



**Developer Guide** 

# **Enable ADB on Handheld Device**

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## **Revision history**

Document Version	Date	Author	Changes
1.0	2022-01-21	DERMALOG	Initial document

Table 1: Revision history

## **Table of contents**

Introdu	uction	5
Safety	instructions	5
•		
1	Enable USB debugging	6
2	Change USB mode	7
3	Enable ADB via WiFi	8

#### Introduction

This developer guide describes how to enable the <u>Android Debug Bridge</u> (ADB) on a DERMALOG handheld device. The handheld device runs an Android operating system.

## **Safety instructions**

### **NOTICE**

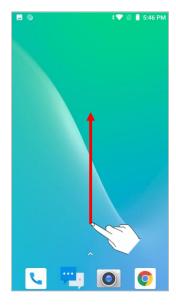
Do not disassemble, modify, repair, remove parts, or open the housing of the DERMALOG handheld device, unless expressly authorized by DERMALOG. Disregarding this warning can result in serious damage to the handheld device and will cause the loss of any warranty. If the warranty label is damaged, all warranty claims are void.

## 1 Enable USB debugging

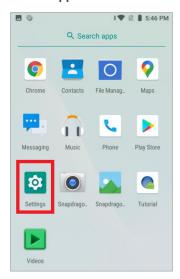
#### **Prerequisites:**

■ The **Home** screen is shown.

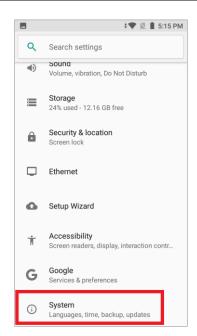
#### **START:**



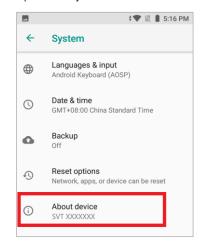
- 1. On the **Home** screen, swipe a finger upwards.
  - ► The **Apps** screen is shown.



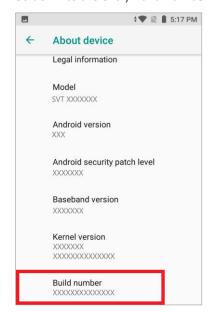
- 2. Open the Settings menu
- **3.** Go down to the entry **System**.



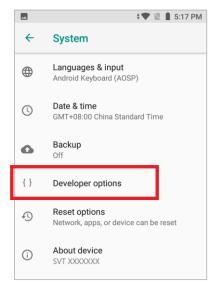
4. Open the System menu.



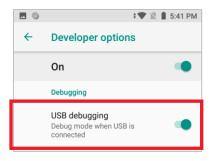
- 5. Open the About device menu.
- **6.** Go down to the entry **Build number**.



- Tap Build number 7 times.
  - ► The message You are now a developer! is shown
- 8. At the top of the screen, tap
  - ► The **System** menu is shown.



- 9. Open the **Developer options** menu.
- 10. Enable USB debugging.



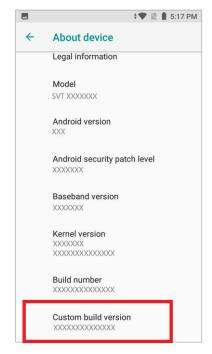
FINISH: You have enabled USB debugging.

## 2 Change USB mode

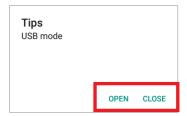
If you want to connect the handheld to an external device via USB cable and the connection is not working, you have to change the USB mode.

#### **START:**

1. Select Settings > System > About device.



2. Tap Custom build number 6 times.



**3.** Select one of the following options:

#### **OPEN:**

- External device can be connected via USB cable for ADB or file transfer.
- No internal USB device can be used (e.g. fingerprint scanner).

#### **CLOSE:**

- No external device can be connected via USB cable.
- Internal USB devices can be used (e.g. fingerprint scanner).

FINISH: You have changed the USB mode.

#### 3 Enable ADB via WiFi

#### **Prerequisites:**

- The handheld device is switched on and connected to a WiFi network.
- The USB mode is *Open*. (See section 2.)
- The handheld's IP address is known (Settings > System > About device > IP address).
- ADB (Android Debug Bridge) has been installed on the computer and is running.

#### **START:**

- 1. Connect a USB cable between the handheld and the computer.
- 2. On the computer, open the command prompt and execute the following commands:
  - a. adb devices
    - ► The devices attached via USB are listed.
  - b. adb tcpip 5555
    - ► The ADB is now running over TCP/IP mode with port : 5555
- 3. Disconnect the USB cable.
- **4.** Execute the following commands:
  - a. adb connect <IP address handheld >
  - b. adb devices
    - ► The devices attached via WiFi are listed.

```
Microsoft Windows [Version 10.0.19044.1466]
(c) Microsoft Corporation. All rights reserved.
U:\>adb devices
List of devices attached
MP0621096D7C98F device

U:\>adb tcpip 5555
restarting in TCP mode port: 5555

U:\>adb connect 192.168.178.58
connected to 192.168.178.58:5555

U:\>adb devices
List of devices attached
192.168.178.58:5555 device
```

**5.** Set the USB mode to *Close*. See section 2.

FINISH: You have enabled ADB via WiFi.

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