NIDEK

SYNETIC

USER'S MANUAL

CE

THE ART OF EYE CARE

Before use or maintenance, read this user's manual carefully

This manual contains information necessary for the use of the NIDEK SYNETIC consultation unit, such as operating procedures, precautions for use, specifications and maintenance instructions.

This user manual is essential to ensure the unit is used properly.

This device is intended for health care professionals; the precautions for use and the methods of use must be fully understood before using the unit. Keep it handy for reference.

This consultation unit contains no user-replaceable parts . Therefore, if you have any problems or questions, please contact NIDEK or your authorized dealer.

This unit complies with EU Regulation 2017/745 of the European Parliament and Council of 5 April 2017 covering medical devices.

CE

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CONTENTS

1. THE SYNETIC RANGE

1.1. INTENDED USE OF THE CONSULTATION UNIT

The SYNETIC is a consultation unit for refractive examination. This device avoids the practitioner or the patient needing to move by adapting the position of the ophthalmology instruments to them manually or electrically.

It is intended for use by vision health professionals, including ophthalmologists, optometrists, orthoptists, opticians and nurses.

1.2. PRESENTATION OF THE VERSIONS

SYNETIC white / anthracite grey
Left hand version
2-Instrument tabletop.
Phoropter on a motorized fixed arm
FE-3001 examination chair, black with armrests
Ambient lighting column
Single chin rest

Wood / White SYNETIC
Left hand version
3-Instrument tabletop.
Phoropter on a motorized fixed arm
FE-3001 examination chair, black with armrests
Ambient lighting column

White / dark grey SYNETIC
Right hand version
2-Instrument tabletop.
Phoropter on a motorized fixed arm
FE-3001 examination chair, black
Ambient lighting column
Desk

2. SAFETY INSTRUCTIONS

The following safety precautions must always be observed. The CAUTION logo is used to draw attention to a potentially hazardous situation that, if not avoided, may result in minor or severe injury or material damage. Follow CAUTION instructions strictly.

2.1. PRECAUTIONS RELATING TO THE INSTALLATION

CAUTION

Only NIDEK or your authorized dealer is authorized to install the consultation unit. Otherwise NIDEK cannot be held liable for accidents due to incorrect installation.

Install the consultation unit in a place that is never exposed to water. Water entering the internal structure of the unit can cause an electric shock or a malfunction.

The installation of the consultation unit must be performed under the following conditions:

- Low dust,
- Flat floor, with no ripple greater than 5 mm,
- Stable floor, not subject to vibrations or shocks,
- Floor capable of withstanding the load exerted by the weight of the unit,

Failure to follow these instructions may result in the unit tipping over, damage to the floor, and cause serious injury.

Do not attempt to move the consultation unit, as there is a risk of injury, damage to the unit, and damage to the medical devices installed on the examination tabletop. Contact NIDEK or your authorized dealer for service by a NIDEK technician.

The SYNETIC consultation unit is declared to comply with EU Regulation 2017/745 concerning medical devices as it has been tested and declared to comply with EN 60601-1 and 60601-1-2 to ensure basic safety and reasonable protection against harmful interference occurring in a typical medical installation.

It is the user's responsibility to use this unit in accordance with the safety standards in force.

2.2. ELECTRICAL CONNECTIONS

CAUTION

Make sure you use a mains socket that meets the specific requirements for the power supply. If this is not the case, the appliance may not work to the best of its capacity. The mains socket must be earthed, otherwise there is a risk of an electric shock in the event of current leakage.

Insert the supply plug fully into the wall socket. An unstable connection may cause a fire. Once the plug is connected, it should be easily accessible.

If the consultation unit is not to be used for an extended period of time, disconnect the power cable from the wall socket to avoid a fire hazard. To do this, grasp the plug to disconnect the power cord. Do not disconnect it by pulling on the power cord, otherwise the metal core of the power cable may break and cause a short circuit or electric shock.

Do not place heavy objects on the power cable or trap it. The power cable sheath may wear, causing a fire or electric shock.

If the metal core of the power cable is exposed, if the consultation unit turns on and off when the power cable is moved (there is a poor connection), or if the power cable or plug is so hot that it cannot be held, then the power cable is damaged. Contact NIDEK or your authorized dealer to replace the cable immediately to avoid the risk of an electric shock or fire.

Periodically clean between the pins of the power plug with a dry cloth. If dust collects there, it may absorb moisture and cause a short circuit or fire.

Note: Connecting electrical devices to the multi-socket base in the unit can lead to the creation of an electro-medical system.

2.3. PRECAUTIONS FOR USE

CAUTION

Never use the consultation unit for purposes other than those intended. NIDEK will not be liable for any accident or malfunction caused by misuse.

Never disassemble or touch the internal structure of the consultation unit. There is a risk of electric shock or malfunction.

If a fault in the consultation unit cannot be solved by restarting it, do not try to work on the electrical circuits of the unit. Unplug the power cable from the wall socket and contact NIDEK or your authorized dealer.

Be careful, the initialization phase at start-up must be carried out without anyone around the table or on the chair. Unlike normal operation where movements are controlled by continuous pressure on the control and under the supervision of the practitioner, during initialization, these are

automatic movements and you must ensure that no obstacles can cause collisions that could damage the equipment or cause injury.

Take care, during examinations, movements are controlled under the constant supervision of the practitioner. You must always make sure that no obstacle can cause collisions that could damage the equipment or cause injury.

The means to stop movements are:

- In a normal situation, in case of movement by a continuous pressure on the control, release the pressure the movement control.
- In an abnormal situation, i.e. if part of the consultation unit comes into contact with a person or an object, the anti-collision systems stop the movement, even in the case of a movement by continuous pressure on the control.
- In an emergency, you can also switch off the power supply to the motors at any time by pressing the "on/off" key on the control panel.

Please note that the USB port located at the back of the unit is intended for updating the electronic board in association with NIDEK, it cannot be used for charging devices (smartphone, tablet, etc.). Otherwise, there is a risk of hazardous situations that could cause a risk to human health or damage equipment or goods.

Appliances connected to the table must be Class I or Class II. If they are of Class I they must be earthed.

2.4. SERIOUS INCIDENT DECLARATION

If you consider that a serious incident has occurred in connection with the unit, that incident must be notified to NIDEK SA and the competent authority of the Member State in which you are established. In France, for example, this notification can be made via the national system of reporting to the National Agency for the Safety of Medicinal and Health Products[1].

Note: By reporting incidents, you help provide additional information about the safety of the unit.

2.5. END-OF-LIFE DISPOSAL

Electrical and electronic equipment contains polluting materials (electronic boards, capacitors, etc.). Their depollution and recycling helps to preserve natural resources, particularly strategic raw materials.

[1] ANSM – See the website www.ansm.fr

WARNING: At the end of the useful life of your consultation unit, do not dispose of it with household waste. This unit must be collected and eliminated selectively.

In order to fulfil its obligations under the European Directive 2012/19/EU on waste electrical and electronic equipment, and to enable the appropriate reuse and recycling of parts, NIDEK adheres to the Ecosystem[2] and finances the approved collection and recycling system for professional electrical waste (WEEE Pro). This allows you to dispose of your consultation unit at the end of its life free of charge.

For specific disposal information in countries other than France, contact your distributor or consult local regulations for disposal of electronic products.

2.6. LABELLING

2.6.1. Electrical hazard symbol

A label is affixed to the protective housings of the unit indicating that they cover accessible dangerous electrical voltages:

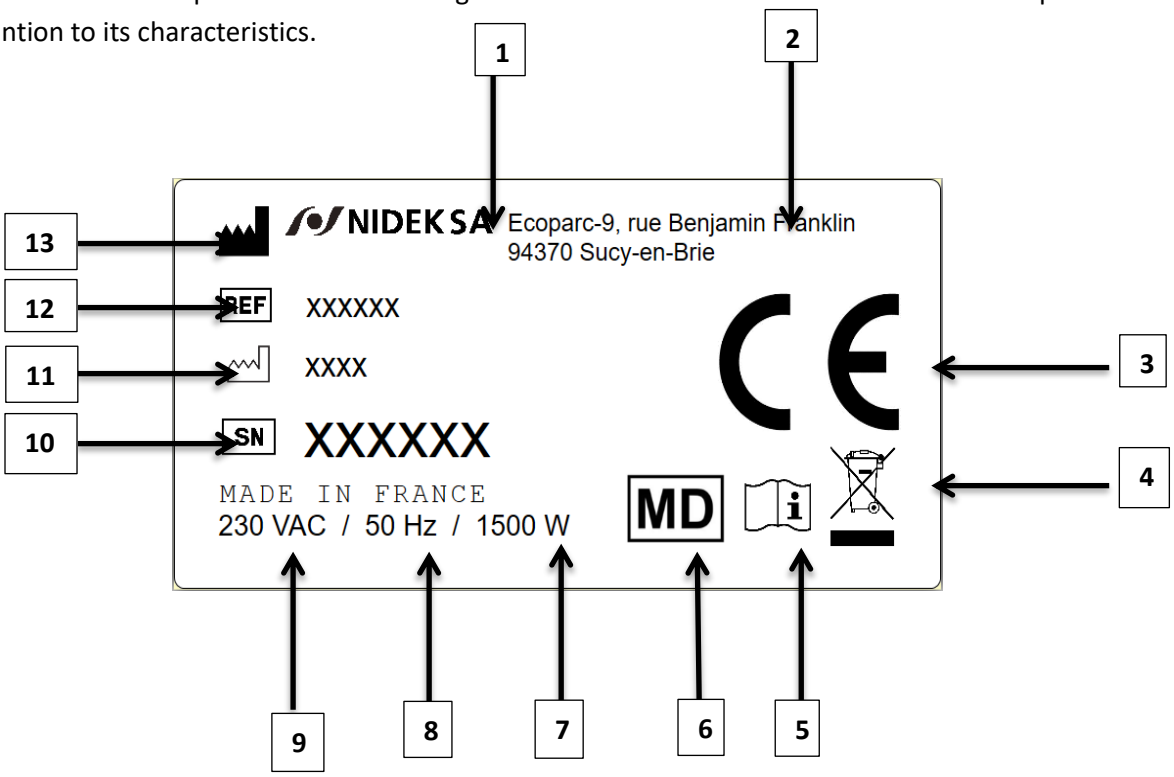
2.6.1. Hazard symbol for hand pinching

Labels are placed on the protective covers of the unit to indicate areas where there is a risk of fingers being pinched.

[2] Ecosystem: An Eco-organization approved by the French public authorities. For all collection solutions, refer to www.ecosystem.eco or contact NIDEK or its authorized distributor.

2.6.2. Label

The manufacturer's plate and the following indications are affixed to the unit to draw the operator's attention to its characteristics.



1 Manufacturer's logo

2 Address of the head office

3 In accordance with EU Regulation No. 2017/745 concerning medical device

4 The EEE[3] are subject to separate collection

5 Refer to the precautions for use and instructions for use

6 Medical Device

7 Maximum power

8 Frequency

9 Supply voltage

10 Serial number

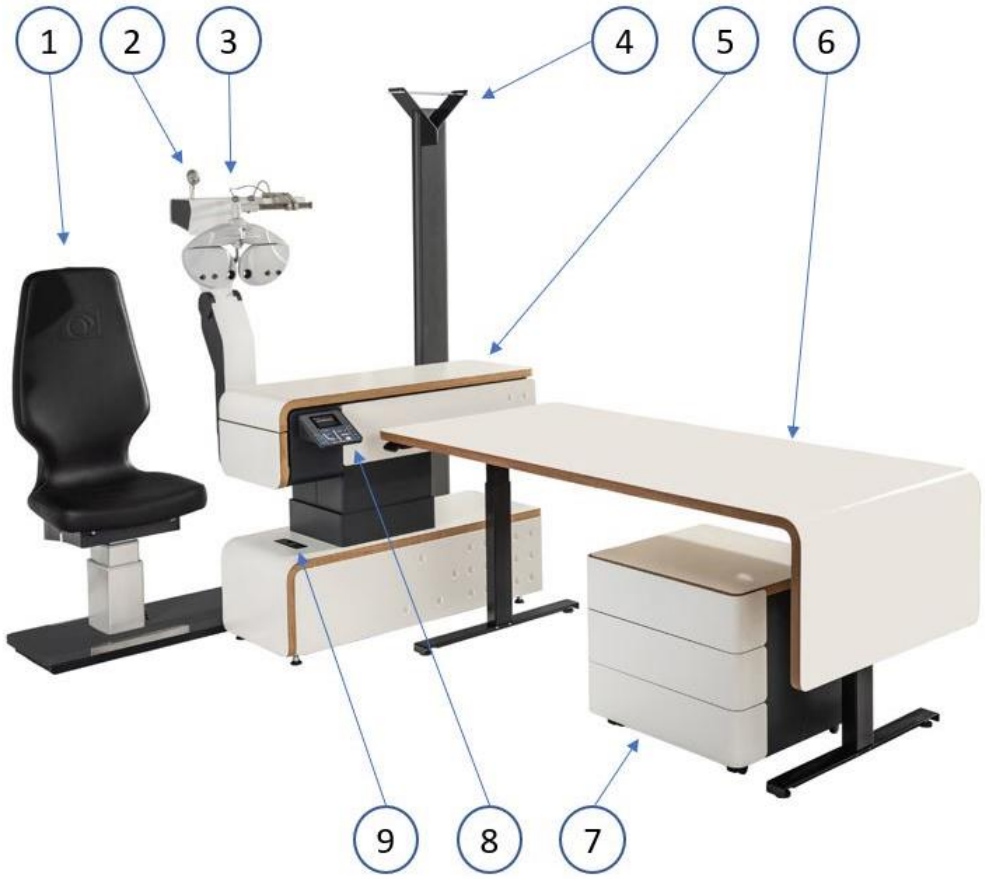
11 Year of manufacture

12 product reference

13 Manufacturer

[3] EEE: Electrical and Electronic Equipment

3. DESCRIPTION OF THE UNIT



1: Electrically-elevated patient chair

2: Near vision spot

3: Electrically-operated phoropter arm (with optional tilting)

4: Ambient lighting

5: Electrically-elevated tabletop

6: Electric lifting desk

7: 3-drawer cabinet

8: Control console with touch screen

9: Thermal circuit breaker

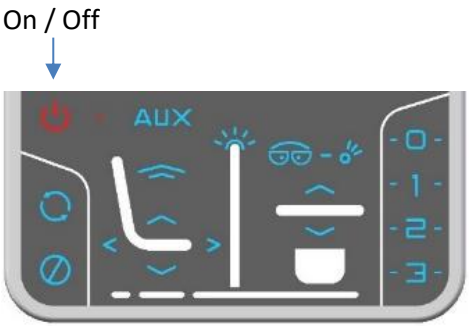
4. OPERATION

4.1. SWITCHING THE UNIT ON

First of all, the unit must be properly connected to a power source (see *§ 2.2 "Connecting the Unit to a Wall socket").* The thermal circuit breaker (located on the frame) must be set to position "I". Its green LED goes on.

The warning light on the console flashes once and the screen lights up.

Press the on/off button on the console. The unit initializes and the console flashes during initialization, when the console stops flashing the unit is ready for use.



4.2. SWITCHING THE UNIT OFF

Remember to switch off your unit daily by switching the thermal circuit breaker (located on the base) to position "O". The green LED goes off, as well as the keyboard, screen and appliances.

4.3. ENERGY SAVING MODE

If the table is switched on at the circuit breaker (green button), all the motors are powered, they switch off after 10 minutes if the table is not on at the console.

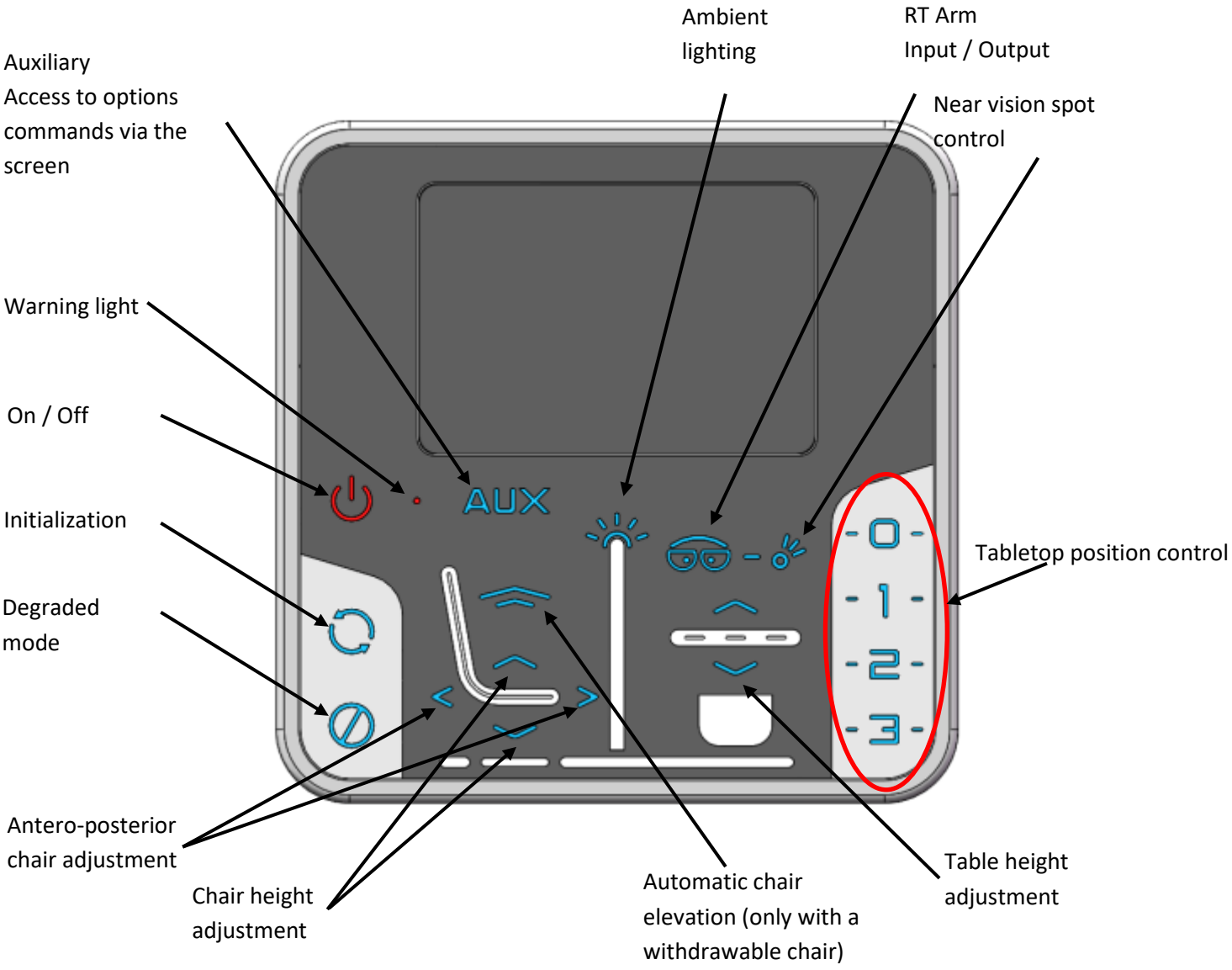
In the case of prolonged inactivity, the unit automatically switches to energy saving.

Two cases:

1. Unit on at the console and inactive for 2 hours, the unit turns off, only the 230 V permanent power supply remains for the devices on the platform and the motors. Just press the ON/OFF button on the console for the table to turn on and initialize.

2. Unit on at the circuit breaker (green button) and inactive for 2 hours and 10 minutes, the motors of the refraction arm (option), of the electric translation and of the telerefraction (option) are cut off. Press the ON/OFF button on the console twice (5 sec. Between the 2 presses) for the table turn on and initialize.

4.4. USING THE CONTROL CONSOLE



4.5. USING THE TOUCH SCREEN

4.5.1. Menu access

After initialization of the unit, this screen appears. It allows the ambient lighting to be adjusted and the menu to be accessed from the top left pictogram. The menu provides access to the Options / Information / Diagnostics / Languages / Help pages.

The arrow at the top left of the screen can be used to return to the previous page.

4.5.2. Preferred height adjustment

Menu / Settings / Tabletop positions

Set the preferred height with the +/- keys

If the eye height is different on one of the appliances, you can set an offset for positions 2 and 3 and for the refractor.

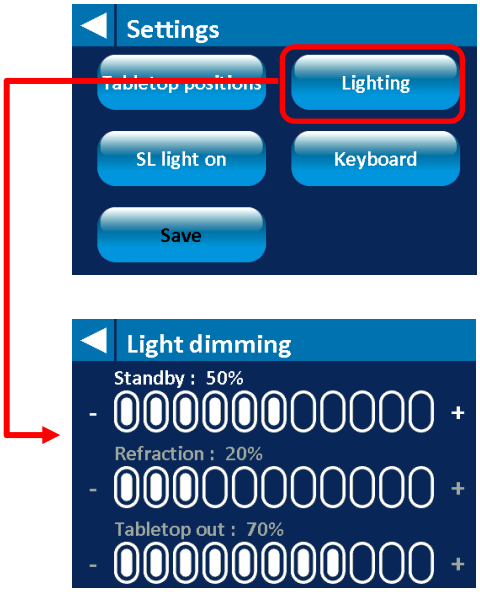
Then press the "previous" key and then "save".

4.5.3. Adjusting the strength of the ambient light

Menu / Settings / Lighting

It is possible to adjust the strength of the light in 3 configurations: Standby / Refraction / Tabletop out

Then press the "previous" key and then "save".



4.5.4. Setting the slit lamp position

Menu / Settings / SL light on

This parameter will be set at the factory by NIDEK technicians. If you need to change the position of the slit lamp, activate the corresponding slit lamp position. Remember to deactivate the position used previously.

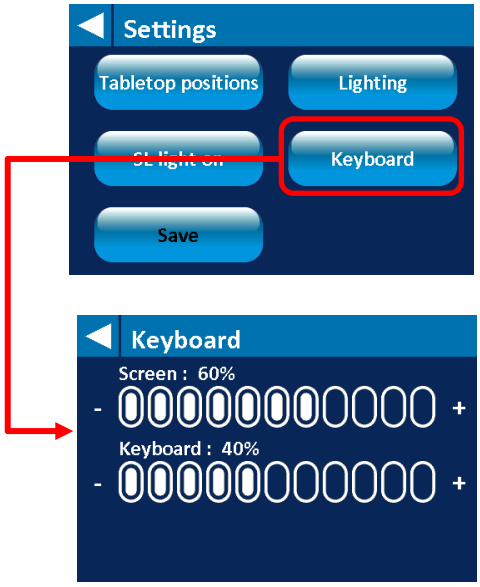
Then press the "previous" key and then "save".

4.5.5. Setting the keypad backlighting

Menu / Settings / Keyboard

This setting allows you to adjust the brightness of the keyboard and screen backlighting.

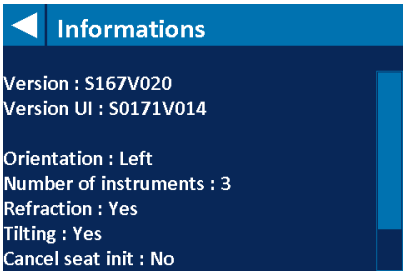
Then press the "previous" key and then "save".



4.5.6. Information

Menu / Information

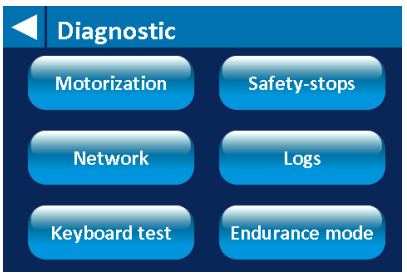
This menu allows you to know the configuration of your consultation unit.



4.5.7. Diagnostic

Menu / Diagnostic

Access to this menu is restricted to NIDEK technicians only.

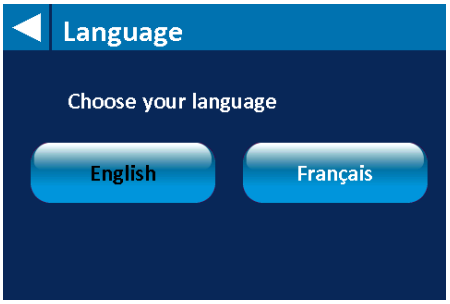


4.5.8. Choice of language

Menu / Language

You can change the language in which texts are displayed: French or English.

Then press the "previous" key and then "save".



4.5.9. Help

Menu / Help

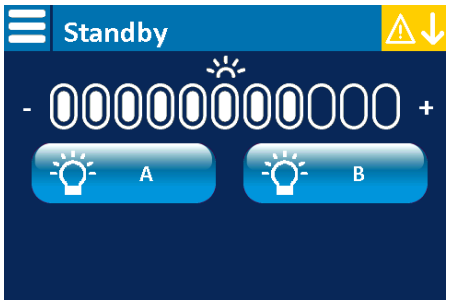
This menu allows you to access the NIDEK service department number.

4.5.10. Notifications

When a fault occurs, a symbol appears at the top right of the screen.

Press this symbol to find out the cause of this fault.

For more details, see §5.1 Troubleshooting

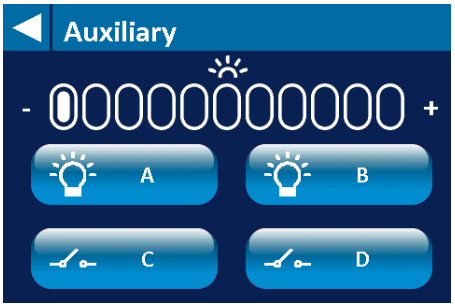


4.5.11. Auxiliary

This menu will appear by pressing the "Aux" key provided this option has been configured.

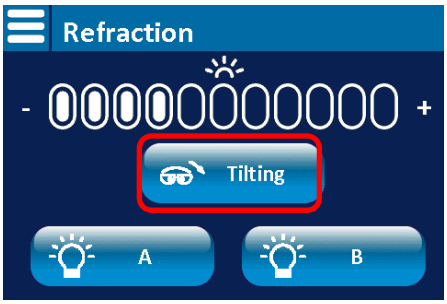
These keys are used to control lighting, door opening, a bell, etc. It is possible to choose the logo assigned to each key: bulb, switch, etc.

If you need to set this menu, please contact your NIDEK technician.



4.5.12. Phoropter arm tilting (Optional)

If you have the tilting option, the logo will appear on the screen when the arm is in exam position.



4.6. USING THE SECONDARY CONTROL PANEL (Optional)

The secondary console is used to adjust the height of the chair and the tabletop.

4.7. USING THE CHIN REST (Optional)

The unique chin rest is fitted with electric height adjustment via two buttons placed on its base.

After using the slit lamp, remember to lock it in the back position to prevent it from colliding with the chin rest when moving the tabletop.

To minimize this risk, a sensor is placed in the tabletop in front of the slit lamp. See §4.8 Safety devices

4.8. USING THE DESK (Optional)

The desk height is adjustable by tilting the control panel up or down.

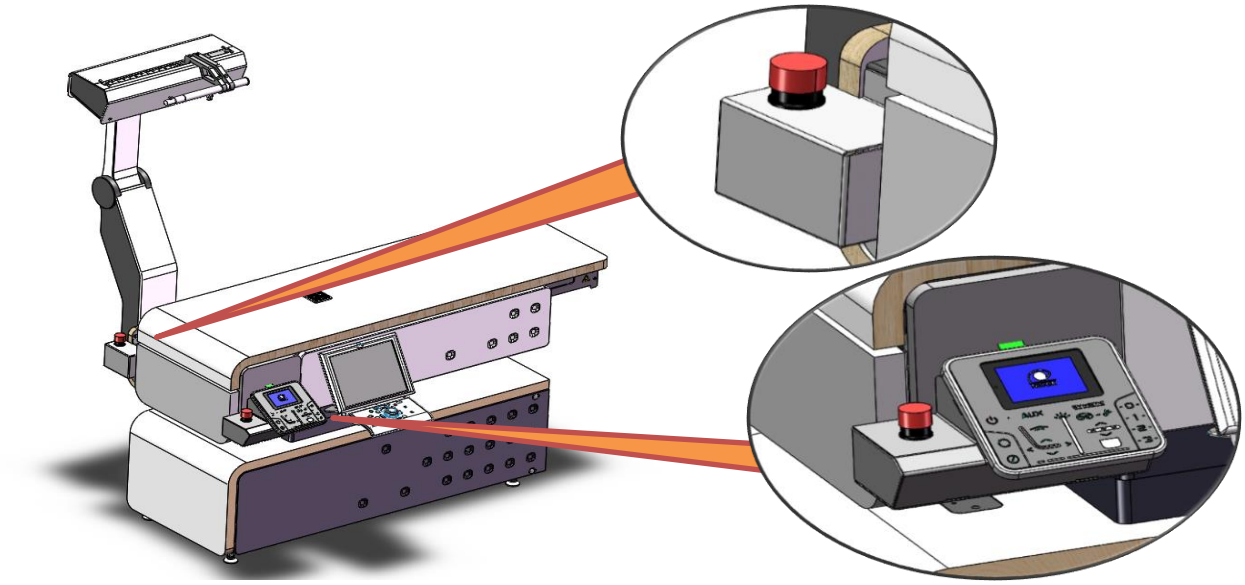
The screen displays the height of the console in centimetres.

The "Desk control" application allows you, among other things, to set preferred heights and activate the automatic up/down (downloadable application from the App store and Google Play). Then double-tap the keyboard and the desktop automatically moves between the positions saved.

4.9. SAFETY DEVICES

4.9.1. Emergency Stop Button

In case of teleconsultation, the practitioner can control the unit remotely. An emergency stop button will be placed next to the patient seat (either next to the phoropter arm **OR** next to the control panel). This one will allow the patient to manually activate the table security. The unit will stop working until the security button is disengaged. To get the table back on, rotate and pull the red part of the button. The physician has to make sure to explain to each patient how to use the emergency button.

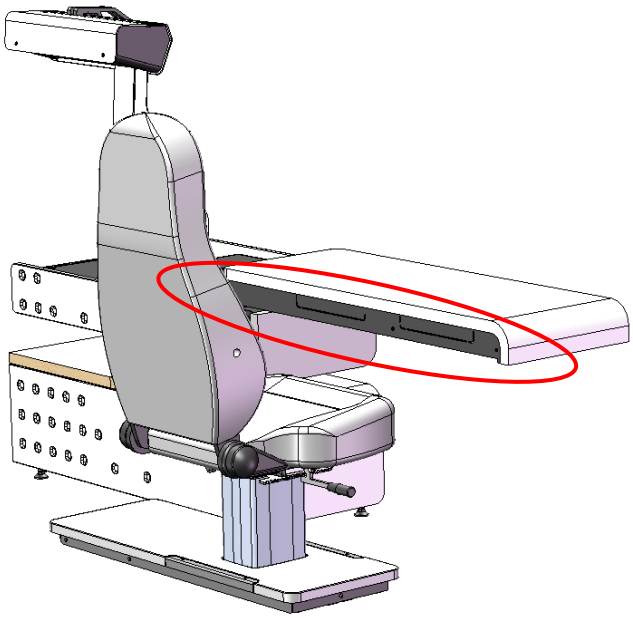


4.9.2. Up/down safety device

In case of contact with the patient's legs, a sensor stops the upward movement of the chair or the downward movement of the tabletop.

The pictogram  appears at the top right of the screen. For more details, see §5.1 Troubleshooting

As soon as the sensor no longer detects obstacles, the "chair up" and "table down" movements are authorized again and the pictogram disappears.



4.9.3. Anti-pinch safety device

When the tabletop returns to the home position (position 0), be careful not to leave your hands on the edge. To reduce the risk of pinching, a safety device is placed in the area under the tabletop.

If this safety device is triggered it stops the movement.

The pictogram  appears at the top right of the screen. For more details, see §5.1 Troubleshooting

4.9.4. Tabletop movement safety device

A safety device detects shocks during tabletop movement. If the tabletop comes into contact with an obstacle the movement is stopped.

In case of an anomaly the pictogram  appears at the top right of the screen. For more details, see §5.1 Troubleshooting

4.9.5. Phoropter arm movement safety device

A safety device detects shocks during refractor arm movement. If the refractor arm comes into contact with an obstacle the movement is stopped.

In case of an anomaly the pictogram  appears at the top right of the screen. For more details, see §5.1 Troubleshooting

4.9.6. SL safety device (only with the single chin rest option)

A safety device prevents tabletop movement if the slit lamp is too close to the single chin rest.

In case of an anomaly the pictogram  appears at the top right of the screen. For more details, see §5.1 Troubleshooting

5. MAINTENANCE

CAUTION: Before carrying out any maintenance, disconnect the power supply cable (unless indicated otherwise).

5.1. TROUBLESHOOTING GUIDE

If the consultation unit does not operate properly, make the following checks before contacting NIDEK or your authorized dealer.

5.1.1. Fault diagnosis

Starting	
Symptom	Checks / Corrective action
Nothing works The unit does not light up The green light on the main circuit breaker is off	Press the "ON / OFF" button The power cable is not connected properly. Check its connection. On your electrical panel, check the fuse supplying the electrical socket to which the unit is connected.
The green light on the main circuit breaker is on The unit does not light up, the console remains off.	Press the "ON / OFF" button

Up/down safety device	
Symptom	Checks / Corrective action
The tabletop moves up but not down	If the "pinching safety device" notification appears on the screen, check that nothing is activating this safety device
The seat moves down but not up	If the "pinching safety device" notification appears on the screen, check that nothing is activating it

Seat column	
Symptom	Checks / Corrective action
The seat does not move down or up	Contact your authorized dealer.

Electric movement	
Symptom	Checks / Corrective action
The RT Tabletop and/or RT Arm do not move.	Check for notifications on the screen. • If the "RT translation error" notification appears, check that there are no obstacles blocking the phoropter arm • If the notification "Tablet 1 error" or "Tablet 2 error" appears, check that there are no obstacles blocking the tabletop. • If the "pinching safety device" notification appears, check that nothing is activating this safety device • If the "leg safety device" notification appears, check that nothing is activating this safety device • If the 'SL Safety' notification appears, check that your slit lamp is far enough back

Slit lamp	
Symptom	Checks / Corrective action
The slit lamp does not light although everything else works	Check the bulb. Check the SL power connector.

Tabletop devices	
Symptom	Checks / Corrective action
Only one 230V powered device on the tabletop does not work.	Check that it is in the "ON" position. Refer to the instructions for the device.

If the actions in the table above do not solve the problem(s), contact NIDEK or your authorized dealer.

5.1.2. Fault solution

In the event of a failure of the safety systems or of the table or the RT arm movement and if you have already carried out the checks mentioned in §5.1.1 then, pending intervention by NIDEK or your authorized distributor, you can use your unit in the degraded mode.

In the event of a failure, you can temporarily deactivate the safety devices and the electric movements: the seat and table can still be raised and lowered **by sustained pressure on the control and under the constant supervision of the practitioner**.

To switch to the degraded mode, press and hold the "degraded mode" button for 10 seconds. The red LED then flashes rapidly.

WARNING: This operation should only be used as a last resort and for a limited time. It requires very careful handling of the table. A NIDEK technician must take action to repair the product.

5.2. MAINTENANCE AND CHECKS

Check the condition of the consultation unit daily. Perform the following checks:

- Control panel (with the naked eye),
- Operation of the various movements.

In the event of a fault, contact NIDEK or your authorized dealer.

In the event of a failure, refer to § *5.1 "Troubleshooting"*.

Note: With the exception of these recommendations only NIDEK or your authorized dealer is authorized to repair or dismantle the consultation unit. NIDEK cannot be held liable for accidents due to incorrect after-sales service.

5.3. CLEANING

CAUTION

Clean your unit daily with a soft dry cloth. For heavy-duty tasks, use a cloth soaked in a neutral detergent[4] and wrung out. Rinse surfaces with a damp cloth soaked in clean water to prevent premature hardening and cracking. Finally, wipe with a soft dry cloth.

To clean devices placed on the unit, refer to their instructions.

[4] Neutral detergent: a detergent with a neutral pH (between 6 and 8). This will not damage the surfaces of the consultation unit. Follow the dosage recommended by the manufacturers of the detergents or disinfectants.

WARNING: Products with components such as quaternary ammonium should not be used to avoid their negative effects on plastics. Never use organic solvents such as paint thinners or abrasive detergents to clean external parts. The finish on the consultation unit may be irreparably damaged.

5.4. SPARE PARTS LIST

The SYNETIC consultation unit is fitted with self-resetting fuses: so there are no fuses to change.

These units have no wear parts requiring periodical replacement. Consequently no spare parts need to be stocked.

5.5. USB FLASH DRIVE

A USB flash drive containing the original program of your SYNETIC is located under the console.

It is essential not to use this key for personal use or to connect it to another device.
It can be used when working with a NIDEK technician or via the Hotline.

6. CHARACTERISTICS and TECHNICAL INFORMATION

6.1. CE CLASSIFICATION

Rules 1 and 13 of the classification described in Appendix VIII to EU Regulation No. 2017/745 concerning medical devices define the SYNETIC as a Class I medical device.

Protection against electric shocks: As a Class I device, the SYNETIC consultation unit provides protection against electric shocks. In addition to the basic insulation, it includes additional safety devices for earthing the conducting parts of the accessible fixed wiring.

Operating mode: This SYNETIC consultation unit is classified for continuous operation.

6.2. ELECTROMAGNETIC COMPATIBILITY

The consultation unit can be used in shops or hospitals, except in the vicinity of active HF surgical equipment and RF protected rooms with ME systems for Magnetic Resonance Imaging where the intensity of electromagnetic interference is high.

CAUTION

Do not use the unit near, on, or under any other electronic device outside the intended operating conditions. There is a risk of abnormal operation. If such use is necessary, the device and other equipment must be checked to ensure normal operation under the conditions intended.

Use of accessories or cables other than those supplied by the manufacturer of the unit (there are no approved cables for using the unit) may result in increased electromagnetic emissions or decreased electromagnetic immunity of the unit and may result in malfunction.

Portable RF communications equipment (including peripherals such as antenna cables and external antennas) must not be used within 30 cm of any part of the unit. This could cause a reduction in the performance of the unit.

Manufacturer's Declaration – Electromagnetic Emissions
This device is intended for use in the electromagnetic environment specified below. The customer or user should ensure that it is used in such an environment.

***N.A** : Non Applicable* ***N.R** : Non Réalisé* ***N.D** : Non Demandé*

Type d'essai	Norme	Spécifications	Respect des exigences
Emissions Rayonnées	CISPR 11 classe B	**Accès par l'enveloppe:** Groupe 1 Classe B à 10m → 30 MHz – 230 MHz = 30 dBµV/m → 230 MHz – 1 GHz = 37 dBµV/m	**OUI** (1)
Emissions conduite	CISPR 11 classe B	**Entrée d'alimentation a.c :** 240Vac / 50Hz Limits : Group 1 Class B **0,15 MHz à 0,5 MHz :** → 66 à 56dBµV QP / 56 à 46dBµV AV **0,5 MHz à 5 MHz :** → 56dBµV QP / 46dBµV AV **5 MHz à 30 MHz :** → 60dBµV QP / 50dBµV AV	**OUI** (2)
	CEI 60601-1-2: 2014	**Câble couplé au patient:** Annexe H (informatif) **1-30MHz:** 24dBµA	**N.A**
Harmoniques 50Hz	CEI 61000-3-2	Accès 230Vac 50Hz: Limite Classe **A**	**OUI**
Fluctuations de tensions (Flickers)	CEI 61000-3-3	Accès 230Vac 50Hz: PST < 1 PLT < 0.65	**OUI**

Manufacturer's Declaration – Electromagnetic Immunity
This device is intended for use in the electromagnetic environment specified below. The customer or user should ensure that it is used in such an environment.

***N.A** : Non Applicable* ***N.R** : Non Réalisé* ***N.D** : Non Demandé*

Norme d'essai	Spécifications	Verdict
Décharges Electrostatiques CEI 61000-4-2	**Accès enveloppe et accès couplé au patient:** ± 8 kV contact ± 2 kV, ± 4 kV, ± 8 kV, ± 15 kV air	**OUI** **OUI** Critère **A**
Champs électromagnétiques rayonnés aux fréquences radioélectriques CEI 61000-4-3	**Accès enveloppe :** 80 MHz to 2.7 GHz : 3 V/m 80 % AM at 1 kHz, 1%	**OUI (10V/m)**
Proximity fields from RF Wireless communications equipment CEI 61000-4-3	**Accès enveloppe:** **Spots de fréquence:** Tableau 9 de la norme et § 3.2 Pulse modulation or MF as band	**OUI**
Transitoires électriques rapides en salves CEI 61000-4-4	. **Alimentation AC :** ± 2 kV (100kHz) / 240Vac @50Hz . **Alimentation DC :** ± 2kV (100kHz) . **Accès Signaux**: ± 1kV (100kHz)	**OUI** **N.A** **N.A** Critère **A**
Ondes de choc CEI 61000-4-5	. **Alimentation AC:** 240Vac @50Hz ± 0.5 kV, ± 1 kV, ± 2 kV phase et Terre ± 0.5 kV, ± 1 kV entre phases . **Alimentation DC :** ± 0.5 kV, ± 1 kV, ± 2 kV phase et Terre ± 0.5 kV, ± 1 kV entre phases . **Accès Signaux**: ± 2kV	**OUI** **OUI** **N.A** **N.A** **N.A** Critère **A**
Perturbations RF Conduites CEI 61000-4-6	150kHz - 80MHz: 3V - AM 80%, à 1kHz, 1% Bande ISM Bande radioamateur . **Alimentation AC:** 240Vac @50Hz . **Alimentation DC** . **Accès couplés au patient** . **Accès Signaux**	☑ ☑ ☑ Critère **A** **OUI** **N.A** **N.A** **N.A**
Champ magnétique 50Hz CEI 61000-4-8	**Accès enveloppe:** Niveau : 30 A/m (50Hz)	**OUI** Critère **A**
Coupures et creux de tension d'alimentation CEI 61000-4-11	**Alimentation AC:** 240Vac @50Hz • 0 % U_T; 0,5 cycle à 0°, 45°, 90°, 135°, 180°, 225°, 270° et 315° • 0 % U_T; 1 cycle - Single phase: à 0° • 70 % U_T; 25 cycles - Single phase: à 0° • % U_T; 250 cycles	**OUI (Crit A)** **OUI (Crit A)** **OUI (Crit A)** **OUI (Crit C)**

Pour déclarer la conformité, il n'a pas été tenu compte de l'incertitude associée au résultat

Critère A : Pas de mouvements intempestifs
Critère B : A définir par le fabricant
Critère C - Perte d'aptitude admissible : Reset accepté (CEI 61000-4-11).

6.3. TECHNICAL SPECIFICATIONS

- General specifications:

Approximate net weight	250 kg *(without appliances or desk)*
Power supply	230 VAC / 50 Hz / 1500 VA
Tabletop	Electrically adjustable height from 71 to 96 cm with memory of the preferred height **Maximum load**[5] on tabletop: 90 kg (maximum load in position 1: 30kg / maximum load in positions 2 and 3: 45kg)
Phoropter	Phoropter on motorized arm (optional motorized tilt) The eye height of the phoropter is the same as that of the devices on the tabletop
Storage cabinet	Optional 3-drawer storage cabinet
Examination chair	Height electrically adjustable from the control panel (25cm travel) Maximum load: 200 kg / Patient size between 120 and 2m Available models: • FE2010 • FE3001 Options: • Antero-posterior adjustment • Rotation • Lift-up armrests • Footrest
Desk	Height adjustable electrically from 62 cm to 127 cm

[5] **WARNING:** If the maximum permissible weight on the tabletop is exceeded, there is a risk of damage to the device as well as a risk for the patient. It is important not to exceed this maximum load.

- Environmental conditions for transport and storage:

Temperature	5 to 50°C (32 to 122°F)
Humidity	10% to 90% *(without condensation)*
Atmospheric pressure	From 700 to 1060 hPa[6]
Maximum storage time	3 months

- Environmental conditions in use:

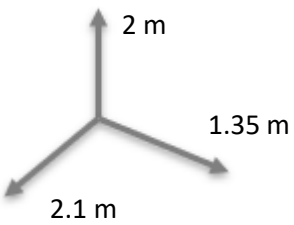
Temperature	10 to 30°C (32 to 122°F)
Humidity	30% to 75% *(without condensation)*
Atmospheric pressure	From 800 to 1060 hPa

Under these conditions of use and with appropriate checks and maintenance, the expected service life of the consultation unit is 10 years from installation.

6.4. DIMENSIONS

2-Instrument SYNETIC.

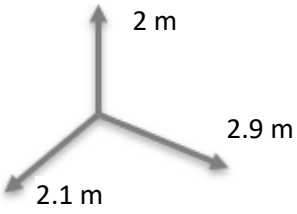
Unit only



[6] hPa: Hectopascal

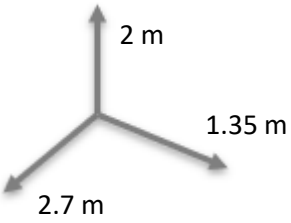
2-Instrument SYNETIC.

Unit with desk



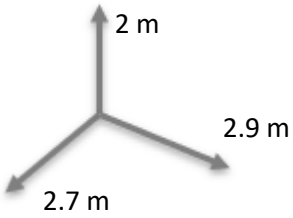
3-Instrument SYNETIC.

Unit only



3-Instrument SYNETIC.

Unit with desk



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