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LOWI

Innsbruck Airport

for IPACS Aerofly FS2

USER GUIDE JUNE 2017

Contents

Thank you!

Orbx would like to thank you for purchasing **FTX LOWI Innsbruck for Aerofly FS2.**

A destination that needs no introduction, **Innsbruck** is one of the iconic airports of the world, with a jaw-dropping backdrop, heart-stopping approaches, and a location smack dab in the heart of Europe, only a short flight away to major German, Swiss, Italian and Austrian mega-hubs. Marking his first foray into European designations, developer **Jarrad Marshall's** fourteenth airport is by far his most ambitious project yet. In addition to the airport, an exhaustive coverage area is included (the largest PR area of any ORBX airport to date), many helicopter landing areas, and over 160 detailed landmarks and points of interest. Far beyond the city, explore the peaks of Karwendel, Stubai and Tux Alps, the picturesque Inn, Wipp and Stubai Valleys, a portion of the historic Brenner Pass and even Germany's tallest mountain, Zugspitze. Over a dozen towns and villages dot the Tyrolian landscape, each carefully reproduced with colour-blended scenery and highly-detailed autogen. Keep an eye out for visual cues useful to pilots of all stripes; animated trains, prominent structures (including notable church spires along the flightpath), custom-modelled bridges, hazardous power lines and notable buildings are all lovingly recreated.

Innsbruck is the largest city in Western Austria; located in the heart of the intersection of the Inn and Wipp valleys, the city is unofficially known as the **Capital of the Alps**. A major winter sports destination, the city has hosted several Winter Olympics; evidence of which can be found dotted around the city in the form of stadiums, ski facilities and institutions. Aside from this, Innsbruck is a major university city; campuses are located across the metro area, including notable locations adjacent to the airport, and of course, the famous University Hospital Heliport (LOIU). Be sure to also keep an eye out for the distinctive Tyrolean architecture to both churches and major landmarks alike.

Innsbruck International Airport itself is Austria's third largest, with major carriers from across Europe serving the popular tourist destination. A true multi-use airport in every sense, Innsbruck caters for aircraft from gliders and helicopters through to Boeing 767's (we won't count the one-off appearance of an A330!). In addition to the busy international terminal, a vibrant general aviation terminal (currently undergoing redevelopment) and heavy maintenance facilities, Innsbruck is home several gliding clubs and flying schools. The adjacent heliport - Innsbruck Air Rescue (LOJO) - is a major base for both Rescue and Federal Police services, both utilising EC135 aircraft. Almost all virtual pilots will be aware of the unusual departure and approach procedures for the airport - one of the very best APX designers in the business has come on board to ensure this is replicated as close to the real world as possible. Lighting, navaids, hazard lighting - it's all included and closely matched to real-world specifications.

ORBX have endeavoured to capture the atmosphere and palette of the beautiful Tyrol region, whilst also spending a huge amount of effort on the "small details". Even so, a huge effort has gone into optimising this scenery in anticipation of you flying your favourite resource-heavy airliner - the scenery has been extensively tested under hundreds of system/aircraft/scenery combinations. Whether you are a by-the-book airline captain, bizjet guru, helicopter rescue pilot, casual general aviation flyer or even slow-and-silent glider pilot, ORBX FTX Innsbruck will be the scenery for your all your simming adventures. A great deal of love, passion and effort has gone into this project; we genuinely hope you enjoy this scenery as much as we enjoyed making it!

Product requirements

This scenery airport addon is designed to work only in the following simulator: **IPACS Aerofly FS2**

NOTE: This version is not compatible with Microsoft Flight Simulator X or Lockheed Martin Prepar3D versions 1.X, 2.X, 3.X or 4.X.

Customers that have one version of LOWI will be entitled to a discount for the other version (e.g. if you have the FSX version you will get a discount for the AFS2 version and vice versa).

https://orbxdirect.com/product/lowi

https://orbxdirect.com/product/lowi/afs2

No other Orbx products are required to use FTX LOWI for AFS2.

Quick Installation Guide

Installing Orbx FTX LOWI 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 LOWI for Aerofly FS2 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 LOWI 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.

An Important Note for FSX/P3D Users

Aerofly FS2 is an entirely new simulator engine for ORBX products; as such there are both many features and a few limitations in comparison to your FSX/P3D ORBX sceneries. It is important to bear in mind that as of the date of this publication (June 2017), AFS2 is in early-release mode; essentially this means that the IPACS team are working incredibly hard to implement new features and content for us to work with. For FSX/P3D users of LOWI, please find a comparison list below of features and content you can expect to find in your AFS2 rendition of the airport.

Included Features – LOWI for Aerofly FS2:

- Amazing 120-240fps performance
- Sloped runway: airport conforms to accurate real-world elevation data
- VR-ready out of the box; no additional programs required
- Beautiful new HD generic buildings and vegetation for entire coverage area
- Entire Airport in beautiful HD textures and detail
- Immersive ORBX grass, flower and vegetation detailing
- Full summer texture set
- AFS2-exclusive HD apron and runway ground textures with full spec/bump mapping
- Animated trains (2x)
- Animated airside GSE – more detailed and numerous than included with FSX/P3D
- City Hospital and Rescue Base heliports
- ORBX-style night lighting for entire coverage area
- Animated and static Peopleflow models
- Beautiful custom GSE, static aircraft, non-airside vehicles and other clutter in full HD
- Most city and non-city landmarks replicated
- All custom powerlines and bridges
- Some parking spots and runway start locations
- High-resolution 10m DEM mesh & 1m/60cm/30cm ground textures
- Most airport night textures & generic runway edge/approach/PAPI lighting

Features Not Yet Implemented – LOWI for Aerofly FS2:

- Seasonal variation
- Ground night splashes – both apron & cityscape (note all other night lighting is present)
- Animated generic vehicles in highways
- ATC & AI
- Some animated train routes to the east of the airport
- Several second-tier landmarks
- The three outlier heliports (Hat Tux, Fire Rescue Base & Unnamed Helipad)
- Custom-placed runway edge and taxiway lights

These features will gradually be added to LOWI as IPACS introduce new content to the base sim.

Scenery Coverage Area

INNS' BRUCK COVERAGE MAP
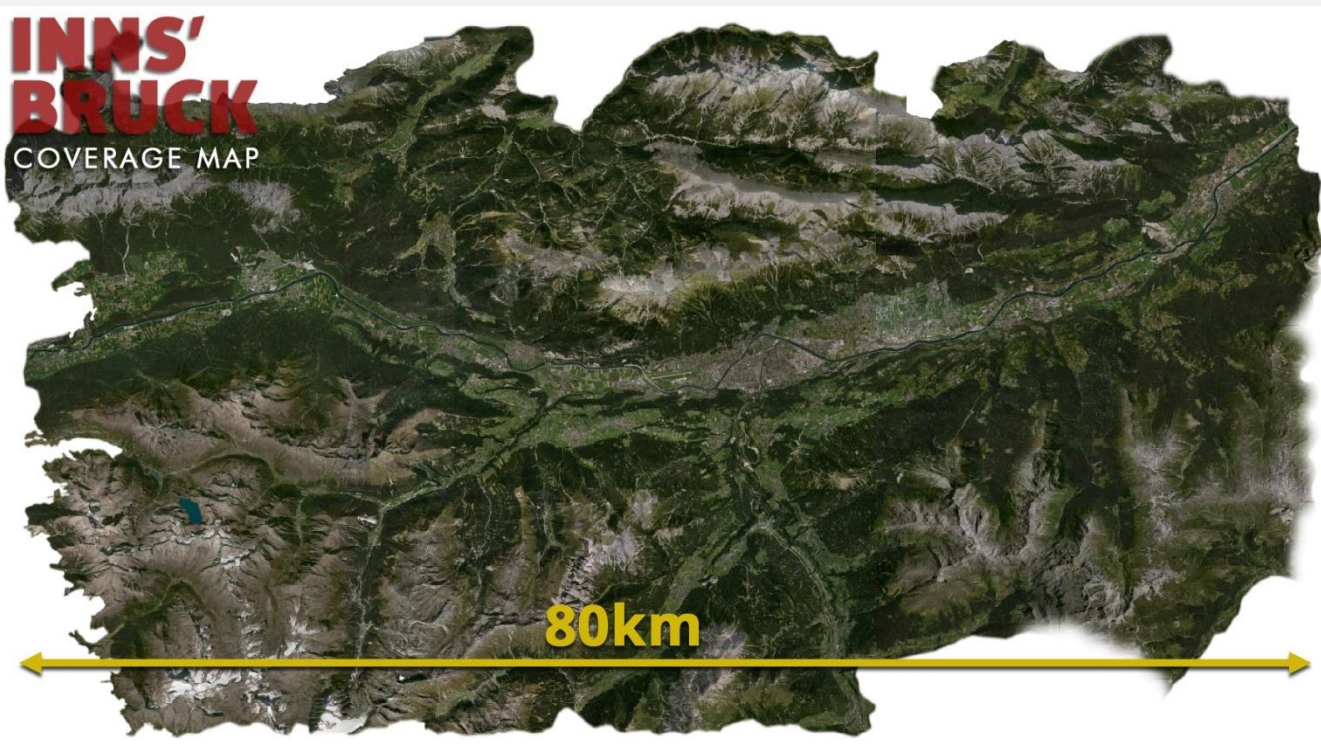
- 1m coverage
- 60cm coverage
- 30cm coverage

ZUGSPITZE
9,717ft

LALIDERERSPITZE
8,490ft

KLEINER SOLSTEIN
8,652ft

INNSBRUCK HOSPITAL HELIPORT
LOIU

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INNS' BRUCK COVERAGE MAP

80km

Scenery Coverage Area (cont.)

Innsbruck includes a **massive 2500km2** of photoreal coverage area in crisp 1m/60cm/30cm resolution - our largest coverage to date! For customers who also own the IPACS Swizterland DLC, please see the proximity map below for reference. Note that the small area between the two HD scenery areas is covered by the global AFS2 PR base – perfectly suitable for transition flying at medium to high altitudes.

Additional Product Info and Features

SCENERY FEATURES:

1. **Ultra-detailed rendition of Innsbruck Airport**
2. **Enormous coverage area at 1m/60cm/30cm** - see Coverage Area section for details
3. **Custom GSE** Exclusive to Innsbruck
4. **All-new Static Aircraft** - All types/skins unique to Innsbruck!
5. **Advanced Rendering and Ambient Occlusion** for maximum realism in all sims.
6. **Over 160+ Landmarks and POI** in coverage area, including detailed CityScape.
7. **All-new generic buildings and vegetation** highly optimised and created specifically for AF FS2
8. **Immersive 3D grass and flowers** populates the airside areas.
9. **Beautiful city night lighting** – thousands of single-point lights dot freeways, roads and parks.
10. **Animated Peoplflow and airside vehicles** – favourite ORBX tech imported to Aerofly FS2!
11. **Animated ICE trains**
12. Airport model based on exhaustive **on-site photography** by Fabian Klamm, Maximillian Gruber and Fabian Stuefer
13. **Advanced night-lighting techniques** for best immersion during after-hours ops.
14. **Highly-detailed ground poly** including immersive specular maps unique to AF FS2
15. **Heavily optimised for good performance** with advanced aircraft products across all platforms

NOTABLE FEATURES, POI & LANDMARKS

- Most major buildings in Innsbruck City Centre including University campus, hospitals, churches and hotels.
- 2x animated trains west of the airport.
- Both major train stations modelled - Innsbruck Central and Innsbruck Westbahnhof, including brand-new Adlers Hotel
- Olympic Park, Tirol Football Stadium and Ramada Olympic Park hotel
- Bergisel Olympic Ski Jump
- Innsbruck University Technical campus (massive complex next door to airport)
- Europa Bridge (one of the tallest in Europe)
- Many major churches including Basilika Wilten, Stift Wilten and others
- Most notable apartment towers
- Important aircraft navigation references and reporting points, including the Church at Axams
- 20+ custom modelled bridges, elevated freeways and overpasses
- Outlet shopping centre
- Standschützen Military Base
- Large sections of detailed powerlines with visible cables
- Zugspitze - the tallest mountain in Germany
- Many other apartments, schools, shopping centres and industrial complexes - over 160+ custom POI in total.

Airport Information and Charts

For copyright reasons, we are not yet able to publish charts for Innsbruck airport. In the mean time, please find all required aerodrome charts, additional airport information, and approach/departure plates from the following links, care of Austro Control:

Innsbruck Airport Aerodrome Chart:
https://eaip.austrocontrol.at/lo/170427/Charts/LOWI/LO_AD_2_LOWI_24-1-1_en.pdf

Innsbruck Airport Supplemental Aerodrome Information:
https://eaip.austrocontrol.at/lo/170427/PART_3/AD_2/PRI/AD_2_LOWI/LO_AD_2_LOWI_en.pdf

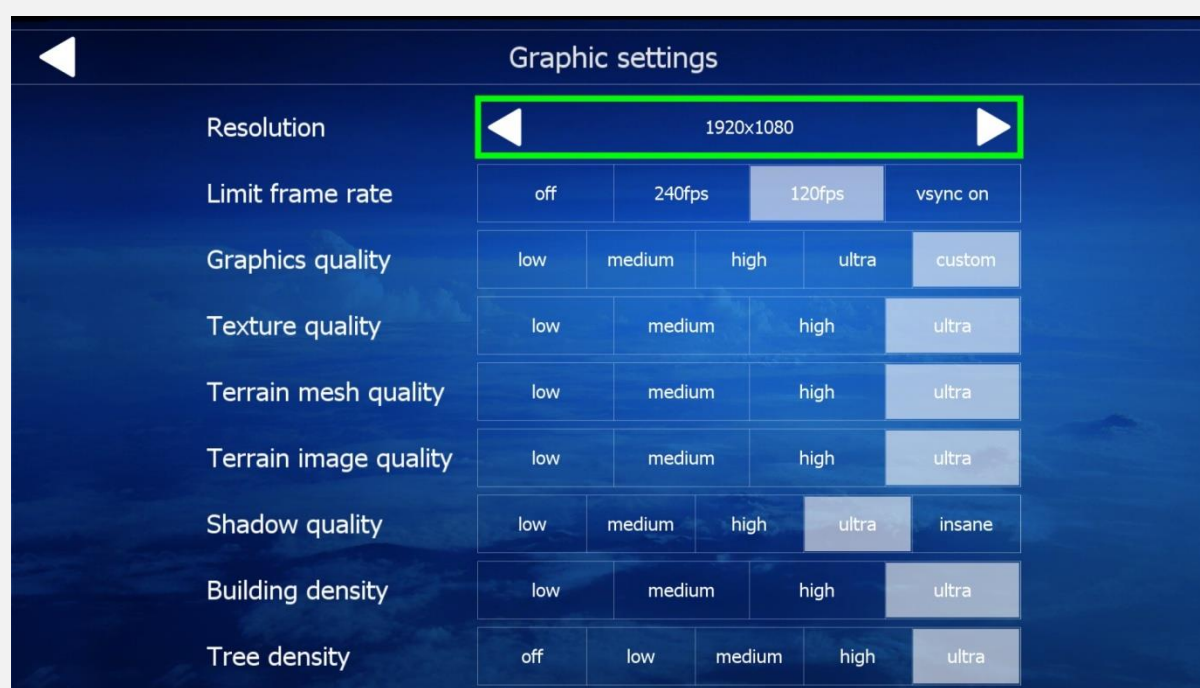**All LOWI approach, departure and obstacle (minimum heights) charts:**
https://eaip.austrocontrol.at/lo/170427/ad_2_lowi.htm

Note: All links to online pdfs and websites require internet access to view.
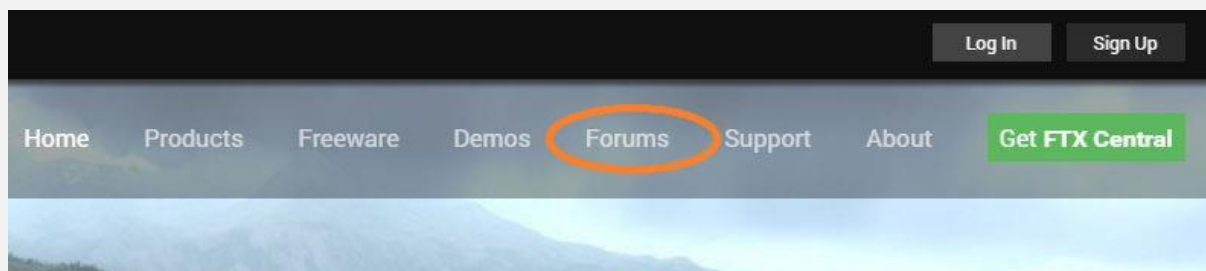
Quick Reference Simulator Settings

Aerofly FS2 is an extremely efficient simulation engine, and as such you can expect high performance at Innsbruck with even mid-range systems. If you use the settings below you can be assured of the highest fidelity experience and the best balanced performance.

Nb. Users with GTX1080 and higher GPUs should use **Shadow quality = insane**

Product Technical Support

Orbx has a very simple support policy: no question unanswered. That means, should you have any questions about LOWI or its use, please feel free to register on the forums at orbxdirect.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 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 LOWI. Provided you adhere to the forum terms of use and have a legitimate copy of LOWI, 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 TRANSACTION ID from your LOWI 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 63,000 members as of September 2016. 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!

Jarrad Marshall

Lead Developer

The FTX LOWI Team

Lead Developer

- **Jarrad Marshall**

The IPACS Team

- **Dr. Torsten Hans**
- **Dr. Marc Borchers**
- **Dietmar Schaible**
- **Michael Hochgräf**
- **Stefan Schönberger**

For their generous technical assistance and patience

And with additional assistance from

- **Fabian Klamm, Maximilian Gruber & Fabian Stuefer**: on-site photography & expertise
- **Wolfgang Kopp:** Airport assistance & local expertise
- **Holger Sandmann:** DEM assistance
- **The ORBX Team:** Library objects

Specialist Roles

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

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

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