

SNCAN Nord 1101 Ramier



Flight Simulator 2020 (MSFS) version

English version manual

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THE NORD 1101 RAMIER

During the Second World War, the German manufacturer Messerschmitt had transferred to the North of occupied France (Méaulte) the construction of the aircraft Me108 "Taifun" . He also began the study of a new liaison and training aircraft as a successor under the Me208 appellation.

At the time of the Liberation, this program had not yet been produced in series. It was restarted by the recently created french manufacturer " Société Nationale de Construction Aéronautique du Nord" (SNCAN) and produced in series with the name "Nord1101" (Ramier for military users - Noralpha for civilians).

The North 1101 is a metal monoplane aircraft (except the control surfaces), four-seater and dual control. It is equipped with an air-cooled 6-cylinders in-line Renault 6Q engine and a metal RATIER propeller with variable pitch with electric command.

General characteristics :

*Wingspan 11,50m
Lenght 8,845m
Height 3,350m
Hydraulic retractable gear*

Specials

- Compressed air autonomous starting system (Air Equipement type VIET223)*
- electric control used for manual or automatic propeller pitch setting*
- no parking brake*
- steering on the ground using the brakes (front wheel not combined with the rudder) (*)*
- inverted mixture control ("full rich" >> backward)*

() on the model the front wheel is however combined with the rudder for easier use*

THE NORD 1101 RAMIER PROJECT

Model : André Chancel

Textures : Marc Hardouin

Sounds : Jean-Michel Renaux

Flight dynamics : Jean-Pierre Bourgeois (BeeGee)

The Nord 1101 RAMIER had already been the subject of a first modeling for Flight Simulator 9 by Restauravia in 2006 then an adaptation for FSX and for Prepar3D

The model proposed here results from a new adaptation made by Jean Lacante for Flight Simulator 2020 (MSFS)



invitation to travel



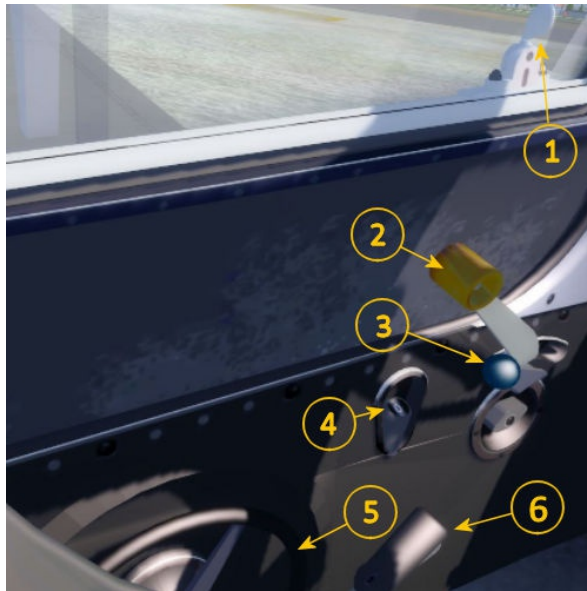
FRONT PANEL



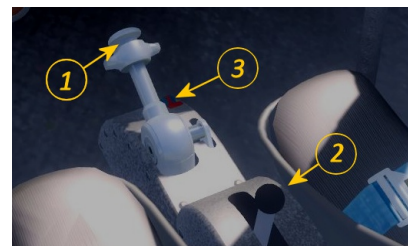
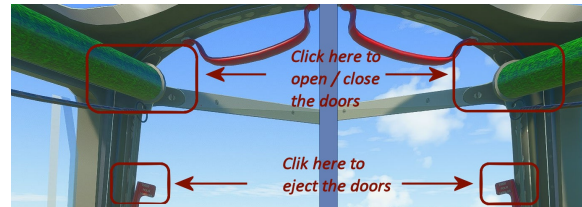
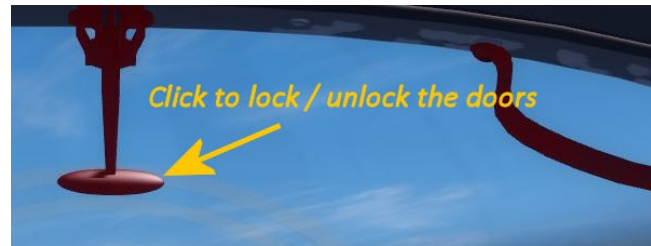
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|-----------------------------|---------------------------------|--------------------------------------|
| 1 - Aerator (*) | 11 - Landing gear position | 20 - Fuel tanks gauge |
| 2 - Pitot heat light | 12 - Anemometer | 21 - Fuel pressure |
| 3 - FIRE alarm | 13 - Attitude indicator | 22 - Clock |
| 4 - Extinguisher command | 14 - Vertical speed indicator | 23 - Oil pressure |
| 5 - Manifold pressure | 15 - Altimeter | 25 - Depressed air distributor (***) |
| 6 - Turn indicator | 16 - Gyro-compass | 26 - Static pressure selector |
| 7 - Propeller setting panel | 17 - Compass | 27 - Hydraulic pressure |
| 8 - Tachometer | 18 - Cabin lighting button (**) | 28 - Starting AIR pressure indicator |
| 9 - Fuel tanks selector | 19 - VHF COM radio | |
| 10 - Magnetos selector | | |

(*) unfunctional (**) compass lighting on the real plane (***) click a button to activate turn indicator - attitude indicator - gyro-compass

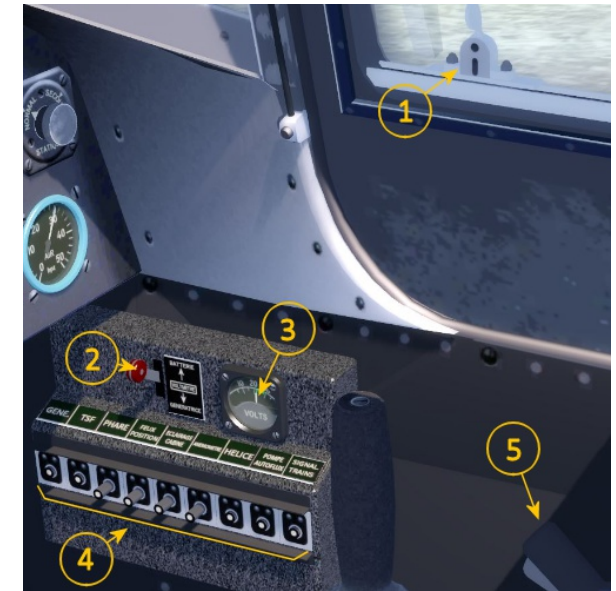
OTHER COMMANDS



- 1- Open / close left window
- 2 - Throttle lever
- 3 - Mixture lever (RICH > backward !)
- 4 - Flaps position
- 5 - Flaps command
- 6 - Seat position control



- 1 - Landing gear lever
- 2 - Pitch compensator lever
- 3 - Gear emergency switch

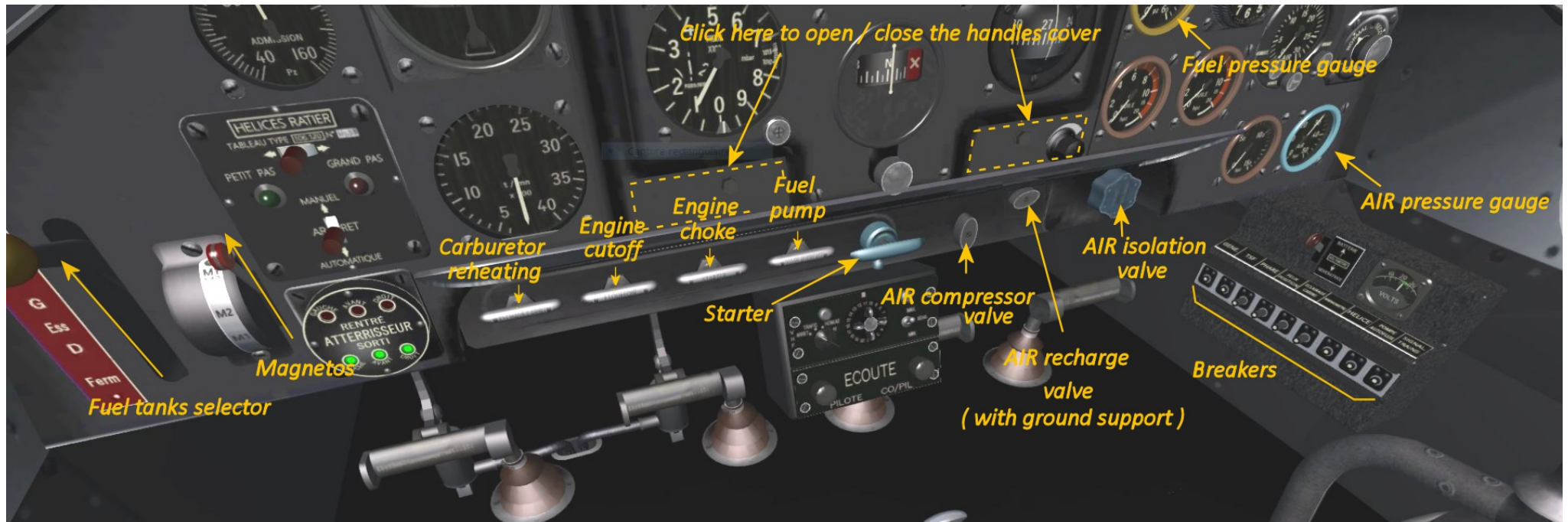


- 1- Open / close right window
- 2 - Voltmeter selector (battery <> generator)
- 3 - Voltmeter
- 4 - Breakers
- 5 - Landing light lever

BREAKERS

GENE.	TSF	PHARE	FEUX POSITION	ECLAIRAGE CABINE	ANEMOMETRE	HELICE	POMPE AUTOFLUX	SIGNAL. TRAINS
Generator	VHF	Landing light	NAV lights	Cabin light	Pitot heat	Propeller panel	Fuel pump	Gear lights

STARTING PROCEDURE



BEFORE STARTING

- Breakers (as required)
- Open the controller cover (under panel)
- Carburetor reheating (as required)
- Pull fuel pump handle
- 3 valves closed (isolation - compressor - recharge)

STARTING

- Fuel tanks selector OPEN
- Magnetos M1M2
- AIR isolation valve OPEN
- When stabilized AIR pressure (30 Hpz) close the compressor valve

AFTER STARTING

- Look at fuel pressure gauge
- AIR isolation valve CLOSED
- Open the AIR compressor valve
- Look at AIR pressure gauge
- When AIR pressure

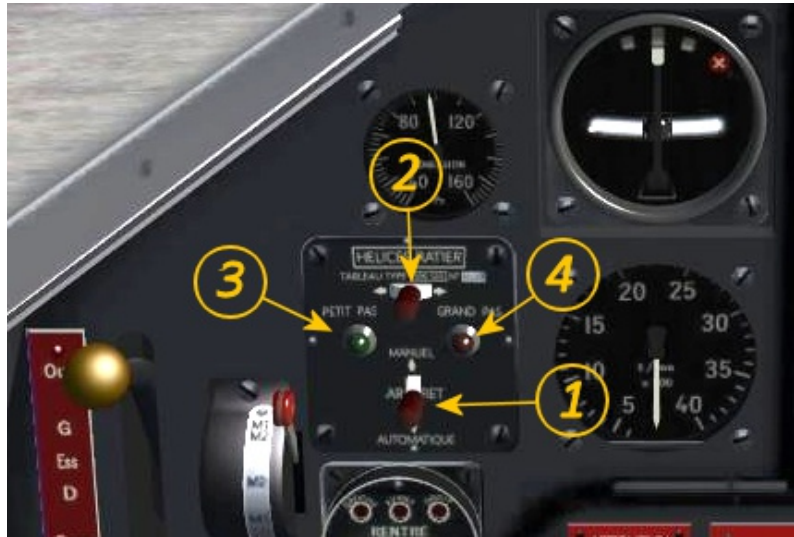
Zero AIR pressure

If the AIR pressure is zero, the AIR recharge valve is used to inflate the AIR bottle with an external source.

On the model >>> open the AIR recharge valve and close after use

>>> The engine can also be started with the automatic control of the simulator (CTRL + E by default)

PROPELLER PITCH COMMAND



1 - MODE selector (*)

2 - Manual adjustment of the propeller pitch (**)

3 - Minimum pitch light (high RPM)

4 - Maximum pitch light (low RPM)

(*) mouse wheel

(**) left click on the right or left side

The propeller control panel allows ("HELICE" breaker ON) selecting a MODE ("AUTOMATIQUE" - "MANUEL" - "ARRET")

- On "ARRET" mode the propeller pitch keeps a fixed value
- On "MANUEL" mode the pitch is set by action on the upper inverter. A light flashes on the limit values.
- On "AUTOMATIQUE" mode the pitch is adjusted according to the position of the throttle

On the model the different modes are functional.

If you have a joystick programmed on the propeller control AXIS two possibilities:

- to use the propeller control panel described above leave your controller in minimum pitch (high RPM) position
- if you choose to use your joystick, set the MODE selector on the control panel above to "ARRET"

RADIO COM CONTROL UNIT



Circuit breaker "TSF" switched on:

1 - ON / OFF switch

2 - Frequency selector
units setting >> mouse wheel
decimals adjustment >> left click - right click

3 - Interphone control panel (unfunctional)

4 - Click here to show / clear frequency



DISPOSITIONS LEGALES

This model is the property of Restauravia. It's distributed as freeware on the Restauravia site .

Any distribution of this model, or part of the model, modified or not, by any means is prohibited.

However, the distribution of textures on any site is allowed, provided it's done for free as a supplement to the basic model.

If you have any problems in using this model :

- Look at this documentation: the answer is probably here.
 - Visit the "Pilote Virtuel" forum (<http://www.pilotevirtuel.com>) (french language). You will probably find help
- Or an english language forum (for instance: SOH <http://www.sim-outhouse.com/sohforums/forum.php>)*

Last solution: contact us at support@restauravia.fr

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