



# OXYGEN FORENSICS

## How to connect Android devices

### Hardware and software, you need for connection

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

### OxyAgent application usage notice

Oxygen Forensic® software offers three methods of data acquisition: Physical dump, Android backup and logical extraction. In case of logical extraction OxyAgent application is installed in the device. The software installs and uninstalls OxyAgent automatically, so you don't need to perform any special actions about it. OxyAgent does not change any user information inside the device.

### 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 (Service/Visit customer area menu in the software):

#### Additional files and documents

Description	Release date	Size	Download
<a href="#">Driver pack for Oxygen Forensic Detective</a>	31 January 2018	598Mb	<a href="#">Download</a>
Device image pack for Oxygen Forensic Detective	21 March 2018	354Mb	<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.

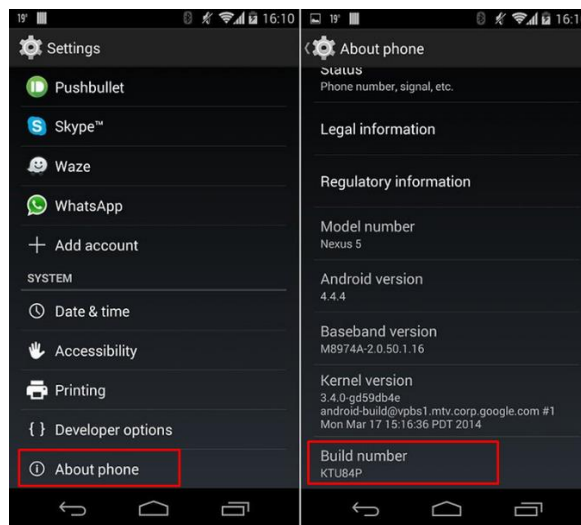


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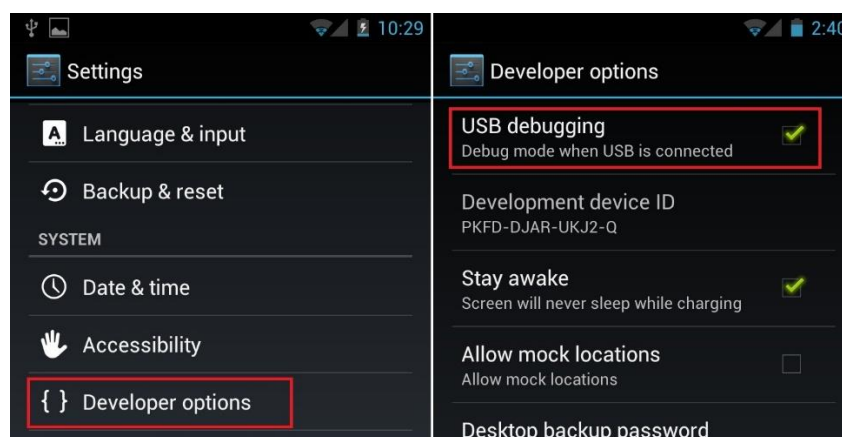
## What options to select in the device

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.



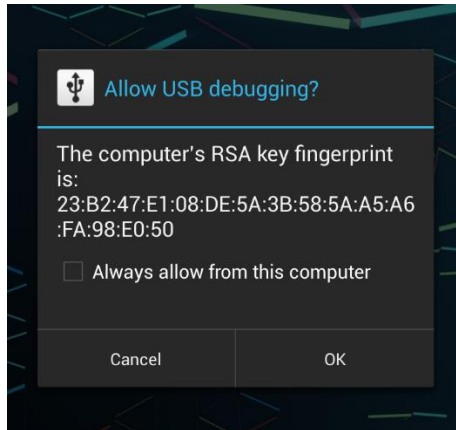
- Then go to *Settings>Developer Options>USB Debugging* menu on the device. Tap the **USB Debugging** checkbox and plug the device in to the computer:





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- 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.



- If Android OS device is password-protected check if it is supported by our bypass methods located under **Physical data acquisition** in Oxygen Forensic® Extractor. If the device is not supported by the bypass methods you must unlock it manually before connecting to our software.



## How to connect Android device in Oxygen Forensic Detective

If all the previous instructions are strictly followed launch Oxygen Forensic® software and press **Connect new device** button on the tool panel. Oxygen Forensic® Extractor will be started. Please, choose **Device Acquisition** mode and wait till the device is connected:



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## Oxygen Forensic® Extractor

Detection of devices connected via cable



### Connect device via cable

Device is detected successfully!

Press **Next** button to start extracting data from the device. Press **Cancel** if you do not need to investigate this device now.

Device information:

Model:	Motorola Moto X Pure Edition TD-LTE (XT1575)
IMEI:	358195070508474
Hardware revision:	N/A
Software revision:	Android OS 6.0

Help

Next >

Cancel

Press **Next** button to finish connection process. Then you will need to fill out the case details, select Watch Lists if necessary and proceed to data extraction mode - either automatic (default) or manual (advanced):

Oxygen Forensic® Extractor v.10.2.0.68

## Oxygen Forensic® Extractor

Select data extraction mode.



### Default mode

Extraction mode with default settings selected according to Android OS and root access availability.



### Advanced mode

Extraction mode for advanced users that allows to select how to acquire data from Android devices.

Help

< Back

Next >

Cancel



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Under Advanced mode you will be able to choose the available extraction methods yourself:

Oxygen Forensic® Extractor  
Select data extraction mode.

**Physical extraction**  
Data extraction via physical dump creation and its parsing.  
Root access is required to create a physical dump.  
[Configure root access acquisition...](#)

**Android backup**  
Data extraction via ADB backup creation and its parsing.  
[Configure options...](#)

**Agent extraction**  
Data extraction via OxyAgent utility.

Select any or all methods and proceed to data extraction.

## 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® software. Unless you make ADB utility work correctly there is no way to extract data using our software.