



D77-TC PELICAN with "Pelican Improvement MOD" - User Guide

Important:

The procedures and performances indicated below are for the Asobo's Pelican enhanced by Lord Frite's Improvement MOD.

Any other mod for the Pelican should be uninstalled to avoid potential conflict with the flight performances revised in the Improvement MOD.

Advice:

If not already done, and if you have the possibility, you should bind an axis of your throttle to the speed brakes axis. These are really important if you want the best control of your aircraft at "low" speed and during approaches and landings.

Version:

Pelican by Asobo: **0.1.9** (Sim Update 12)

Pelican Improvement MOD: **3.0.x**

This documentation: **1.1**

TAXI

- Get in **VTOL** mode.
- **THROTTLE** to **50%** (in the green area of the throttle indicator on your PFD).
- **Speed Brakes RETRACTED**.
- **TAXI LIGHTS ON**.
- **Parking Brakes OFF**.
- Use your stick/yoke and your rudder to "glide" to the runway.

TAKE OFF + LOW AND "SLOW"

- Be sure you are in **VTOL** mode.
- **THROTTLE** to **50%** (in the green area of the throttle indicator on your PFD).
- Pitch trim to neutral.
- **Speed Brakes RETRACTED**.
- **TAXI LIGHTS OFF**.
- **Parking Brakes OFF**.
- **LANDING LIGHTS** and **STROBE LIGHTS ON**.
- Gently push your **THROTTLE** forward to **60/70%** to gain altitude and raise in the air.
- Once at **300 feet** from ground, **THROTTLE** go back to **50%** to stabilize your altitude.
- **GEARS UP**.
- Hands on the stick and switch to regular flight mode.
- The aircraft will gain speed and start to pitch. Compensate with the stick to fly straight.
- **THROTTLE** to **IDLE**.
- Use your speed brakes to maintain the speed you want (between 160 and 250 KIAS).

CLIMB + CRUISE

- **Speed Brakes RETRACTED**.
- **THROTTLE** to **100%**.
- Use the pitch trim and your stick to **climb between 20° and 30° up**.
- Passed FL100, **LANDING LIGHTS OFF**.
- Once you reach Mach 2, the acceleration will be stronger.
- **Always keep an eye on your G-Forces in your PFD. You should never exceed +3Gs or -2Gs. So be always gentle with your stick/yoke and don't rush the flight level corrections you will make during your travel.**
- At **FL 1000** (100 000 feet), you should reach **Mach 7**.
- **THROTTLE** go to **60/65%** from this moment on.
- Stabilize your altitude at **FL1100 / FL1200**. You should be reading **Mach 7.78**. This is your cruise level and speed.
- **Try to avoid climbing above FL1400**: the readings would go crazy, you would "scratch" the ceiling of the sim, and you would be less fast and less efficient. But if you do, gently push the stick forward until your altitude the readings become coherent again and go back to FL1200.

DESCENT

- Initiate your descent at about **70/100 NM from your destination**.
- **THROTTLE** to **50%**.
- **GENTLY pitch down** to lose altitude and **stay at about Mach 7.77**.
- Passed **FL800**, **THROTTLE to 20/30%**, use "some" Speed Brakes and aim for the ground, for a steep descent.
- Keep slowing down (but not too fast) and try to aim for **250 KIAS** at **FL100**.
- **LANDING LIGHTS ON**.
- **THROTTLE to IDLE**.
- Use your speed brakes to maintain your speed at about 250 KIAS.

APPROACH + LANDING (regular mode)

- If you have the visibility on the airport, that's good. Otherwise, use the map or the camera on Cortana's MFD to align with your runway.
- **Maintain 160 KIAS** until you are aligned with the runway.
- **THROTTLE** is still to **IDLE**. You manage your speed with the Speed Brakes only.
- **GEARS DOWN**.
- As soon as you are aligned and on a correct glideslope, slow down to **140 KIAS for the final approach**.

- At the edge of the runway, **Speed Brakes to FULL**.
- Touch down at about **110/120 KIAS**.
- Apply brakes to slow down and stop your aircraft.
- **Speed Brakes RETRACTED**.

- Switch to **VTOL**.
- **THROTTLE to 50%** (in the green area of the throttle indicator on your PFD).
- Use your stick/yoke and your rudder to "glide" away from the runway.
- As soon as you leave the runway, **LANDING LIGHTS** and **STROBE LIGHTS OFF**.
- **TAXI LIGHTS ON**.
- And go find yourself a nice spot where to park your spaceship!

LANDING (VTOL)

- **Slow down to 200 KIAS** before the spot/runway you want to land onto.
- Switch to **VTOL**.
- **IMMEDIATELY apply 50% THROTTLE** to stabilize your altitude.
- **GEARS DOWN**.
- **Speed Brakes RETRACTED**.
- Hover above your destination with your stick/yoke + rudder and reduce **THROTTLE to 30/40%** to slowly lose altitude.
- Just before touchdown, make sure your **THROTTLE** is not too low, and you're not descending too fast.

- After touchdown, **THROTTLE to IDLE**.
- **LANDING LIGHTS** and **STROBE LIGHTS OFF**.