

Robin DR400-180

The DR400 is a four seat propeller driven plane.

Start off by having a look at the plane's structure and get used to all the instruments and switches inside the cockpit. If you are unsure of any of them then just search them online.



There are two settings for the flaps on the DR400.

Start-Up:

To start up the DR400, firstly turn the battery and alt switches on (located under yoke).



Check the mixture is set to rich.



Check your fuel and make sure you have enough to fly.



There are four different light switches on this plane. The two on the left are your landing lights and the two on the right are your wing, strobe and beacon lights. Switch the two switches on the right on.



Press '}' to change the magneto setting. Each time you press it, it will turn the dial one to the right. To turn the dial to the left press '{'. You want both engines running, so turn it fully right ('}' three times).



Find out the airports altitude and set up your altimeter using the nob.



You can have the canopy open or closed during taxi. Press 'd' to open/close it.



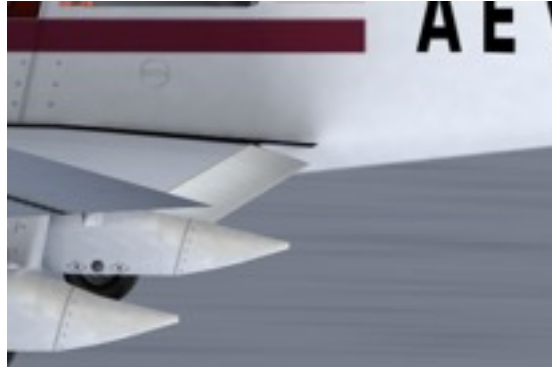
You are now ready to start up the engine. Put your parking brake on by pressing 'shift-b'. Put throttle 25% forward and hold down 's' to start the engine. Hold it until you clearly hear the engine start, you can now release the brakes and taxi to the runway ready for takeoff clearance.

Take-Off:

Turn the landing lights on so all the planes lights are on.



If you are on a small runway that you may not be able to takeoff without reaching the end of the runway, set your flaps to one, this will help increase lift, if you are on a sizable runway, don't bother to use flaps.



Make sure the canopy is closed and the mixture is rich.

Turn the HUD on if you find it easier to see the speed and altitude.

Try to lift off at 80 knots without flaps, or 70 knots with flaps.

Turn your landing lights off when you are 120ft in the air.

You can now fly as you wish! (Don't forget to listen to atc).



Approach:

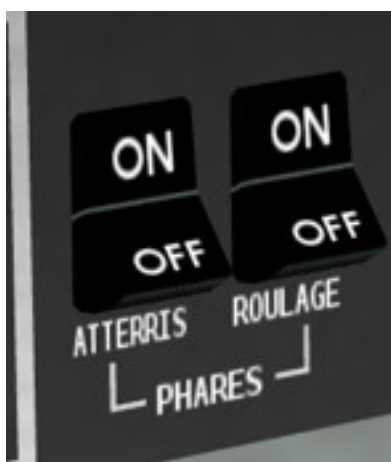
You've had your flight and you are now approaching the runway.

Try to descend using your speed rather than pitch. Decrease the speed and your altitude will also smoothly decrease.

Check your mixture is on rich.

Check the canopy is closed.

When you are 650ft high, turn your landing lights on.



Adjust throttle to keep a steady speed of 95-100 knots.

When you are getting closer to the runway, set flaps to one. This will slow the plane down.

Try to maintain a speed of 80-90 knots, when you are 15 seconds from touchdown, set flaps to two.

Land at 50-65 knots.

Turn your landing lights off just before taxiing off the runway and you may open the canopy.

Shut-Down:

Set your flaps fully down.

Turn the parking brakes on with 'B'

Put the mixture to cutoff. (As lean as the lever goes).

Turn the radios off by turning this nob as far left as possible:



Turn the magnetos off.

Wing lights off.

Alternator off.

Battery off.

You may now open or close the canopy :).

*Thanks for downloading this free guide which I spent some days creating in my free time.
My callsign on Flightgear is RESCUE (fgrescue.webs.com) or AEZ-002
(aireurova.webs.com)*

*Be sure to check out both the sites above and sign up!
I would love to chat to you on these sites, and of course, the DR400 is a plane used!*

*Thanks again,
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