



# OXYGEN FORENSICS

## How to connect Android devices

### Hardware and software, you need for connection

- Original USB cable
- Oxygen Forensic® Detective installed on your PC
- Cable drivers from phone manufacturer

### Where to find cable drivers

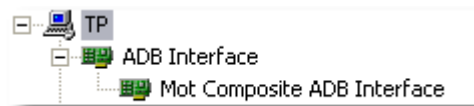
First of all, before connecting the mobile device to PC you must install Android cable drivers. You can use official drivers from the device manufacturer website or download the drivers package from your customer area:

#### Additional files and documents

Description	Release date	Size	Download
<a href="#">Driver pack for Oxygen Forensic Detective (DEMO)</a>	28 October 2019	1186Mb	<a href="#">Download</a>
Device image pack for Oxygen Forensic Detective (DEMO)	20 April 2018	377Mb	<a href="#">Download</a>

### How to check if cable drivers are installed correctly

After drivers installation is finished you need to check if they are installed correctly. Attach a cable to the device and go to *Start/Control panel/System/Hardware/Device Manager* menu on PC. In **ADB Interface** there should be the name of the Android device you have connected. In our case it is Motorola Milestone:



If you do not see it the drivers were not installed correctly.

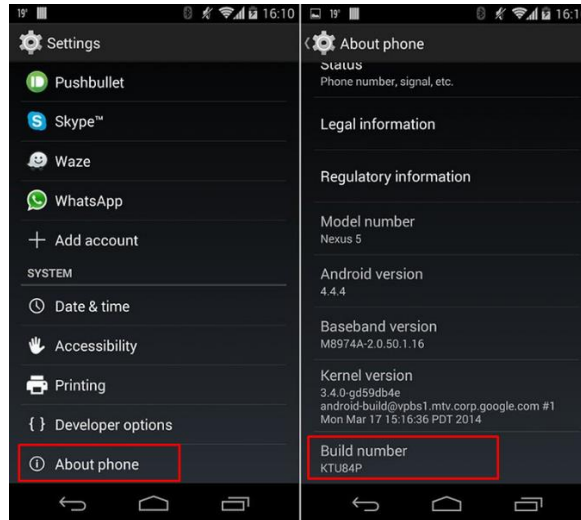
### What options to select in the device

After you installed the drivers you need to perform the following steps before starting our software:

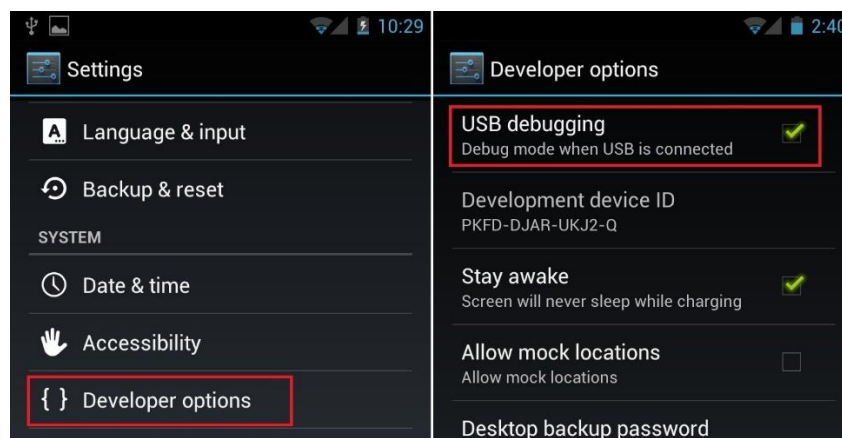
- Enable **Developer mode** on the device. Go to *Settings > About Phone > Build number* menu and tap it 7 times.



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- Then go to *Settings>Developer Options>USB Debugging* menu on the device. Tap the **USB Debugging** checkbox and plug the device in to the computer:



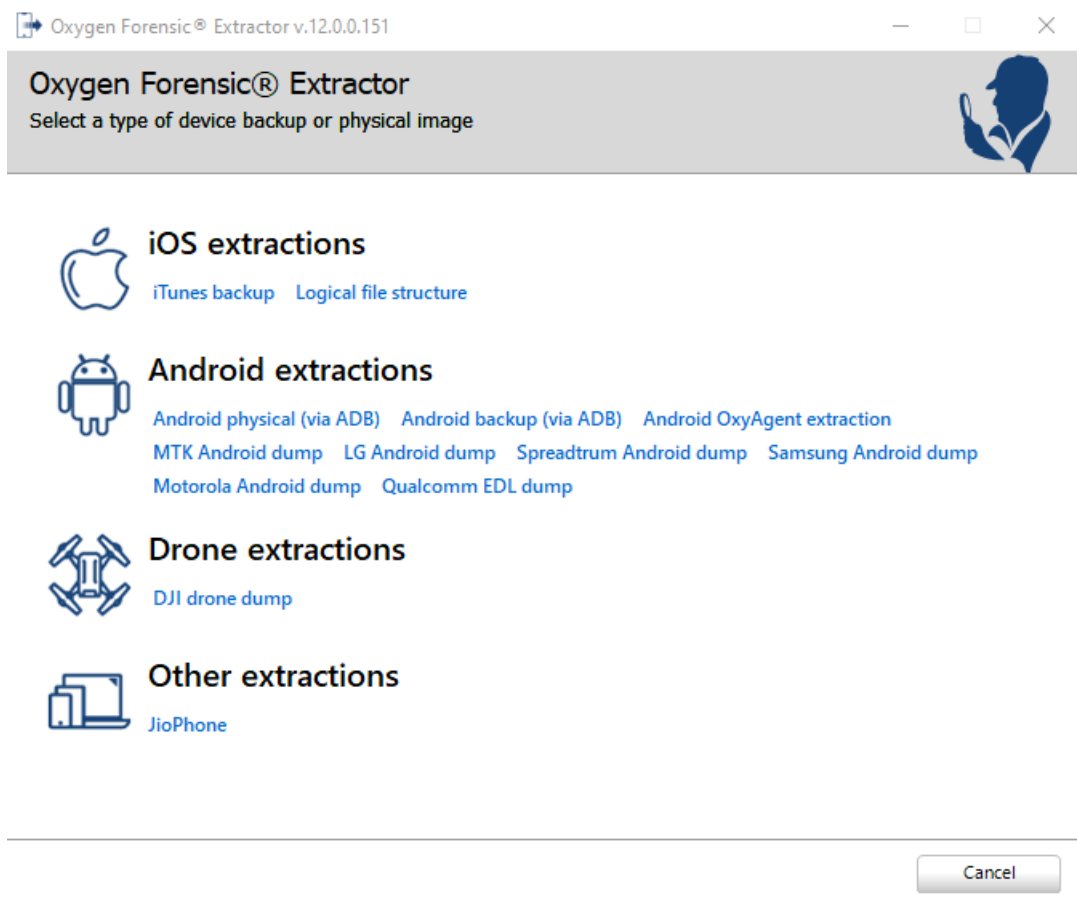
- Once you connect a device running Android 4.2.2 or higher, the PC shows a dialog asking to **accept an RSA key** that allows debugging on this computer. Press OK to allow it.



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## How to connect Android device in Oxygen Forensic® Detective

If all the previous instructions are strictly followed launch Oxygen Forensic® Detective and press *Oxygen Forensic® Extractor* option on the Home screen. Oxygen Forensic® Extractor will be started. Please, choose the method you need under *Android extractions* and follow the instructions to connect the device:



The short description of extraction methods:

- **Android physical (via ADB)** allows you to do a physical dump of an unlocked Android device via rooting.
- **Android backup (via ADB)** creates and parses an Android backup.
- **Android OxyAgent extraction** allows you to collect basic data by installing OxyAgent utility in the device. Please note that the internal file system will not be extracted.
- **MTK Android dump** allows you to create a full physical dump from locked Android devices based on MTK chipsets.
- **LG Android dump** allows you to create a full physical dump from locked LG Android devices.
- **Spreadtrum Android dump** allows you to create a full physical dump from locked Android devices based on Spreadtrum chipsets.
- **Samsung Android dump** allows you to create a full physical dump from locked Samsung Android devices.



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- **Motorola Android dump** allows you to create a full physical dump from locked Motorola Android devices.
- **Qualcomm EDL dump** allows you to create a full physical dump from locked Android devices based on Qualcomm chipsets.

## Troubleshooting

In case you have connection problems with Android devices we recommend you to check how ADB (Android Debug Bridge utility supplied by manufacturer) is functioning. Please do the following:

- Connect your Android device via cable
- Go to *Oxygen Software/Oxygen Forensic Detective/SystemFiles* folder, create a .txt file with the contents, like on the screenshot:

```
adb.exe devices  
pause|
```

Name it device.bat file and launch it. ADB.exe will be started in the same folder. If ADB utility functions well you will see your Android in the list of devices attached. It will have no real name but some figures:

```
C:\WINDOWS\system32\cmd.exe  
c:\Program Files\Oxygen Software\Oxygen Forensic Suite 2010\SystemFiles>adb.exe  
devices  
List of devices attached  
0401406210005017    device
```

If the list of devices is empty, it means that ADB utility does not work and there will be no connection in Oxygen Forensic® Detective. Unless you make ADB utility work correctly there is no way to extract data using our software.