

STAIRPORT SAM2



GLOBALTREES

INTRODUCTION

In addition to the latest Scenery Animation Manager and the additional SAM Seasons Library we created a stand alone tree replacement pack which can be used in combination with SAM Seasons or stand alone. SAM GlobalTrees can be controlled through the SAM plugin menu just like SAM Seasons and offers our latest vegetation works in a global scale.

The SAM GlobalTrees package is a further development of the FlyAgi Vegetation Global Trees addon already used by a wide range of flight simmers and included in the SAM Seasons Library package. Of course, the SAM Seasons Library will be updated with the latest vegetation from time to time but if you use SAM GlobalTrees you can update the SAM Seasons vegetation without the need to redownload the whole package again and again. Further, if you don't need seasons, you can use SAM GlobalTrees without installing the Seasons Library just to get our latest vegetation assets.

CONCEPT

As there are a lot of great vegetation addons available for the X-Plane simulator already it's possibly a good idea to explain the concept behind SAM GLobalTrees and why we are realeasing yet another vegetation addon. SAM GlobalTrees is basically a global forests and trees replacement package bringing our vegetation used in many sceneries to the whole world. This way we can make sure our sceneries are blending not just well but perfect with the sourrounding vegetation and there are no deviations in color or vegetation style when flying into or out from an airport scenery. Also our vegetation features some color adjustments for environments like SFD Global or Orbx TrueEarth as well as seasonal variations and all this is in sync with the SAM GlobalTrees package (and, of course, with SAM Seasons). We also offer all this to scenery designers who, if they like, can use our SAM Seasons SDK for free to include our vegetation in their projects so their sceneries can have all the features as well, blending with SAM GlobalTrees and other environments and seasons.

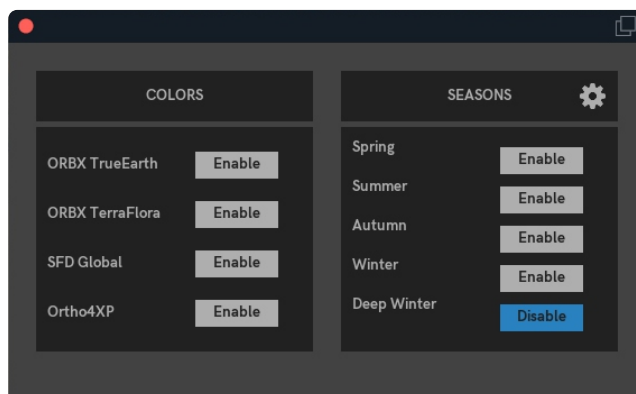
INSTALLATION

- Install the latest SAM Plugin version from your favorite source
- Copy Resources folder into your X-Plane 11 main directory

COLORS + SEASONS

To change the trees' visual appearance use the SAM colors and seasons menu: Navigate to the X-Plane menu header bar with your mouse and choose SAM > Colors + Seasons.

In the colors and seasons menu choose the desired color style or season, the active color or season is highlighted in blue. If no color or season is highlighted SAM GlobalTrees is disabled completely and you will see default X-Plane trees or those from other vegetation addons you maybe have installed.



AVAILABLE COLORS

The options Orbx TrueEarth, Orbx TerraFlora and SFD Global are intended to optimize airport sceneries to match these environments so SAM GlobalTrees is disabled if one of them is activated for not interfering with one of the products mentioned (if you want to enable more colors follow the steps in the enhanced configuration section).

Spring: Activate spring vegetation

Summer: Activate summer vegetation

Autumn: Activate autumn (fall) vegetation

Winter: Activate winter vegetation (without snow)

Deep Winter: Activate deep winter vegetation (including snow)

Ortho4XP: Optimize vegetation colors for use with Ortho4XP

ENHANCED CONFIGURATION

For technical reasons some features need additional configuration steps so there is a simple python based configurator included which can be found inside the SAM GlobalTrees root folder (usually X-Plane 11\Resources\plugins\SAM\lib\SAM_GlobalTrees). Alternatively you can do the configuration manually by following the text hints placed inside the the options folder but it's easier to do with the configurator so the manual configuration should only be used if you can't use the configurator for some reasons.

To make use of the configurator you need to install the Python runtime (this is not much different than installing Java or a VC++ runtime required by other applications) so please download and install Python if you want to use the configurator from

<https://www.python.org/downloads/>

The following options are available:

- Installing and restoring additional tree textures (needed for technical reasons to really replace all of X-Plane's trees)
- Changing forest density (useful if your graphics card can't handle the increased forest density well)
- Change the available vegetation colors (the default configuration is considered failsafe to minimize conflicts with SFD Global and Orbx TerraFlora if installed)

To run the configurator simply double click on the file 'Configurator.py' you can find in the SAM GlobalTrees root folder (this is usually X-Plane 11\Resources\plugins\SAM\lib\SAM_GlobalTrees). You may want to create a shortcut on your desktop to the configurator but don't move the file itself, it only works if it's in the right place.

CONFIGURATOR

The main menu consists of the following options:

- 1) Textures Installation
- 2) Forest Density
- 3) Vegetation Colors
- 4) Quit

To choose an option simply type the corresponding number and press enter (for example type 1 and press enter if you want to install additional textures).

TEXTURES INSTALLATION

For technical reasons some textures have to be replaced inside the simulator itself and this option will handle this for you (there is no need to install additional textures if you are also using the latest SAM Seasons Library, the textures are already included and will be overridden anyway). The configurator will create a backup of your currently installed textures automatically at first launch to restore them later if needed. There are two options:

- 1) Install additional SAM GlobalTrees textures
- 2) Restore original X-Plane textures

Type 1 to install SAM Global trees textures or type 2 to restore your previously installed textures and press enter. The configurator will install the textures of your choice and return to the main menu.

FOREST DENSITY

If you are experiencing performance issues using SAM GlobalTrees it will very likely help to revert the forest density to normal (which matches the original X-Plane forest density).

- 1) High Density (Default)
- 2) Normal Density

Choose from one of the options by typing either 1 or 2 and press enter. The configurator will change the forest density according to your choice and return to the main menu.

VEGETATION COLORS

As mentioned above SAM GlobalTrees is configured to be failsave by default to avoid conflicts with SFD Global or Orbx TerraFlora if installed but this means you can't use all the colors available. Further, the default configuration is designed to behave like the SAM Seasons Library which means the trees are only visible if you activate any season or the Ortho4xp color style in the SAM Colors + Seasons menu (which allows to disable SAM GlobalTrees from within the simulator).

There are good reasons to change this behaviour so choose the 'All Colors' option if you

- want to use SAM GlobalTrees without the SAM plugin installed (SAM GlobalTrees will then be always on and not depend on the color or season chosen in the SAM plugin)
- don't use neither Orbx TerraFlora nor SFD Global
- want to use SFD Global with SAM GlobalTrees instead of SFD Global's own vegetation

CLOSING THE CONFIGURATOR

To close the configurator choose the option 'Quit' by typing 4 and confirm with enter, then type Q and confirm again pressing enter. You can also close the configurator anytime by clicking on the X in the upper right corner of the window.