

Silicon Motion®, Inc.

SMI Android InstantView User Manual

Release History

Date	Changes
11/01/2017	First Draft
11/20/2020	Update the setup UI.

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1. Introduction

SMI InstantView app enables Android device to be a desktop workstation by connecting the Android device to a SMI InstantView dongle or dock station. This app will work with Android Lollipop or later (5.0 or later).

2. Requirements

- Android device (tablet or phone) running OS version Lollipop or later (5.0 or later).
- USB Host Mode enabled on the Android device.
- A USB OTG cable, to connect the SMI device enabled dongle station cable (USB Type A) to the Android device.
- A SMI device. All USB 2.0 and 3.0 devices are supported.

3. Features

- Enables single or dual HDMI output displays up to 1920×1080 60Hz.
- Audio supported
- Monitor hot plug supported

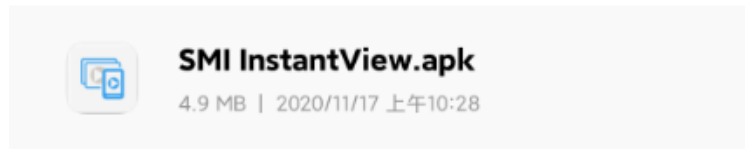
4. How does it work

Connect the device as the picture below, then authorize the app on your device.

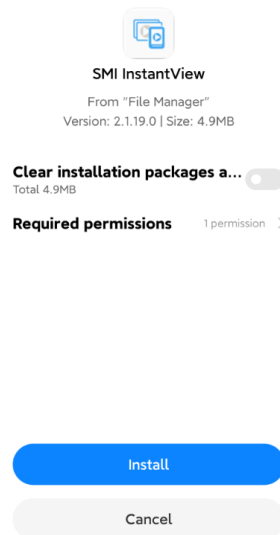


4.1 Installation

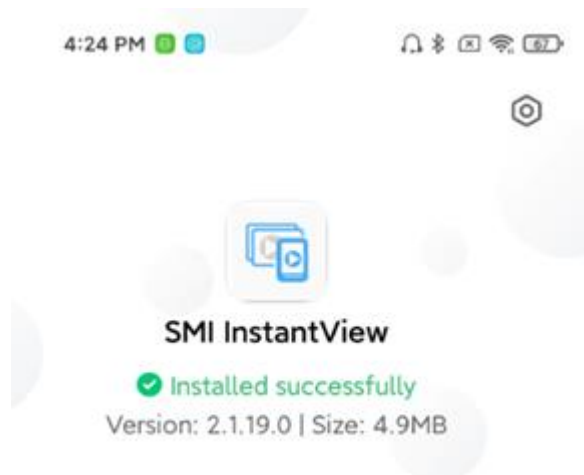
- a) Click “SMI InstantView.apk”



- b) Click “Install”;



- c) After a moment, the installation will finish.



4.2 APP icon and permission

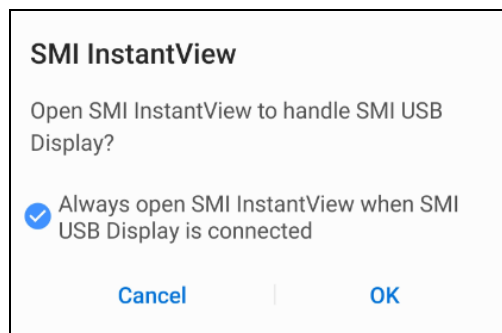
4.2.1 Icon

SMI InstantView APP icon as below:

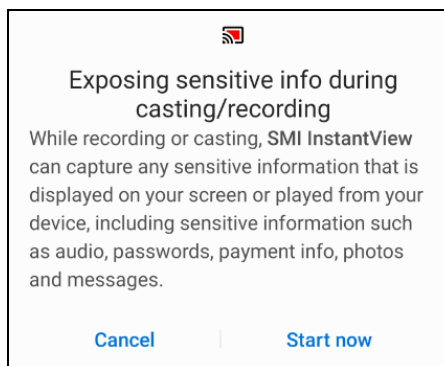


4.2.2 Permission

This message is shown by the OS to allow SMI app permission to communicate on the USB bus. Click “OK” to continue, if you do not want this prompt next time, you can check the “Use by default for this USB device”.



Another message is shown by the Android OS to give permission for the app to capture the screen data from your device. Click “Start now” to continue.

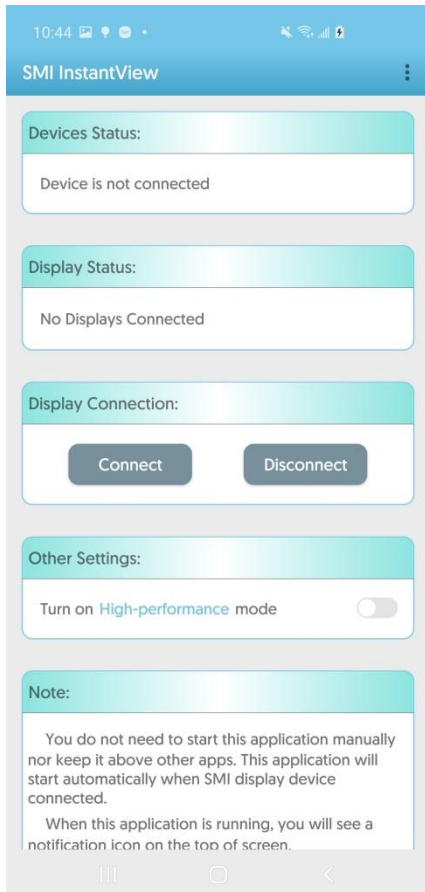


4.3 APP UI and Functions

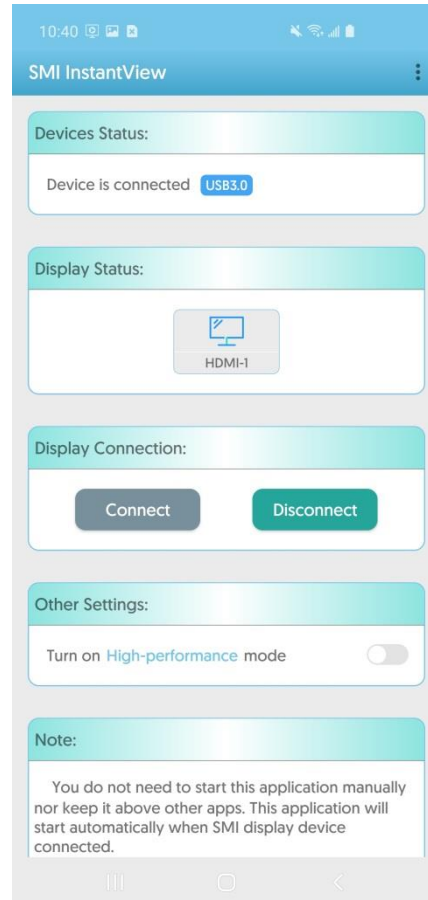
4.3.1 Device & Monitor state

USB and monitor status before and after connected:

1. Before connected



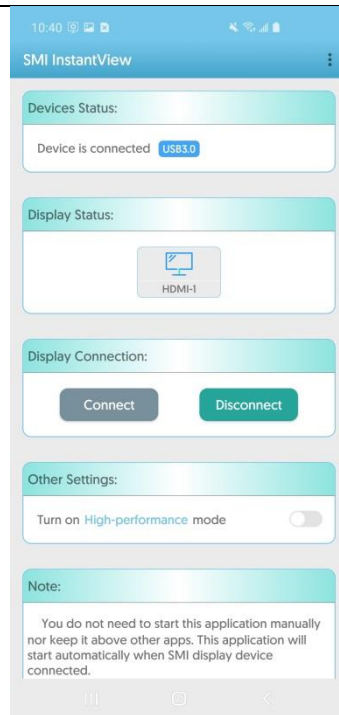
2. After connected



4.3.2 Disconnect & Connect

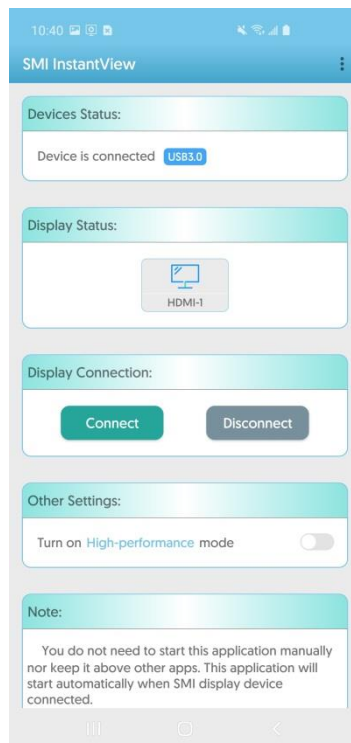
1. You can click Disconnect when you want to turn off the monitor:

Disconnect button highlight :



2. You can click Connect to turn on the monitor:

Connect button highlight :

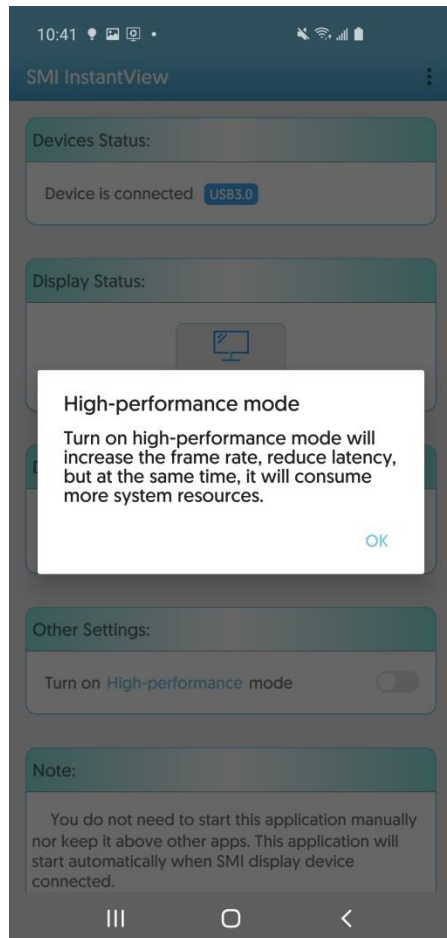


4.3.3 High performance mode

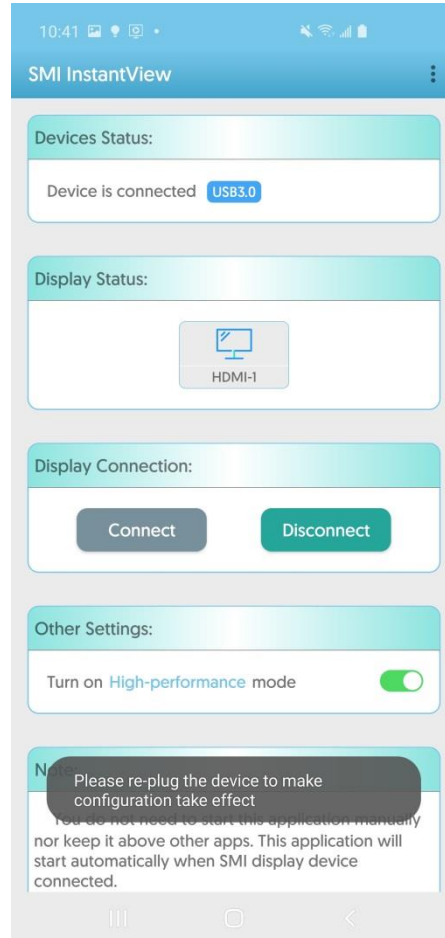
High performance mode is disabled by default, User can only select/switch mode before the SMI USB device is inserted into the mobile phone. During the operation of the software, the change button cannot be switched.

About high performance mode:

1. High performance mode note



2. Need re-plug USB



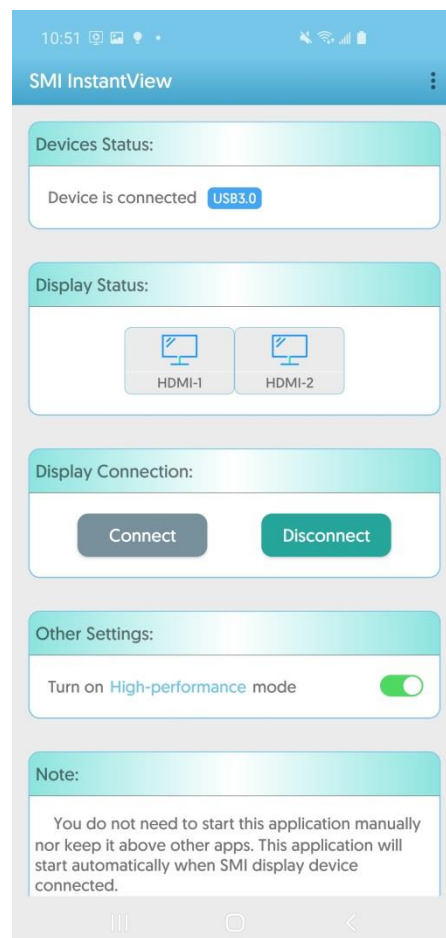
4.3.4 Dual HDMI Output

If two HDMI outputs are supported on your SMI device, you can connect two HDMI monitors at to get the clone view enabled. The software will also synchronously display the connection status of the two monitors.

In this mode, we strongly recommend that you turn on high-performance mode for a better user experience.

Important note: currently, due to limitations, Huawei and Honor series models can only support single channel display temporarily, and the dual channel display function cannot be enabled.

Dual HDMI output enabled:



5. Known limitations

5.1 HUAWEI Series

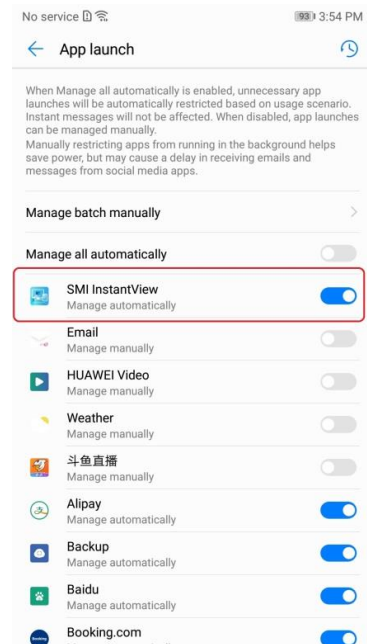
HUAWEI OS will automatically kill those apps that quickly consume battery. You need to set the app mode as follow:

If you are using **Android 8.0 - 8.1:**

1. Enter Settings



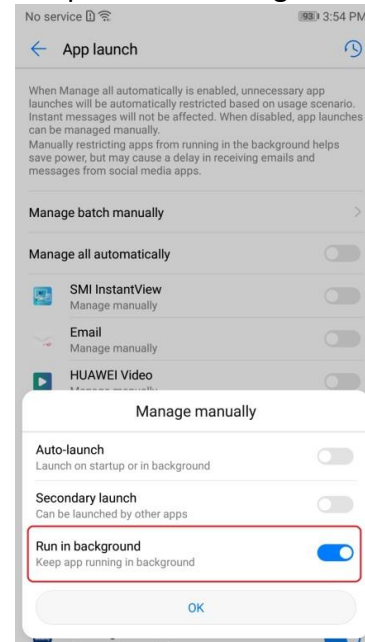
3. Enter SMI Instant View



2. Enter Battery



4. Open Run in background

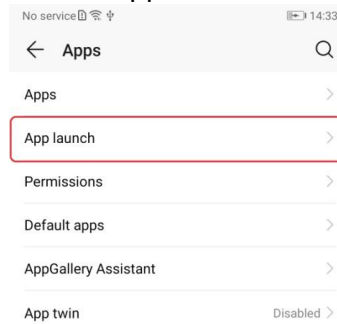


If you are using **Android 9.0:**

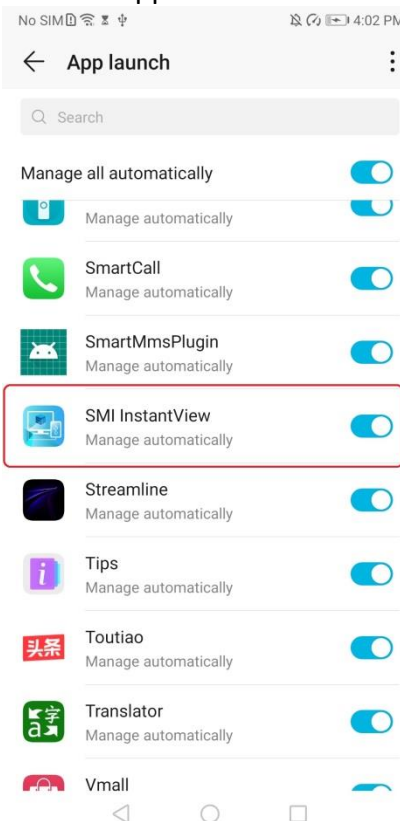
1. Enter Settings



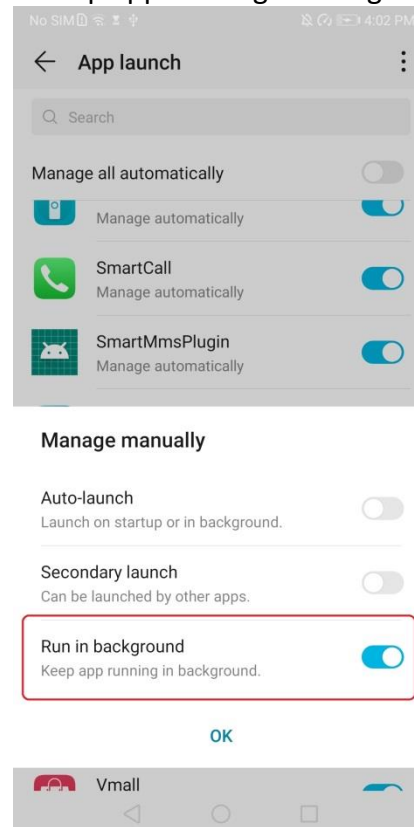
2. Enter Apps



3. Enter App launch



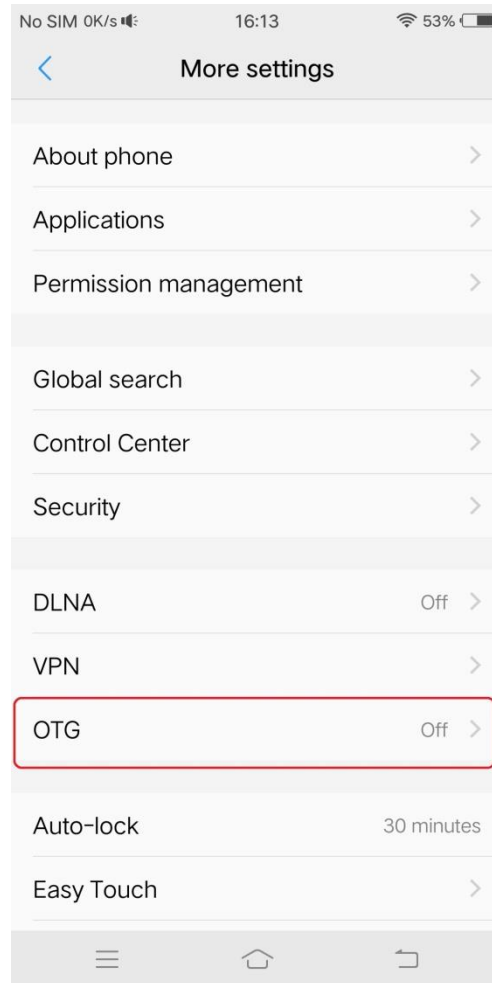
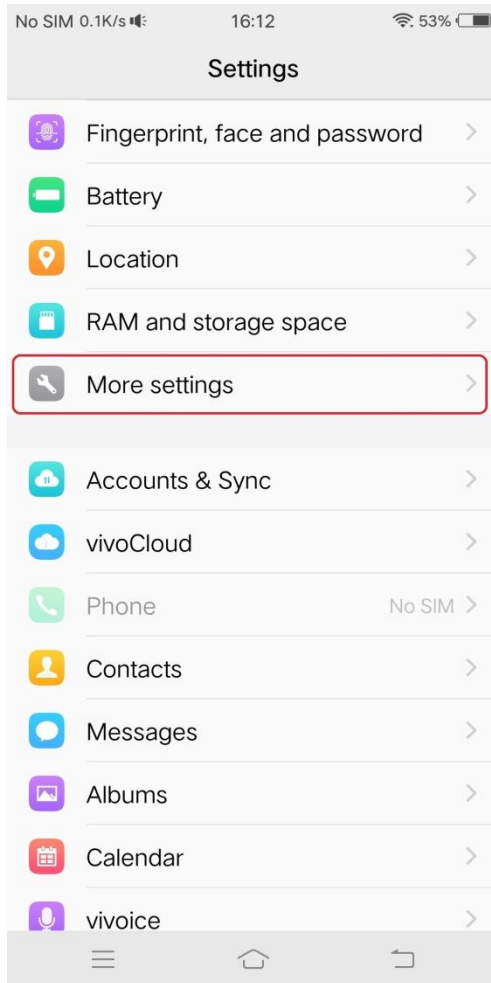
4. Keep app running in background



5.2 Vivo Series

Vivo device may not recognize the SMI USB Display dock due to OTG switch off, you can switch on OTG as the following steps:

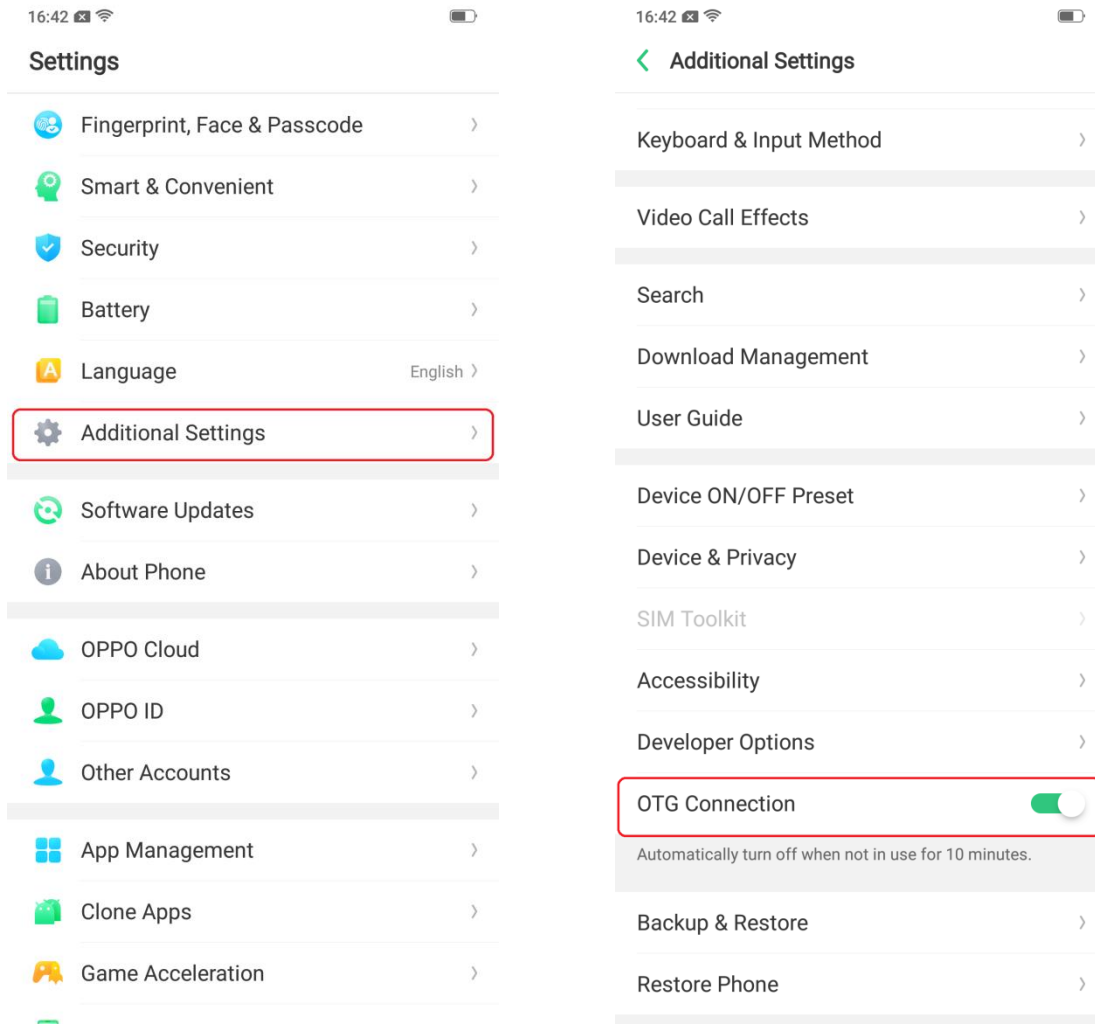
Enter Settings -> More settings -> OTG -> switch on



5.3 Oppo Series

Oppo device should also open OTG switch first:

Enter Settings -> Additional Settings -> Switch on OTG Connection



6. Trouble shooting

- **Why do I often get stuck on the clone screen?**

Please check whether the app background operation permission has been given, and unlimited mode is the best. Check again if high performance mode is on, and close high performance mode. Because the high performance mode will consume more system resources, it may increase the burden of the mobile phones and cause the stuck.