iDTRONIC
PROFESSIONAL RFID

Product Name: BLEUBOX UHF 1CH Mid Range Controller

Model: R-IN-UHF-5239U

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1 Initial Operation

1.1 Connecting the Cables

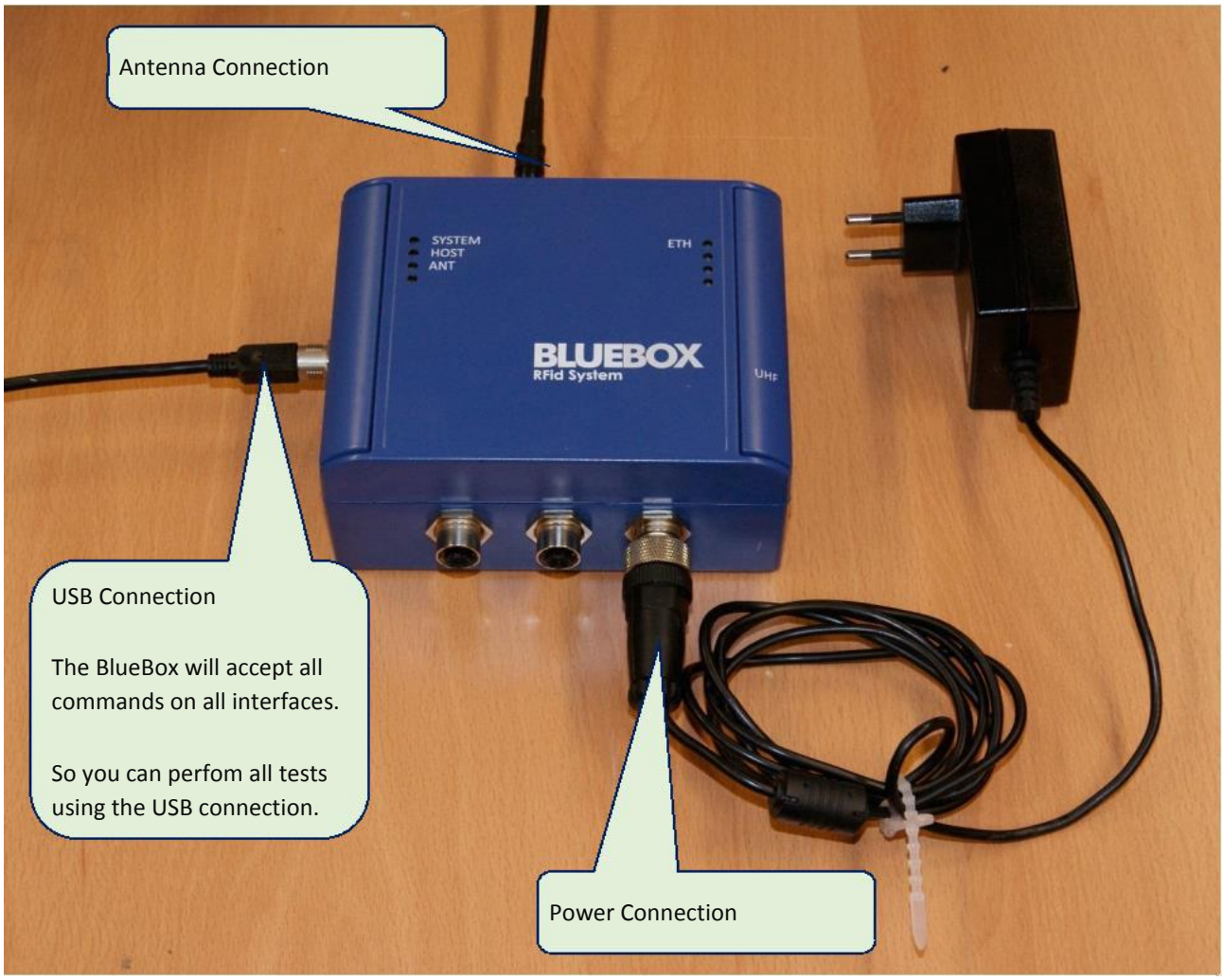


Figure 1.1 Connection Overview

1.2 USB Driver Installation

After Plug-In windows may request the USB driver. Please navigate the installation wizard to the file

\04_USB_Driver\BB2VCP.inf

Finally the device shall connect as VCom Port. The number may vary depending on previous VCP installations on the PC.

1.3 Installation of Test/Demo Software “BLUEBOX SHOW”

Unzip the file package “BLEUBOX-SDK-x.yy.z.rar” and start setup. This will not only install the SDK, but also the test/demo software “BLUEBOX SHOW” to operate all features of the device.

1.4 Establish Connection to a BLUEBOX

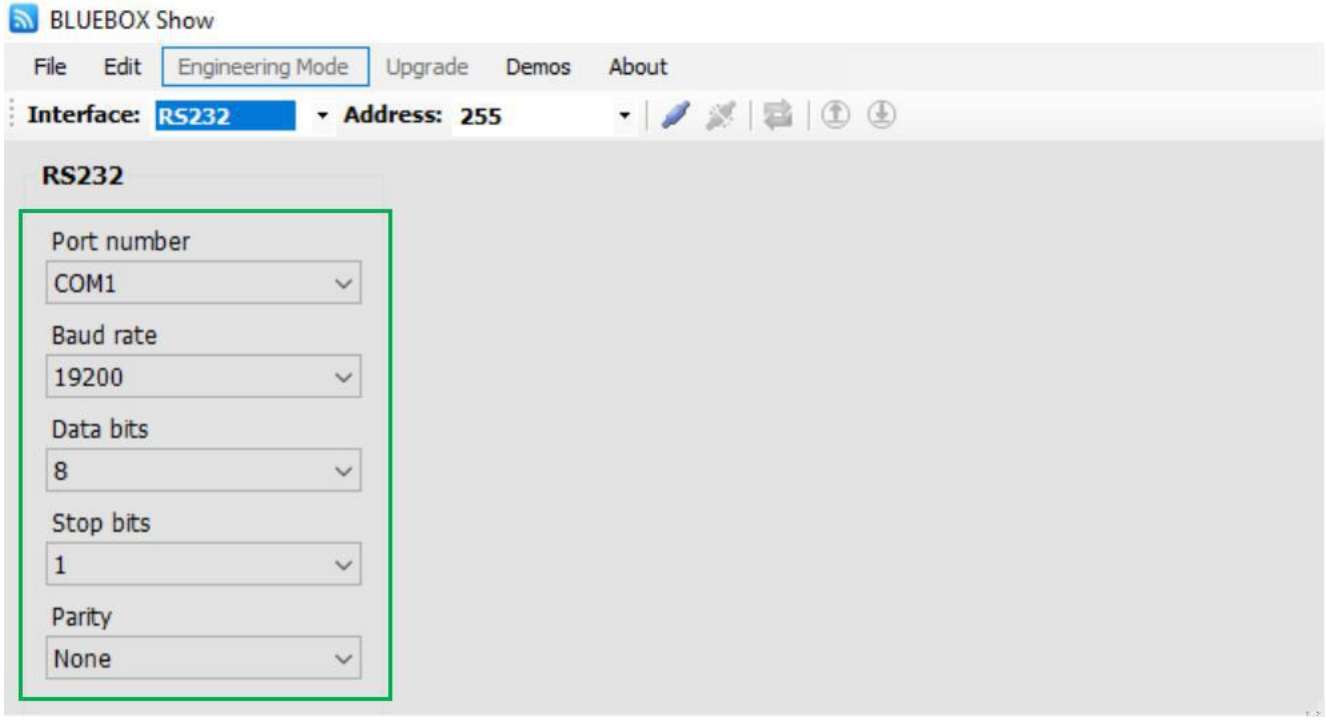


Figure 1-2 BLUEBOX Show screenshot. RS232 connection configuration.

Click on the toolbar connect button (Figure 1-3) to connect with the reader. After opening the connection the software reads the firmware release of the reader.

Figure 1-3 BLUEBOX Show connect button in the toolbar.

2 Operating BLUEBOX Show for Testing

2.1 Overview

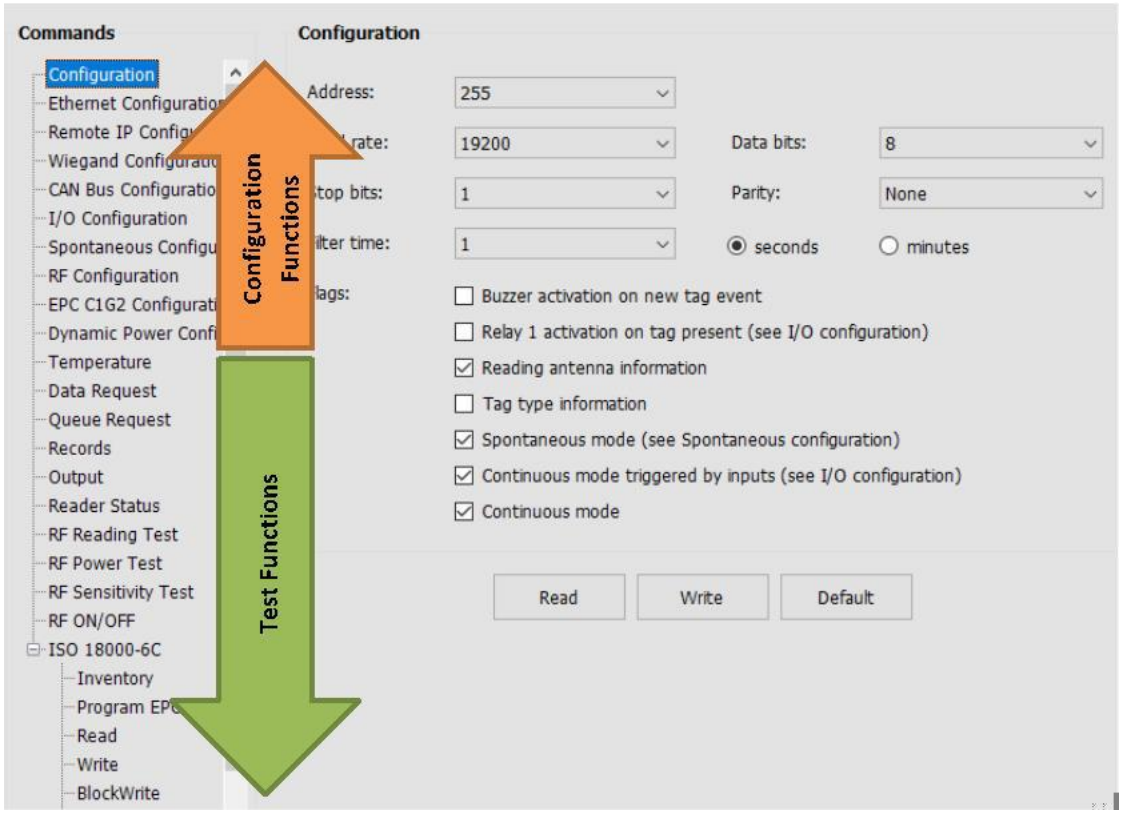


Figure 2-1 Start screen that appears after connecting to a BLUEBOX first

2.2 Automatic Mode, Continuous Mode, Auto-Read

On factory default, the BlueBox automatically scans for RFID tags. That means it automatically emits UHF frequencies.

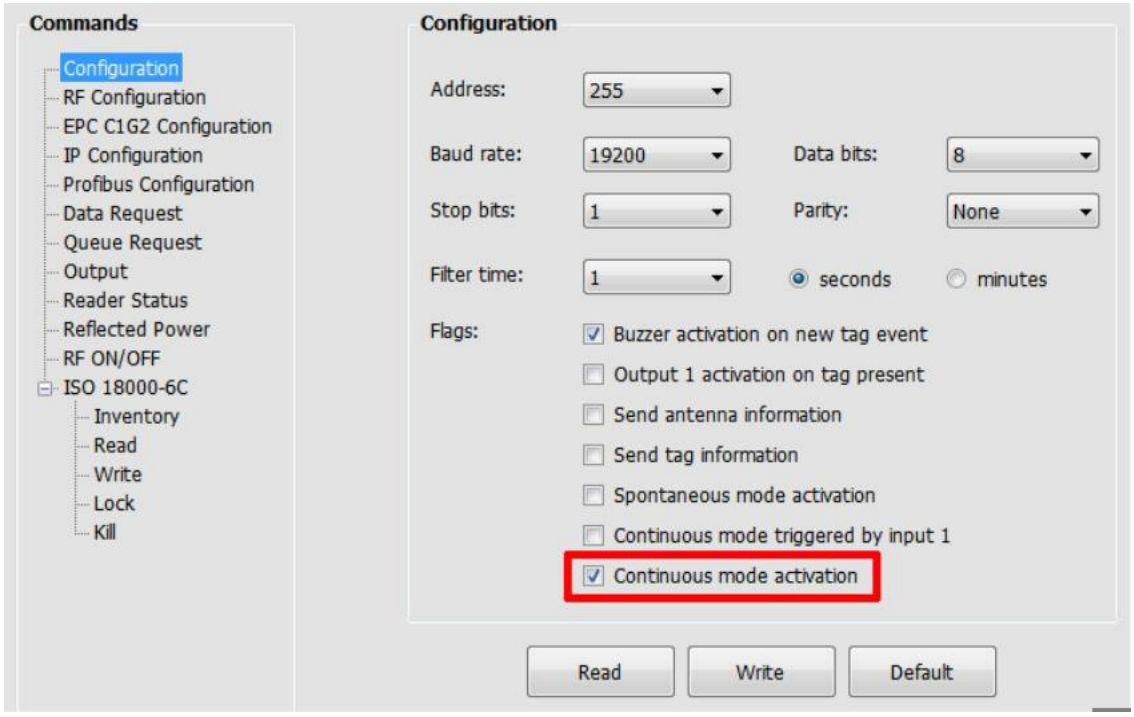


Figure 2.2 BLUEBOX Show Screen Section: Configuration with automatic mode

2.3 Adjusting the RF TX Power

Navigate to this configuration page. Change the value of “RF output power” to the desired test value. Larger numbers will result in more RF TX Power.

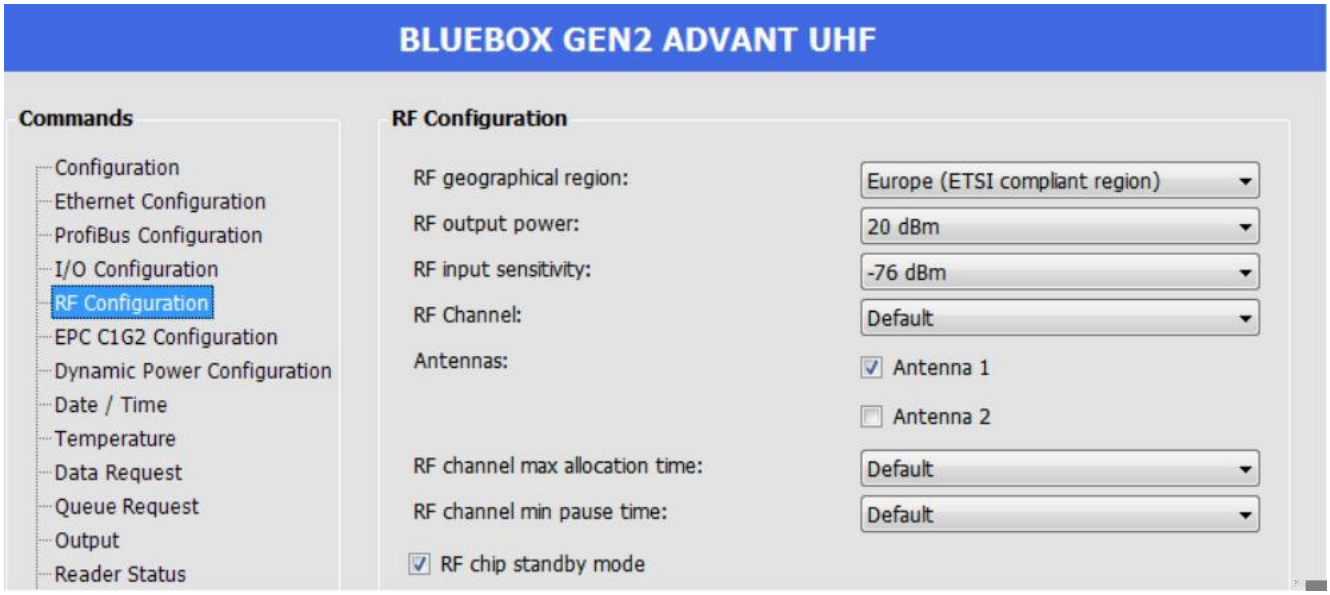


Figure 2-3 Parameters RF Configuration

2.4 Test If RFID Tags Are Detected

Open the screen “Inventory”. Now press [Request] on the bottom of the screen. In every operation mode the device will scan for tags and show them.

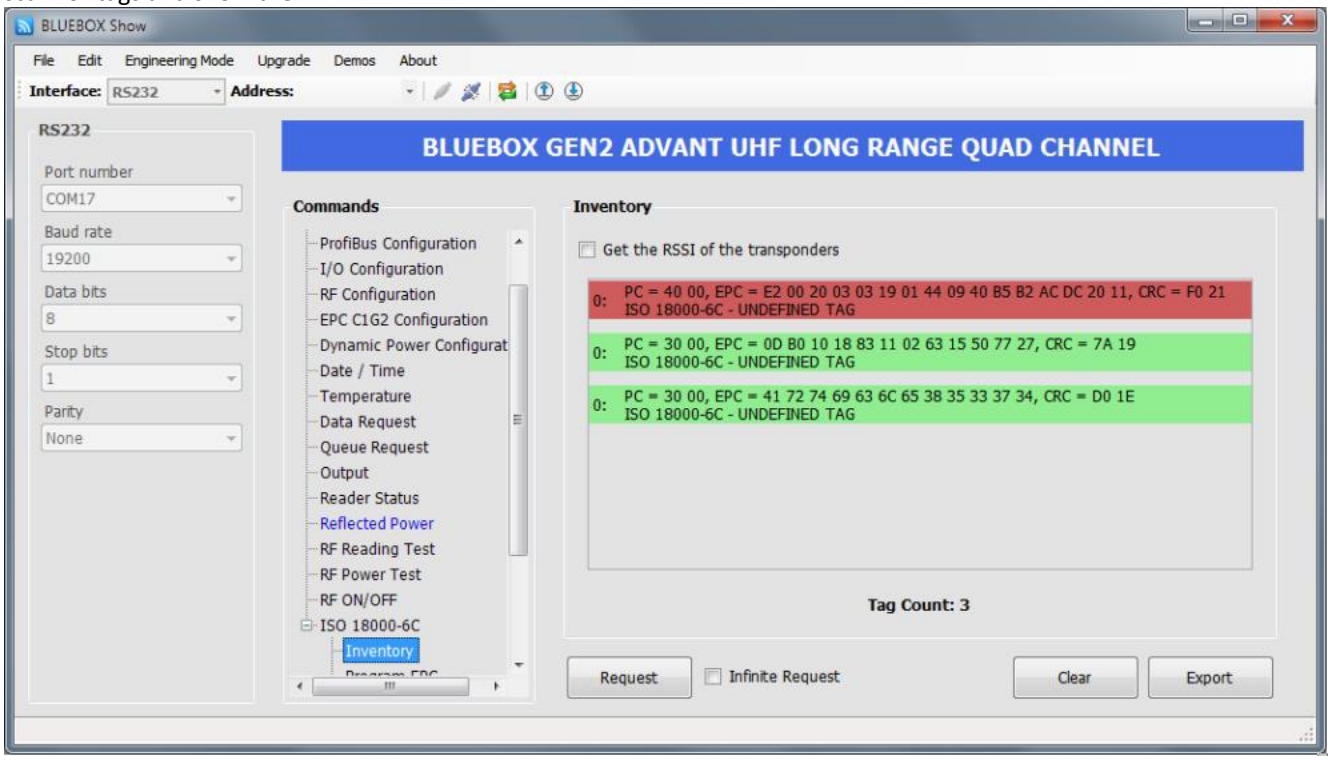
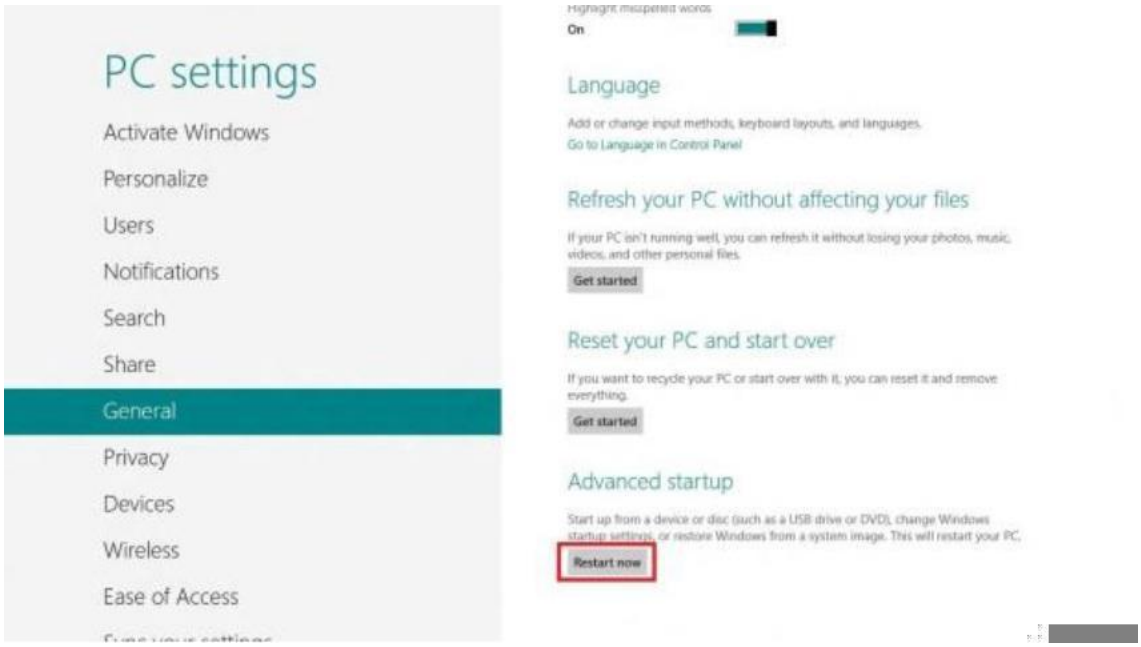


Figure 2-4 Inventory Test Function

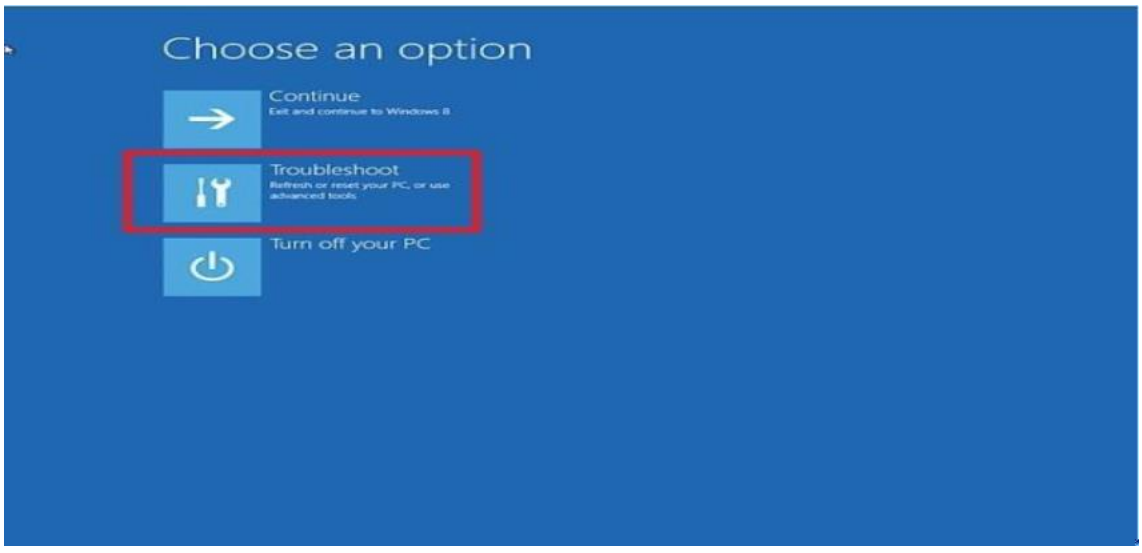
For continuous update of this list, you can checkmark “Infinite Request”.

3 Driver Installation on Windows 8 OS

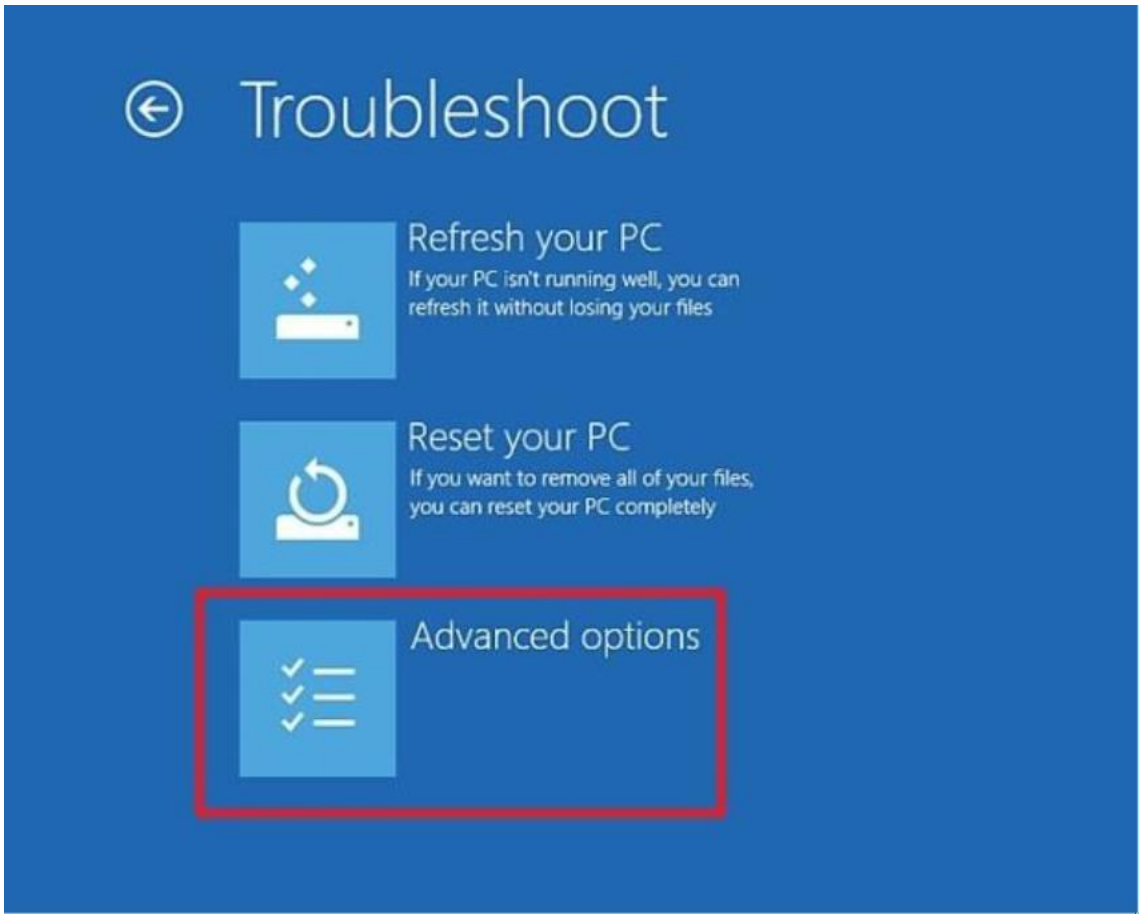
Windows 8 does not allow installing drivers that are not signed by Microsoft. Below is described how to de-activate the driver signing check.
First, select "Settings" on the right side of your screen:
Select "Change PC Settings":
Navigate to "General" settings and then scroll down to "Advanced Startup". Click on "Restart":



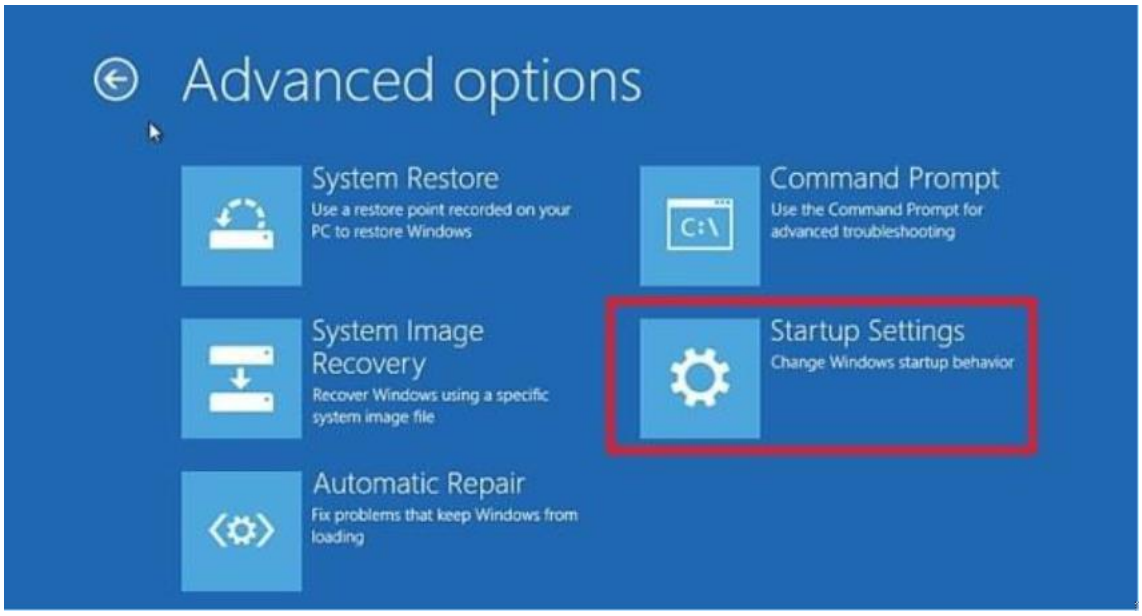
After that, Click on "Troubleshoot":



On the next screen, choose "Advanced Options":

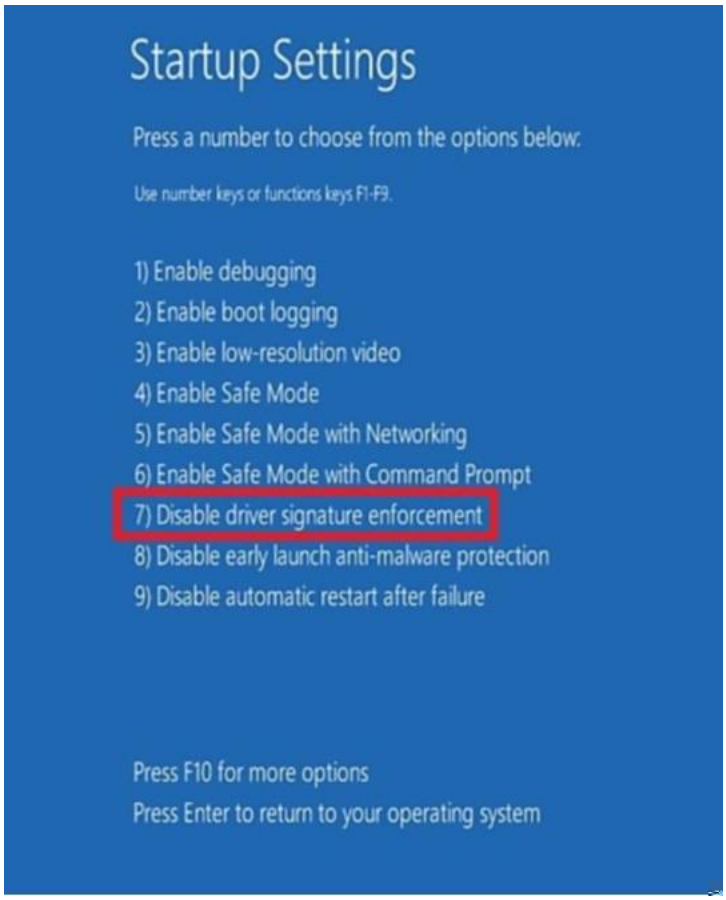


Then click on "Startup Settings":

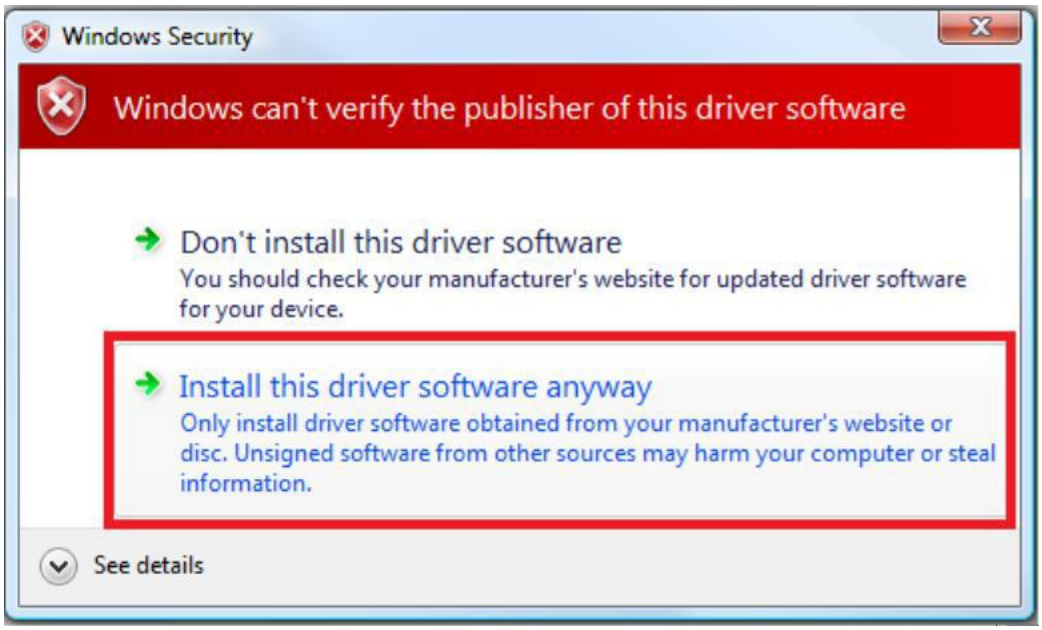


Then click on the "Restart" button:

After your computer reboots, another screen will appear where you will be asked to press a number to choose an option. So press 7 or F7:



When you install the driver, this prompt will appear on screen. Select "Install this driver software anyway":


Windows Security
Windows can't verify the publisher of this driver software
Don't install this driver software
You should check your manufacturer's website for updated driver software for your device.
Install this driver software anyway
Only install driver software obtained from your manufacturer's website or disc. Unsigned software from other sources may harm your computer or steal information.
See details

FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following

two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an

uncontrolled environment. This equipment should be installed and operated

with minimum distance 20cm between the radiator & your body.

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