



EGCK

# Caernarfon Airport, Wales

for X-Plane 11

USER GUIDE MARCH 2020



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# Introduction

Croeso i Gymru (Welcome to Wales). Orbx would like to thank you for purchasing **Orbx EGCK Caernarfon Airport for X-Plane 11**.

Caernarfon Airport EGCK (Maes Awyr Caernarfon) is a fantastic airport located right in the heart of Snowdonia, which is one of the most scenic and popular tourist areas in the UK.

It's a popular general aviation airport and search and rescue base located just 7.4km southwest from the town of Caernarfon with its historic castle and town centre. Serving as a base for the Welsh Search and Rescue and air ambulance, it is also host to several flying schools and offers tourists scenic flights over Snowdonia national park and beyond. Being just a short flight from the major city urban areas around Liverpool and Manchester, the airfield offers a great escape into the Welsh mountains and beyond and fits perfectly into TrueEarth GB central. The airfield features two large wind turbines next to runway 02/20 which also makes for an interesting and unique approach.

Created by renowned developer Tony Wroblewski (EGCB, L52, ENOV, ENHA), the entire airfield has been modelled in superb detail from extensive real-world photography and many field visits offering unmatched realism and accuracy. The airport and all the recent extensions and new buildings from summer 2019 have been included ensuring that the airport is as close as possible to the real airport and will remain so for many years to come.



### Features at a glance:

- Ultra high definition 2cm/px hand-painted ground textures for the immediate airport area.
- High definition, hand crafted 30cm/px imagery for the surrounding area.
- Accurately and superbly modelled buildings based on real-world mapping and LiDAR data.
- Detailed 3D fencing, signage and equipment modelled from real-world photographs
- High definition hand-crafted PBR materials for the airport buildings which react perfectly to the lighting conditions.
- Accurate static aircraft, helicopters and ground based vehicles
- Historic RAF Llandwrog buildings fully modelled and ready to be explored.
- Surrounding POIs, e.g. Morfa Holiday Park and farmland buildings have been modelled and included.
- Optimized for best performance and blended seamlessly with Orbx GB TrueEarth Central
- Animated and functional signal square, anemometer and windsock.
- Created by developer Tony Wroblewski

There is much to see at this airfield, including the air museum and historic RAF Llandwrog buildings and POIs.



# Product requirements

This scenery airport addon is designed to work in the following simulator: **X-Plane 11**.



**NOTE: This version is not compatible with Microsoft Flight Simulator X or Lockheed Martin Prepar3D versions 1 to 4 or Aerofly FS2.**

*Although not required, EGCK is designed to work with Orbx TrueEarth GB Central. Without this region, users may experience blending or mesh conflicts.*

## Quick Installation Guide

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

Once you have purchased EGCK 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.

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

# RAF Llandwrog



RAF Llandwrog was opened in 1941 with the No.9 Air Gunnery school. The school was equipped with both Armstrong Whitworth Whitley bombers and Avro Anson training aircraft.

The school was disbanded in June 1942 and the No. 9 Advanced Flying Unit (AFU) based at RAF Penrhos began using Llandwrog as a satellite for its night-flying training and eventually moved their headquarters there. The AFU was disbanded on the 14th June 1945. Several types of aircraft were originally based at the airport, including Avro Ansons, Bristol Blenheims and Westland Lysanders (some of which can be seen in the on-site museum).

In 1942, the RAF Llandwrog Mountain Rescue Section was formed on a local, volunteer basis due to increasing accidents in the North Wales mountains.

Post-war, as well as being a base for RAF mountain rescue, Llandwrog became a part of the Operations Dismal and Sandcastle. Dealing with the capture and storage of many thousands of German bombs that contained a lethal nerve agent at the airfield. These bombs were eventually dumped into the Atlantic Ocean.

Once the bomb cleanup task had been completed, the airfield became inactive on the 12th November 1956. The airfield was repurposed into a civilian airfield for light aircraft use, and rebranded in 1976 as Caernarfon airport. Since 1976 the airport was developed further and is now a base for Bristow SAR, who in 2015 started Search and Rescue helicopter operations.

There are many relics of the past throughout this airport which can clearly be seen and offer an atmospheric trip into the past. These include the old runways and disused buildings littered around the airfield. The real museum is very much worth a visit for those interested in the past of the airfield.

# Airport Operations

## **For simulation use only**

The airport features two main runways 07/25 and 02/20. Caernarfon ATZ is situated in a circle 2NM around the airfield and has an upper limit of 2000FT. Caernarfon radio can be contacted on 122.255 MHz and is generally active 09:00-16:45. The search and rescue coastguard service uses the same frequency 24hrs a day under the call-sign COASTGUARD 936.

## **Arrival and departures**

Runways 07 and 20 use a left-hand circuit and runways 02 and 25 use a right-hand circuit and are flown at 800ft AAL. Due to high ground and pylons left of Runway 25 centre-line, at range approximately 4 nm, pilots are to ensure the aircraft is established on runway centre-line before commencing descent on the APAPIs.

Aircraft arriving at EGCK should contact Valley ATC on 125.225 at least 15 minutes before leaving the ATZ boundary.

Aircraft departing EGCK should contact Valley ATC on 125.225 immediately after take-off.

The S92 SAR helicopters based at the airport can produce a large rotor downwash effect and light aircraft should be aware of this when departing or arriving due to unstable air.

There is significant high terrain rising within 6NM of the airport rising to 3560ft.

## **Runway 02/20 important information.**

Runway 02/20 has two large wind turbines situated just 30 metres from the runway edge and has certain restrictions for use:

- 02/20 is unlicensed and is made available only at the sole discretion of the airport manager.
- Pilots must obtain prior permission and briefing by telephone before use of the runway is permitted
- Pilots are to be familiar with the all procedures as published.
- If the surface wind is within the following directions 021 to 199 then the runway cannot be used regardless of wind strength
- Traffic using 07/25 has priority at all times
- Aircraft requiring use of a licensed runway must use 07/25
- The signal square will never show 02/20 as the active runway

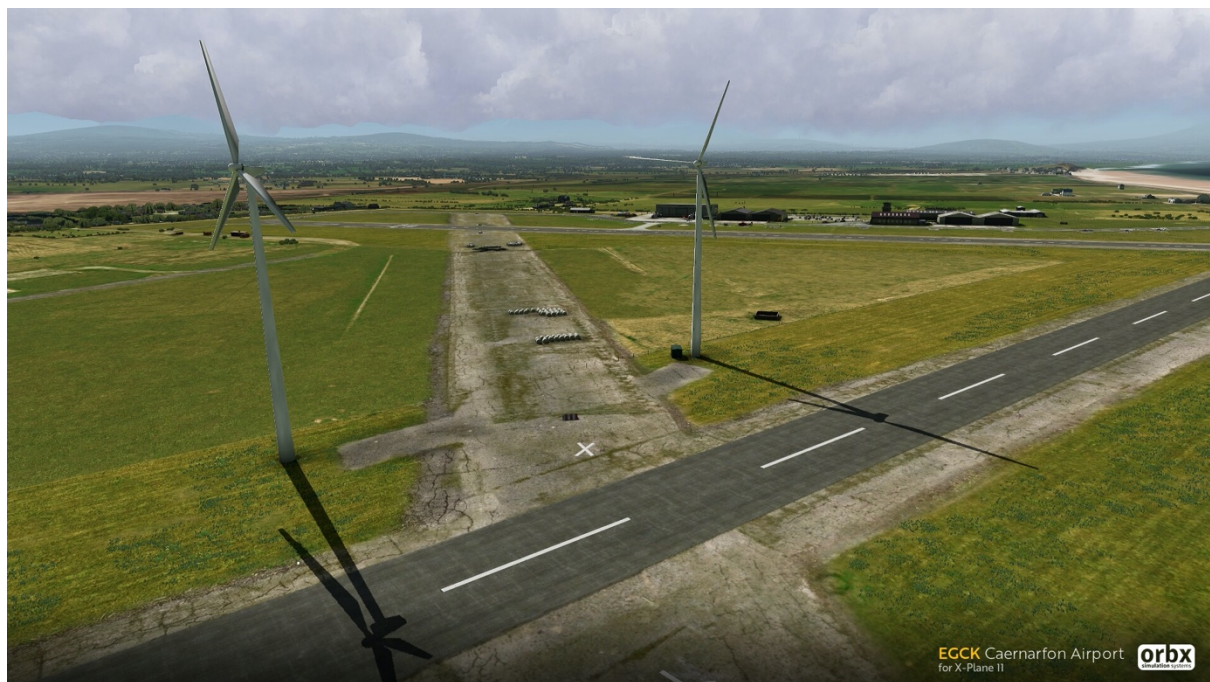
Pilots without prior permission will not be able to use the runway except in an emergency and genuine cases such as diversions because of bad weather.



## Runway 07/25

Runway 07/25 is the only licensed runway at the airport and is actively used. It measures 932x23 metres and the approach path for 25 is over a holiday park. Runway 07 has a 97 metre displaced threshold to allow vehicles on the nearby road, and runway 25 has a 173 metre threshold to give clearance over the trees and telephone cables.

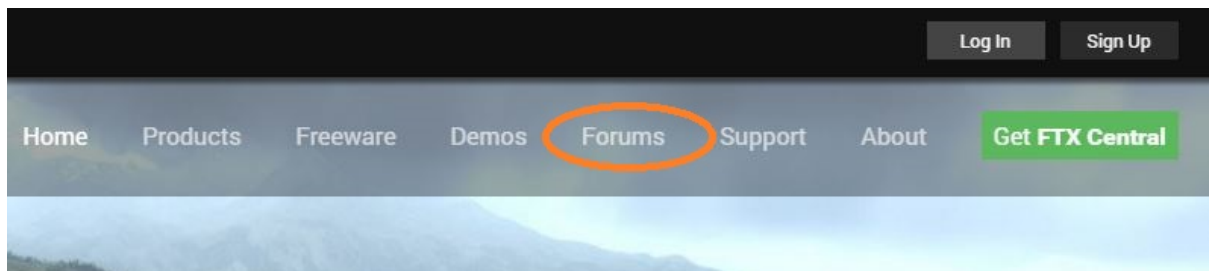
*Wind turbines close to runway 02/20 place restrictions on use.*





# Product Technical Support

Orbx has a very simple support policy: no question unanswered. That means, should you have any questions about EGCK or its use, please feel free to register on the forums at [orbxdirect.com](http://orbxdirect.com) and then log a support question in the 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](http://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 EGCK. Provided you adhere to the forum terms of use and have a legitimate copy of EGCK, 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 support forums for each issue (don’t tag new issue reports onto existing threads).
- Include your TRANSATION ID from your EGCK purchase in your post or forum signature section.
- A screenshot to highlight what you are talking about.
- Please attach your X-Plane 11 log file to the support request
- 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 92,000 members as of March 2020. To visit the forums, just point your web browser to [orbxdirect.com](http://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 Orbx EGCK Team

## EGCK Developers

- **Tony Wroblewski:** 3D modelling, 2019 photography, texturing, ground imagery and user guide

## Specialist Roles

- **John Venema:** Head of R&D
- **Ed Correia:** Head of Production
- **Ben McClintock:** Head of I.T.

## Beta Testing Team

Friedi Gulder, Rob Abernathy, Phil Manhart, Matt McGee, Steve Colbert & Fillipo Nesi

## Further Acknowledgements

- **John Lovell:** Original 2013 location photography



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For the most recent version of the EULA, see [orbxdirect.com/eula](http://orbxdirect.com/eula).

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- the Orbx libraries associated with the Software (**Orbxlibs**); and
- associated printed materials, media and online or electronic documentation (**Documentation**),

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- 8.2. If we have to contact you or give you notice in writing, we will do so by email or by pre-paid post to the address you provide or confirm to us.

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