



RDShade Manual

The ultimate tweaking tool for Prepar3D V4 + V5

RDShade
Home Customization Settings Preset Help Targeted P3D: v5.3.17.28160

Lighting Clouds Sky Environment HDR Others Overview Enabled Tweaks Community

< Back to mode selection < Cirrus clouds > Volumetric clouds

What does it do?
In this tab you can adjust everything that has to do with the Cirrus clouds when volumetric clouds are enabled. From density to cloud scale and edge sharpness. Keep in mind that each cloud has its own characteristic and different default values.
Some of these settings such as cloud scale have a significant impact on performance while other adjustments have less of an impact on FPS.

Settings	Value	Control
Density	0.05	Dropdown
Cell noise	0.5	Dropdown
Cell noise scale	1.0	Dropdown
Cloud edge diffusion	0.95	Dropdown
Cloud scale	50.0	Dropdown
Cloud base noise	0.65	Dropdown
Cloud edge noise	0.01	Dropdown
Cloud edge sharpness	0	Dropdown
Churning effect strength	1.0	Dropdown

Performance impact: **High**

Enable Disable Images Restore

Apply Discard all Restore all

RDShade 1.0

1. Introduction

Welcome to the RDShade manual and thank you for purchasing RDShade.

In this manual we will explain the ins and outs of the software and how to get the most out of your purchase. We have tried to design the software in such a way that everything you get in contact with speaks for itself.

However, a manual can be very useful to check and see if there are features that you have missed or if you are doing everything in the correct way.

Let's not waste any more time. Let's get started and make your Prepar3D look as good as it can be!



2. Installation

The installation process of RDSshade is very simple and should prevent any issues from occurring.

The first time you download and install RDSshade, run the installer downloaded from the website of purchase and install RDSshade.

At first start-up you have to insert your serial key, this has to be completed only once, by doing this your PC is authorized to use RDSshade.

As soon as your key is accepted you will be greeted by the welcome screen and you are ready to start!



3. Updating

When an update is available for RDSshade you will be notified via the e-mail address used for the purchase of RDSshade.

A link will be available in this e-mail to download the new version, you will download a new installer and you can simply install this new installer and your RDSshade will be ready to go, no need to: restore your shaders before updating, uninstall RDSshade before updating or inserting your serial again. Everything is taken care of automatically

On the home page in RDSshade you can see the changelog and see what the latest changes have been to the recently updated version.

4. Home page

On the home page you can find all the information or quick actions you might need, a link to download presets, changelog and ability to clear your shader cache manually if necessary, this is done automatically but can also be done manually.

Please check your Prepar3D main folder together with the targeted P3D version in the top right corner, if this is not set correctly please select the correct main folder and change the targeted P3D version in the settings menu.

Navigation menu

The screenshot shows the RDSHade application interface. At the top, there is a navigation menu with 'Home', 'Customization', 'Settings', 'Preset', and 'Help'. The 'Home' page is divided into four main sections: 1. 'Welcome to RDSHade!' with introductory text and a 'Facebook' link. 2. 'Quick settings' containing 'Prepar3D Main location' (with an 'Open' button and a text field showing 'C:\Program Files\Lockheed Martin\Prepar3D v5\') and 'Clear shader cache' (with a 'Clear' button). 3. 'Looking for presets?' with text about downloading presets and a 'Download presets' button. 4. 'Change log' showing 'Version 1.0' and 'RDSHade Version V1.0 Release | Date 26-03-22 - Initial release of RDSHade'. At the bottom right, there is a 'Check for updates' button. The top right corner features a 'Switch between light and dark mode' toggle and 'Targeted P3D: v5.3.17.28160'. The footer displays 'RDSHade 1.0'.

Switch between light and dark mode

Set Prepar3D location / Clear shader cache

Changelog based on the latest update

See if you have the latest version

Download presets created by the community

5. Customization

The customization tab is 'Where the magic happens' and where you will spend 90% of your time in RDSshade, important that you know how to navigate and what everything means!

Navigate between different categories

Explanation of the tweak

The screenshot shows the RDSshade application window with the 'Customization' tab selected. The navigation bar includes 'Home', 'Customization', 'Settings', 'Preset', and 'Help'. The 'Lighting' category is active, and the 'Aircraft & Scenery brightness' tweak is selected. The interface is divided into two main sections: an explanatory text on the left and a 'Settings' panel on the right. The settings panel includes two sliders: 'Cockpit brightness' (set to 0.45) and 'Scenery brightness factor' (set to 1.67). At the bottom of the settings panel, there are 'Enable', 'Disable', and 'Restore' buttons. A 'Performance impact' dropdown is set to 'None'. At the very bottom of the window, there are three large buttons: 'Apply' (green), 'Discard all' (yellow), and 'Restore all' (red). The top right corner shows 'Targeted P3D: v5.3.17.28160' with a green indicator.

Green = Connected to Prepar3D
Red = Disconnected from Prepar3D

If you can live edit the tweak or you have to restart + Enabled / disabled indicator

Values to adjust, as much decimal as you like

How much the tweaks impact performance

Enable = Tweak enabled
Disable = Tweak disabled
Restore = Tweak set to default values

Apply = Apply current enabled tweaks
Discard all = Undo changes made since last Apply
Restore all = Disable all tweaks and restore to default

An easy list of all tweak you have currently enabled. This gives you a great overview as well as allows you to remove tweaks and change values quickly without having to go to the tweak in the normal menu's

The screenshot shows the RDSshade application window with the 'Enabled Tweaks' tab selected. The interface includes a navigation menu at the top, a list of enabled tweaks, and control buttons at the bottom. Annotations provide context for various UI elements.

Green = Connected to Prepar3D
Red = Disconnected from Prepar3D

Navigate between different categories (points to the top navigation menu)

Remove tweak from enabled list (points to the 'Clouds Mode' dropdown)

Open and close tweak tab to adjust (points to the 'Aircraft & Scenery brightness' dropdown)

Values to adjust, as much decimal as you like (points to the 'Cockpit brightness' and 'Scenery brightness factor' input fields)

Apply = Apply current enabled tweaks
Discard all = Undo changes made since last Apply
Restore all = Disable all tweaks and restore to default

Targeted P3D: v5.3.17.28160

Enabled tweaks list

Tweak Name	Status	Value
Clouds Mode	Disable	-
Aircraft & Scenery brightness	Is enabled: <input checked="" type="checkbox"/>	-
Cockpit brightness	-	0.45
Scenery brightness factor	-	1.67
Autogen saturation	Disable	-
Specular lighting	Disable	-
Cirrus lighting	Disable	-
Sky fog	Disable	-
Water saturation	Disable	-
Water surface	Disable	-
Wave speed	Disable	-

Apply Discard all Restore all

RDSshade 1.0

6. Settings

The main control panel of RDSshade, here you can find all the settings you might need to adjust RDSshade and make it work properly. In all normal operation you shouldn't have to change anything here and should be set automatically.

The screenshot shows the RDSshade Settings window with the following sections and callouts:

- Navigation menu:** Home, Customization, **Settings**, Preset, Help
- Targeted P3D:** v5.3.17.28160
- RDPresets section:**
 - Prepar3D Main location:** C:\Program Files\Lockheed Martin\Prepar3D v5\ (Callout: Select main Prepar3D location)
 - Default preset location:** C:\Users\higam\OneDrive\Documenten\RdShade\Presets (Callout: Select location to save presets)
- Targeted Prepar3D version:** Prepar3D version: 5.3.17.28160 (Callout: Manually change the targeted Prepar3D version)
- Shaders section:**
 - Clear shader cache:** Clear (Callout: Clear shader cache)
 - Restore original shaders:** Restore (Callout: Restore to default Prepar3D shaders)
- Change log:** Version 1.0, RDSshade Version V1.0 Release | Date 26-03-22 - Initial release of RDSshade (Callout: Changelog based on the latest update)
- Check for updates:** Check for updates (Callout: See if you have the latest version)

RDSshade 1.0

7. Preset

The presets tab is one of the places where lot's of people will end up when using RDSshade, here you can save the preset that you have made as well as open preset you have downloaded from others or one of the **default presets included with RDSshade!**

The screenshot shows the RDSshade application window with the 'Preset' tab selected. The interface is divided into two main columns. The left column contains a 'Presets explained' section with text about saving and sharing settings, and a 'Looking for presets?' section with a 'Download presets' button. The right column is titled 'Settings' and contains several actions: 'Save current preset' (Save button), 'Open preset' (Open button), 'Reset current preset' (Reset button), 'Restore Prepar3D Shaders' (Restore button), 'Live edit shaders' (On button), and 'Reset clouds mode on 'Restore All'' (On button). Below these is an 'Active preset:' field showing 'Daniel_Preset.ini'. At the bottom left, there is an 'Apply' button. The top navigation bar includes 'Home', 'Customization', 'Settings', 'Preset', and 'Help'. The top right corner shows 'Targeted P3D: v5.3.17.28160' and a green status indicator.

Green = Connected to Prepar3D
Red = Disconnected from Prepar3D

Open preset

Preset to default

Restore Prepar3D shaders to default

Turn on/off live editing mode

Include cloud mode in restore

Currently active preset name

Download presets from community

Apply = Apply opened preset

8. Help

In the help tab you can find everything you might need when using RDSshade, you have multiple options here and you can choose the ones that fit you and your issue best!

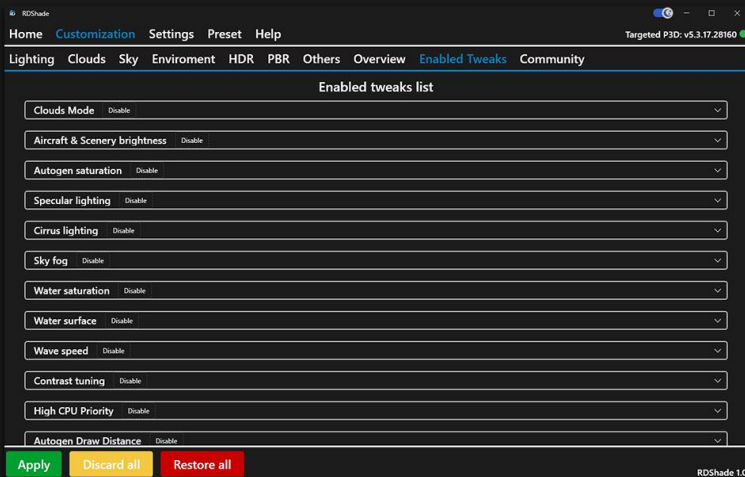
The screenshot shows the RDSshade application window with the Help tab selected. The window title is 'RDSshade' and it shows 'Targeted P3D: v5.3.17.28160'. The navigation bar includes 'Home', 'Customization', 'Settings', 'Preset', and 'Help'. The main content area is divided into four quadrants:

- FAQ:** Contains text about frequently asked questions and a blue 'FAQ' button. A callout line points to this button with the text 'Frequently asked questions'.
- Manual:** Contains text about a detailed manual and a yellow 'Manual' button. A callout line points to this button with the text 'Hopen this manual'.
- Looking for presets:** Contains text about finding other users and a blue 'Download presets' button. A callout line points to this button with the text 'Download presets from community'.
- Contact us:** Contains text about contacting support and a blue 'Contact us' button. A callout line points to this button with the text 'Contact us for help'.

The bottom right corner of the window displays 'RDSshade 1.0'. A legend on the right side of the image indicates that a green dot represents 'Connected to Prepar3D' and a red dot represents 'Disconnected from Prepar3D'.

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Tweaks included in Version 1.0



Lighting

- Aircraft & Scenery Brightness
- Autogen Night Lighting
- Autogen Saturation
- Specular Lighting
- Terrain Saturation
- Cockpit Shadows
- Cockpit Saturation
- Terrain Shadows
- Terrain Lighting
- Cockpit & Environment Brightness

Clouds

Volumetric

- Resolution, Quality and draw distance
- Cumulonimbus clouds
 - Density
 - Cell Noise
 - Cell Scale
 - Cloud Edge Diffusion
 - Cloud Scale
 - Cloud base noise
 - Cloud edge noise
 - Cloud edge sharpness
 - Churning effect Strength

Cirrus clouds

- Density
- Cell Noise
- Cell Scale
- Cloud Edge Diffusion
- Cloud Scale
- Cloud base noise
- Cloud edge noise
- Cloud edge sharpness
- Churning effect Strength

Stratus clouds

- Density
- Cell Noise
- Cell Scale
- Cloud Edge Diffusion
- Cloud Scale
- Cloud base noise
- Cloud edge noise
- Cloud edge sharpness
- Churning effect Strength

Cumulus clouds

- Density
- Cell Noise
- Cell Scale
- Cloud Edge Diffusion
- Cloud Scale
- Cloud base noise
- Cloud edge noise
- Cloud edge sharpness
- Churning effect Strength

Original

- Cirrus lighting
- Sunrise-sunset cloud saturation
- Cloud lighting and saturation
- Cloud scaling
- Cloud light scattering
- Cloud shadow depth

Sky

- Sky Fog
- Sky Saturation
- Haze tweaking

Environment

- Water Saturation
- Water surface tweaking
- Wave speed

PBR

- PBR Terrain Reflectance
- PBR Reflectance intensity
- PBR Sun & Moon lighting factor
- PBR Brightness

HDR

- Tonemap tweaking & Live syncing with Prepar3D

Others

- Scene tone adjustment
- Contrast Tuning
- High CPU Priority
- Autogen Draw Distance
- Improved texture loading
- Improved night and runway lighting
- Tree optimization

Let's fly!



9. Need more help?

Need more help or assistance after reading the RDSshade manual? Not to worry, the RDPresets team and other RDSshade users are always happy to help on the RDPresets Forum.

Create a post in the RDSshade section of the forum and we will help you with the issue you might have or anything else RDSshade or Prepar3D shaders related.

[Forum](#)