

DEVICE UPGRADE MANUAL

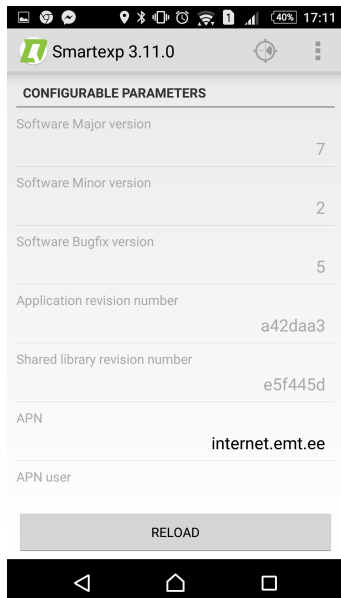
All Smartdec/Reconeyez devices have a hardware platform that hosts a **firmware image** which determines what functions the device has. Firmware images can be easily upgraded to offer new functions to the client. The upgrade is done with the **Handheld unit** (smartphone with Smartexp app and connector mote) wirelessly. It takes **only a few minutes** to upgrade any one device.

BEFORE STARTING

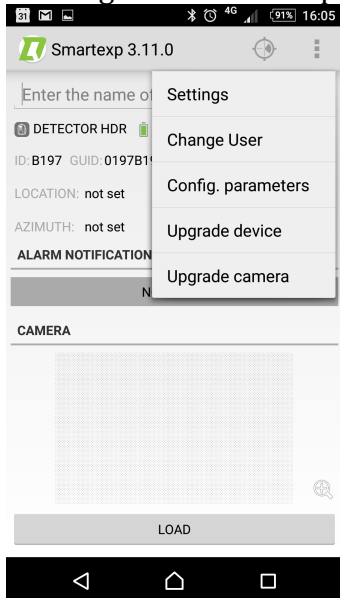
- Download the new firmware images (from the link sent by Defendec support) to the smartphone memory into a folder and remember folder path/name
- Ensure connector mote battery is charged
- Insert batteries into the detector or bridge that you wish to upgrade
- Switch on connector mote (red light must blink fast when battery full)
- Switch on the smartphone Bluetooth function
- Tap on the Smartexp app icon in smartphone and wait until it finds the connector mote
- The device must be in 10 meter radius from the Handheld device
- Press “Scan for devices” in Smartexp app
- The detector/bridge appears in the Smartexp app
- NB! Write down *Bridge Server address, Port number* and *APN* for re-inserting.

I. UPGRADING DEVICE FIRMWARE VERSION

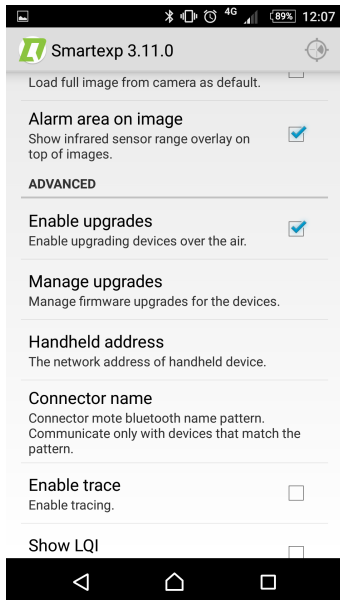
All detectors and bridges have a firmware (FW) image. FW image can be checked with the Handheld in each device’s Configurable parameters menu and it consists of 3 numbers (eg. bridge with firmware 7.2.5). If device firmware is different from the version that Defendec support sent you, then the device needs upgrading.



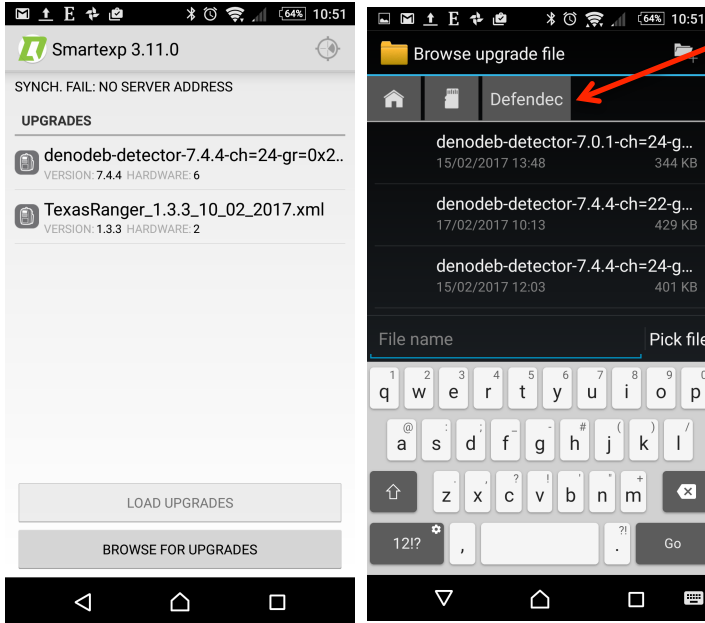
1. Press on the menu button in the upper right corner of the Smartexp app. Choose “Settings” from the drop-down menu.



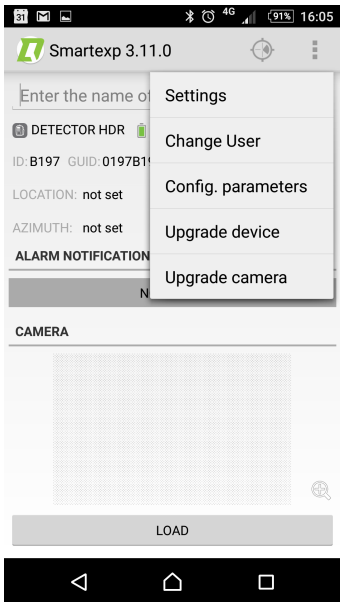
2. Make sure that “Enable upgrades” is allowed. Then go to “Manage upgrades”.



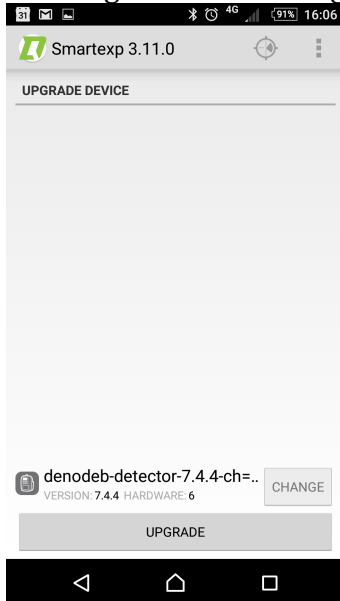
3. Press “Browse for upgrades” and add ALL the new firmware images (by pressing “Pick file”) that were sent to you by Defendec support and that you previously downloaded into your smartphone memory (separate images for detector, for bridge, for camera module). Then go back to Smartexp app main page. **Note for non-Android users – grey folder names in the upper menubar of OI file manager allow to navigate through the folders(by tapping on them) to find the folder where you downloaded your upgrade files.**



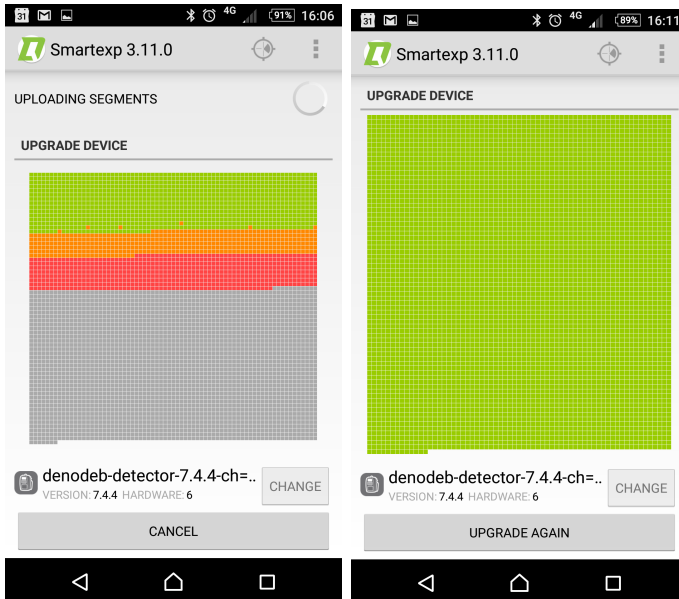
4. Click on the device you wish to upgrade, then click on the upper right corner menu button and choose "Upgrade device".



5. Smartexp app automatically offers the latest firmware version for the chosen device, but please double-check that the FW version specified by Defendec support is chosen for each device. File name refers to whether the image is for detector or for bridge. After checking that, press “Upgrade”.



6. The FW image is automatically loaded on the device, progress will be seen as a visual graph and also reported as text in the upper part of the screen. The upgrade is finished only when all the segments are green and the screen displays the message “Upgrade again?” at the bottom. **Avoid moving device or making any alarms during upgrade!**



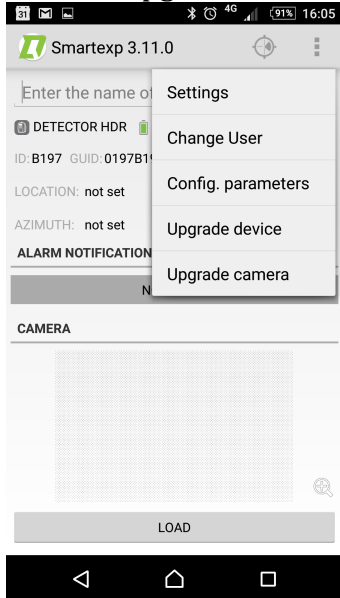
7. After the upgrade, go back to Smartexp app main page, press “Scan devices”, choose same device, go to Configurable parameters menu and check that the firmware image corresponds to the FW version that you just upgraded.

8. NB! Upgrading device firmware can overwrite device “Configurable parameters”! Please check that bridge “Configurable parameters” *Server address*, *Port number* and *APN* are reconfigured after the upgrade! Please check after the upgrade any non-default detector “Configurable parameter” is re-inserted and saved.

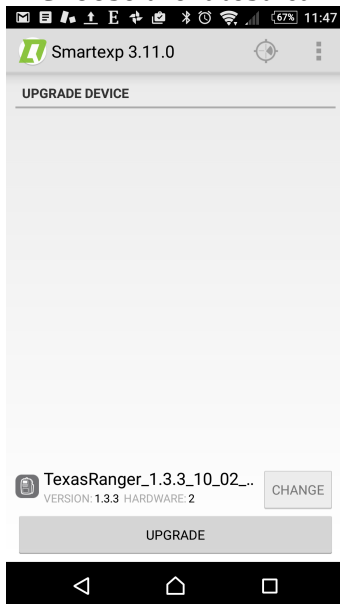
II. CAMERA MODULE UPGRADE

The camera module of the detector can be upgraded the same way as the device firmware. You have already added the new camera module image to Smartexp app, if you already followed previous steps described above. To upgrade the camera module (NB! also called Texas Ranger in file name), please do the following:

1. Tap on the device you wish to upgrade and open the same drop-down menu by pressing on the upper right menu button. Choose “Upgrade camera” (NB! Do not choose “Upgrade device” as before) :

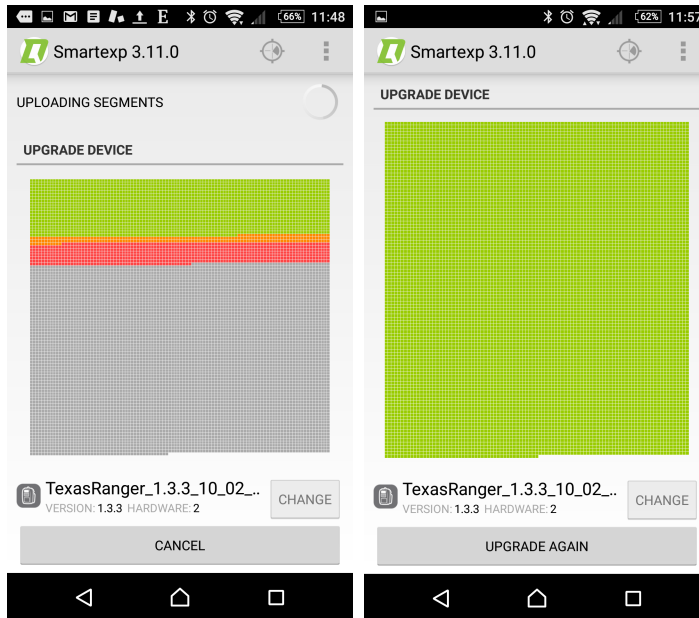


2. Choose the latest camera firmware (TexasRanger) image and press “Upgrade”.



3. The camera FW image is automatically loaded on the device, progress will be seen as a visual graph and reported as text in the upper part of the screen. The upgrade is

finished when all the segments are green and the top of the screen does not display any messages.



4. After that, go back to the device Configurable parameters menu and check that the new camera FW image is displayed there (“Camera firmware version”).

