

PROGRAM - SUPPLEMENT
to flight simulator Prepar3D v4.5+
"Tu-154 for Prepar3D"

USER'S MANUAL

(Version 1.5 dated 2023/06/05)

St. Petersburg

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INTRODUCTION

This manual is user documentation for the Prepar3D v4.5+ " **Tu-154B2 for Prepar3D**" flight simulator add-on software product (hereinafter referred to as the Program). The Guide will be periodically updated depending on the updates of the Program itself. A license is a paid copy of the Program.

1. DESCRIPTION

The program is designed to carry out virtual flights on a Tu-154B-2 aircraft model in the Prepar3D v4.5+ flight simulator as a pilot, navigator or flight engineer. The program simulates the operation of aircraft systems, such as:

- power supply system;
- anti-icing system;
- lighting equipment;
- fuel system;
- centralized fueling system;
- engine starting system;
- hydraulic system;
- fire extinguishing system;
- auxiliary power unit;
- air conditioning system;
- automatic on-board control system;
- automatic control system;
- trajectory control system;
- aircraft intercom;
- precision heading system.

The navigation complex has the ability to simulate virtual flights using VOR beacons, NVU or Garmin.

All systems operate as close as possible to the real aircraft. The details of the model are precisely worked out both outside and inside the model.

In addition to the Program, a free Paint Kit is available for download on our website.

To create and test this Program, we used "pure" Prepar3D v4.5, without additional utilities. In case of incorrect operation of the Program, it is first recommended to disable all add-ons, test, and only then contact technical support.

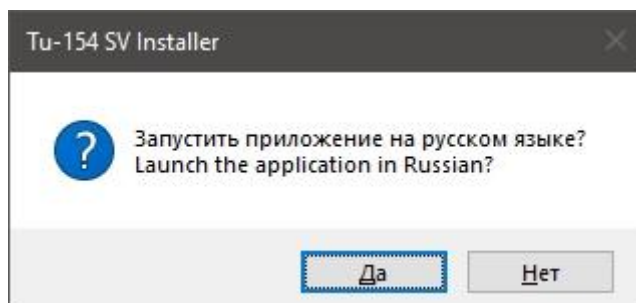
2. SYSTEM REQUIREMENTS

For comfortable work in the Program, a personal computer with the characteristics of hardware and software is recommended:

	Minimum	Recommended
Operating System	Microsoft Windows 7 SP1 (64-bit) [N editions require Media Feature Pack]	Microsoft Windows 10 (64-bit)
Computer Processor	2.2 GHz	Quad Core @ 3.5 GHz + (e.g. Intel Core i7/i9)
Computer Memory	4.0 GB	16 GB DDR4/2666MHz +
Graphics Card Video Memory	2 GB	8+ GB(e.g. NVIDIA GeForce GTX 1080 Ti)
Graphics Card Other	Full DirectX 11 Support	
Monitor with resolution	not less 1024x768	
Hard Drive Space	not less 1.2 GB	
For installation	Prepar3D v4.5 or higher must be installed initially	

3. INSTALLING / UNINSTALLING THE APPLICATION

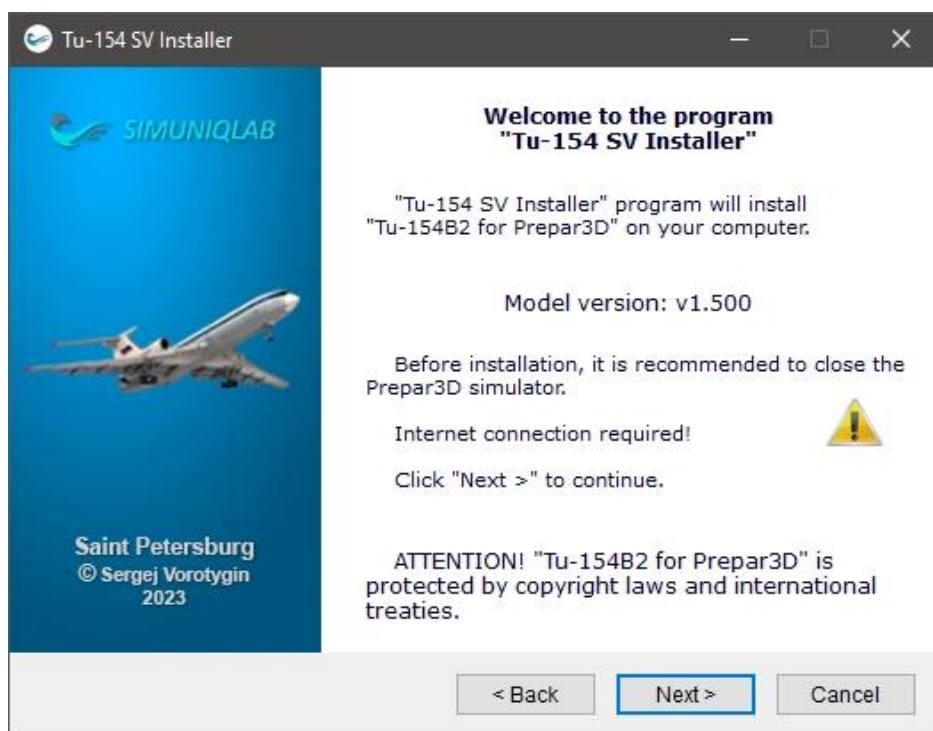
To install the Program, run the file from the archive "Tu-154 SV Installer.exe". The language selection window will open. Select the language for displaying text in the Setup Wizard windows:



When you click on the "Yes" button, the installation wizard will start in Russian, otherwise in English:



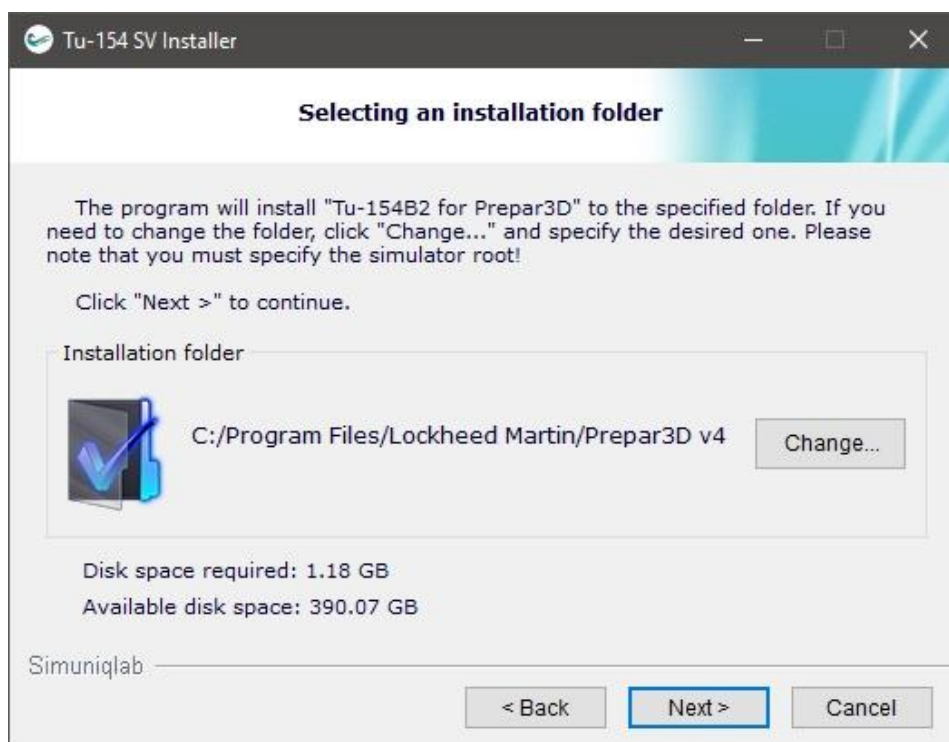
When you click on the "Next" button, an information window will open where you can find out about the version of the model being installed:



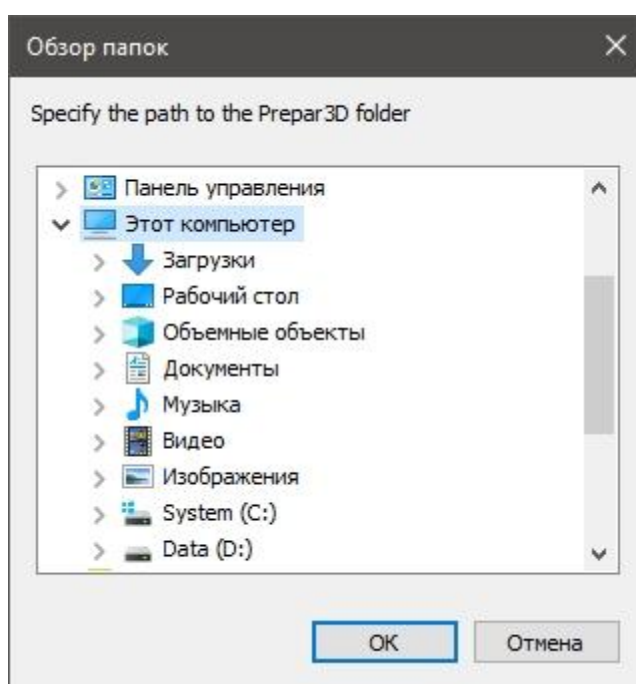
When you click on the "Next" button, a window with the text of the License Agreement will open. Read the agreement carefully and if you agree with it, check the box "I accept the terms of the license agreement". In case of disagreement - click on the "Cancel" button and the installation of the Program will be interrupted. You can also print the text of the License Agreement by clicking on the button with the printer.



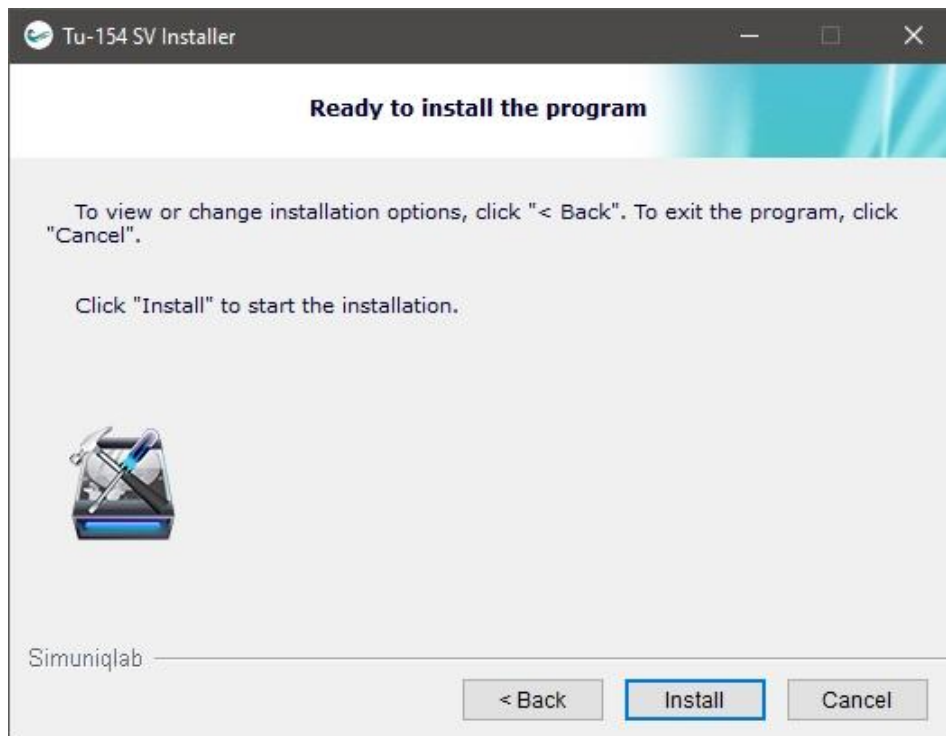
When you click on the "Next" button, a window will open where the path to the folder (root) with the "Prepar3D v4.5+" flight simulator on your computer will be indicated. The default path is "C:/Program Files/Lockheed Martin/Prepar3D v4":



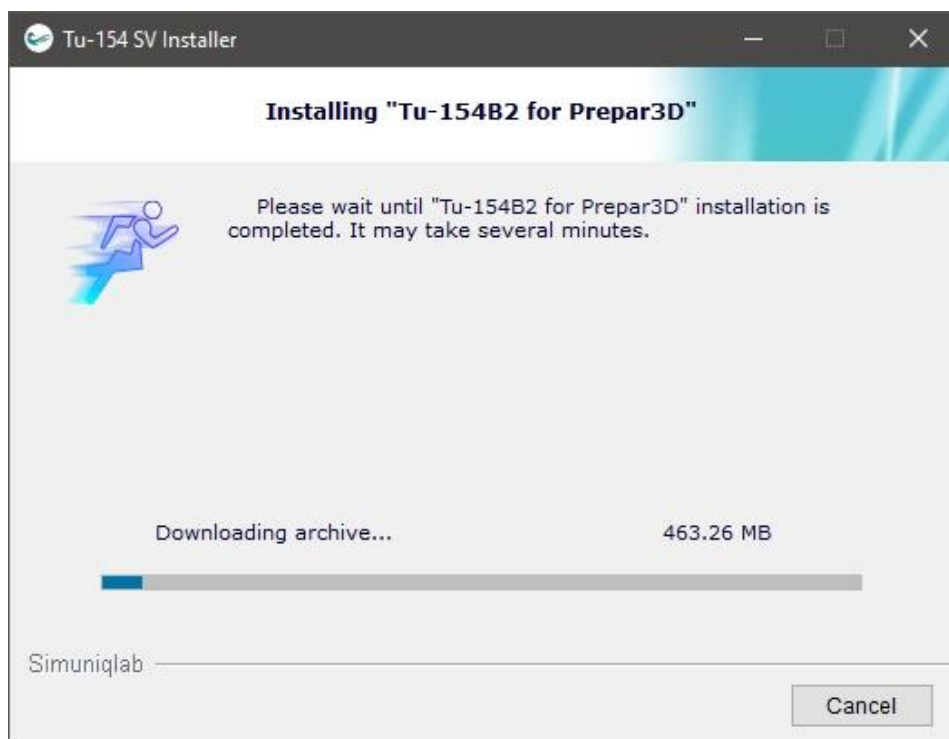
If you need to change the path, click on the "Change..." button. The Installation Wizard window will open, where you specify the path to the folder (root) with the flight simulator:

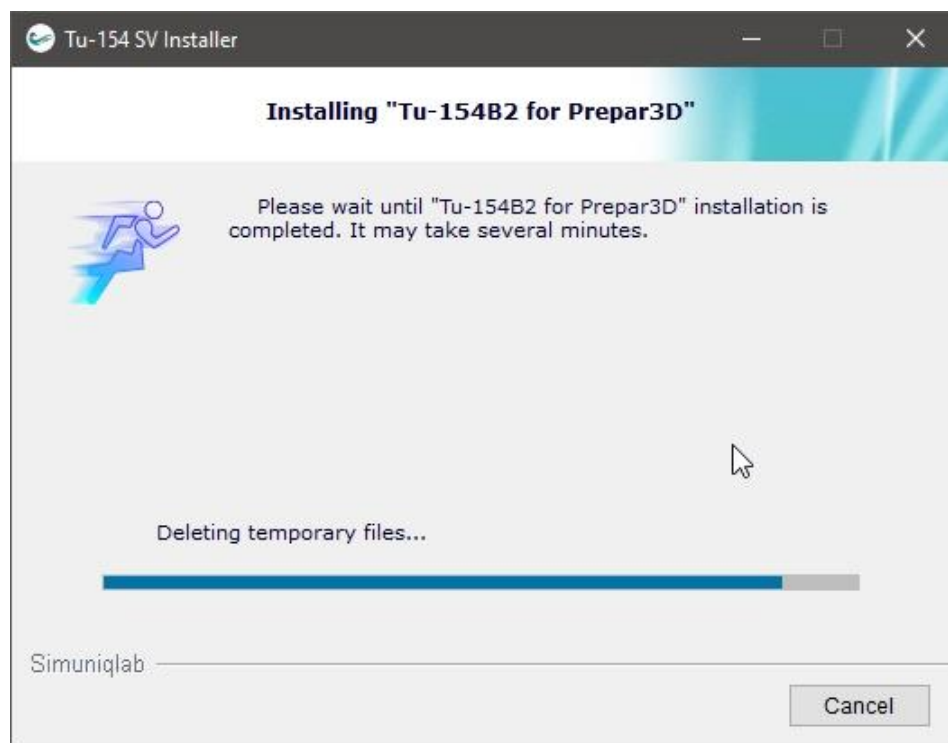
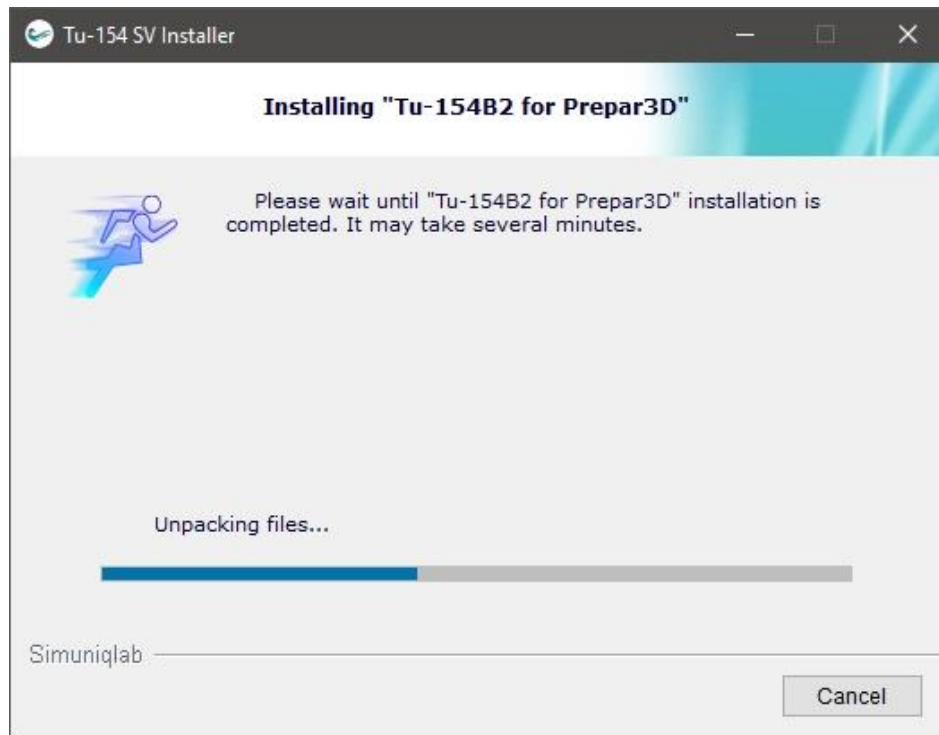


When you click on the "Next" button, in the case of the first installation of the Program, the following window of the Installation Wizard will open:

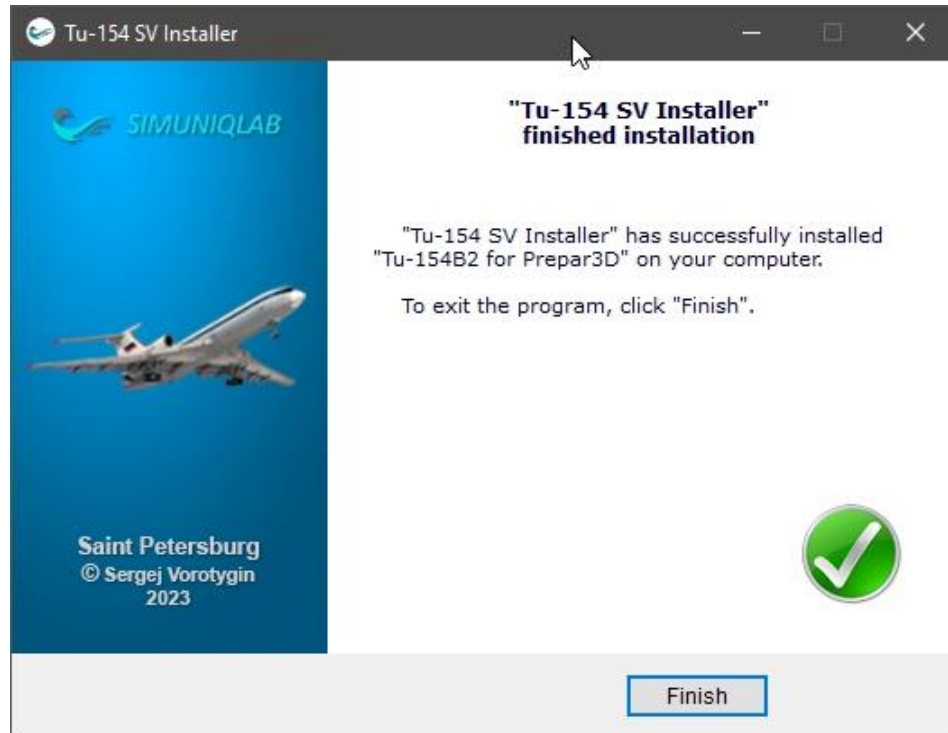


Clicking on the "Install" button will start the installation process:

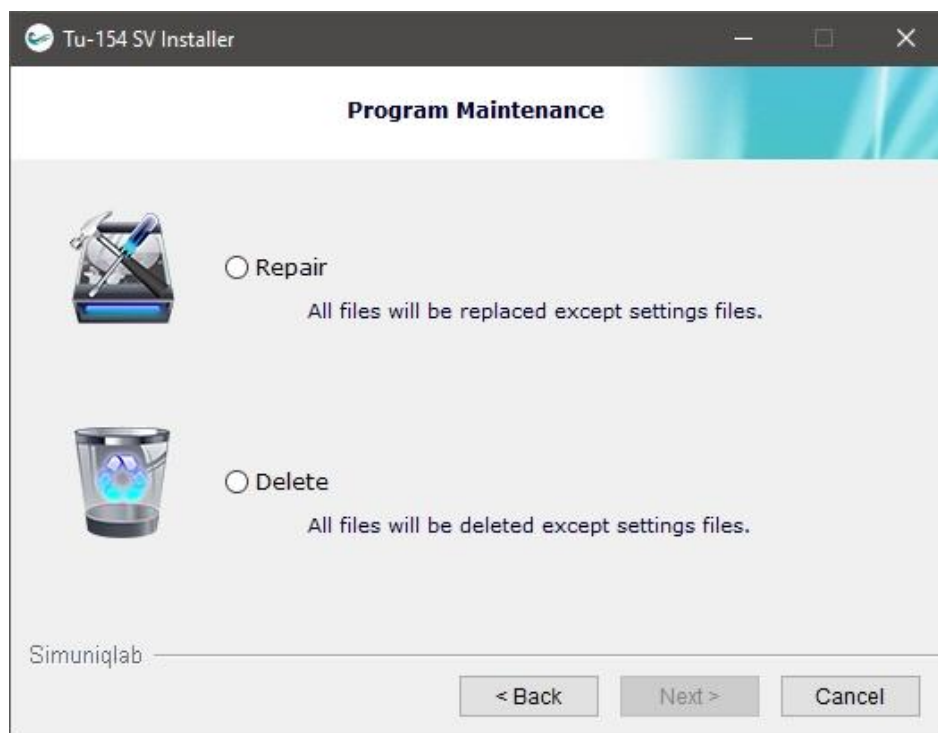




If the installation is successful, the Installation Wizard window will open:

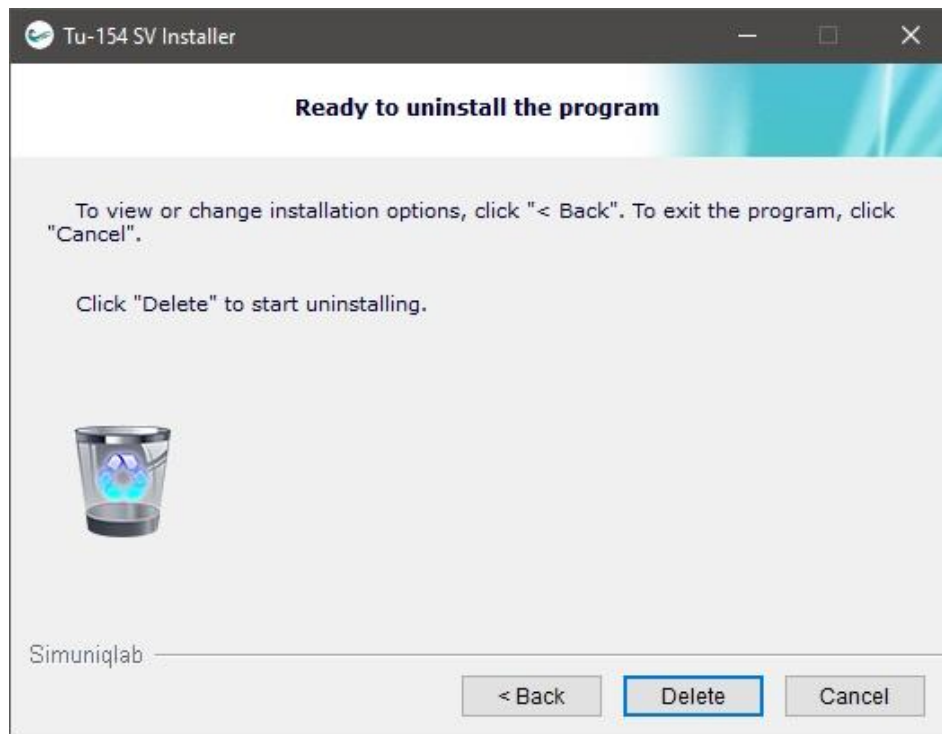


If the Program has already been installed to the specified path, the Installation Wizard window will open with the option to fix or remove the Program:

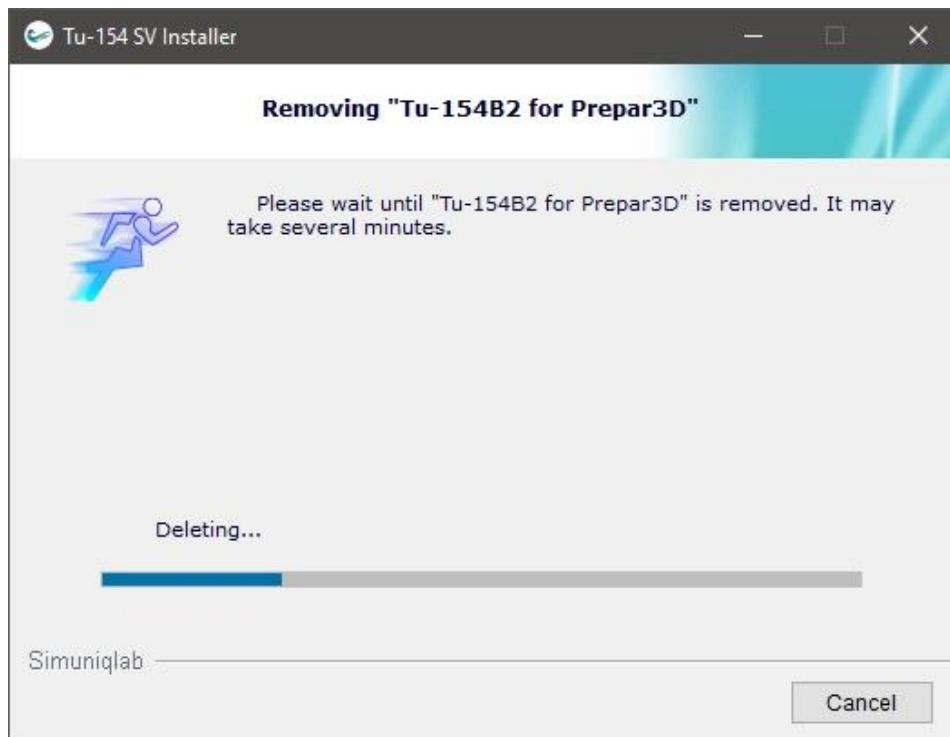


ATTENTION! When the Program is corrected, all its regular files will be replaced, and when the Program is deleted, they will be deleted. Third-party files and settings files, including activations, will not be affected!

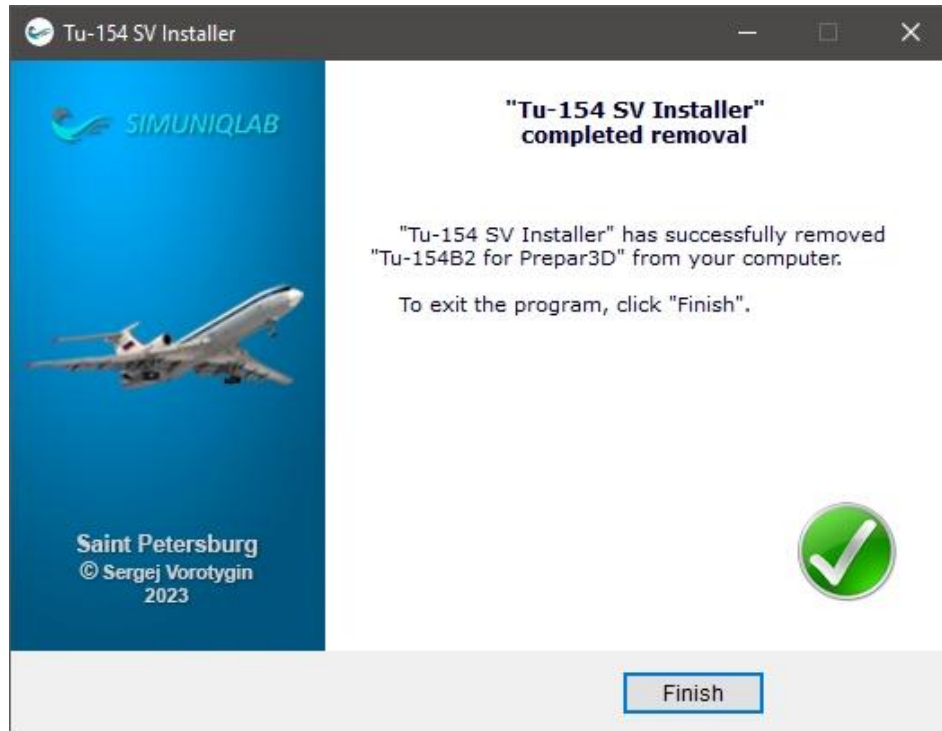
If you choose to fix the Program, the installation process described above will start. If you select uninstall the Program, a window will open:



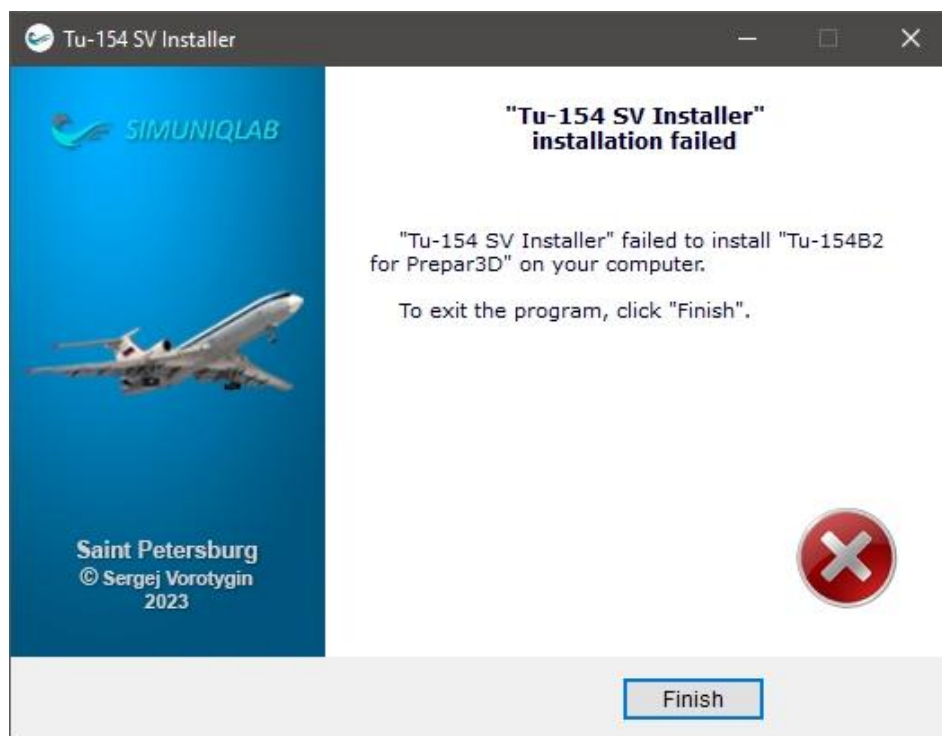
Clicking on the "Uninstall" button will start the process of uninstalling the Program:



If the Program is successfully uninstalled, the Installation Wizard window will open:



If the Program crashes or there is no Internet connection, the Installation Wizard window will open:



ATTENTION! It is not possible to uninstall the Program from the "Uninstall programs" window (Windows 7) or "Apps and features" (Windows 10)!

For subsequent updates of the Program, it is enough to run the same installer. You don't need to download it again.

It will be necessary to download the installer again if its update appears on the site. The installer will notify you at startup.

4. DEMO VERSION OF THE PROGRAM

After the first installation of the Program and, if it has not been activated, a demo version of the Program will be available for you to familiarize yourself with and check its performance on your computer.

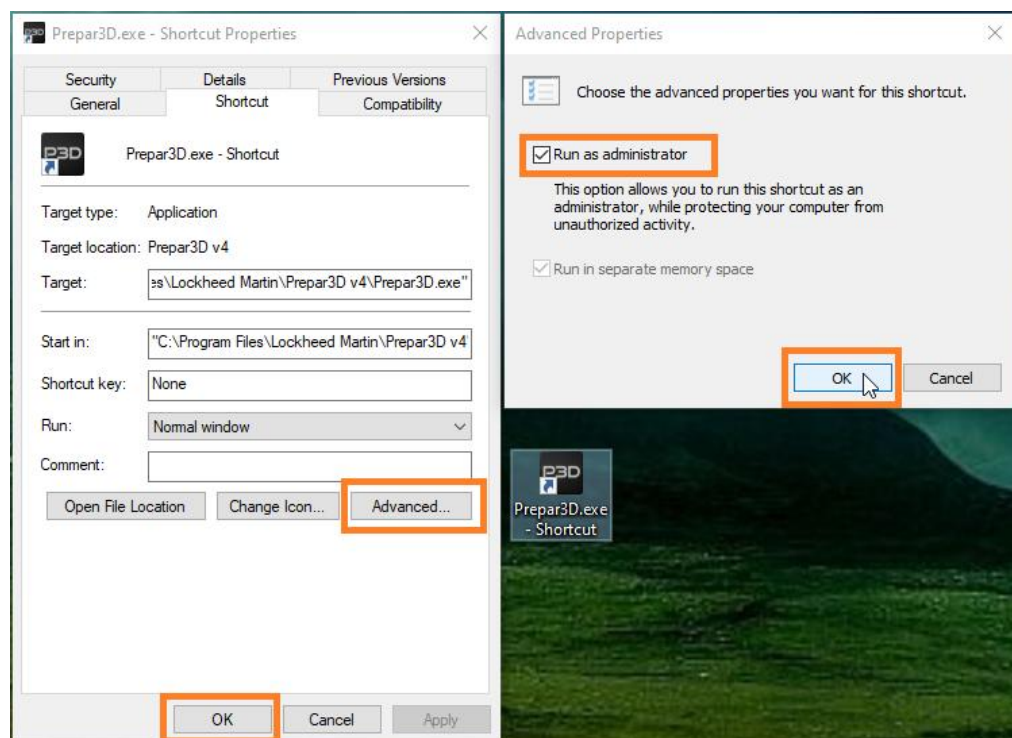
The demo version limits the use of the Program by time. After its launch, the duration of working capacity is ~ 10 min. After the time has elapsed, the control and all systems of the model are turned off. After restarting the model, all functionality is restored.

ATTENTION! Do not purchase the Program if you have not verified that it works on your computer!

5. PROGRAM PERFORMANCE CHECK

ATTENTION! For the correct operation of the Program, it is necessary to run Prepar3D as an administrator!

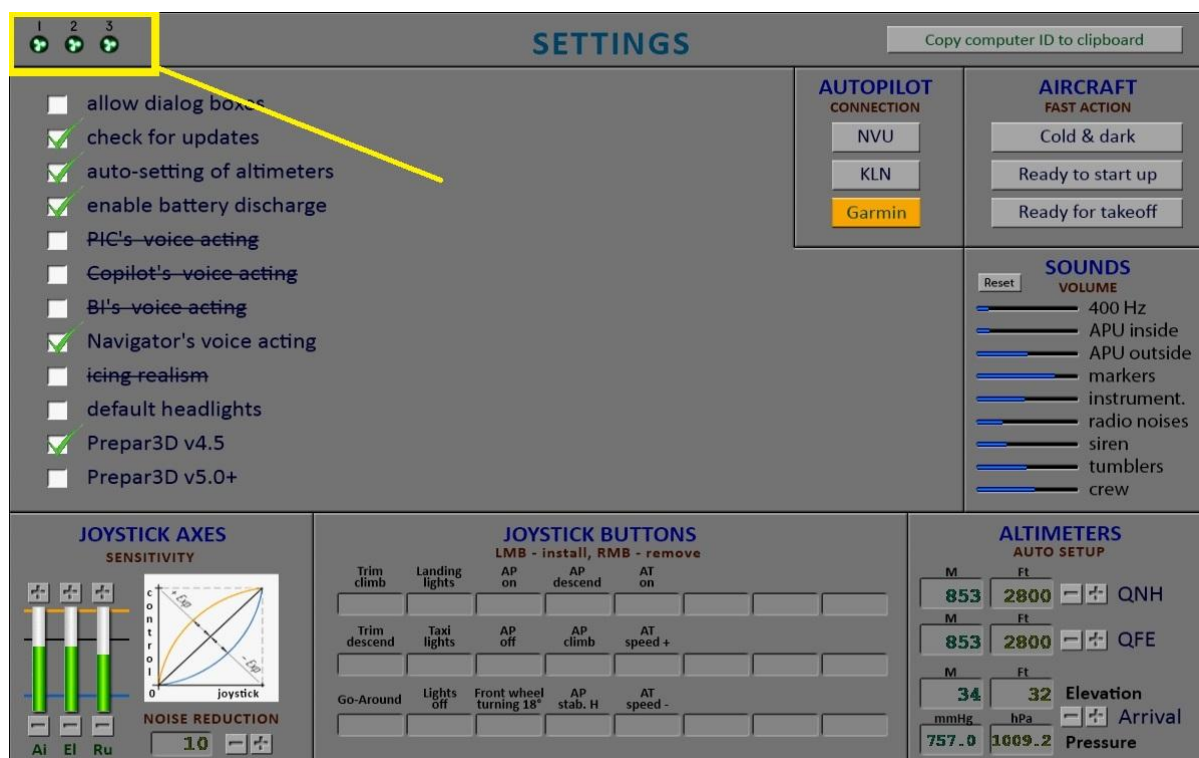
To do this, you need to RMB on the label "Prepar3D.exe" -> Properties -> advanced -> set the checkbox "Run as administrator" -> Ok:



You can also use the shortcut on the taskbar. RMB on the icon (taskbar) → RMB on the icon in the opened context menu → Properties → ...

After installing the Program, to check the performance of the model, you need to:

- run the model from the Prepar3D menu ("Vehicle → Select");
- open the settings panel (Shift+1 or F10);
- make sure that all 3 green lamps in the upper left corner of the panel are lit. Otherwise, you need to write to technical support simuniqlab@gmail.com;



- make sure that the mouse zones of green checks are working. Zones with strikethrough inscriptions do not work yet;
- make sure that the +/- buttons in the "Joystick Axes" section work (the green columns should go up/down);
- make sure that the mouse zones are working in the "Joystick buttons" section. The numbers of the joystick buttons should be displayed in the windows after a successful assignment;
- make sure that the +/- buttons in the "Altimeters" section work (the parameters in the windows should change);
- make sure that the mouse zones are working in the "Sounds" section (pressing, holding and moving left/right LMB should change the volume of sounds). The sound "400 Hz" should change only in the presence of 27V, and the sound "APU" only when the APU is running;
- make sure that the buttons in the "Aircraft" section work. Repeated pressing of the same button works after 10 seconds;

- make sure that the toggle switches, switches and buttons in the 3D cockpit are working. Some elements may not work;
- make sure that the joystick or steering wheel control is working.

Attention! In case of problems with the performance of the model, write to technical support simuniqlab@gmail.com.

6. PROGRAM ACTIVATION

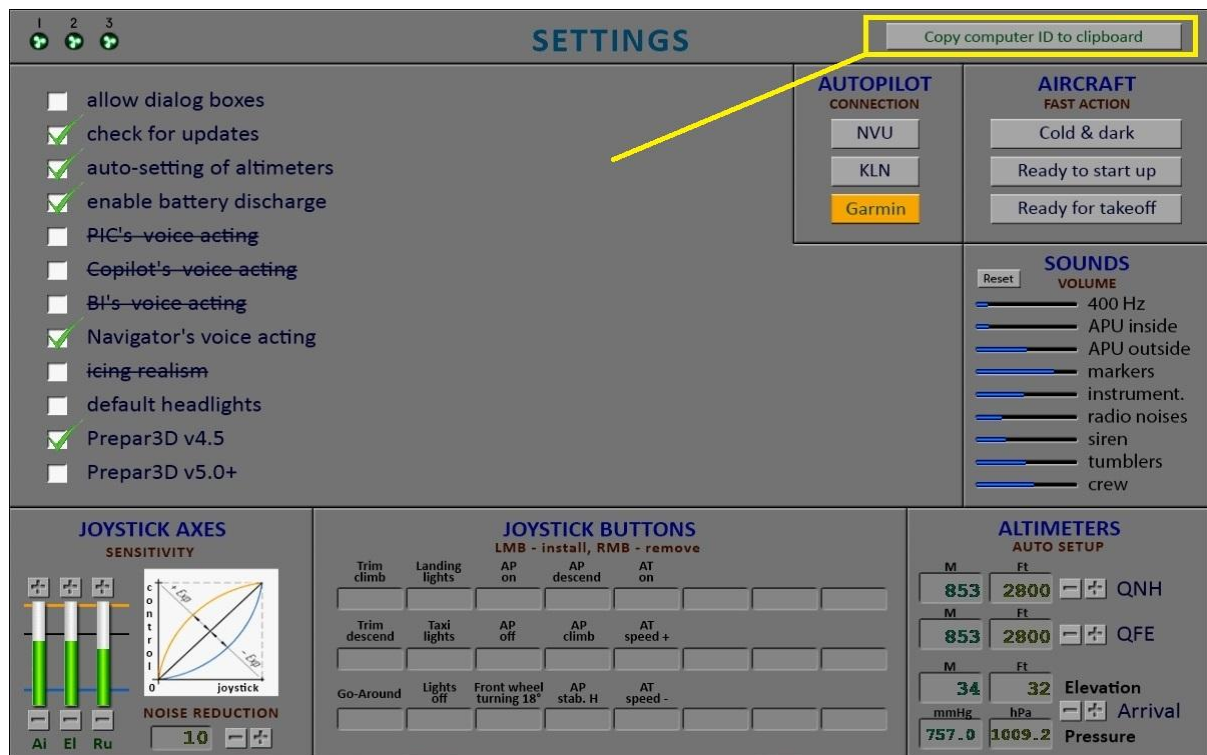
After you read and agree to the terms of the License, make sure that the model works correctly, you can purchase a license on the website <https://www.simuniqlab.com/>. **At the time of payment, please indicate your full name, e-mail and save the transaction number (order number).**

Be careful, one copy of the license is valid only on one computer! When updating some "iron" in the computer, it is possible to re-register the License.

The license is not transferred from computer to computer!

After payment you need:

- copy the computer ID to the clipboard on the computer where you are going to use the Program by clicking on the "Copy computer ID to clipboard" button in the model settings panel (Shift+1 or F10):

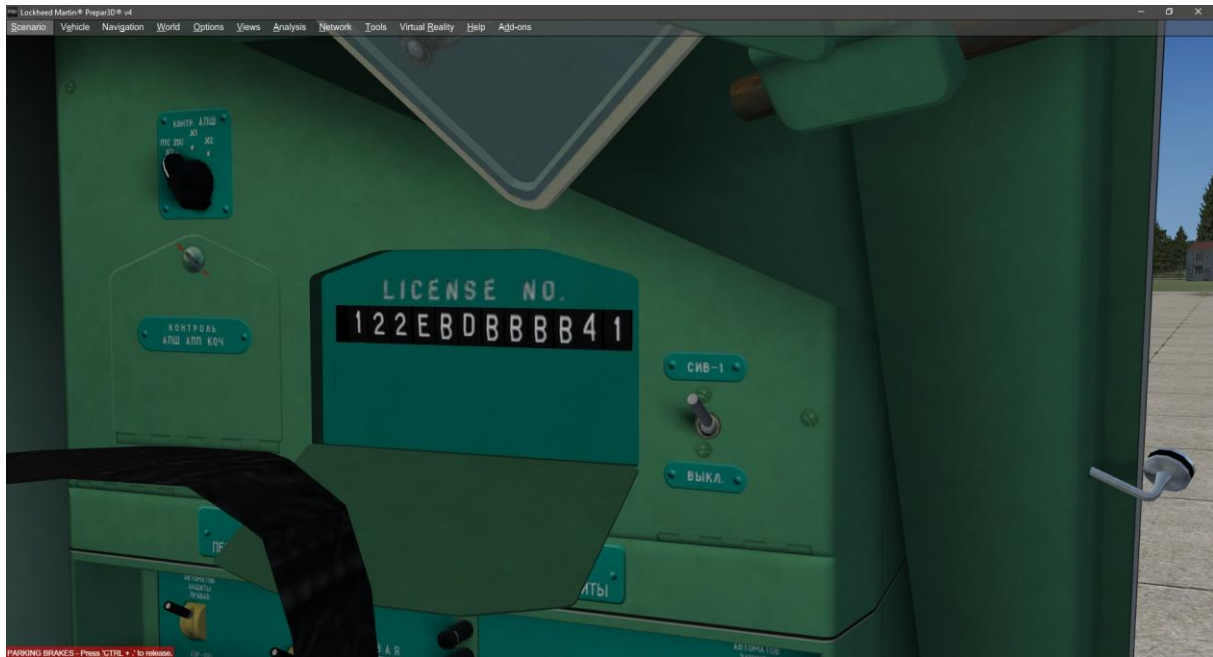


or open the text file "ID_Tu_154B2_SV_x64_v1.3.txt" in the folder "C:\Program Files\Lockheed Martin\Prepar3D v4\gauges\Tu_154B2_SV\" (default) and copy the text to the clipboard there;

- write a letter to simuniqlab@gmail.com, in which you must specify your **fullname**, transaction number and computer ID where you plan to use the Program:

In the near future, after payment and receiving a letter from you, we will send a response letter with the **License Number**, which must be set with the mouse wheel in the VK model behind the "Fuses" cover above the left panel AZS. If the License No. is entered correctly, after closing the cover, the model will reboot and activation will be performed.



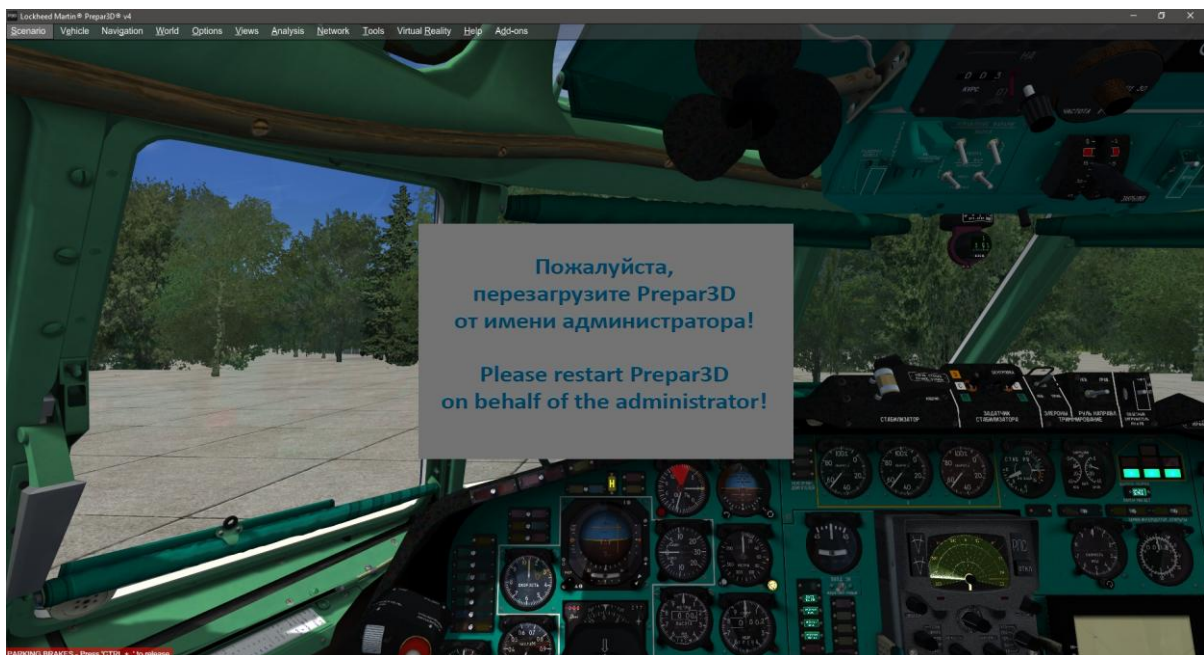


Attention! To activate the Program, the computer must be connected to the Internet!

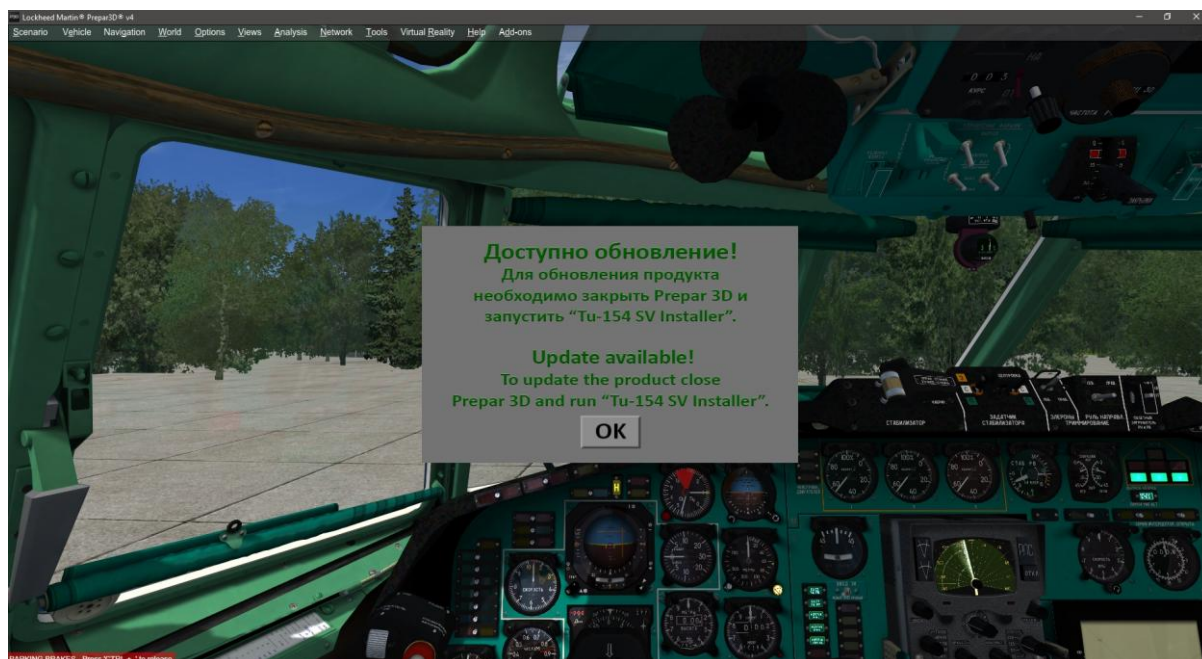
For any technical questions, please contact technical support simuniqlab@gmail.com.

7. MISCELLANEOUS

If Prepar3D is launched with limited rights, a window will appear:



If an update of the Program is released, a window will appear:



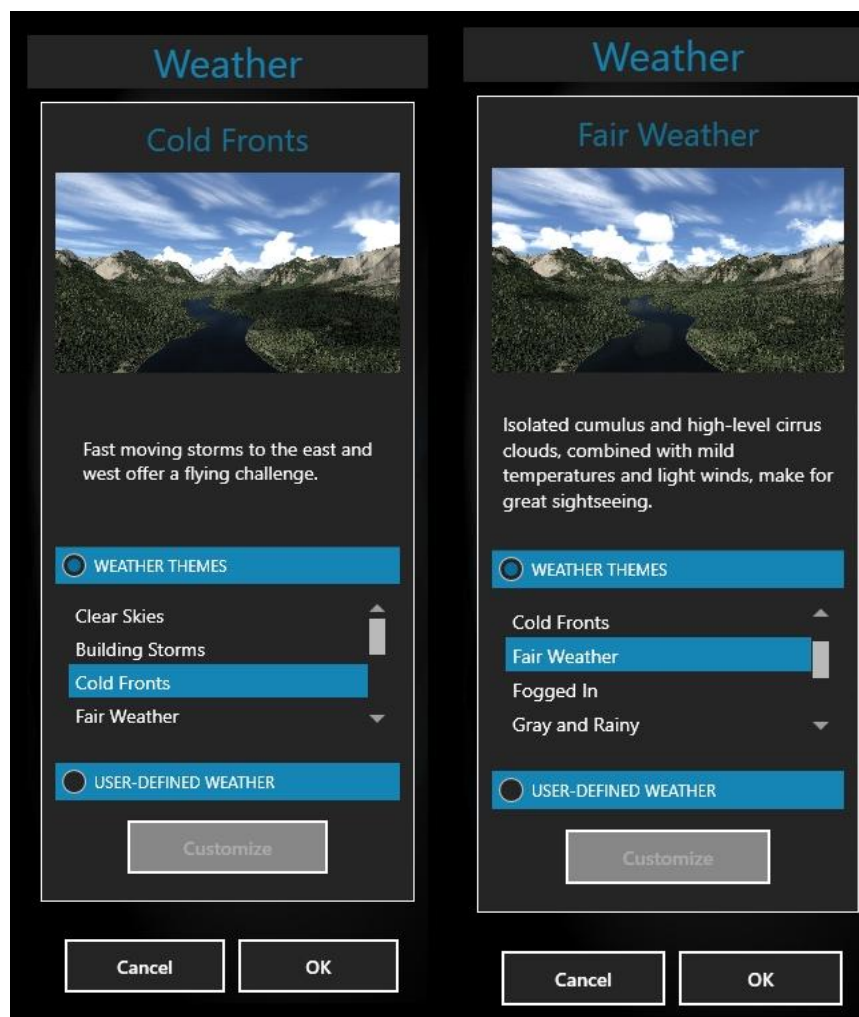
To show or hide the controls, use the microphone covers on the visor:



When hovering over some invisible mouse click zones, cursors like "x2", "x3" appear ... This means controlling the mouse with several handles or toggle switches at once:



The "Thunderstorm" device displays cloudiness only when the weather is set to "Cold Fronts", "Fair Weather" (prepar3D peculiarities):





If the Program will work for a long time without an Internet connection, then it may request this connection:

