



TrueEarth

Great Britain South

USER GUIDE DECEMBER 2019



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Thank you!

Orbx would like to thank you for purchasing **Orbx TrueEarth Great Britain South!**

TrueEarth Great Britain South returns to Prepar3D in this all-new version which packs in considerable performance improvements over the previous version. Our TrueEarth series represents **innovative new technology** combined with relentless hard work to provide a truly realistic representation of the area. Combining satellite imagery, hand-crafted modelling and extensive research, TrueEarth Great Britain South gives you an unparalleled experience from the comfort of your home.

This all-new version also adjusts other areas of the product to represent the region in higher detail. TrueEarth Great Britain South V2 also extends the original coverage area to now include an **additional 3000 km²** of high-definition imagery. This brings the total coverage area to 104,462 km² of the stunning British landscape.

This update **focuses significantly on performance**, ensuring that you have the same stunning visual appearance whilst enhancing usability. New techniques have been discovered to improve the autogen, along with giving users the choice to use the simulator's settings to adjust scenery density depending on their personal system.

Further to the performance enhancements, points of interest have all been reviewed and bug fixed where needed. Hugely famous landmarks across the region include the historic Tower of London, Buckingham Palace and many, many more. Literally hundreds of iconic landmarks to seek out across the expansive area. Fly along the south coast from Dover to Cornwall and watch impressively rendered ships, including the ability to **land on many of their helidecks and aircraft carriers**.

You won't find a more comprehensive and up-to-date British flying experience anywhere!



Product Features

- Over 75,300 square miles (195,064 km²) of hand corrected, crisp, colour-matched aerial imagery
- Version 2 focuses heavily on performance for optimal details and considerable improvements over the first version.
- Huge range of realistically modelled boats with landable strips and helipads all along the south coast
- *New* Configurable options for those looking for additional performance gains
- Accurate building shapes to precisely match the ortho imagery footprints
- 180 million trees at the correct height and location
- 11.9 million buildings at the correct height and location
- VFR landmarks such as masts, windfarms, churches, power-lines, castles, stadiums and lighthouses are all accurately placed.
- Hundreds of custom-modelled 3D POIs
- Hand-placed and custom modelled landmarks placed throughout the scenery such as bridges, skyscrapers, castles, piers, and monuments.
- Sharp and detailed 10-meter mesh brings out stunning detail in natural features such as hills and beaches
- Superb watermasking along the entire coastline
- Summer season only with full night-lighting supported
- Fully compatible with Orbx Global and OpenLC Europe



Product requirements

This scenery addon is designed to work in **Lockheed Martin Prepar3D v4**.

Orbxlibs is also required for full functionality.

Quick Installation Guide

Installing Orbx TrueEarth Great Britain South is all managed by our Orbx Central application. This app is responsible for many aspects in maintaining your Orbx installation. Please visit the support forums to learn more.

TrueEarth sceneries are large and TrueEarth Great Britain South is no exception. Due to the large sizes and number of files, downloading and installing will take some time – so please be patient.

Once you have purchased TrueEarth Great Britain South it will be added to your account and you can have Orbx Central download and install it for you. The appropriate scenery library entries will also be managed by Orbx Central.

You may also manually download TrueEarth Great Britain South and then have Orbx Central manage the installation for you once downloaded. Similarly, this will take time as well as Orbx Central extracts a large number of zip files.

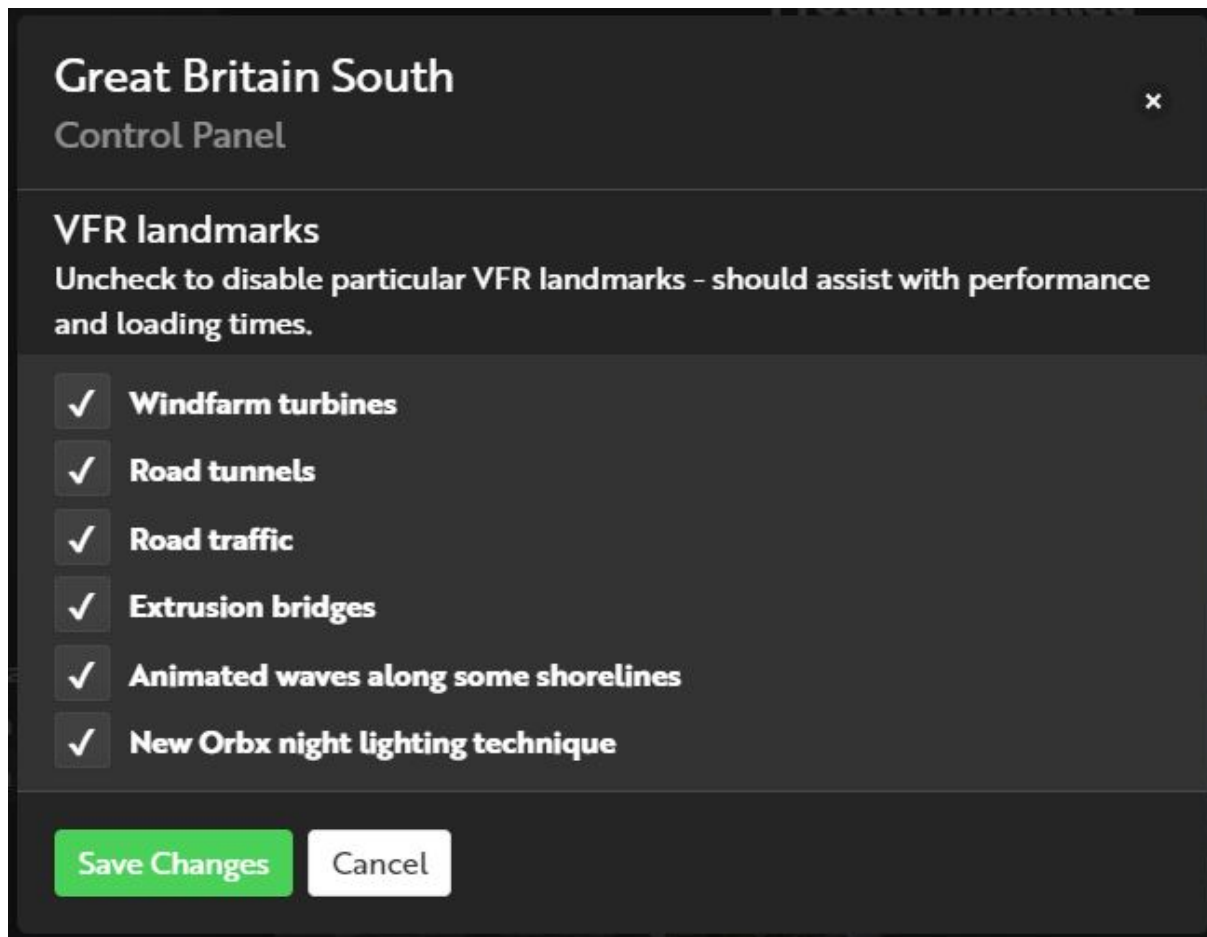
An internet connection is required for Orbx Central to validate your license.



TrueEarth Great Britain South Control Panel

The Control Panel can be accessed from the main Orbx Central interface by clicking the Control Panel button.

The Control Panel will enable you to disable or enable certain scenery features of the scenery to allow it to perform in accordance with the PC hardware you have.



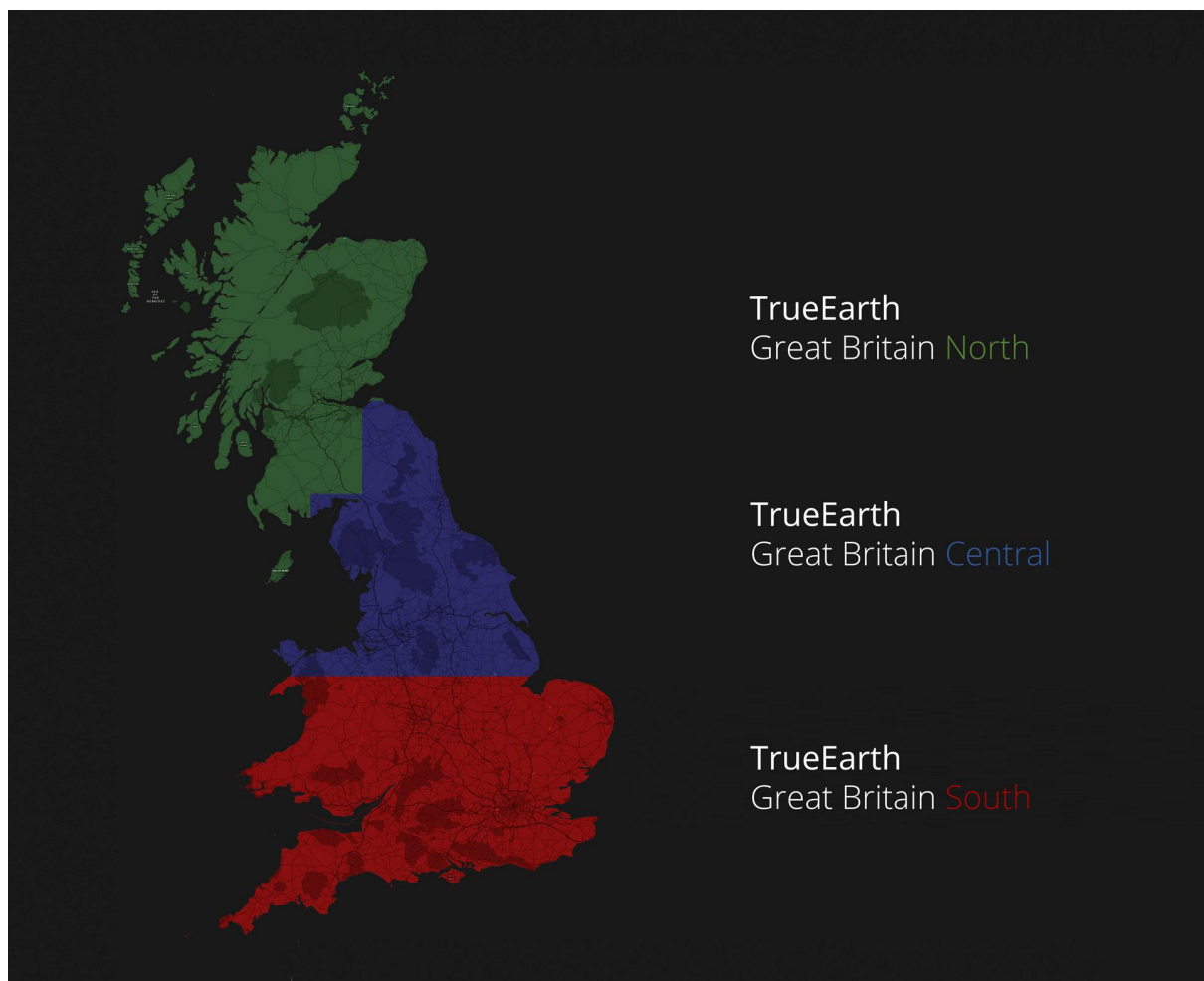
Scenery Coverage Area

The TrueEarth Great Britain regions will be split into three distinct areas; South, Central and North.

Whereas before the FTX landclass regions split across the country borders, the X-Plane version could not have been split with the same geographical boundaries. This is due to limitations of the X-Plane engine and the only correct way to distribute mesh-based sceneries for X-Plane is by using 1-degree tiles.

For this reason, we have split TE Great Britain into the three areas as you can see in the map below.

We have split TE Great Britain versions for P3Dv4 in roughly the same way to keep consistency of the product line between simulators as well as for efficiencies in the development cycles.



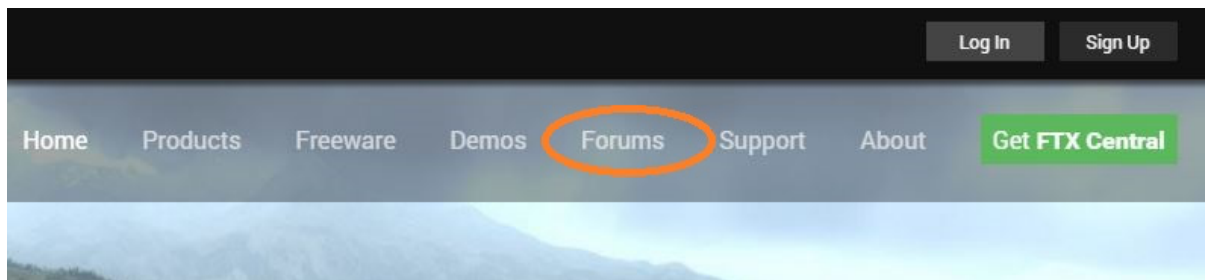
Quick Reference Simulator Settings

The table below lists in a handy reference the minimum recommended settings required in your simulator to enjoy TrueEarth Great Britain South the way Orbx designed it. These settings will run well on most PCs and take particular advantage of the custom mesh and photoreal imagery used in the scenery area.

Setting	Value	Why?
Global Texture Resolution (FSX only)	Very High	Enables maximum display quality of object textures
Level of detail radius	High (P3D)	Influences sharpness of textures with increasing distance
Use high-resolution terrain textures	ON	Enhances distance-display of photoreal ground textures
Mesh Complexity Tessellation Factor(P3D)	Ultra (P3D)	Better terrain definition (= interpolation between adjacent grid elevation points)
Mesh Resolution	5m	5m terrain mesh resolution is the slider setting that all Orbx regions and airports are designed for. Since the slider setting governs the horizontal spacing of mesh grid points this value primarily affects the steepness of slopes adjacent to flattened areas at airports or lakes and rivers. If objects are placed on or next to such slopes they can shift a bit.
Texture Resolution	7cm	Enables maximum display of aerial imagery textures
Scenery Complexity	Extremely Dense	Lower settings may be advisable if you're struggling with performance problems (low FPS) - particularly in densely populated areas."
Autogen and scenery draw distance	Medium	Higher settings may induce obvious "popping in" of autogen. Users of high end systems may benefit from the ability to set this higher to see a more realistic "3D depth" of scenery
Autogen Density (separate sliders in P3D)	Extremely Dense	Regulates the overall density of autogen buildings and vegetation (-20% with each slider notch to the left)
Dynamic 3D autogen vegetation (P3D V4+)	OFF	Highly recommended! Dynamic trees do not match the Orbx colours and may cause performance issues.
Road Vehicles traffic	15-20%	Decent road traffic density; higher settings cost performance!
Shadows Casting/Receiving: Vegetation	Off/Off	Looks great if turned on but has a serious impact on performance. Only recommended for very, very high-end systems in conjunction with high autogen settings

Product Technical Support

Orbx has a very simple support policy: no question unanswered. That means, should you have any questions about TrueEarth Great Britain South or its use, please feel free to register on the forums at orbxdirect.com and then log a support question in the Orbx Payware Support Forum section. Orbx experts will be available to review your support questions and you will usually get a reply on the forums within 12 hours, often much sooner than that.



To visit our support forums, click on the “Forums” button shown on the homepage of orbxdirect.com.

Please do NOT email support requests

Orbx provides world-class support on our forums, and it's the only way in which you can receive support for Netherlands TrueEarth. Provided you adhere to the forum terms of use and have a legitimate copy of Netherlands TrueEarth, you will always be offered our support at no cost as we work toward a resolution to your problem each time.

Use the forum search function

Before you post a question, please try searching for the answer first, using the forum's built in search function located on the forum menu bar.

What to include in your support requests

If at all possible, this is what we'd like to see provided for each request you log:

- A separate post on the Orbx support forums for each issue (don't tag new issue reports onto existing threads).
- Include your TRANSACTION ID from your TrueEarth Great Britain South purchase in your post or forum signature section.
- A screenshot to highlight what you are talking about.
- A descriptive post title which clearly states what the issue is.
- Detailed comments in your post about what you are reporting on.

The Orbx support team is always on standby to assist you with any problems you may have, or will comment on your issue reports. Please remember, our priority is fixing any urgent issues first, and addressing bug reports second. Clearly though, any “show stopper” bugs will be given top priority though.

Orbx Community Forums

Orbx already has quite a thriving and active user community on the forums, with over 90,000 members as of November 2019. To visit the forums, just point your web browser to orbxdirect.com and from the front page click the “Forums” menu item.

You don’t need a user account to view other people’s posts and information posted by Orbx staff, but if you’d like to join in on the discussion there, simply create an account. It’s instant and no validation email is required. We like to keep things simple😊.

We hope to see you there soon!

Thanks for reading!

You’ve stuck with us through all these pages of information, and we appreciate you taking the time to read the user guide. We hope it gave you some tips and insights. See you on the forums!



The TrueEarth Great Britain South Team

Developers

- **Eugene Krikunov:** Lead developer and project management
- **Sascha Normann:** GB South Version 2 developer & project manager

Additional Orbx Developers

- **Tony Wroblewski:** TE GB South X-Plane 3D modelling, orthos, autogen & mesh
- **Orbx Team:** Orbxlibs objects
- **Gaya Sim:** POIs
- **Frank Schnibben:** 3D modelling
- **Richard Bui:** 3D modelling
- **Sylvain Delepierre:** 3D modelling

Specialist Roles

- **John Venema:** Business management
- **Ed Correia:** Production management
- **Ben McClintock:** IT Manager

Beta Testing Team

Ross Casey, Darryl Wightman, John Dow, Friedi Gulder, Matt McGee, Rob Abernathy, Nick Cooper, Phil Manhart

Further Acknowledgements

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Special Thanks

Arno Gerretsen for his insanely useful FS development tools!

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For the most recent version of the EULA, see orbxdirect.com/eula.

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