N0RD 1101 RAMIER



version 1.3

Flight Simulator 2020 and 2024

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 by Restauravia

Model : *André Chancel*

Textures : *Marc Hardouin*

Sounds : *Jean-Michel Renaux*

Flight dynamics : *Jean-Pierre Bourgeois (BeeGee)*

The Nord 1101 Ramier was previously modeled for Flight Simulator 9 by Restauravia in 2006, and subsequently adapted for Flight Simulator X and Prepar3D.

The version presented here is a new adaptation for Flight Simulator 2020 and 2024, which includes several modifications.



Unless otherwise specified, the instructions in this manual apply to use with both FS2020 and FS2024.

Invitation to travel .....



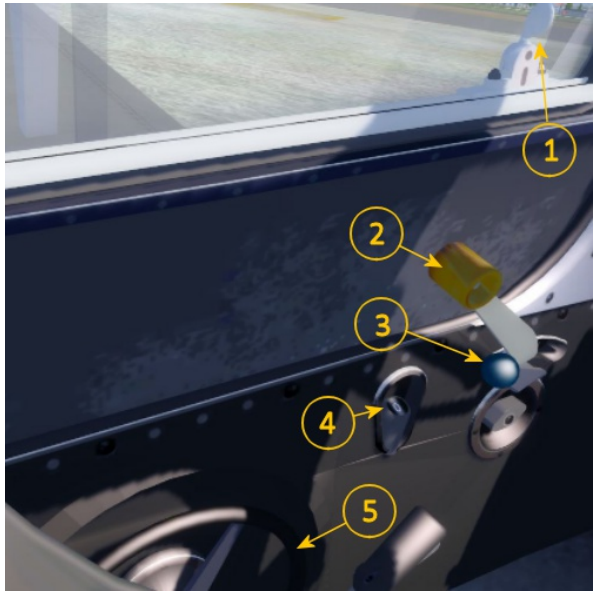
FRONT PANEL



1 - Aerator (*)
2 - Pitot heat light
3 - FIRE alarm
4 - Extinguisher command
5 - Manifold pressure
6 - Turn indicator
7 - Anemometer
8 - Attitude indicator
9 - Vertical speed indicator
10 - Fuel tanks gauge
11 - ADF indicator
12 - Propeller setting panel
13 - Tachometer
14 - Altimeter
15 - Gyro-compass
16 - Compass
17 - Fuel pressure
18 - Clock
19 - Fuel tanks selector
20 - Magnetos selector
21 - Landing gear position
22 - Engine control levers cover
23 - Panel light switch
24 - Oil pressure
25 - Oil temperature
26 - Depressed air distributor (**)
27 - Static pressure selector
28 - Hydraulic pressure
29 - Starting AIR pressure indicator
30 - Radios panels

(*) unfunctional *(**) click a button to activate turn indicator - attitude indicator - gyro-compass*

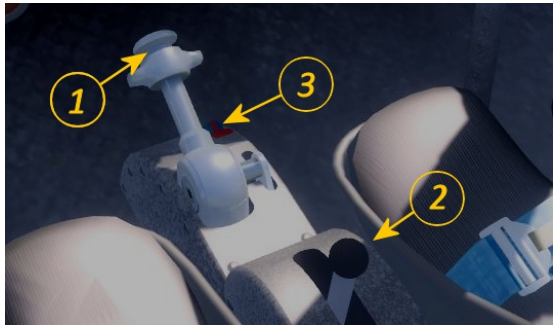
OTHER COMMANDS



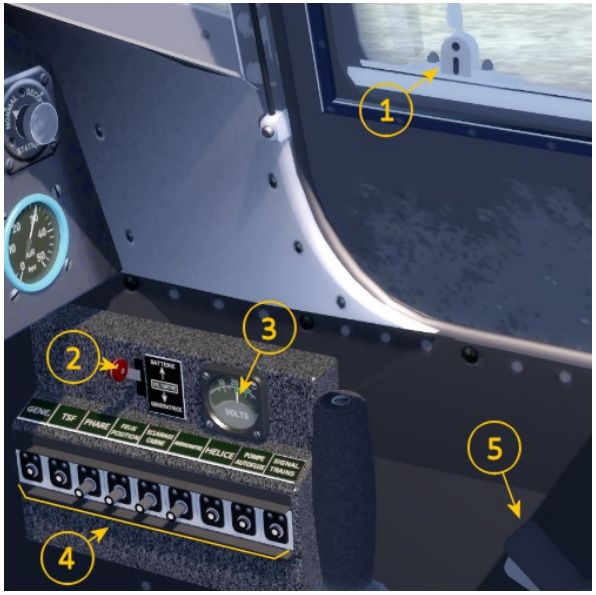
1- Open / close left window
2 - Throttle lever
3 - Mixture lever (RICH > backward !)
4 - Flaps position
5 - Flaps command



Clicking the left handle activates "high seat" mode



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

DOORS COMMAND



To open the doors:

- *Click (1) to unlock*
- *Click the strap (2) to open the door*

(Reverse sequence to close)

To eject the doors:

- *Click (1) to unlock*
- *Click the lever (3) to eject*

PROPELLER PITCH COMMAND



1 - MODE selector (*)

2 - Manual adjustment of the propeller pitch (*)

3 - Minimum pitch light (hight RPM)

4 - Maximum pitch light (low RPM)

(*) left / right click

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



"TSF" circuit breaker engaged:

VHF COM

1 - ON/OFF switch

2 - Frequency selector
Rapid adjustment >> right-click / left-click
Decimal adjustment >> mouse wheel

Click on (3) > The selected VHF frequency is displayed

4 - Intercom / Onboard telephone (non-functional)

RADIO COMPASS

5 - ON/OFF switch

6 - Frequency adjustment (thousands and hundreds) >>> mouse wheel

7 - Frequency adjustment (tens, units) >>> mouse wheel
(decimals) >>> right-click / left-click

PRE-FLIGHT CHECK



Aircraft in the PARKING position, perform a walk-around

To remove the removable accessories :

Flight Simulator 2020

Use the "TOGGLE PARKING BRAKES" (*) keyboard command to simultaneously remove:

- *the pitot cover (1)*
- *the wheel chocks (2) and (3)*

(*) default: "CTRL + (Decimal point on the numeric keypad)"

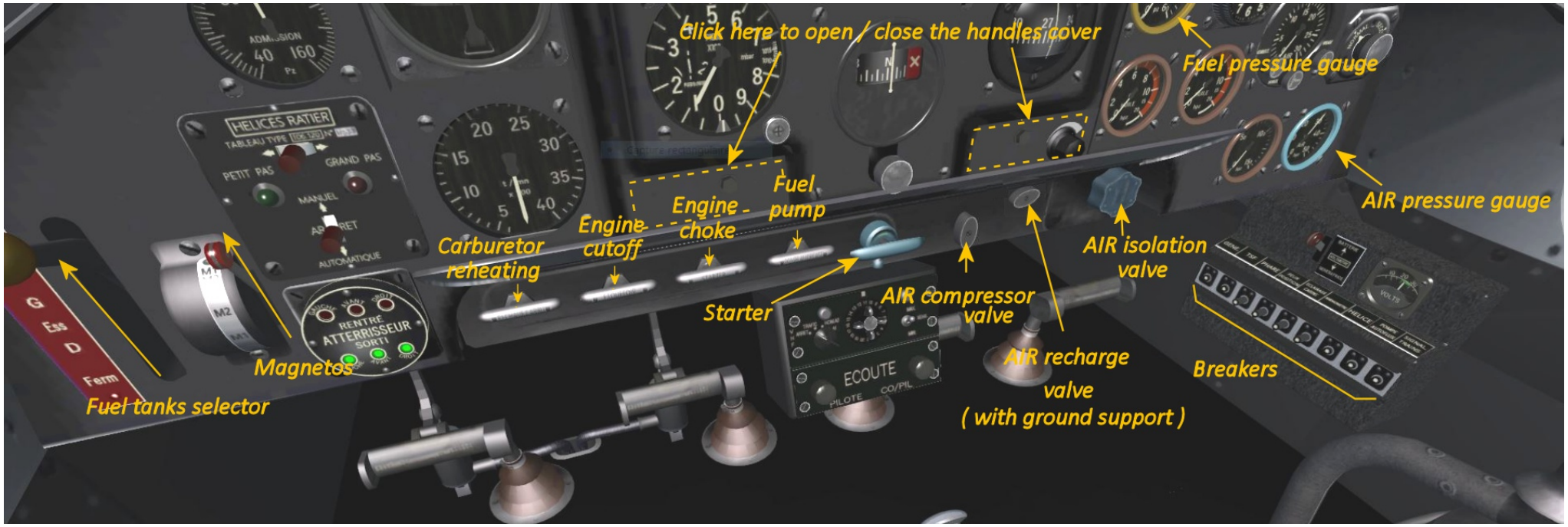
Flight Simulator 2024

Click in sequence on:

- *the Pitot cover (1)*
- *the left chock (2)*
- *the right chock (3)*

to remove the corresponding item

STARTING PROCEDURE



BEFORE STARTING

- *Breakers (as required)*
- *Open the controller cover (under panel)*
- *Carburator reheating (as required)*
- *Pull fuel pump handle*
- *Look at fuel pressure gauge*
- *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

- *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)

LEGAL MENTIONS

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.



The Restauravia team thanks all those who participated in this project or who contributed indirectly to its realization.



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

Restauravia november 2026