





USER MANUAL



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I. INTRODUCTION





The latest version of this user manual is available on a web space.

To access other available languages, please scan the QR code at the end of this user manual > Chapter QR code (p.32).

Essibox is a digital solution for centralizing optometry device data from a shop and extracting vital measurements for a better understanding of patient visual needs in order to optimize patient support and store flow.

Essibox consists of 2 patient pathways that can be activated separately or cumulatively:

- Essibox Premium Vision Care
- Essibox Myopia Care

Essibox Premium Vision Care

Essibox Premium Vision Care's patient pathway takes place in 6 steps.

· Step 1: Existing anamnesis and optical equipment

Identifies the patient's lifestyle and complaints about visual conditions and summarizes the characteristics of the patient's existing optical equipment

Step 2: Eye exam (screening)

Centralizes eye anterior chamber data from different optometry devices (cornea, lens, intraocular pressure)

• Step 3: Eye exam (refraction)

Centralizes objective and subjective refraction data and helps determine the patient's prescription

• Step 4: Recommendation of lens categories

Proposal of lens category characteristics to best meet the patient's needs, using a rules engine that takes into account the anamnesis, the characteristics of the patient's existing optical equipment and the centralized device data

Step 5: Fitting

Centralizes patient measurement data

• Step 6: Rendering and reporting

Summarizes the results and recommendations grouped in the Visual Passport, which the patient receive by email or as a printout.

Essibox Myopia Care

The Essibox Myopia Care module allows you to:

- · Achieve a unique journey for myopia patients,
- · Make recommendations to reduce myopia progression,
- Propose lens adapted to correcting it.

The Myopia patient journey takes place in 5 steps.

- Step 1: Anamnesis
 - Identifies the patient's family and behavioral risk factors
- Step 2: Eye exam (refraction)
 - Aggregates refraction data and axial length data from the patient's eye
- Step 3: Tracking

Tracking the evolution of the patient's refraction data and axial length

- Step 4: Prescription and Recommendation
 Proposing solutions (recommendation) and equipment for the patient
- Step 5: Rendering and reporting

The patient is given a myopia passport including his/her findings and future appointments

II. FIRST LOGIN





To access the application:

- 1 Log in to: www.essibox.com
 - > The following page appears:



- 2 Click on [Log In].
 - > The following page appears:

Bienven	
Connectez-vous à essibox p Essibox	our continuer vers
Adresse e-mail	
Mot de passe	٢
Not de passe oublié ?	
Continue	¢.

When you first log in, an additional window appears:

	•
Autho	rize App
В	⊇ es
HI biaso	td@essilor.fr,
Essicloud Front is re essibl	equesting access to your ex account.
Profile: access to	your profile and email
Current_user: real	id your current_user
Current_user_met current_user_met	etadata: update your adata
Decline	Accept

Click on [Accept].

- 3 Fill in the email address and password and click [Continue].
 - You can click [Forgot password] to reset the session password.

The eyecare professional's account can be created either:

- By Essilor
- By the optician



> The home page is then displayed.



III. SETTINGS



1. Language

You can change the language of the application by clicking 32 Settings > [General].



IV. HOME PAGE DESCRIPTION





The Essibox solution home page provides access to various features.

ESSIBOX		
	נר ש	
Create new patient	رد ع Import QR Code	Search

1. [Essibox]

Allows you to leave the current patient and return to the home screen to welcome a new patient.

2. [Settings]

Provides access to application settings.

3. [Log out]

Disconnects from the eyecare professional session.

[Create new patient]

Creates a patient record.

E.	
Patient Email	
Date of birth jj/mm/aaaa 🗮	Gender Select a gender
Practician email	

By clicking on [Add previous visit] it is possible to add the results of previous exams of the patient (refraction, prescription, axial length, etc.) to the database.

5. [Import QR Code]

Loads the data of a patient who has already come so you can view it or to create a new follow-up visit via the QR Code transmitted by email during a previous visit. This QR Code should be given to the eyecare professional at the time of his/her appointment.

In the case of a new patient, the QR Code will be transmitted to the previously configured email address.

6. [Search]

Searches the patient database.

Q First name or last name	jj/mm/aaaa	Ē



Once the patient record is created or the QR Code is scanned, the following page is displayed:

Profile	Informations	Anamnesta	Current equipment	Myopia anamnesis		
E Eye man		Patient information				
§ Myopia care		First name	Lastname			
, Lens		Electore	CHEN			
C recommendations		Emai				
l) Fitting		covaco@ext.essNor.com				
B Vision report		Date of hirth	Gender			
		01/04/2011	Femile V			

The button [Today] at the top right of the page allows you to access the history of visits and patient data. It is displayed by default on the current date, on the assumption that the patient is there for a new visit.

Patient information is arranged through 6 menus:

- 1. [Profil]: gathers patient profile information
- 2. [Eye exam]: centralizes eye exam data (refraction, cornea, lens, intraocular pressure., etc.)
- 3. [Myopia care]: centralizes the screens for tracking myopia progress and myopia solution recommendations
- 4. [Lens recommendations]: summarizes the prescription and provides recommendations for the lens category characteristics based on patient profile data, eye exam results and recommendations for myopia tracking
- 5. [Fitting]: centralizes measurement data
- 6. [Vision report]: summarizes all the detailed information in the previous menus in a format that can be delivered to the patient (e-mail, printout, etc.).

The visibility and accessibility of each of these menus, and their submenus, depend on the offer activated.

V. ESSIBOX PREMIUM VISION CARE PATHWAY





1. [Profil] menu

The menu [Profil] provides access to the patient information sheet and the data history (measurements, equipment, etc.) 4 submenus are available.

[Informations]

Displays basic patient information.

	Aconnesis	Current equipment	Myopia anaminesis
Eye kisam	Patient information		
Myopia care	First surve	Last name	
Lans	Margaux	Smith	
recommendations	Errud		
Fitting	unithm@gmail.com		
Vision report	Date of birth	Gendar	
	25/08/2013	Fimile V	

[Anamnesis]

Provides information on the patient's lifestyles and complaints of his/her visual conditions.

E Profile	Informations	Anamnesis	Current equipment	Myopia anamisesis			
🗄 Eye asem	Uye atrain when reading						
😢 Myopia care	Eye strain with digital devices Has eye strain in front of digital devices						
C Lens recommendations							
BÉ Fitting	Codeor glane Expenses outdoor glane or has difficulties with light transition						
Vision report	Department glass when driving at right						
	Outsion activities Has often outsion activities						
	Has artificial light disconfort by artificial indoor light						
	Vision accuracy to looking for greater vision accuracy						



[Current equipment]

Provides information on the patient's optical equipment.

		beformations	Secondaria .	Current employment	Manua anarrowsa
					-
1	Main equipment	O None	() Clear	O Phytadwarkes	
cere	250	-	O Standard single vision	O Single vision with Boost	O Prograssive
-	Design	 Unknown 	O Myopia covited spactacies	O Akd-distance	O H-Incal
		6	O Organic law < 1.55	O Polycarbonata	
	Material & index	(e) Unknown	Organic mut and high >+ 1.55	O Mitteral	
oport	2222.1	0.00	O Standard anti-reflective	O Due cut anti-reflective	
	Loating	(Unknown	Q Other	O Night drive anti-reflective	
	Complementary pair	O Nores	Sunglasses without correction	O Sunglusses with correction	O other

[Myopia anamnesis]

Summarizes all information that concerns only the patient's myopia (genetic factors, environment, etc.). Find the details of this screen in the section Essibox Myopia Care Pathway (p.23) - 1 - [Myopia anamnesis] This screen is specific for the Essibox Myopia Care pathway.

Each time you make a change, the information [Patient updated !] appears at the bottom of the screen.

Patient updated !

2. [Eye exam] menu

The [Eye exam] menu centralizes and displays the eye exam data. These measurements are imported via the eyecare professional's instruments.

5 submenus are accessible.



[Refraction]

Centralizes the eye exam data (equipment worn by the patient, objective and subjective refraction data, axial length, etc.). Using the buttons, the eyecare professional can:

- [Start exam]: Start a new exam for the day when a patient is loaded from the "Search & Retrieve" function.
- [Edit]: edit the review data and the proposed prescription.



> Clicking 🕤 duplicates the subjective refraction data in the data row [Prescription] to avoid re-entering the data.

	@ RI	GHT			0	LEFT	
Sph	Cyl	Axis	Add	Sph	Cyl	Axis	Add
Current equ	pment	94		Current equi	pment	110	
Objective re	fraction	98		Objective ref	fraction	120	
Subjective n	-0.57	0.01	0.25	Subjective re	0.75	0.01	0.25
Prescription	-0.57	104	0	Prescription	0.75	110	0
Axial length				Axial length			
		High diop High diopt Precise pre	o <mark>tric sensitivit</mark> ric sensitivity m escription shoul	y indicator < 0.2 neasured during su d be considered	25D bjective ret	fraction.	

Once the information has been edited, validate by clicking on [Done Editing] at the top right of the screen.

> Depending on the activated offer, an insert warning about the risk factor of a visual defect (myopia) or a visual feature (dioptric sensitivity) may be displayed depending on the values displayed.

Myopia alert insert	Dioptric sensitivity alert insert
Myopia status Pre myopia present including medium or high risk factors	High dioptric sensitivity indicator < 0.25D High dioptric sensitivity measured during subjective refraction. Precise prescription should be considered



With regard to the myopia insert, the Collaborative Longitudinal Evaluation of Ethnicity and Refractive Error (CLEERE) study by Zadnik has shown that eyes destined to become myopic exhibit an accelerated pattern of axial elongation several years before the appearance of myopia. In this study a near-emmetropia refraction in North American children was also found to be the best indicator for future myopia (the exact threshold varying with age).

[Accommodation]

Displays the accommodation effort measurements taken by the WAM.

The value obtained is compared with a normative table gathering together information on people of the same age group as the patient.

- > The standard is represented by hatching.
- It is then possible to determine the percentage involved in the accommodative effort (+/- 50%).
- > A simulation is then performed with a boost lens to increase the patient's range of comfortable vision.

Eleonore CHEN 01/04/2011 - 10 year old - Per	nale						Today 👻
E Profile	Refraction	Accommodation	Cor	nea	Crystalline lens		Intraocular pressure
🚊 Eye exam		Standard Single Vision					
[8] Myopia sare			Your measured performance				
Ø Lens recommendations		4					
減 Ritting		Single Vision With Bo Your	ost r vision performance with boost				
Vision report		<u>-</u>	i				
				묘			
					Normative pr for your age	erformance	
			Exam is irrelevant due Patient's age should be be	to patient's age enview 20 and 45 years o	ia l		

[Cornea]

Gathers all corneal data and provides a detailed mapping of the cornea.





[Crystalline lens]

Displays backlit images of the lens.

Profile	Refraction	Accommodation	Comee	Crystalline lens	Intracular pressure
Eyé exam					
		e Ro Picture's ory	t? taline	 49 LEFT Picture's crystalline 	
Myopia care					
Lens recommendations				Cold Constant	
Fitting				100	
Vision report					

[Intraocular pressure]

Displays pachymetry and tonometry data across multiple values. For pachymetry:

- Irido-corneal angles (temporal and nasal)
- · Corneal thickness at the center
- Kappa angle (angle between pupillary axis and gaze direction)

For tonometry:

- Intraocular pressure (IOP)
- Pachymetry-adjusted intraocular pressure (IOP)

	Refraction	Accommodation	Cornea	Crystalline tons	Intraocular pressure
Eye exam					
Ayopia care			Go HIGHT Temporal Central Roppia angle Traca	de LEFT Temporal Annia Central Kapasangie Hatal	
Lens			37 120 3 37.00	35 536 2 35.00	
Entres		Pachymetry			
Vision report					
		Tonometry Time: 5:30 PM	10P 10Ps	10P 0Pt	
			1200000 Diagnys 123		



The date and time displayed on the screen is when the data was imported into Essibox.



3. [Myopia care] menu

Find the details of this screen in the section Essibox Myopia Care Pathway (p.23) - 3 - Menu [Myopia care]

These screens are specific for the Essibox Myopia Care pathway.

4. [Lens recommendations] menu

The menu [Lens recommendations] summarizes the patient's prescription and provides recommendations for categories of lenses based on the different measurements performed, the anamnesis and the characteristics of the patient's existing optical equipment.

			RIGHT				UPT	
m ()	5211	C/L	A025	ADD	SPH	CIL.	Aons	ADD
C2/4	-2.55	-0.57	104	0	-4.53	0.25	110	0
Single Vision le Bicommandations	noes ce age is under 15							Û
Blue light filter You have actificial	with Anti-reflective coating light discerifiert							1
aport Polycarbonata i Recommended sit	material lenais ce age is ander 15							1
Optical persons Recommended an	Fzod perameters ox Kappa Angle is bigher that 4°							8
Photochromics Recommended air	lenses ce experience outdoor glave or had o	atticuities with light transi	694					â

It is then possible to:

- Delete a recommendation by clicking 💼.
 - > The following window is then displayed:



- > Click [Cancel] to cancel or click [Delete] to remove the recommendation.
- Add a recommendation by clicking
 - > The customizable field is in addition to the suggested recommendations.

ſ		
	New recommendation	
	Add a new recommendation	×

> When completed, click \checkmark to validate or click \times to cancel the addition of the recommendation.



5. [Fitting] menu

The menu [Fitting] centralizes the measurement data.

Epo mart	Far vision	HartPD	ep Recent Height	Erc Distance	Harro	е цит	Est Distance	ю	Head Cape
Myopia care		36	21	20.9	343	215	19.7	70.3	0
Lains recommendations	Dominant Eye			е пол				e 1877	
Fitting	ſ	1							
Milon report	Framo	Panto	acopic TH	Whe	Angle		A		DBL
			(A)					42	155

6. [Vision report] menu

The menu [Vision report] synthesizes all data associated with the eye exam:

• [Eye wellness]

Prescription Far vision:				
Date: 08/11/2021 OD: () * OS: () *				

• [Prescription]

Prescription			
Far vision: Date: 10/11/2021 OD: -2.55 (-0.57) 104° OS: -4.33 (0.75) 110°			

• [Lens recommendations]

Ler	s recommendations
•	Single Vision lenses Provide a class fisk of far vision, making sure vision is camfortable.
•	Blue light filter with Anti-reflective costing Reduce suffictions and manage the health of year over year harmful blue violat light protection.
	Polycarbonate material lenses A lers with an high impact resistance and lighter than standard lesses, very hard to break, providing better protection, particularly for children.
	Optical personalized parameters A righ detrivion lens created specificity for your vision needs, improving lens performance for any gaze direction
	Photochromics lenses Inteligent lenses to addept services/y to any changing light for an active lifestyle indexisuation
	Polarized Lenses Powde the test statection in the sun introving contrast sensitivity and elimitating blanding reflective gives to you can see the outside world with charge colour and greater depth.

• [Conclusion]



Take an appoir

You can schedule a future appointment by clicking the button [Take an appointment] [Take an appointment].

With the button [Send QR Code by email] at the top of the page, the eyecare professional can send the QR Code to the patient.

Aargaux Smith 25082013 - 8 year old - 1	ernale		Today
E Profile			SEND OR CODE BY EMAIL
III Eye asan	Eye wellness		
(II) Hyropia care	🔮 Exam done		
D Lens recommendations		© Crystalene	
Vision report		© Cornes	
	Details		Further investigation details
	Cornea		
	Crystalline lans		
	Eye pressure		~

> The patient will then receive the QR Code in his/her email inbox.



VI. ESSIBOX MYOPIA CARE PATHWAY





The Myopia Care pathway is, as its name indicates, entirely dedicated to myopia. The format is as follows:

1. [Profil] menu

1 - [Myopia anamnesis]

Summarizes all information that concerns only the patient's myopia (genetic factors, environment, etc.).

		Informations	Anaméess		Current equipment	Myopia anaminesia	
ye exam Iyopia care	Normative table	O Asian		European			
ens sconmendations	Family history of myopia	O No parenta myope.		One parent myopic		O Soto treventa unicolac	
tting leion report	Life environment	(e) Urban		O Rural			
	Time spent outside per day	O Less than 1.5 bours / day		O 15to25hours/day		More than 2.5 hours / day	
	Time spent on near vision per day in addition to school hours	 Less than 2 hours / day 		O Ito∃neuri/day		O More than 3 hours / day	

2. [Eye exam] menu

2 - [Refraction]

Centralizes the eye exam data (equipment worn by the patient, objective and subjective refraction data, axial length, etc.). With the button [Edit] at the top right of the screen, the eyecare professional can modify the test data and the proposed prescription.



> Clicking 🕤 duplicates the subjective refraction data to avoid re-entering data.



DONE EDITING EXPORT PRINT



Once the information has been edited, validate by clicking on [Done Editing] at the top right of the screen. > An insert warning of the myopia risk factor may appear depending on the values displayed.



3. [Myopia care] menu

3 - Menu [Myopia care]

Displays outcomes based on the specifics of the patient's myopia.

3 submenus are accessible.

[Equivalent sphere analysis]

Tracks the progress of the equivalent sphere over time with the possibility of comparing the patient's data with those of studies carried out in Europe and Asia.

exam		Equivalent sphere analysis				Axial length analysis					
2		RIGHT			1		LEF	т			
pia care a			_		÷ !						
and a											
mendelans					1 - 1 - 1						
					-4						
1	3	18 Age (%	01 (1944)	12	13 &		10	11 CYRINII	12		
contract.			- Myopia on	set threshold	io myopia present 🛛 📰 Pre-r	nvopia possible 👘 🗖	Locia orneast				



[Axial length analysis]

Tracks the axial length over time. By clicking on:

• [Zoom in]: option of zooming in on the patient's available data page.

rome	Equivalent sphere analysis	Axial length analysis	Myopia pamport	
yo exam		Zoom in Zoom out		
tytgia care	REGHT	20	LEFT	
eus 25		8		
2 2		1 22		
alon report 13	a an	1 10	a an Inc.	
	2 50 50 50			
	This chart has been to alt with statut from Tideman (WL, Poling IR, Vingerlin	ig 30, at al. Asial length growth and the risk of developing registra in Europian ch	Rhess Acts Op/Malwol 2020;96(1):301-308 ato 201111/ass 13603	

• [Zoom out]: option of displaying all data from 0 to 15 years.

B Margaux 9 2505/2013 - 8 y	Smith ear old - Female																				1	Today	~
🗄 Profile		Cigal-valent ophare analysis							Avial length analysis							Myopia passport							
😰 Eye exam										20	om in	Zeam ou											
(E) Myopia care	27					RIGHT						27						UPT					
Ø Lens recommendations	25 12 25 24				-							28 25 8 24 23						_		_			_
M Filling	22 22 22 22 22 22									_		D N Z											
E Vision report	20		10		a	0	14	15		ú		29						11		15	11		
				The the	r they have to	Age (Verrei 90 90 90 90 90 90 90 90 90 90 90 90 90 9	Tidaras (W	Poling JV, Ve	gering IP, et al	And largh g	owth and it	u tak zi deosi	the the second	n Sungeen ch	lànn Acta	a Oprohamo	s polasies	Age (Norr)	IIIIme I	9963			

Pablo Sanz Diez established the Asian normative basis by taking into account the measurements taken of school-age children in central China (Wuhan).

Jan Willem Lodewijk Tideman established the European normative basis by taking into account measurements taken of school-age children in Europe.



[Myopia passport]

Allows you to:

- Choose solutions to control myopia progression through the [Control Option] panel.
- Provide lifestyle recommendations to minimize myopia progression through the [Lifestyle recommendation] panel.

Profile	Equivalent sphere analysis	Asial largth analysis	Нуо	pia pasaport	
Eye exam	Prescription	Graphs		SEND BY ENAN	L PR
Monnia care	00:-356 (-0.57) 104*	27			
	08-433 (0.7%) 110*	2 25			-
Lens recommendations	Control options	5 24			
	Hyopia Control Spectacles	197 22 21			_
ana g	Atropine	20			
Valor report	Critis-K	E 9 1	10 11 12 13 14 Jape (Years)	15 16 17	
	Contact lenses	0			
	Lifestyle recommendation	g 25			-
	Minimum dially outdoor activity of 2 beam				
	Reduce reading time	1			-
	Beduce time and increase distance while makes with tablet chose and cores for	20			

This information can be sent directly by email by clicking on the button [Send by email] or printed out by clicking on the [Print] button.



VII. TROUBLESHOOTING





This section is not applicable at this time.

VIII. GENERAL INFORMATION





1. Intended use

a. Objective

Essibox Myopia Suite is a software package designed to be used as a myopia management communication tool between a family of patients and eyecare professionals. The Essibox Myopia Suite collects and transfers objective refraction, subjective refraction and axial length measurement data and public data on these ophthalmic settings.

b. Intended population

Any adult or child between 5 and 25 years.

c. Intended users

This device is intended for the exclusive use of eyecare professionals.

Eyecare professionals include ophthalmologists, orthoptists, optometrists, opticians and staff working for them

IX. QR CODE





provided for free. Image: The complete user manual is available on a web space. To access it, please scan the QR code below using a dedicated application. Image: Le manuel utilisateur complet est disponible sur un espace web. Pour y accéder veuillez scanner le QR code ci-dessous à l'aide d'une application dédiée.

The latest version of the user manual in the appropriate language is available on a website. Upon request, a paper version can be



Die vollständige Bedienungsanleitung ist auf einem Speicherplatz verfügbar: Für den Zugriff darauf scannen Sie bitte untenstehenden QR-Code mittels einer dafür vorgesehenen Anwendung.



O manual do usuário completo está disponível na área web do cliente. Para acessar, escaneie o código QR abaixo usando o aplicativo respectivo.



Пълното ръководство за потребителя е достъпно на уеб пространство. За достъп, моля, сканирайте QR кода по-долу с помощта на специално предназначено приложение.



Potpuni korisnički priručnik dostupan je na webu. Da biste mu pristupili, skenirajte QR-kod u nastavku namjenskom aplikacijom.



Den komplette brugermanual findes på et websted. Du får adgang til den ved at scanne QR-koden nedenfor ved hjælp af en dertil beregnet applikation.



El manual de uso completo está disponible en la web. Para acceder, escanee el código QR que se encuentra a continuación con la ayuda de una aplicación.



Täielik kasutusjuhend on saadaval veebis. Juurdepääsuks palun skannige allolevat QR-koodi, kasutades selleks spetsiaalset rakendust.



Täydellinen käyttöohje on käytettävissä verkossa. Avaa käyttöohje skannaamalla QR-koodi asianmukaisella sovelluksella.



Το πλήρες εγχειρίδιο χρήσης διατίθεται σε έναν ιστοχώρο. Για να μεταβείτε σε αυτόν, σαρώστε τον παρακάτω κωδικό QR μέσω μιας ειδικής εφαρμογής.



A teljes használati útmutató megtalálható a webes felületen. A hozzáféréshez, kérjük, olvassa le a lenti QR-kódot a megfelelő alkalmazás használatával.



Il manuale utente completo è disponibile su uno spazio Web. Per accedervi, scansionare il codice QR seguente mediante un'applicazione dedicata.



Pilnā lietotāja instrukcija ir pieejama tīmeklī. Lai tai piekļūtu, lūdzu, noskenējiet tālāk redzamo QR kodu, izmantojot tam paredzētu lietojumprogrammu.



Den komplette brukerhåndboken er tilgjengelig på et webområde. For å få tilgang, må du skanne QR-koden nedenfor ved hjelp av en dedikert applikasjon.



De volledige gebruikershandleiding is beschikbaar op een website. U kunt de handleiding bereiken door de QR-code hiemaast te scannen met een geschikte applicatie.





O manual do utilizador completo está disponível num espaço web. Para aceder, queira digitalizar o QR code seguinte com a ajuda de uma aplicação dedicada.



Celá uživatelská příručka je k dispozici na webu. Pro přístup k ní oskenujte níže uvedený QR kód pomocí specializované aplikace.







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