

If you want to connect your device over wifi adb and access the shell, use below mentioned commands:

1. Check the IP address of the device, for this, make sure you have your device connected to the network, then go to Settings -> Network & Internet -> click on the connected network interface (Wifi/Ethernet) -> The device IP address will be displayed.

Or you can connect the device over USB cable and type,

```
$ adb shell
```

```
$ ifconfig
```

Write down the IP address and then exit from adb and remove the USB cable.

2. Now, connect over the network using IP address,

```
$ adb connect 192.168.0.104:5555 connected to 192.168.0.104:5555
```

```
$ adb shell
```

Sometimes, you may see an error as below,

```
$adb connect 192.168.0.104 unable to connect to 192.168.0.104:5555
```

For this, we need to restart the TCP port. Connect the device over USB cable and type:

```
$ adb tcpip 5555  
restarting in TCP mode port: 5555
```

3. Now, you will be able to connect over the network

```
$ adb connect 192.168.0.104:5555  
connected to 192.168.0.104:5555
```

If you have not removed the USB cable, you might see the same device as two devices:

```
$ adb devices
List of devices attached
B2NGAA8831702707    device
192.168.0.104:5555   device
```

```
$ adb -s 192.168.0.104:5555 shell
B2N_sprout:/ $
```