





L05 Kern Valley Airport 

L05

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USER GUIDE JULY 2017



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Thank you!

Orbx would like to thank you for purchasing **FTX L05 Kern Valley Airport** for Southern California.

This airport, the second creation by Jordan Gough, is in the stunning Lake Isabella area, approximately 35 nautical miles North-East of Bakersfield, CA. The airport is a small, single 3500ft runway general aviation airfield with camping facilities, a café and maintenance facilities.

A gateway to the Sierra Nevada Mountains, Kern Valley is in the perfect location to make a stop on your journey north from the Los Angeles Basin, and is also just a stone's throw away from ORBX's other airfields designed for FTX NA Southern California.

A high elevation airport (2620ft AMSL), and in the desert, a flyer needs to make careful performance calculations before take-off as the density height may reach up to 8000ft on a sweltering day!



Product requirements

This scenery airport addon is designed to work in the following simulators: **Microsoft Flight Simulator X, Lockheed Martin Prepar3D v1, Lockheed Martin Prepar3D v2, Lockheed Martin Prepar3D v3.**

Orbx FTX Southern California is also required for full functionality.

What will you miss out on if you don't have Orbx FTX Southern California installed?

- Blending of the airport photoreal into the surrounding terrain
- Moving traffic on roads, properly aligned to the photoreal ground terrain
- Enhanced FTX Global 3D lighting system with improved FPS in urban/township streets around the airport
- Orbx's modified houses and trees which match North American houses and trees

Please visit <https://www.orbxdirect.com/product/sca> to purchase your copy of FTX Southern California if you haven't already done so.

Quick Installation Guide

Installing Orbx FTX L05 is all managed by our FTX Central application. This app is responsible for many aspects in maintaining your Orbx installation. Please visit the support forums to learn more.

Once you have added L05 it will be added to your account and you can have FTX Central download and install it for you. The appropriate scenery library entries will also be managed by FTX Central. You may also manually download L05 and then have FTX Central manage the installation for you once downloaded.

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

Please note that the above all refers to FTX Central 3. Earlier versions of FTX Central are no longer supported but will still function as before. The integration of FTX Central with your OrbxDirect account is only available with FTX Central version 3 and above.

Scenery Coverage Area

Kern Valley Airport's coverage is approximately 250 square kilometres. It extends from the south side of Lake Isabella, North past Kernville and approximately 8 nautical miles to the east of the lake. Coverage around the airport is crisp 30cm imagery with stunning 80cm photoreal imagery covering the remainder of the area.



Airport Information and Charts

FAA INFORMATION EFFECTIVE 22 JUNE 2017

Location

FAA Identifier: L05
 Lat/Long: 35-43-41.6000N / 118-25-11.0000W
 35-43.693333N / 118-25.183333W
 35.7282222 / -118.4197222
 (estimated)
 Elevation: 2614 ft. / 796.7 m (surveyed)
 Variation: 14E (1985)
 From city: 3 miles S of KERNVILLE, CA
 Time zone: UTC -7 (UTC -8 during Standard Time)
 Zip code: 93238

Airport Operations

Airport use: Open to the public
 Activation date: 07/1949
 Control tower: no
 ARTCC: LOS ANGELES CENTER
 FSS: RANCHO MURIETA FLIGHT SERVICE STATION
 NOTAMs facility: RIU (NOTAM-D service available)
 Attendance: DAYLIGHT HOURS
 Pattern altitude: 3614 ft. MSL
 Wind indicator: yes
 Segmented circle: yes

Additional Remarks

- NO NIGHT OPERATIONS.
- FLY-IN CAMPGROUND ON ARPT.

Runway Information

Runway 17/35

Dimensions: 3500 x 50 ft. / 1067 x 15 m
 Surface: asphalt, in good condition
 Weight bearing capacity: Single wheel: GROSS RWY PAVEMENT STRENGTH ESTIMATE PROVIDED BY ARPT MANAGER; 12500 LBS.
RUNWAY 17
 Latitude: 35-43.980500N
 Longitude: 118-25.154333W
 Gradient: 0.2%
 Traffic pattern: right
 Markings: basic, in good condition
 Runway end identifier lights: no
 Obstructions: 10 ft. trees, 375 ft. from runway, 100 ft. right of centerline, 17:1 slope to clear

RUNWAY 35

35-43.405333N
 118-25.211000W
 0.2%
 left
 basic, in good condition
 no
 none
 RWY 35 +1 FT ROCKS 0-90 FT FM EOR 50 FT L TO 80 FT R PRVDG WASHOUT PROTECTION FM LAKE; +5 FT BRUSH 180-200 FT FM EOR 0 FT L.

Source: AirNav.com

The L05 Control Panel

The L05 Control Panel can be accessed from the main FTX Central interface by clicking the Configure button.

The Control Panel will enable you to disable or enable certain scenery features of the airport to allow it to perform in accordance with the PC hardware you have. By default, all scenery options are enabled by the installer. If you have a high end PC, enable all the CP options. For low to mid-range PCs it is recommended to try disabling some settings.

Quick Reference Simulator Settings

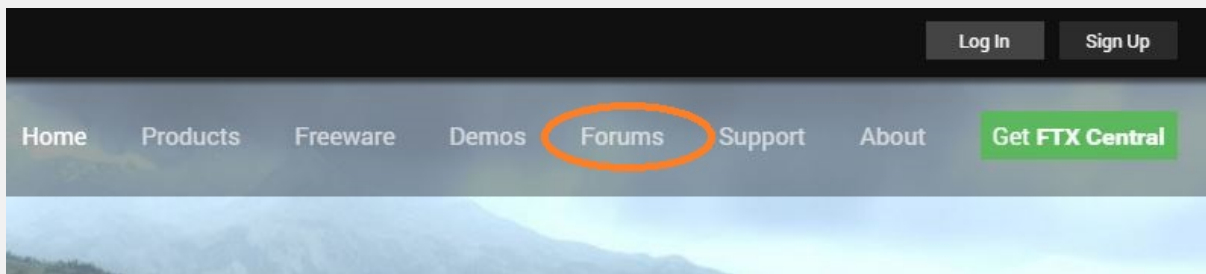
The table below lists in a handy reference the minimum recommended settings required in your simulator to enjoy L05 the way Orbx designed it. These settings will run well on most PCs and take particular advantage of the custom mesh and photoreal imagery used in the scenery area.

If you use the settings below you will be guaranteed the highest fidelity experience and the best balanced performance.

Setting	Value	Why?
Level of detail radius	Large	Reduces blurring of textures.
Global texture resolution	Max	Displays photoreal textures best.
Mesh complexity	100	Better terrain definition.
Mesh resolution	5m	5 m is required for L05.
Texture resolution	7 cm	Sharpest roads and freeways.
Scenery complexity	Extremely Dense	How Orbx designed FTX L05.
Autogen density	Normal	Best FPS vs detail.
AI traffic	0-50%	Recommended for this scenery.
Road vehicle traffic	16%	No need to set higher for FTX.

Product Technical Support

Orbx has a very simple support policy: no question unanswered. That means, should you have any questions about L05 or its use, please feel free to register on the forums at fullterrain.com and then log a support question in the FTX Payware Support Forum section. Orbx FTX 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 fullterrain.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 L05. Provided you adhere to the forum terms of use and have a legitimate copy of L05, 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 FTX support forums for each issue (don’t tag new issue reports onto existing threads).
- Include your ORDER NUMBER from your L05 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.

FTX Community Forums

FTX already has quite a thriving and active user community on the forums, with over 71,000 members as of June 2017. To visit the forums, just point your web browser to fullterrain.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 FTX L05 Team

Lead Developer

- **Jordan Gough**

Additional Orbx Developers

- **Orbx Team:** Orbxlibs objects
- **Misha Cajic** – Ground Poly

Specialist Roles

- **John Venema:** Business Management
- **Ben McClintock:** FTX Central and website
- **Ed Correia:** Production Management

Beta Testing Team

Friedi Gulder, Rob Abernathy, Nick Cooper, John Dow, Voyager



End User License Agreement (EULA)

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

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