TERRAIN

v 1.5

3D Map Generator - Terrain

Content

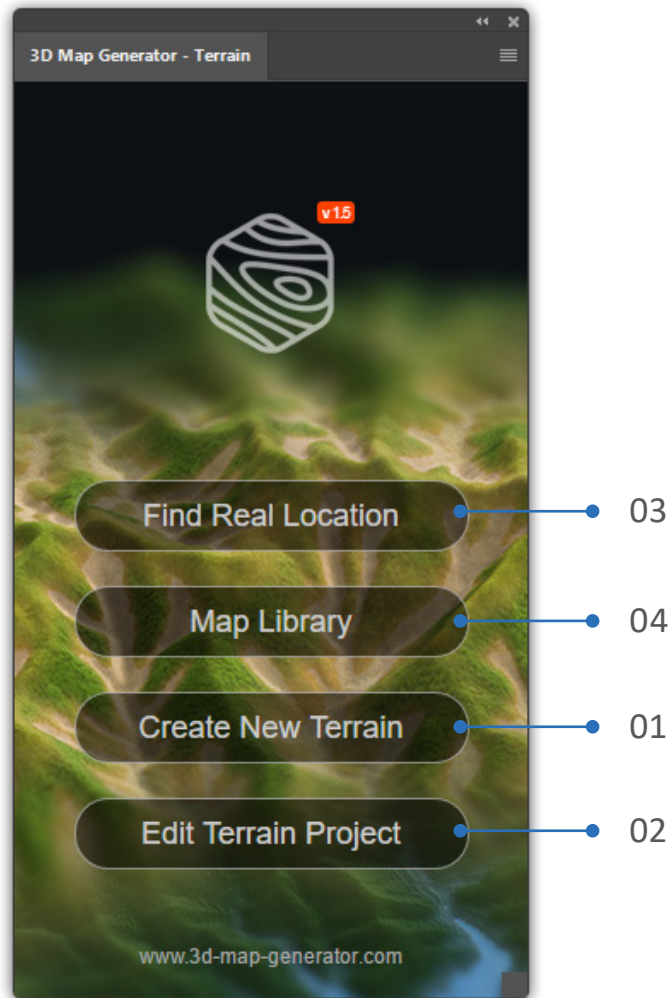# 3D Map Generator - Terrain

Plugin for Photoshop® CC-2014 + newer

Features

- 3D map from every heightmap possible
- Heightmap browser NEW
- Extensive tool to generate and edit your own heightmap
- Auto-heightmaps function NEW
- Map Library + free example set NEW
- 21 heightmap brushes UPDATE
- Map elevation setting
- 3D map from a shape NEW
- 3 different isometric map orientations (left, frontal, right)
- 6 Top-View Map Presets NEW
- 16 gradient presets
- 22 seamless textures UPDATE
- Auto-Texturing NEW
- Different texturing brushes
- 21 background presets
- Contour lines tool UPDATE
- Water level function UPDATE
- Map edge color picker tool NEW
- Guides tool NEW
- Add and delete map depth (unlimted)
- Global Shadow function
- 4 effect brushes for designing the map surface
- Random Clouds funtion NEW
- Gravel function NEW
- Icons library functions > add your own icons
- 100+ basic map icons UPDATE
- Panel for CC-2014 and newer
- Video Tutorials UPDATE

Panel Overview
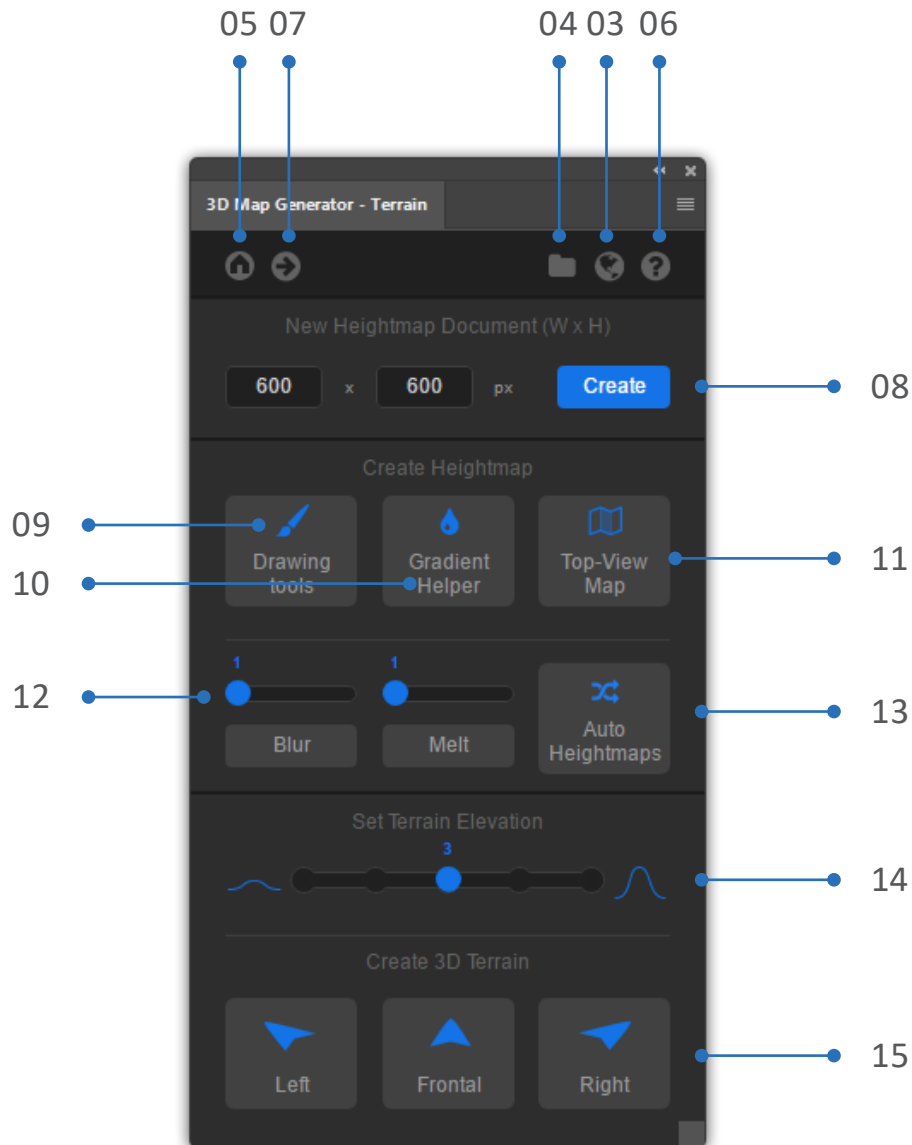## Start a new terrain project

01. Heightmap and 3D Terrain
- create or edit a new heightmap
- generate a new terrain from a heightmap

02. Styling und texturing
- edit an already existing 3D map

Heightmap – Design a heightmap

03. Heightmap browser - search and export heightmaps

04. Map Library - archive your own heightmap / import free example

05. Back to the start panel

06. Help panel

07. Styling and icon library panel

08. Create a blank heightmap document (width x height)

09. Heightmap brushes (see page 8)

10. Add a gradient helper for more a graphical view of the heightmap

11. Top-View Maps (see page 9)

12. Blur or/and melt your heightmap

13. Create random heightmaps

14. Controls the elevation intensity of the 3D map to be generated

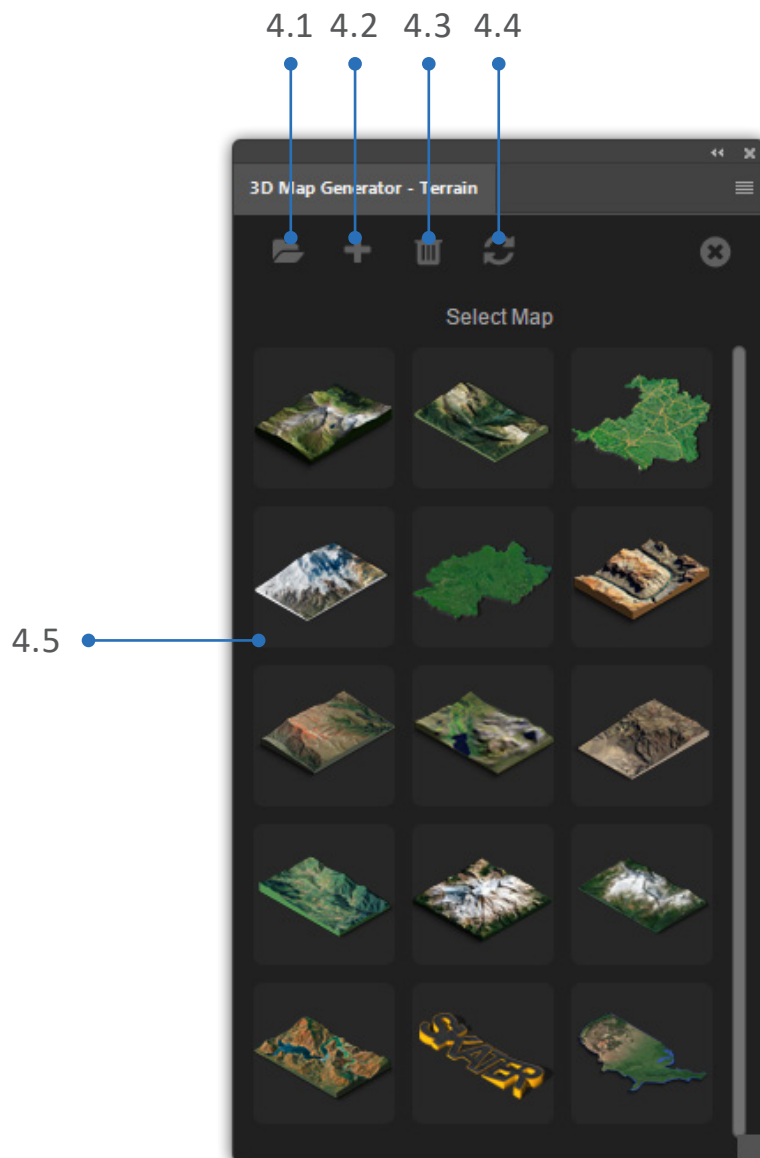**15.** 3D Map orientation (left, frontal, right)

Layer shortcodes

Rename the layer to get this additional features before creating the 3D map:

- "texture" marks this layer or group as a texture.

  So it will be positioned directly on the 3D map

- "shape" marks this layer or group as a shape of the 3D map
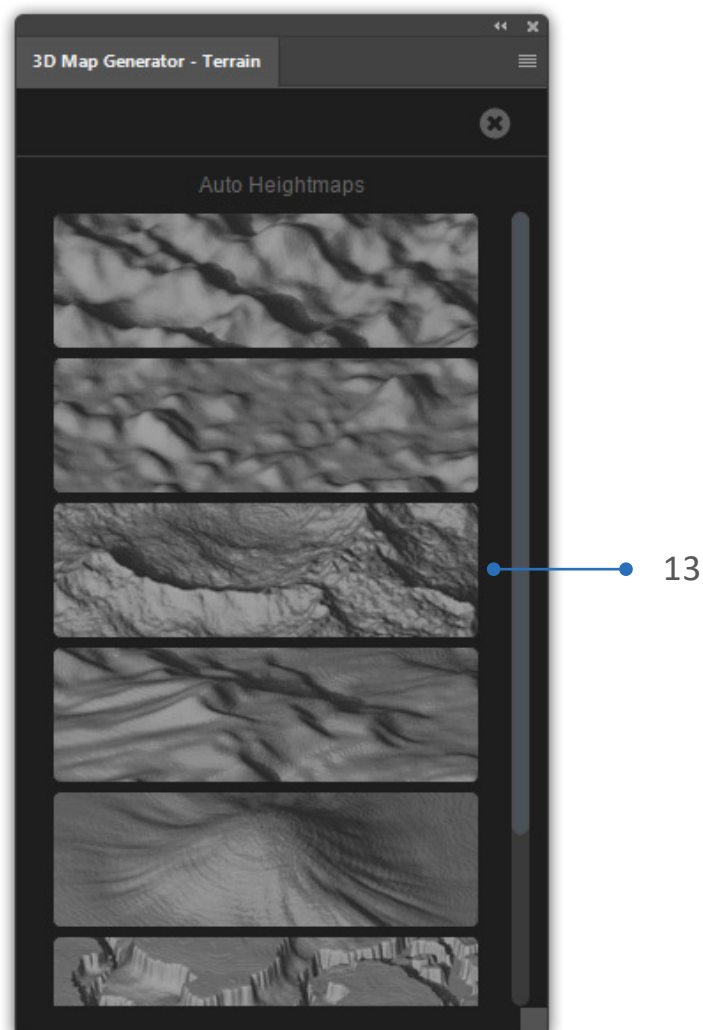
Map Library - archive your own heightmap/texture sets and 3D maps

4.1 4.2 4.3 4.4

4.5

4.1 Import set (see download link below)

4.2 Add item from oen document / overwrite with the same ename

4.3 Delete item

4.4 Refresh panel

4.5 Library items

Download free example map sets: https://ufile.io/qy46g
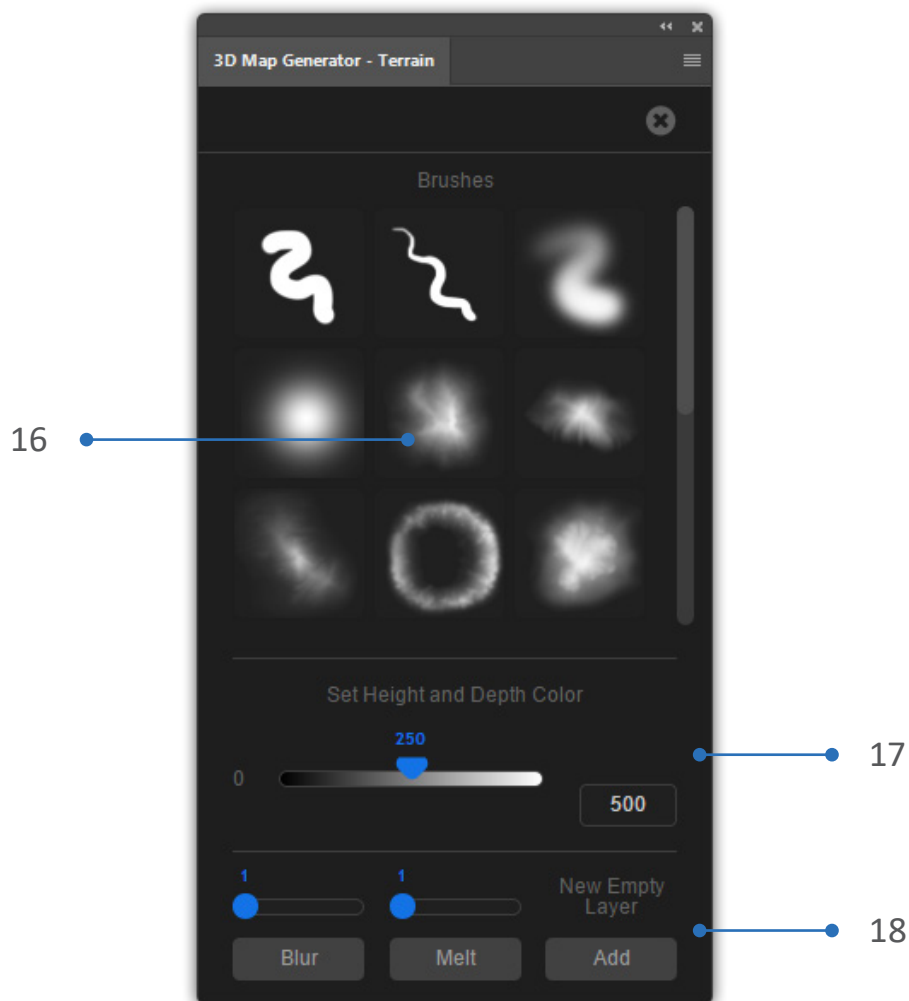
Heightmap – Brushes

**16.** 21 different brushes for designing or modifying your heightmap

17. A heightmap consists of grayscales between 0 (black) and 255 (white).
With this tool it is easy to select the different grayscales. Additionally you can enter the highest point of your map into the text field on the right side. The tool then calculates which grayscale relates to which height. The value appears above the blue slider. That will help you to generate more accurate terrains.

18. Create a new empty layer

Top-View Maps

Please watch this video to see how it works: https://youtu.be/P3xBWPKKm4s
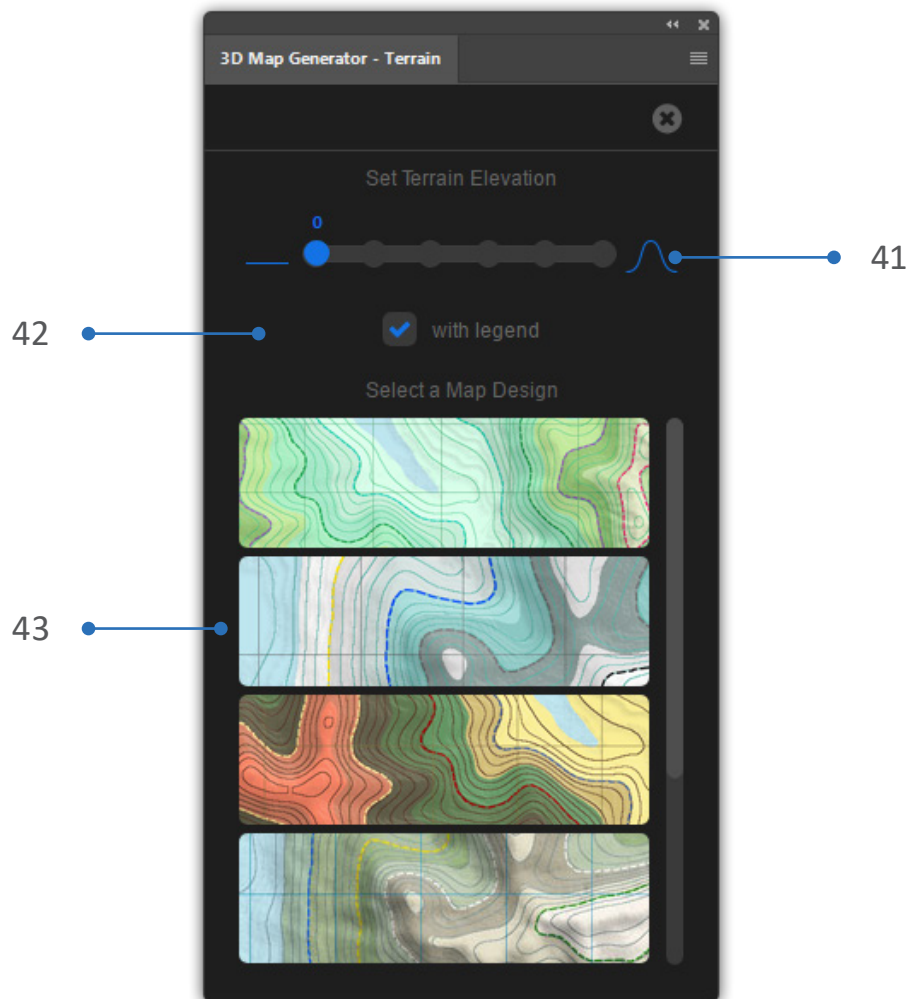
41. Set the terrain elevation level

42. Legend option

**43.** 6 different Top-View map designs

Styling – Design the terrain surface

19. Back to the heightmap panel

20. Styling panel

21. Icon library

22. Gradient presets panel (p. 11)

23. Texturing panel (p. 12)

24. Ground presets panel (p. 15)

25. Generates contour lines in different spacing. You can choose the color, use different spacings at the same time or delete all lines. (Please watch the knowledge videos p. 14)

26. Simulates the sea or groundwater level

27. Add more map depth

28. Edit the global light and shadow on your map

29. Different effect brushes and grain function for styling the surface:

- Gravel function generates automatically gravel around the 3d map

- 2 x trees

- water

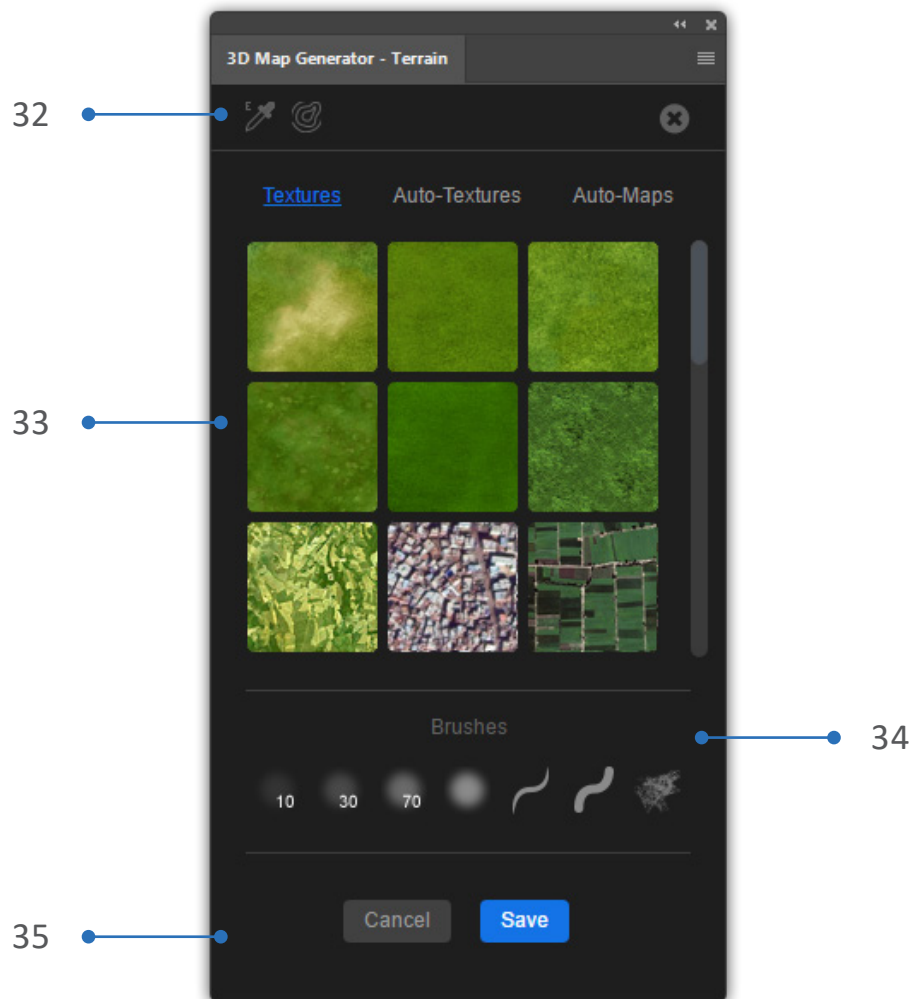- traffic

Styling – Gradient presets
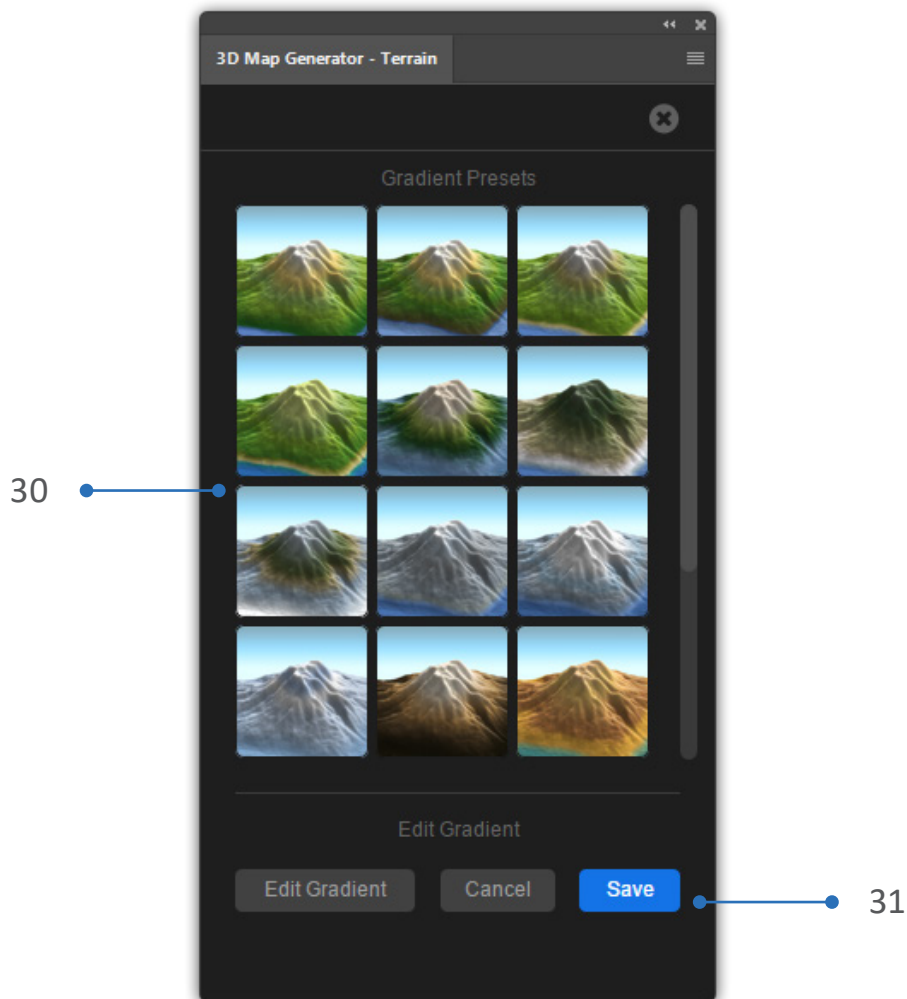
30. 16 different gradient presets

31. To edit the gradient:

     - click on the button "Edit Gradient" in the panel

     - open the window > properties

     - open the editor by clicking into the gradient

     - after editing click "Save" in the 3D Map Generator - Terrain panel

Styling – Texturing

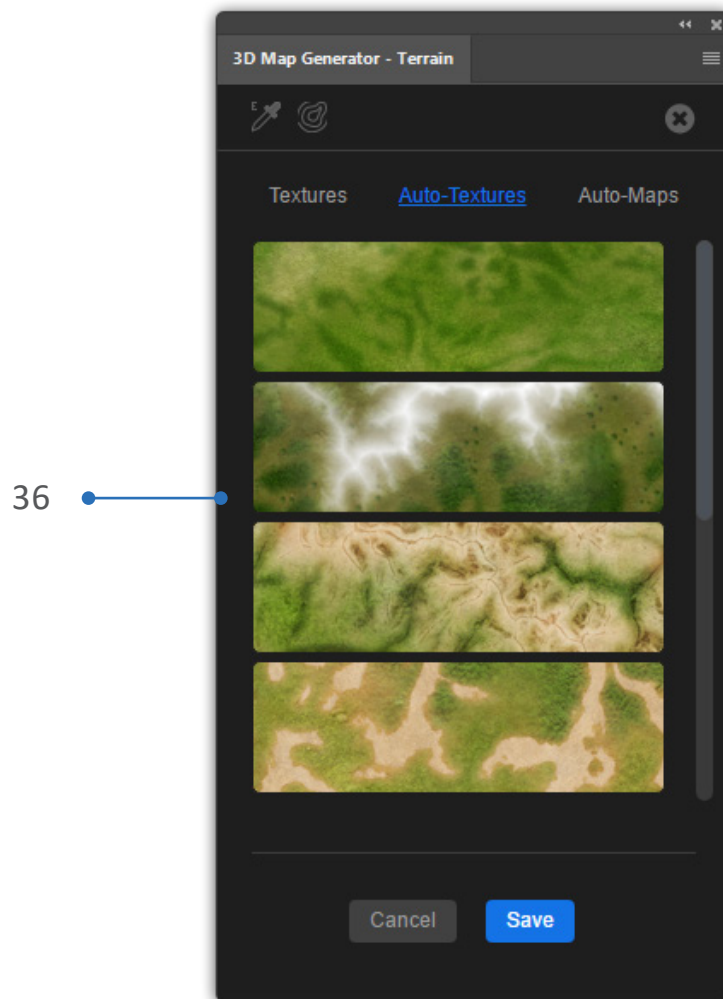**32.** Edge color picker tool and Guides tool

33. 29 seamless textures:

  - simply click on the desired texture and start to draw directly on the map

  - last one special: set grid size and color

34. Different texturing brushes
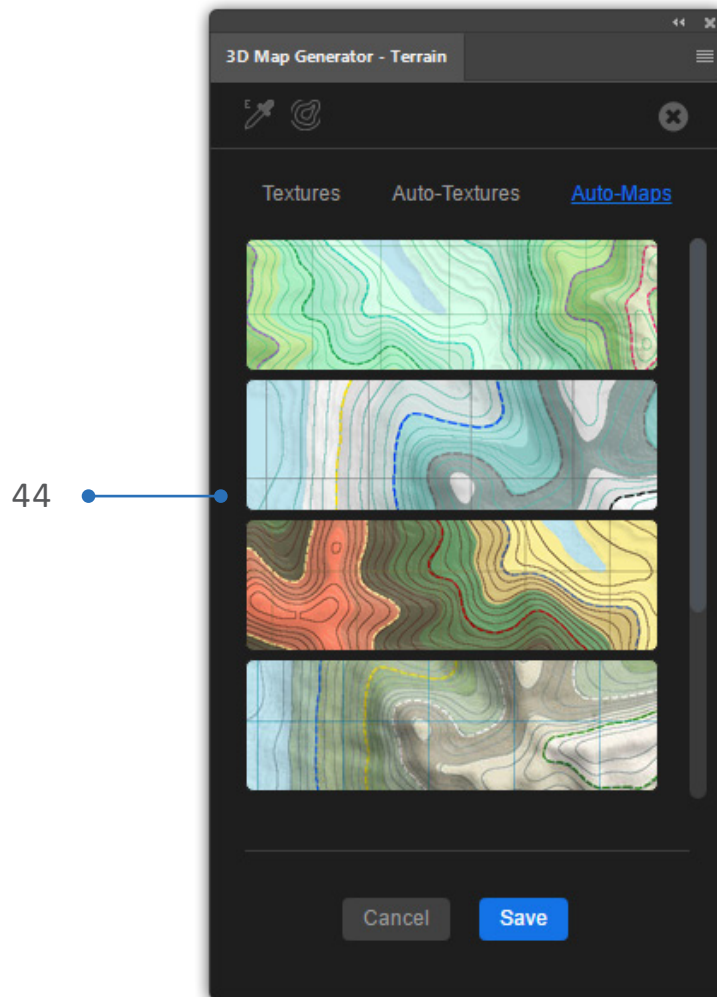
35. Save the modified texture

Styling – Auto-Texturing

36

36. Auto-Texturing creates 8 different map textures automatically
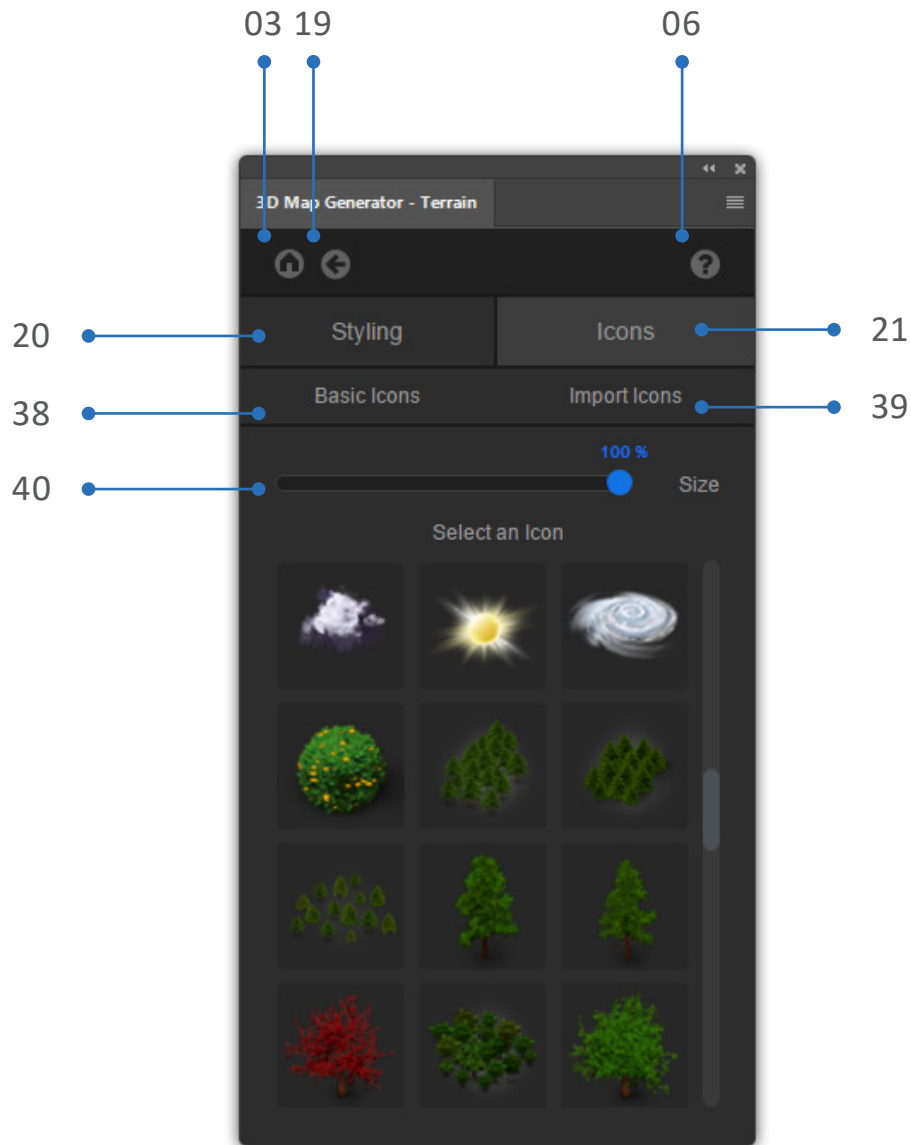
Styling – Auto-Maps

44

44. Auto-Maps creates 6 different Top-View map textures automatically

Styling – Background presets

37

37. 21 different background presets
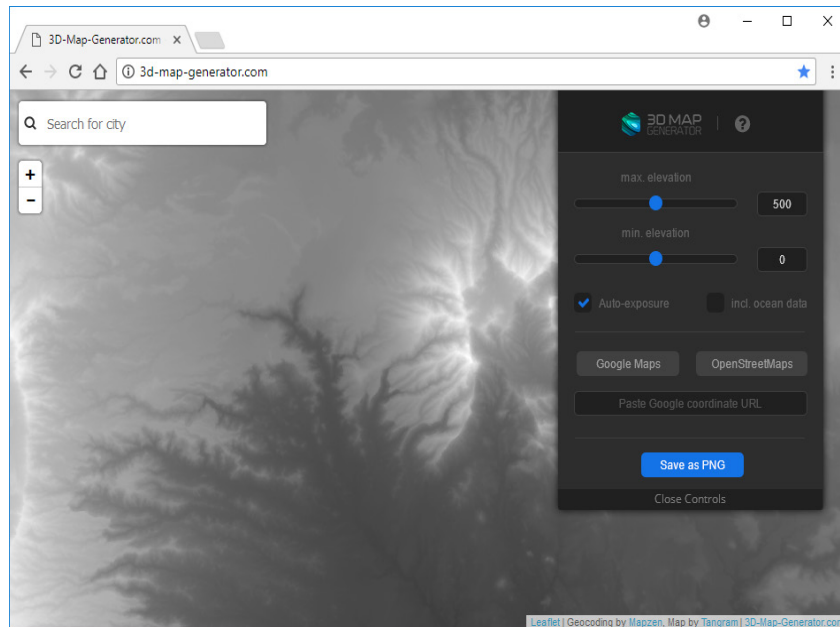
Styling – Icon library

38. 81 basic icons for styling your 3D map

39. Add your own icons into the icon library

40. Set the icon size

Tangram Heightmapper - Online Heightmap Browser

This is an elevation data browser, which "auto-exposes" the display, so that the highest and lowest visible elevations are white and black. The result is a grayscale heightmap, suitable for use in Photoshop with the 3D Map Generator-Terrain to generate individual 3D Maps.
Tutorial video: https://youtu.be/Bb0HnaYNUx4
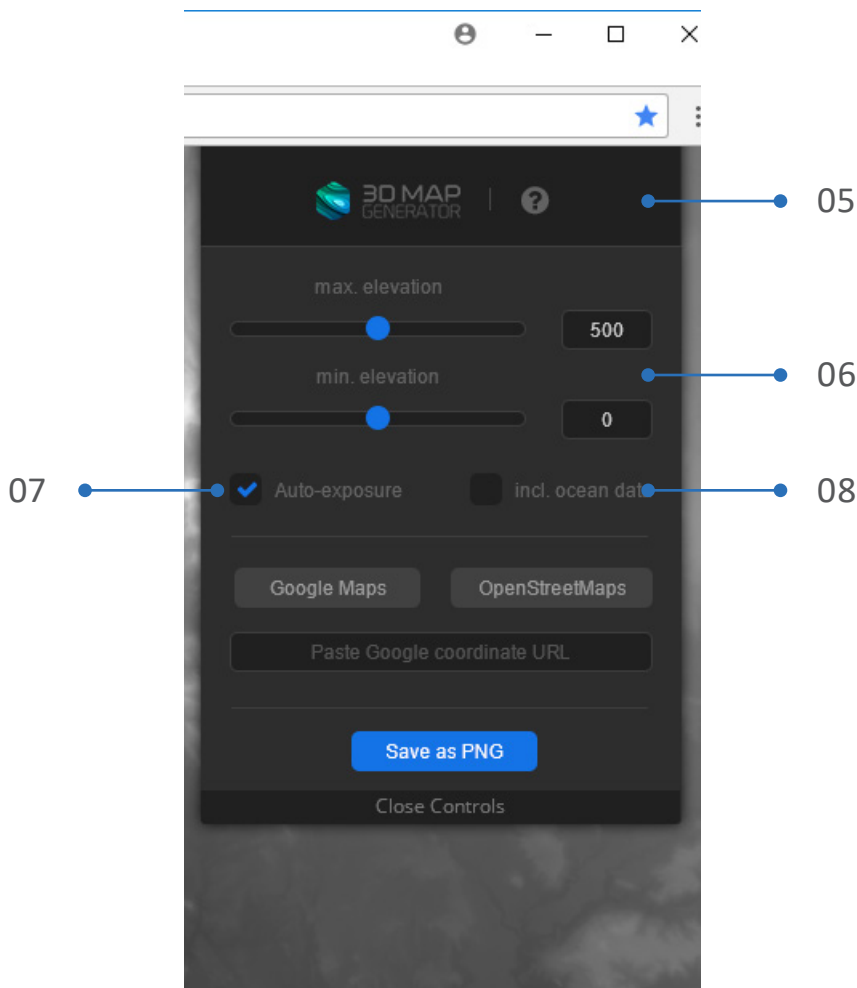
Short instructions:

- Find the location you are looking for on Google Maps first - click "Google Maps"
- Copy the Google Maps URL to the search field in the Heightmapper panel and press "OK"
- Click "Save as PNG" to save the result image to your hard disk.
- Go back to the Google Maps tab and switch to satellite view
- In the Google Maps menu click "3D off" and "Label off"
- Take a screenshot of the full browser view
- Open the grayscale heightmap in Photoshop and place the google maps screenshot
- name the texture layer (google screenshot) "texture"

Optional:
- Uncheck "auto-expose" to set min and max height levels manually
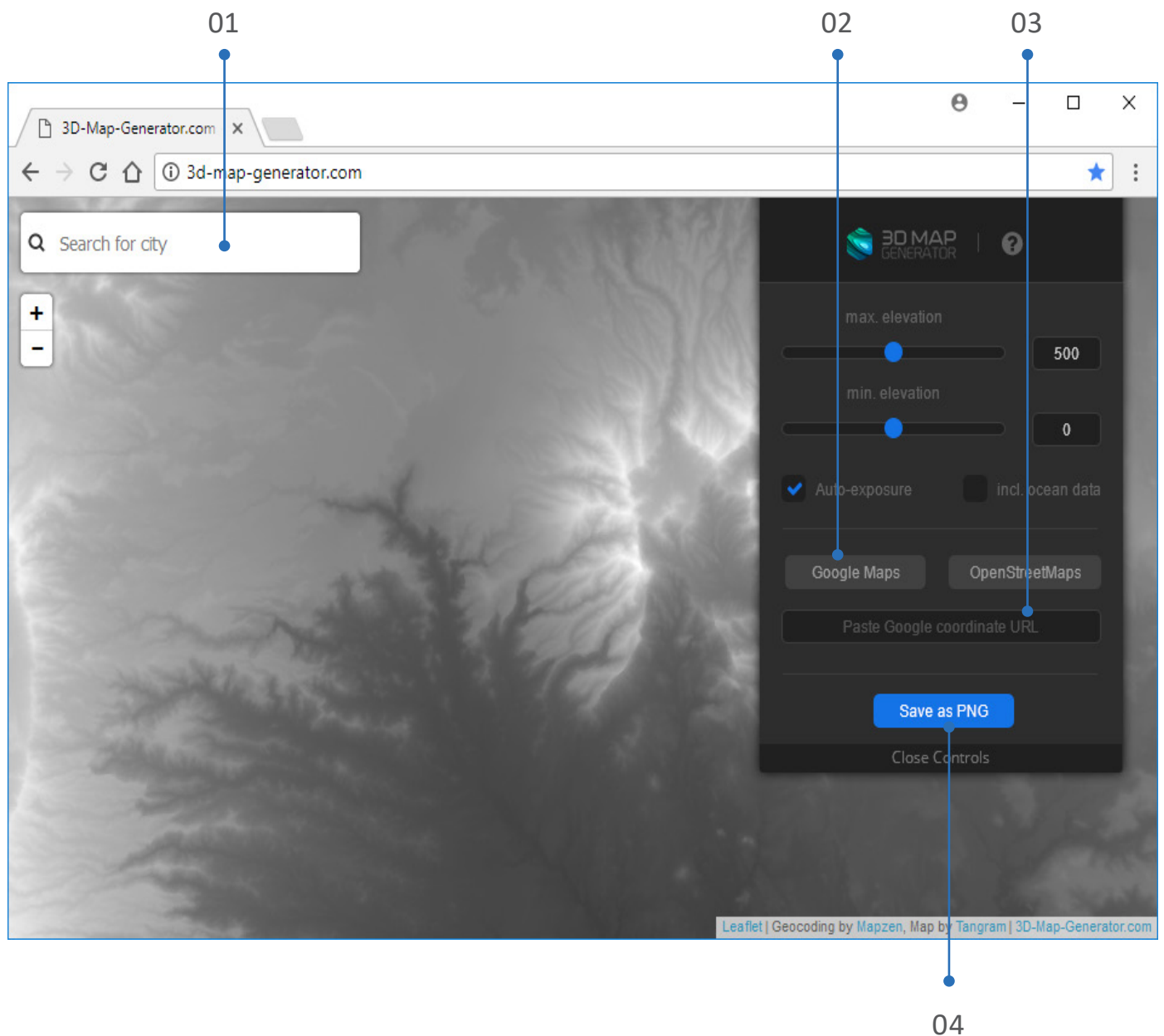
01. Search for locations only with the Heightmapper

02. Go to Google Maps (or OpenStreetmap)

03. Paste the Google Maps coordinate URL

04. Save the result as PNG on your hard disk

05. Help / Short instruction

06. Set the elevation

07. Auto-exposure

08. Show the ocean data

If you use Google maps textures make sure you do not violate any rights:
https://www.google.com/intl/en_de/help/terms_maps.html

Install the panel in
Photoshop CC-2014 and newer

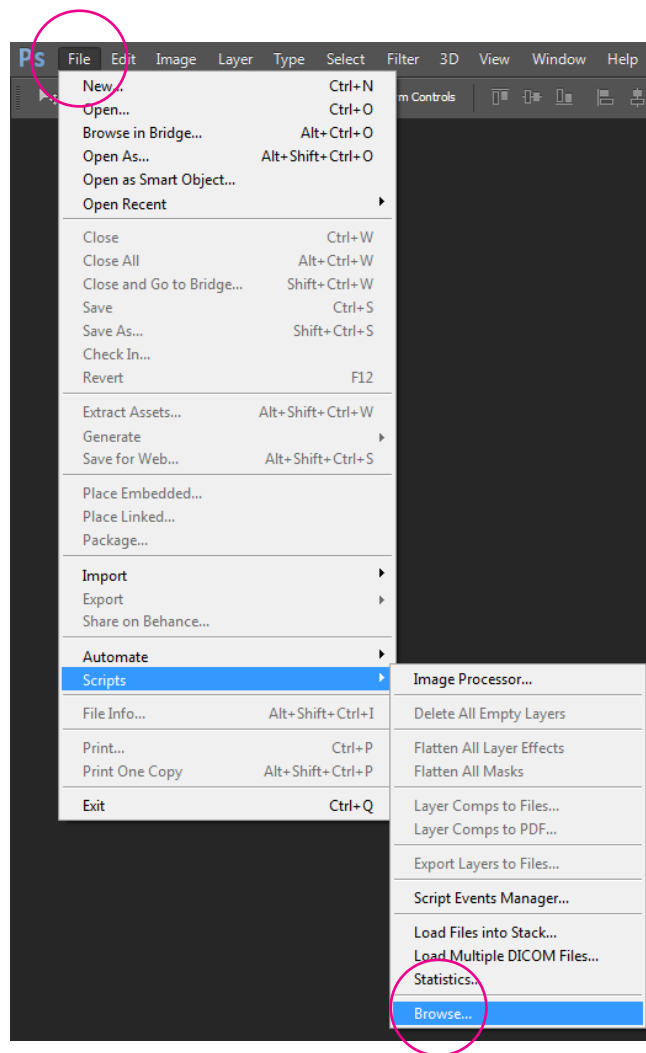# Install the panel – Photoshop CC-2014 + newer

IMPORTANT:
Do not modify the content of the 3D Map Generator folder!
If you modify the content of the folder, the plugin will no longer work. Then you have to download it again.
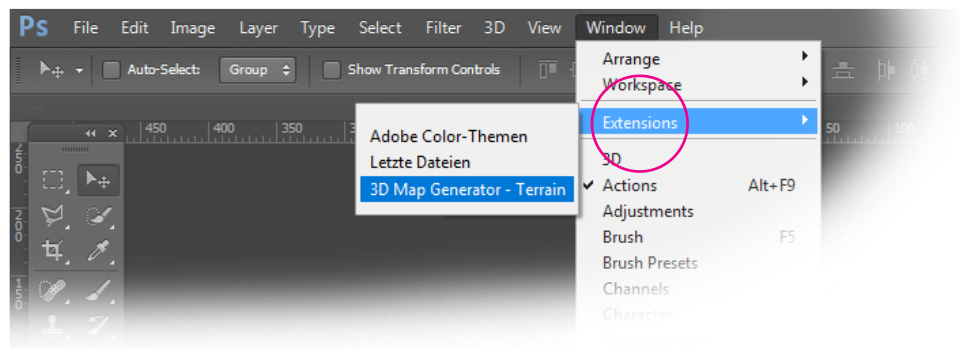
1. Open Photoshop, go to File > Scripts > Browse...

2. Browse to the unzipped 01_installation folder
and select the 3D-Map-Generator-Terrain-installer.jsx
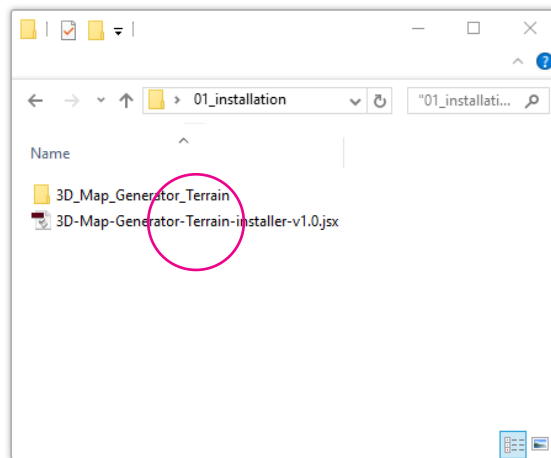
3. Follow the instruction
4. Restart Photoshop
5. Browse to Window > Extensions > 3D Map Generator - Terrain

ONLY from Photoshop CC-2018

6. Choose „Load as Tool" in the Photoshop message box
 - **Done!** ✅
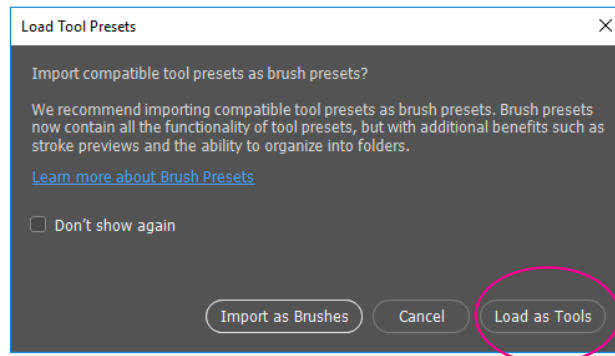
ONLY from Photoshop CC-2018

If no message box appears and the plugin does not work as described:

1. Go to Edit > Preferences > General ... (CTRL + K)

2. Click „Reset All Warning Dialogs"

3. Open the plugin again and

4. Choose „Load as Tool" in the Photoshop message box
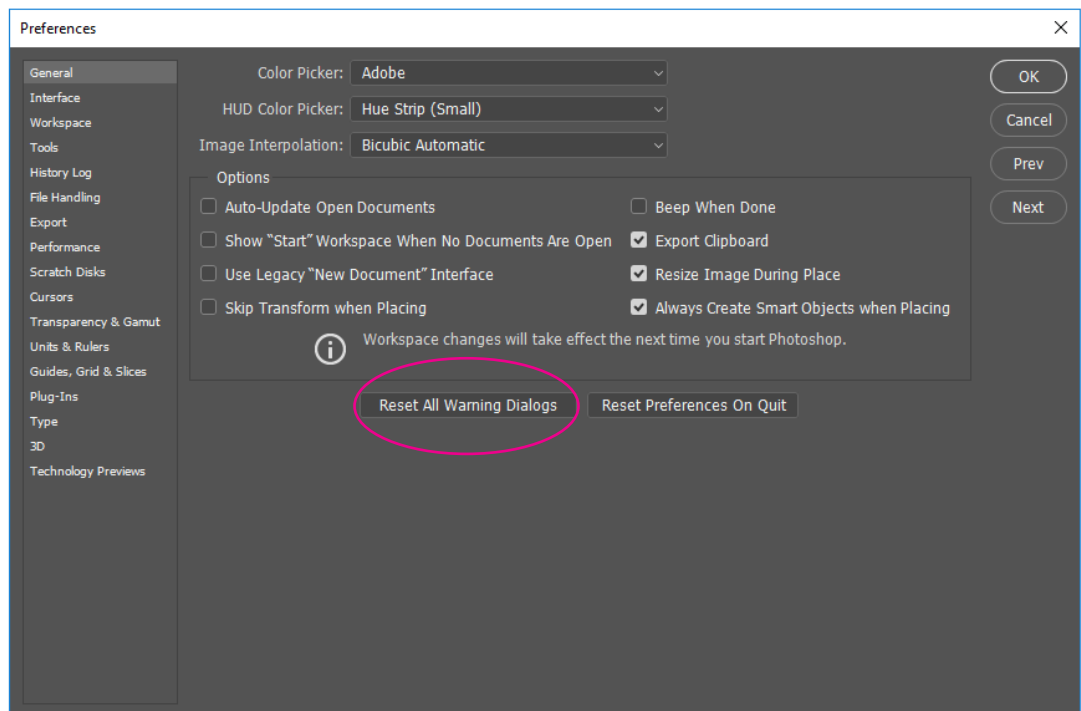
Uninstall

1. Click the HELP button in the panel and scroll to 12.

2. Click the Uninstall button and follow the instruction

3. Restart Photoshop

Update the plugin

https://youtu.be/cQ-2RV8eIQo

Refresh the plugin

https://youtu.be/E0iWftg9YYA

Uninstall the plugin

https://youtu.be/x_5FYxgJyY4?t=66

Uninstalling manually

1. Navigate to the extensions folder to the appropriate directory:

WINDOWS
Windows 64: C:\Program Files (x86)\Common Files\Adobe\CEP\extensions\
Windows 32: C:\Program Files\Common Files\Adobe\CEP\extensions\

OSX
/Library/Application\ Support/Adobe/CEP/extensions/

2. Delete the "3D_MAP_GENERATOR_TERRAIN.extension" folder.

Tutorials

Install and Uninstall	https://youtu.be/x_5FYxgJyY4
Draw a basic heightmap	https://youtu.be/eJgHer3fUkA
Get a heightmap from a real location	https://youtu.be/Bb0HnaYNUx4
Styling > Gradients	https://youtu.be/TwQWCTNLnpg
Styling > Texturing	https://youtu.be/sykl2Q2D428
Styling > Contour Lines	https://youtu.be/wS76d1RX-qI
Styling > Backgrounds	https://youtu.be/DXooN7Z04FA
Place and Load own Icons	https://youtu.be/RNtX2X0N2MM

Update tutorials

Auto-Texturing tool	https://youtu.be/4a2ivmpcSrk
3D Map from Shape	https://youtu.be/ckZebUrQCNQ
Refresh the plugin tools	https://youtu.be/0W6ZzhIrvYE
How to update the Plugin	https://youtu.be/cQ-2RV8eIQo
What is new in v1.1	https://youtu.be/H0ZpUI7PQfE
What is new in v1.4	https://youtu.be/P3xBWPKKm4s
What is new in v1.5	https://youtu.be/3bO2bFN_nTo

Puplic tutorials

How to get a bigger sized 3D Map	https://youtu.be/Rp_I4Yd-vWQ
How to change the resolution to 300 dpi	https://youtu.be/cZ2OoEMpb60
How to empress a road into 3D map	https://youtu.be/kq1HHbzCSAo
Create an individual 3D typography	https://youtu.be/PNELmBMXrdw
Create a Cross-Section through a volcano	https://youtu.be/SXp3E3brrMk
Edit the background preset	https://youtu.be/0z8yrpu-FUA
From heightmap + Google Maps to 3D [...]	https://youtu.be/Bb0HnaYNUx4

Knowledge

What is a heightmap (Wikipedia): https://en.wikipedia.org/wiki/Heightmap
What is a contour line: https://youtu.be/9kNkpQTwPc0
How to read and interpret topographic maps: https://www.youtube.com/watch?v=L1AWNR-Y0pQ

Isometric graphics (Wikipedia) : https://en.wikipedia.org/wiki/Isometric_graphics_in_video_games_and_pixel_art

Resources

Heigtmaps with Global Data Explorer: https://gdex.cr.usgs.gov/gdex/
Free heightmaps from terrain.party (only US): http://terrain.party/
OpenStreetMap: http://www.openstreetmap.org

Download free example map sets: https://ufile.io/qy46g

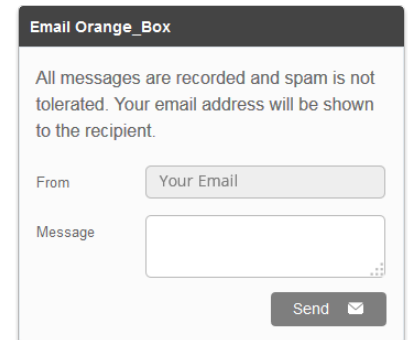## Support and troubleshooting

Of course we will support you with the installation and usage of this plugin. Just write us an e-mail by using the contact form on our envato profile page.

http://graphicriver.net/user/Orange_Box

But before you send your message, please read the instructions and watch the tutorials. It's much faster than waiting for a reply. We spend a lot of time to describe all steps very well.

Email Orange_Box

All messages are recorded and spam is not tolerated. Your email address will be shown to the recipient.

From   Your Email

Message

Send ✉

Didn't you find the answer?

Then please log in to your envato account and use the e-mail form at our profile page to contact us.

If you are reporting an issue:

- give us as much information as possible
  (Photoshop Version number, OS version)
- tell us what exactly you have done
- screenshots are helpful
- videos are very helpful. Try this free app: http://recordit.co/

! *More 3D-Map-Generator Infos, Tutorials and Stuff:* **www.3d-map-generator.com**