Firmware for US and Japan 3G models will soon be available).

To update the firmware, check the watch Software Upgrade in the Galaxy Wearable application on your paired mobile device.

