RowPro Graphics Tester Instructions

What is the RowPro Graphics Tester?

The RowPro Graphics Tester is a handy utility to quickly check and confirm RowPro 3D graphics and live water will run in your PC.

Do I need to test my PC graphics?

If any of the following are true you should test your PC graphics before installing or upgrading to RowPro 3:

- If your PC shipped new with Windows XP.
- If you are about to upgrade from RowPro version 2.
- If you have any doubts or concerns about your PC graphics system.

How to download and install the RowPro Graphics Tester

- Click the link above to download the tester file RowProGraphicsTest.exe.
- In the download dialog box that appears, click Save or Save this program to disk, navigate to the folder where you want to save the download, and click OK to start the download.

    IMPORTANT NOTE: The RowPro Graphics Tester only tests if your PC has the required graphics components installed, it is not a graphics performance test. Passing the RowPro Graphics Test is not a guarantee that your PC will run RowPro at a frame rate that is fast enough to be useful. It is however an important test to confirm your PC is at least equipped with the necessary graphics components.

How to run the RowPro Graphics Tester

1. Run RowProGraphicsTest.exe to run the test. The test normally completes in less than a second.
2. If any of the results show 'No', check the solutions below.
3. Click the x at the top right of the test panel to close the test.
4. You can run the test again at any time to check if you have solved problems reported by a previous test.

RowPro Graphics Test Results

The RowPro 3D test will show one of the following results:

No

This indicates your PC cannot run RowPro in 3D at all in either OpenGL or Direct3D. To resolve this:

- Check your PC manufacturer's website and if there is an updated graphics driver available for your PC, upgrade your graphics driver.
- Re-run the RowPro PC Graphics Test Utility and if you still see 'No', download the latest version of DirectX9 from the Microsoft Download Center and install it in your PC. Make sure you install **DirectX9**, not DirectX10 or some other version.
- Re-run the RowPro PC Graphics Test Utility and if you still see 'No', follow the steps in the **Troubleshooting Graphics Operation and Performance** section of RowPro Help.
- If you need further assistance, contact assist@digitalrowing.com.

Yes OpenGL

This indicates your PC can run RowPro in 3D using OpenGL, but not Direct3D. This is usually OK because you can run RowPro 3D successfully in OpenGL. Note however that if you later see any graphics issues while using OpenGL, the first diagnostic check is normally to try Direct3D, so it's important to have Direct3D installed as well. If RowPro Setup was unable to install Direct3D with Rowpro and you need to install Direct3D manually:

- Go to the Microsoft Download Center and type DirectX9 into the Search box. The first item in the search results should be the latest version of DirectX9. Download that and install it in your RowPro PC. Make sure you install **DirectX9**, not DirectX10 or some other version.

Yes OpenGL and DirectX

This indicates your PC can run RowPro in 3D using either OpenGL or Direct3D. This is the ideal situation.

RowPro Graphics Tester Instructions

RowPro 3D / Live Water test solutions

When running in 3D with Live Water, RowPro can use either OpenGL or (if it is installed) Direct3D.

Live Water is more demanding of your PC, in particular your PC graphics system needs to support 'Shaders'.

- If your PC shipped with Windows XP, RowPro will probably run with Live Water.
- If your PC shipped with Windows Vista or Windows 7, RowPro will almost certainly run with Live Water.

The RowPro 3D / Live Water test will show one of the following results:

No

This indicates your PC cannot run RowPro Live Water in 3D at all in either OpenGL or Direct3D. To resolve this:

- Check your PC manufacturer's website and if there is an updated graphics driver available for your PC, upgrade your graphics driver.
- Re-run the RowPro PC Graphics Test Utility and if you still see 'No', follow the steps in the **Troubleshooting Graphics Operation and Performance** section of RowPro Help.
- If you need further assistance, contact assist@digitalrowing.com.

Yes OpenGL

This indicates your PC can run RowPro Live Water in 3D using OpenGL, but not Direct3D. This is usually OK because you can run RowPro 3D Live Water successfully in OpenGL. Note however that if you later see any graphics issues while using OpenGL, the first diagnostic check is normally to try Direct3D, so it's importnat to have Direct3D installed as well. If RowPro Setup was unable to install Direct3D with Rowpro and you need to install Direct3D manually:

- Go to the Microsoft Download Center and type DirectX9 into the Search box. The first item in the search results should be the latest version of DirectX9. Download that and install it in your RowPro PC. Make sure you install **DirectX9**, not DirectX10 or some other version.

Yes OpenGL and DirectX

This indicates your PC can run RowPro Live Water in 3D using either OpenGL or Direct3D. This is the ideal situation.

RowPro Graphics Test Solutions

There are two main graphics systems that RowPro can use to display 3D graphics:

1. **OpenGL** - OpenGL is an industry standard graphics system.
2. **Direct3D** - Direct3D is the 3D graphics part of the Microsoft DirectX multimedia system.

You can select which of these graphics systems is used by RowPro in **Control Center | System Settings**.

By default, many computers have OpenGL installed but not Direct3D. If the correct version of Direct3D is not already installed in your RowPro computer, the RowPro Setup will install it along with RowPro.

Note: Your computer graphics driver may work perfectly in both OpenGL and Direct3D modes, however it is not unusual to find computer graphics drivers have problems with either Direct3D or OpenGL. If you're having problems with the 3D graphics in RowPro, you should try selecting the other graphics system in **Control Center | System Settings** to see if that works correctly.

RowPro 2D test solutions

When running in 2D, RowPro should always just work. If RowPro detects a problem running in 3D it will automatically switch to 2D until the problem is resolved and you can set RowPro to run in 3D again.

In the unlikely event that the RowPro PC Graphics Test Utility reports 'No' for RowPro 2D, your PC has serious graphics issues. Please contact assist@digitalrowing.com for assistance.

RowPro 3D test solutions

When running in 3D with Static Water, RowPro can use either OpenGL or (once it is installed) Direct3D.

Static Water is not particularly demanding of your PC, and any XP or later PC should be able to run RowPro 3D with static water in either OpenGL or Direct3D.