

Guide to Connecting a Samsung Gear S2 and S3 Device Using Wi-Fi and USB wire



<https://www.electrovo.co.uk>

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Contents

1. Connecting using Wifi:.....	3
1.1 Setting up wifi connection on Samsung Gear S3/S2 device.....	3
2 Connecting using a USB wire:	4
2.1 Motherboard pin out Diagram Samsung Gear S3.....	4
2.2 Motherboard pin out Diagram Samsung Gear S2.....	5
3. Turning on Debugging Mode:	6
4 Connecting adb shell and Commands	6
5 Installing app.....	7
6 Troubleshooting and rebooting:	8

This document is for educational purpose only. Here you will learn how to connect a Samsung Gear S2 and S3 watch to a Host computer by your local wifi Wi-Fi Connection or by a wire. You will need to have a computer, a router or access point and your watch as described in figure 1.

1. Connecting using Wifi:



Figure 1

1.1 Setting up wifi connection on Samsung Gear S3/S2 device

- Turn on the Wi-Fi connection on Gear.
- Connect to local wifi

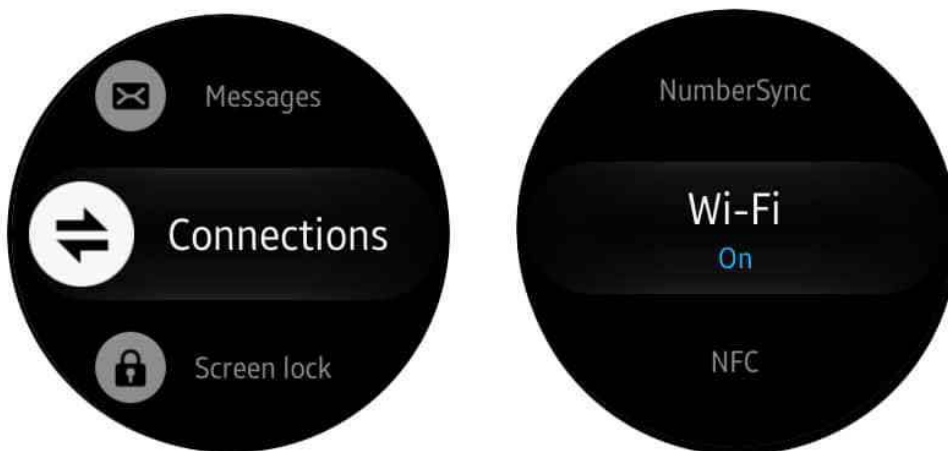


Figure 2

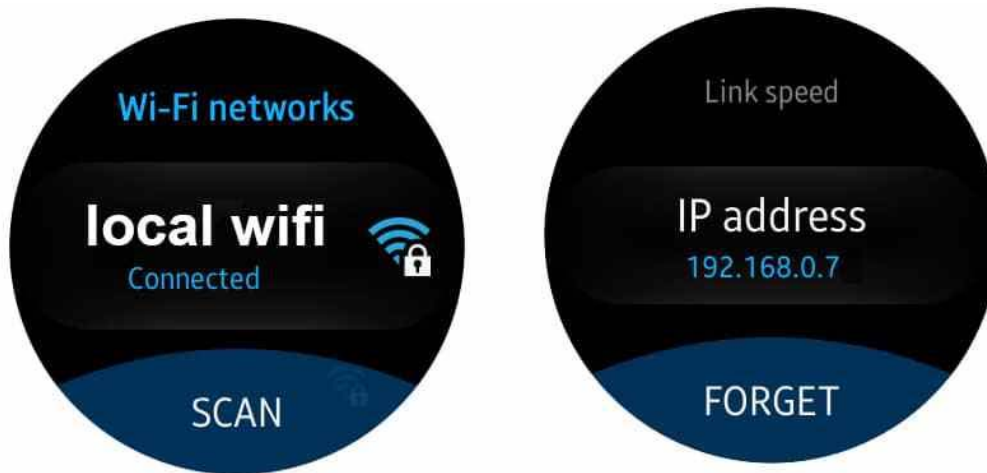


Figure 3

2 Connecting using a USB wire:

2.1 Motherboard pin out Diagram Samsung Gear S3

If the Samsung Gear S3 watch is bricked and can't be connected with a wifi connection, so this method is used to connect the watch with a USB wire.

After Wires are soldered, the Wifi Net Odin can't be used. Its required that Odin be used.

The video on this link will show the method by details

<https://youtu.be/FrKW1av-pLg>

Motherboard Pin out Diagram Samsung Gear S3



Figure 4

2.2 Motherboard pin out Diagram Samsung Gear S2

If the Samsung Gear S2 will not connect by wifi so by soldering a USB wire to Motherboard PIN out connection this problem can be solved.

The video on this link will show the method by details:

<https://electrovo.co.uk/unbrick-samsung-gear-s2-classic-reboot-loop-stack-in-reboot-cant-install/>

Motherboard Pin out Diagram Samsung Gear S2

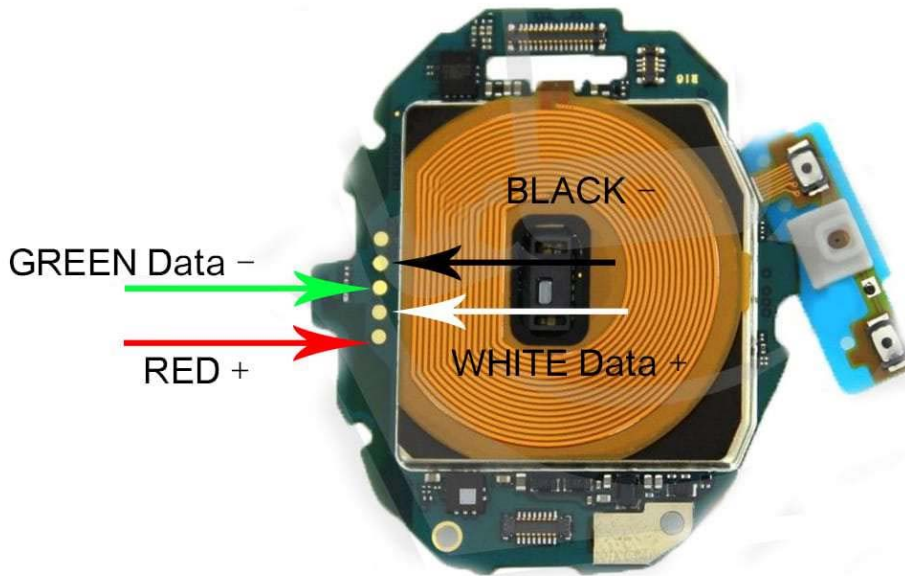


Figure 5

3. Turning on Debugging Mode:

- Turn on debugging mode.
Select Settings > Gear Info > Debugging



Figure 6

4 Connecting sdb shell and Commands

Note the IP from Figure 6 and it will be used for SDB connection.

Open the terminal or ansicon.exe in the Host computer and use the following connect command.

```
> sdb connect [Gear S3 IP address ] :26101
```

Example

```
> sdb connect 192.168.0.7:26101
```

- Turning on/off sdb root

```
> sdb root <on | off>
```

- Push command

```
> sdb push <local> <remote> [--with-utf8]
```

5 Installing app

Use the following command to install an APP *.apk type.

```
> sdb install <pkg_path>
```

Example

```
> sdb install /home/tizen/psiphonepro.apk
```

6 Troubleshooting and rebooting:

- Rebooting command to download mode

```
> sdb shell reboot download
```

- Confirming that the sdb version is 2.2.67 or later

```
> sdb version
```

- Killing-server command when a version warning message is

```
> sdb kill-server
```

Note:

- Turn off your antivirus or firewall for connection.
- Charge your Watch more than 15%
- Turn off the Bluetooth while operation