



## CA21 Limberlost Ranch

MSFS 2020 | v1.0.0

MSFS 2024 | v1.0.0

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## Limberlost Ranch



Tucked away in Northern California's Sierra Nevada foothills lies Limberlost Ranch (CA21) - a private hilltop airstrip with 1500ft (457m) of usable grass runway. With its one-way in one-way out approach to an upsloping runway, landing at Limberlost Ranch can be a fun challenge to master, especially when paired with a vintage taildragger or other short field capable aircraft.

This scenery was inspired by ORBX's Blue Canyon-Nyack Airport for FSX/P3D, which includes a lite rendition of CA21. Limberlost Ranch has now been recreated for Microsoft Flight Simulator with a high degree of accuracy and detail based on years of research and development.

# Features

- One detailed ridge-top ranch and airstrip with custom models and vegetation, using PBR materials.
- A Hangar with a parking spawn, environment-triggered lights, and an aircraft/avatar triggered hangar door.
- A custom high resolution asphalt apron near the Hangar.
- A Ranch House with a navigable interior model (designed for 2024's avatar mode).
- A pool with depth, animated water caustics, and an inflatable animated with wind direction.
- Custom animated wildlife: A Fox and Wild Boar roam the coverage area. Also, Horse.
- Environment-triggered sounds using Wwise: Fox, Horse, Hangar lights, Pool, and Fountain.
- Environment-triggered visual effects: Fountain and Chimney Smoke.
- Hand-crafted terraforming with custom 15cm/px aerial imagery.

# Installation

How you install Limberlost Ranch depends on where it was purchased from.

**⚠ Warning:** Only use the 2020 version of the scenery in MSFS 2020 and the 2024 version of the scenery in MSFS 2024. Installing/activating the wrong version will result in the scenery not working as expected and is not supported.

## Emerald Scenery Design

If purchased directly from our store, a manual installation to your Community folder is required.

After checkout, and while still logged in, visit your account's [downloads page](#) and download the appropriate version of the scenery for the simulator you are using.

Extract the .zip archive and copy the ***esd-airport-ca21-limberlost-ranch*** folder (which will contain both a layout & manifest.json) into your MSFS 2020 or MSFS 2024 Community folder.

**Note:** Some archive tools may create a child folder of the same name. Always check for this, as the scenery will not load if nested.

For more information on how to find your Community addons folder, [see this article by FSElite](#).

Limberlost Ranch should then show the next time you start the sim.

## ORBX

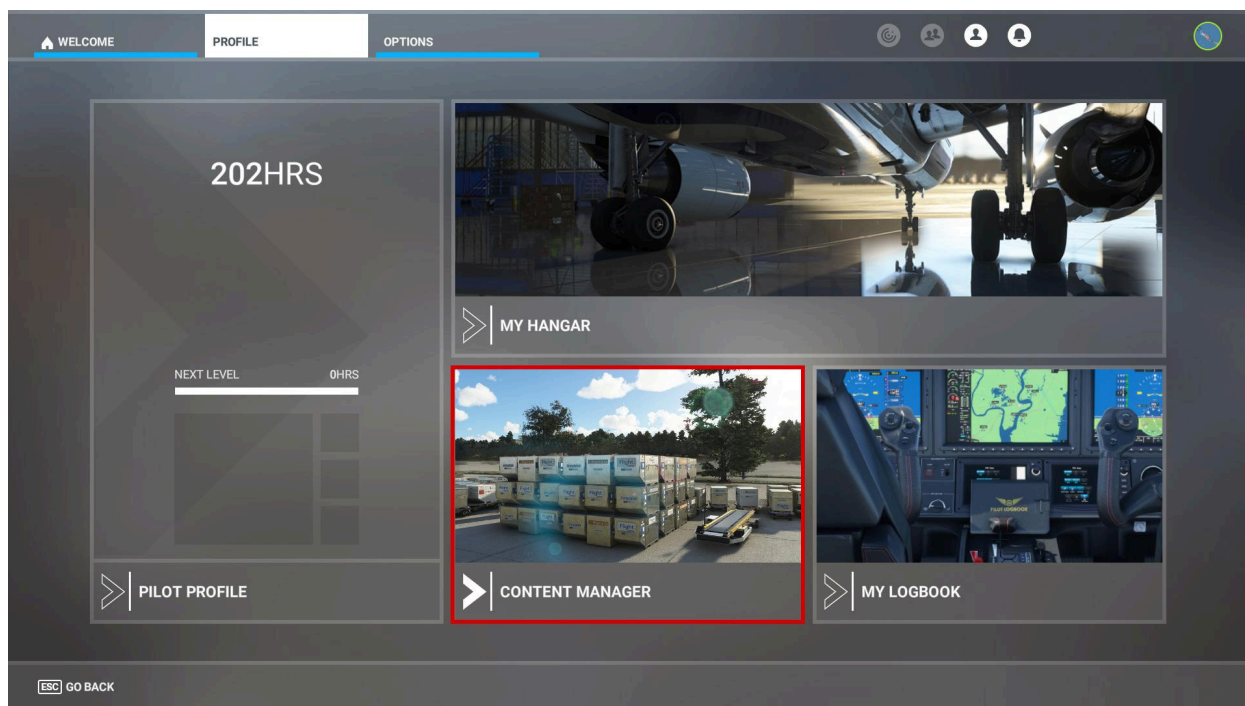
ORBX uses their own software to manage the purchase and installation of addons. More information on ORBX Central [can be found here](#).

A user guide is also provided on this page and can currently be accessed at [this link](#).

## Marketplace

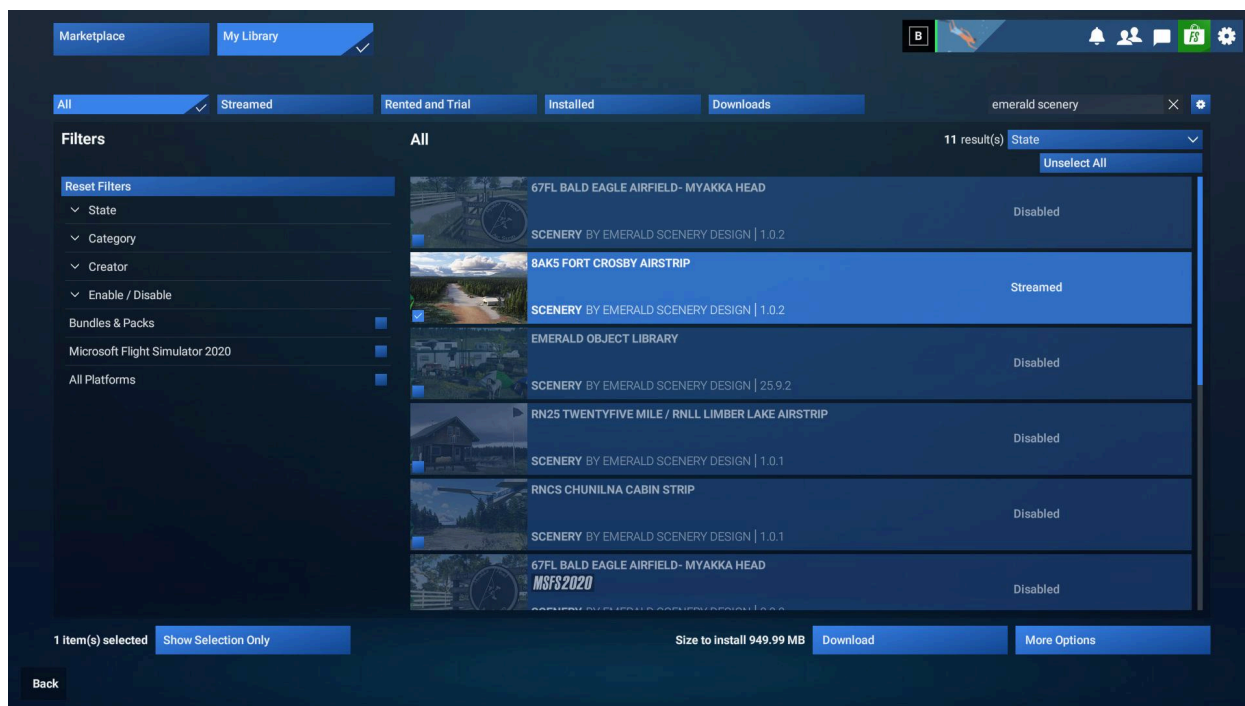
The MSFS 2020 & 2024 Marketplace both automate the installation of addons you have purchased through them.

For the **2020 Marketplace**, upon checkout you will have an option to Purchase and Install, or you can choose to install at a later date through your Profile Content Manager:



For the **2024 Marketplace**, upon checkout, your addon should activate automatically and begin streaming to your sim. You should also **check that the 2024 version of the scenery is being used**, as both the 2020 and 2024 versions of the addon will appear in *Marketplace > My Library*.

While you're at it, you can also choose to locally install the scenery if you wish.



**Warning:** For purchases made on both the 2020 and 2024 **Marketplace**, always restart Microsoft Flight Simulator before trying to use your addon. Sometimes an addon will not mount or stream correctly until this has been done.

# Required Library

**Emerald Object Library** is required for this scenery to display as intended! Not installing the library will result in most models not showing throughout the scenery.

Emerald Object Library is available to download on:

## **Marketplace (2020/2024)**

Download from the appropriate in-sim Marketplace.  
(The only supported option for console users)

## **Emerald Scenery Design**

[MSFS 2020](#) or [MSFS 2024](#)

## **Flightsim.to**

[MSFS 2020 & 2024](#)

## **ORBX**

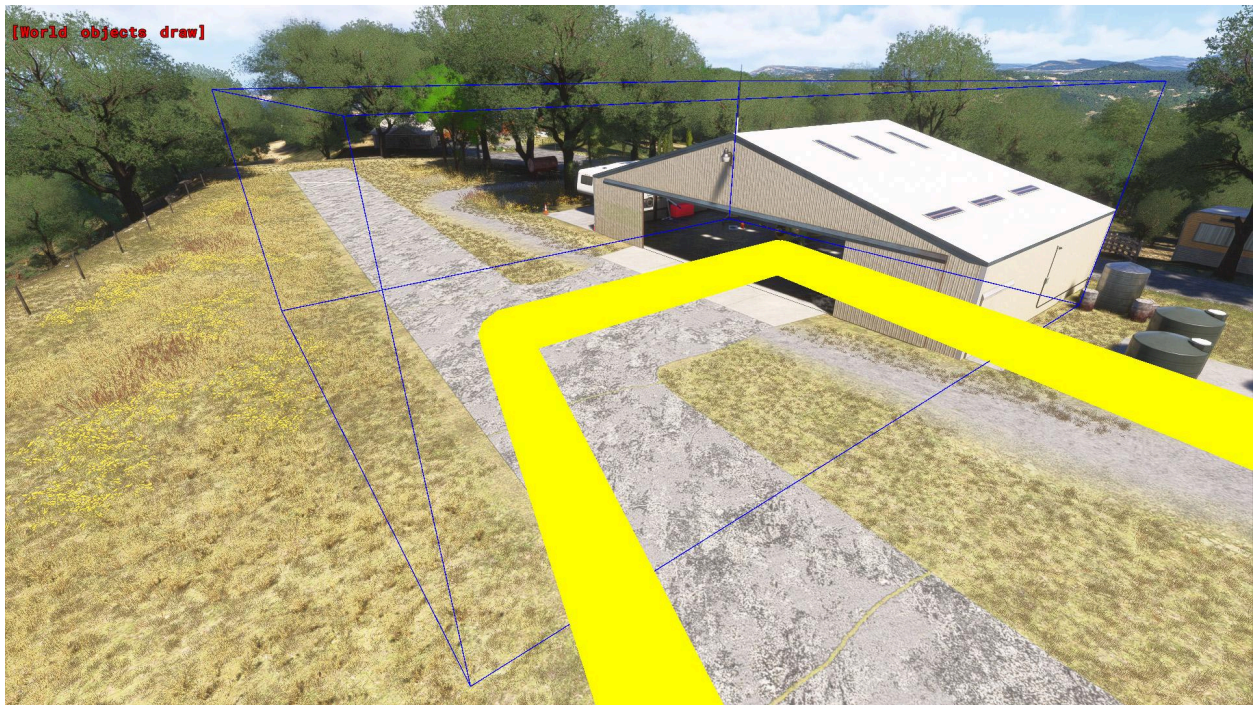
Download through ORBX Central.

[MSFS 2020](#) or [MSFS 2024](#)

# Hangar Door Trigger

Limberlost Ranch includes a Hangar with an interactive door animation.

The door will open automatically when the user aircraft or avatar (2024) is positioned inside of the blue trigger box (not visible in the simulator) and close when outside of the box.



## NOTAMs (FAQs)

### 1. Pool elevation issues upon loading:

**2020 Only** - Sometimes the sim may not calculate elevations correctly at startup. This can sometimes affect the pool water and caustics, causing them to sink. I have not found a way to mitigate this bug.

### 2. Do I get a copy of the scenery for 2020 and 2024?

Yes, on the platform you purchased it on. If you have not been credited a copy on Marketplace, submit a support request [at this link](#).

# Support

Having issues? Check out our [support page](#) for additional troubleshooting, Discord link, and a handy contact form where you can talk to a real person.

## Useful Links

### Our Website

[emeraldscenerydesign.com](https://emeraldscenerydesign.com)

### Discord

[discord.gg/uW4tsj8p3k](https://discord.gg/uW4tsj8p3k)

### Facebook

[facebook.com/EmeraldSceneryDesign](https://facebook.com/EmeraldSceneryDesign)

### Emerald Object Library (Requirement)

*Also available on the MSFS Marketplace.*

[MSFS 2020](#) or [MSFS 2024](#) or [flightsim.to](https://flightsim.to)

# Credits

A huge thank you to everyone who helped shape this project!

## Dev Team

### Rotornut44

Modeling • Animations • Code • Wwise • VFX

### Mykrode

Modeling • Textures (Minor)

## Beta Testers

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# EULA

THIS END USER LICENSE AGREEMENT (the "Agreement") dated this 11th day of June, 2026 (the "Execution Date")

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17. This Agreement will be terminated and the License forfeited where the Licensee has failed to comply with any of the terms of this Agreement or is in breach of this Agreement. On termination of this Agreement for any reason, the Licensee will promptly destroy the Software.

**Force Majeure**

18. The Vendor will be free of liability to the Licensee where the Vendor is prevented from executing its obligations under this Agreement in whole or in part due to Force Majeure, such as earthquake, typhoon, flood, fire, and war or any other unforeseen and uncontrollable event where the Vendor has taken any and all appropriate action to mitigate such an event.

**Governing Law**

19. The Parties to this Agreement submit to the jurisdiction of the courts of the State of Florida for the enforcement of this Agreement or any arbitration award or decision arising from this Agreement. This Agreement will be enforced or construed according to the laws of the State of Florida.

**Miscellaneous**

20. This Agreement can only be modified in writing signed by both the Vendor and the Licensee.
21. This Agreement does not create or imply any relationship in agency or partnership between the Vendor and the Licensee.
22. Headings are inserted for the convenience of the parties only and are not to be considered when interpreting this Agreement. Words in the singular mean and include the plural and vice versa. Words in the

masculine gender include the feminine gender and vice versa. Words in the neuter gender include the masculine gender and the feminine gender and vice versa.

23. If any term, covenant, condition or provision of this Agreement is held by a court of competent jurisdiction to be invalid, void or unenforceable, it is the parties' intent that such provision be reduced in scope by the court only to the extent deemed necessary by that court to render the provision reasonable and enforceable and the remainder of the provisions of this Agreement will in no way be affected, impaired or invalidated as a result.
24. This Agreement contains the entire agreement between the parties. All understandings have been included in this Agreement. Representations which may have been made by any party to this Agreement may in some way be inconsistent with this final written Agreement. All such statements are declared to be of no value in this Agreement. Only the written terms of this Agreement will bind the parties.
25. This Agreement and the terms and conditions contained in this Agreement apply to and are binding upon the Vendor's successors and assigns.