



## USER GUIDE

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Raypicker Vision software  
Borea Connect



Version 1.0.5 - 08.2023  
Ref. UG.RPV.BC.EN.1.0.5

## **RAYPLICKER VISION & BOREA CONNECT USER GUIDE**

Document version 1.0.5  
Ref. UG.RPV.BC.EN.1.0.5 / date 08.2023

Compatible with Rayplicker Vision software version 1.7.1  
and Borea connect version 1.4.0

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# 1. ABOUT THIS USER GUIDE

## 1.1. Dear customers

You are now equipped with the Rayplicker Vision software, congratulations.

This collaborative tool was created to simplify communication between dental surgeons and dental laboratories, with the common and constant objective of patient satisfaction.

Rayplicker Vision handles multiple digital workflows, including the shade taking process using the Rayplicker spectrophotometers; sending and receiving the order (via the Borea Connect); as well as other processes through useful and varied features.

Precise and ergonomic, the Rayplicker solution also comes with the "Pics App Solution" application which will allow you to add patient photos to your order form, which are essential for the proper production of a prosthesis.

In order to make the best use of your shade analyzer and to optimize your digital workflow, please read this user manual carefully.

Forget approximate measurements and gain in efficiency and performance with the Rayplicker solution.

Borea team.



## 1.2. Licenses, trademarks and other rights

Your software is protected by a license agreement and may be used only in accordance with the terms of that agreement. Copying or using this software in any other way, except as permitted by the license agreement, is illegal.

Some of the products and accessories mentioned in this manual may not be available in all countries. Contact the manufacturer for additional information.

### **Trade names and trademarks:**

Borea, Rayplicker Vision, Rayplicker Handy, Rayplicker Cobra and Borea Connect are registered trademarks of Borea. All other brands and logos mentioned in this document are trademarks, registered trademarks or logos of their respective owners.

### **Copyright:**

The partial or complete reproduction or distribution of Borea documents is authorized only with the written consent of Borea.

### **Data protection:**

In order to protect the data of users of the Rayplicker Vision software, Borea has implemented several security mechanisms:

- Data encryption during storage and transfer via Internet/Cloud.
- Archiving/export system to save patient data.
- Anonymization function on request to ensure the protection of patient privacy.

## 1.3. Software purpose and users

### **Software purpose:**

Rayplicker Vision is a free access software allowing the recovery, analysis and transmission of shade acquisitions obtained with a Rayplicker Handy or Rayplicker Cobra device.

### **Indication:**

This software and its Borea connect platform are used to analyze and transmit the colorimetric and translucency characteristics of a referent tooth in order to produce a dental prosthesis that will integrate itself naturally into the patient's mouth.

### **Benefit:**

By respecting the user protocol indicated in this manual, this software makes it possible to obtain a prosthesis that conforms aesthetically (shade and translucency) to the reference tooth analyzed for natural integration in the mouth and meets the aesthetic requirements of the patient.

### **Patients:**

This software is intended for prosthetic and aesthetic treatments on the following patients:

- Patient of all age.
- Patient requiring a prosthesis for dental care related to:
  - The loss and/or extraction of a tooth. A single missing tooth can cause several dental problems: gum or aesthetic problems, migration or premature wear of other teeth, digestive disorders due to insufficient chewing, etc.
  - Very damaged teeth: in particular when the tooth or teeth are too damaged or dilapidated due to dental caries, or when the tooth had to be devitalised.

**Users:**

The Rayplicker vision software and the Borea Connect are used only by the dental surgeon or by the dental technicians.

No training is required to use the Rayplicker vision software.

The installation as well as the proper use of the Rayplicker is the responsibility of the user. For this, Borea provides the necessary information on the basis of the Quickstart as well as the user guide.

## 1.4. Disclaimer

Rayplicker Vision software is designed to be used by people with appropriate and necessary knowledge in the field of dentistry and dental technology.

The user of Rayplicker Vision software is solely responsible for the accuracy, completeness and adequacy of all data entered into this software.

Rayplicker products should be used in accordance with the accompanying instructions. Improper use or handling of Rayplicker products will void their warranty provided, if any. If you need additional information on the proper use of Rayplicker products, we invite you to contact your local distributor, or the manufacturer. The user is not authorized to modify Rayplicker products.

In the event of non-compliance with good usage practices, the residual risks impacting or likely to impact the patient are:

- Placement of a crown with a non-conform shade.
- Increased time needed to order the prosthesis.



Please backup your data at regular intervals. It is the user's responsibility to make and maintain backups to prevent data loss due to system crash or hardware failure.

At the same time, Borea recommend:

- To export an order from Borea Connect in the following 30 days after it has been sent / received, before automatic definitive deletion.
- We recommend that the laboratories recover the orders received on their Borea connect account in the Rayplicker Vision software. This operation backs up the data locally on the computer.

## 2. RAYPLICKER VISION REGISTRATION AND PREVIEW

### 2.1. System requirements



Configuration	Minimum	Recommended
Windows® operating system	Windows 7 64-bit	Windows 10 64-bit
Processor :	Intel Core i5	Intel Core i7
RAM :	4 Go	8 Go
Hard disk:	SSD 500 Go	SSD 500 Go
USB port :	USB 2.0 x 1	USB 2.0 x 1
Screen resolution:	1080 p	1920 x 1080 p
Internet:	High speed connection	High speed connection

Using Rayplicker Vision software on a computer with insufficient minimum system requirements may result in the inability to use the software.

The Rayplicker Vision software is currently only available for Windows. If your operating system is lower than windows 7, the installation of the Rayplicker Vision software is not possible. The same is true for Mac computer users.

A previous version of the Rayplicker software is however available for download on the Borea website.

This previous version, «Rayplicker software 1.201» works with the Rayplicker Handy as well as the mobile application «Rayplicker Pics App solution». It is however incompatible with Rayplicker Cobra and the Borea Connect but it integrates its own communication platform.

For more information, please contact your distributor or Borea.

**Optional software:** Supremo, TeamViewer, Anydesk, allowing remote technical assistance, as well as a PDF file reader to read order form or archives.

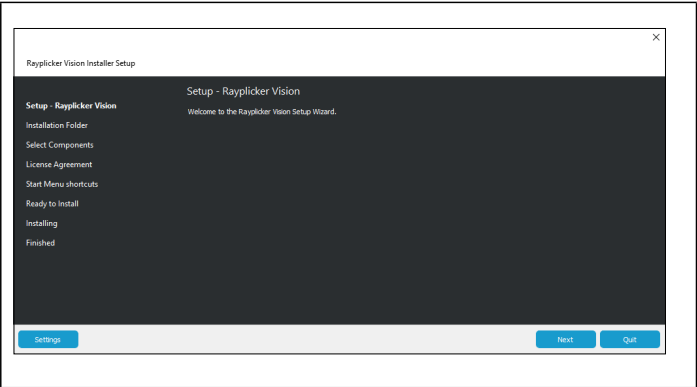
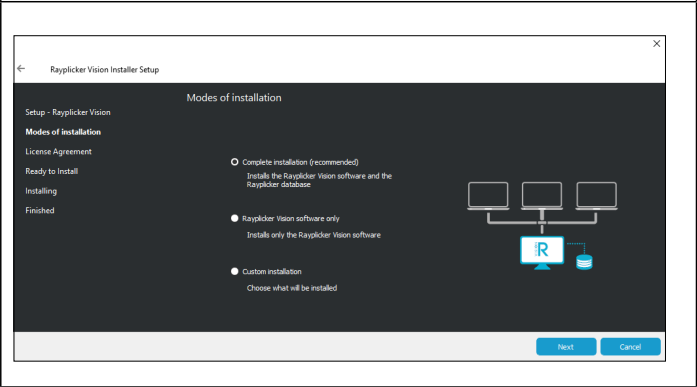
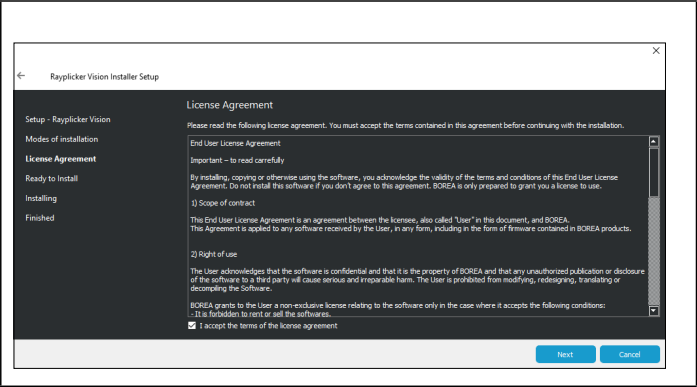
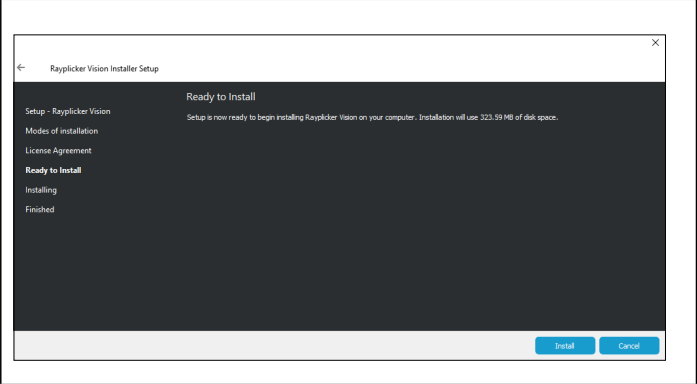
## 2.2. Installing the Rayplicker Vision

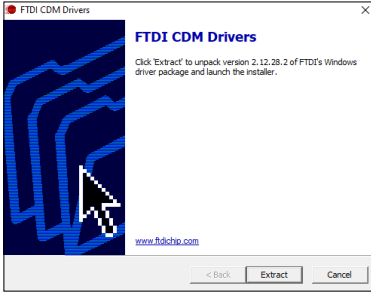
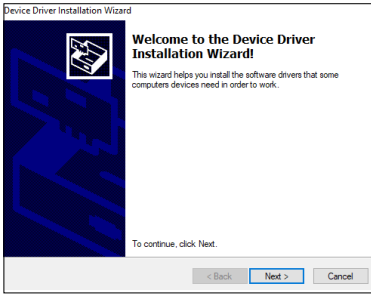
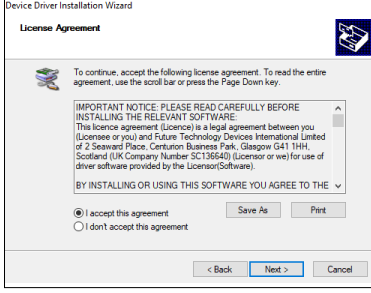
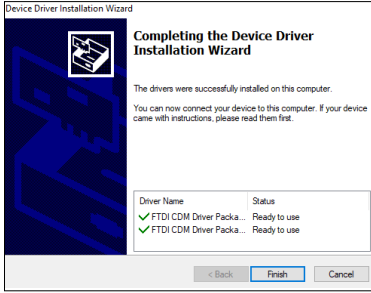
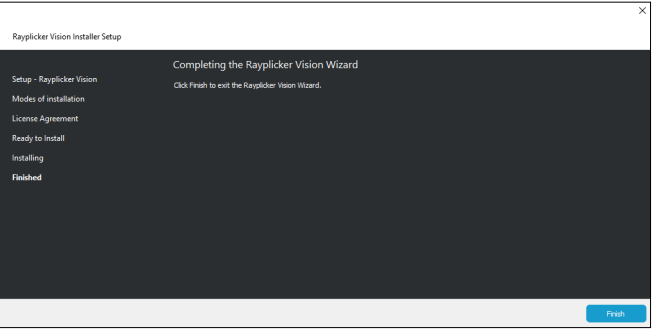
### 2.2.1. Software Download and installation

After verifying that the system requirements are compatible with your hardware, download the Vision software from <https://borea-dental.com/products/rayplicker-vision/>

2.2.2. Standard installation

A standard installation allows the use of the Raypicker vision software on a single workstation. In this configuration, the database is installed directly on the computer. The data will therefore be stored on its hard drive.

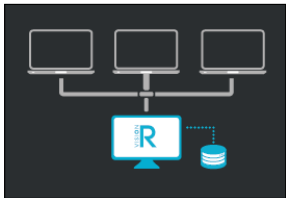
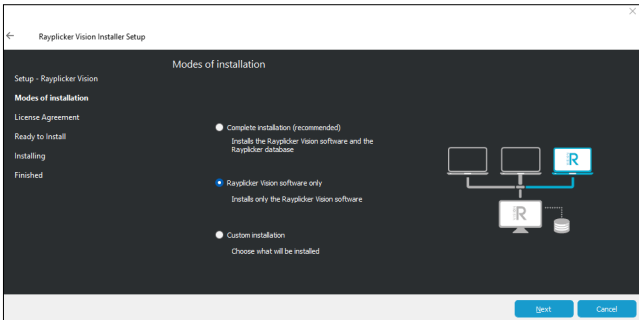
	<p>Double-click on the "Raypicker_vision_installer" file to begin installing the software.</p> <p>Click on «NEXT».</p>
	<p>Select the desired installation mode.</p> <ul style="list-style-type: none"><li>• Complete installation : installation of the software and the database. Choose this type of installation for installation on a single computer.</li><li>• Installation of the Raypicker software alone.</li><li>• Custom installation.</li></ul> <p>Follow the instructions on the various screens. Click on «FINISH» to complete the installation.</p>
	<p>Read and accept the terms of the license agreement and click on «NEXT».</p>
	<p>Ready for installation: click on "INSTALL".</p>

	Extract the FTDI CDM drivers.
	Click on “NEXT”.
	Accept the conditions and click on “NEXT”.
	Click on «FINISH» to finalize the installation of the drivers.
	Click on “FINISH” to finalize the installation of the Rayplicker Vision software.


### 2.2.3. Installation in a server mode

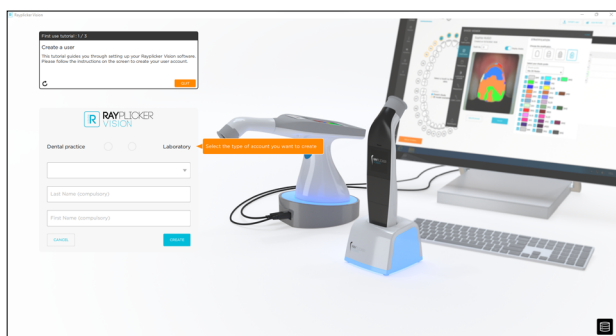
An installation in server mode allows the use of the Rayplicker vision software on several computers. For this the computers must be connected to the same network. In this configuration, the database is to be installed on one of the computers or on a server. This installation will allow access to data from different computer stations.

For this configuration to work, if the database has been installed on a computer, you must ensure that the computer containing the database is switched on and connected to the network.

<p>COMPUTER 1 (with the database)</p> 	<p>On the computer 1, the one with the database, follow instruction of point <a href="#">«2.2.2. Standard installation, page 3»</a></p>
<p>COMPUTER 2 (Software only)</p> 	<p>On the computer 2, while doing the installation, select «Rayplicker Vision only».</p>

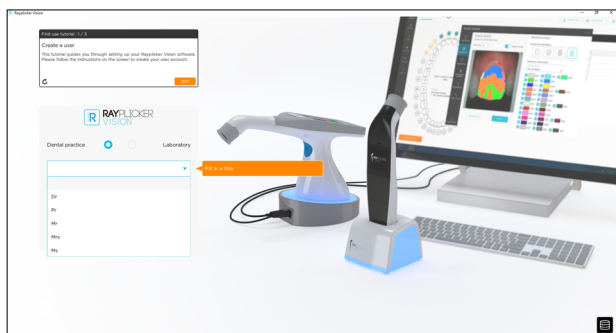
### 2.2.4. Account creation

	<p>Click on the server of your choice.</p> <p>In the case of a standard installation, only one choice is available.</p>
---	---

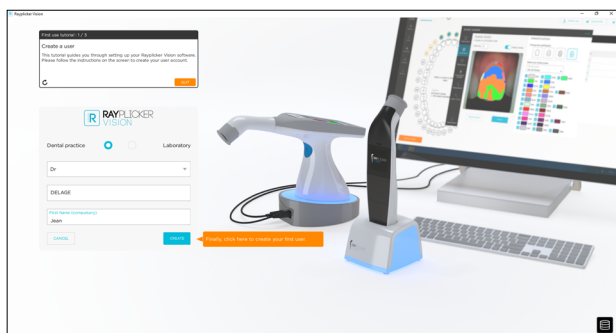


First choose between a dentist account (allows to send files to a laboratory) and a laboratory account (Allows to receive files from a practice).

Follow the steps of the on-screen interactive tutorial in orange.



Enter the requested information (title, first name, last name)



Click on «CREATE» to finalize the creation of the user profile.



Once this information has been completed, a welcome window is displayed.

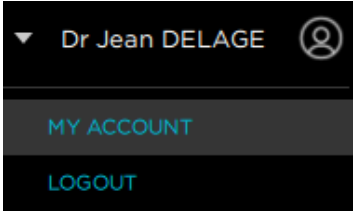
Click on a user to open the work session.

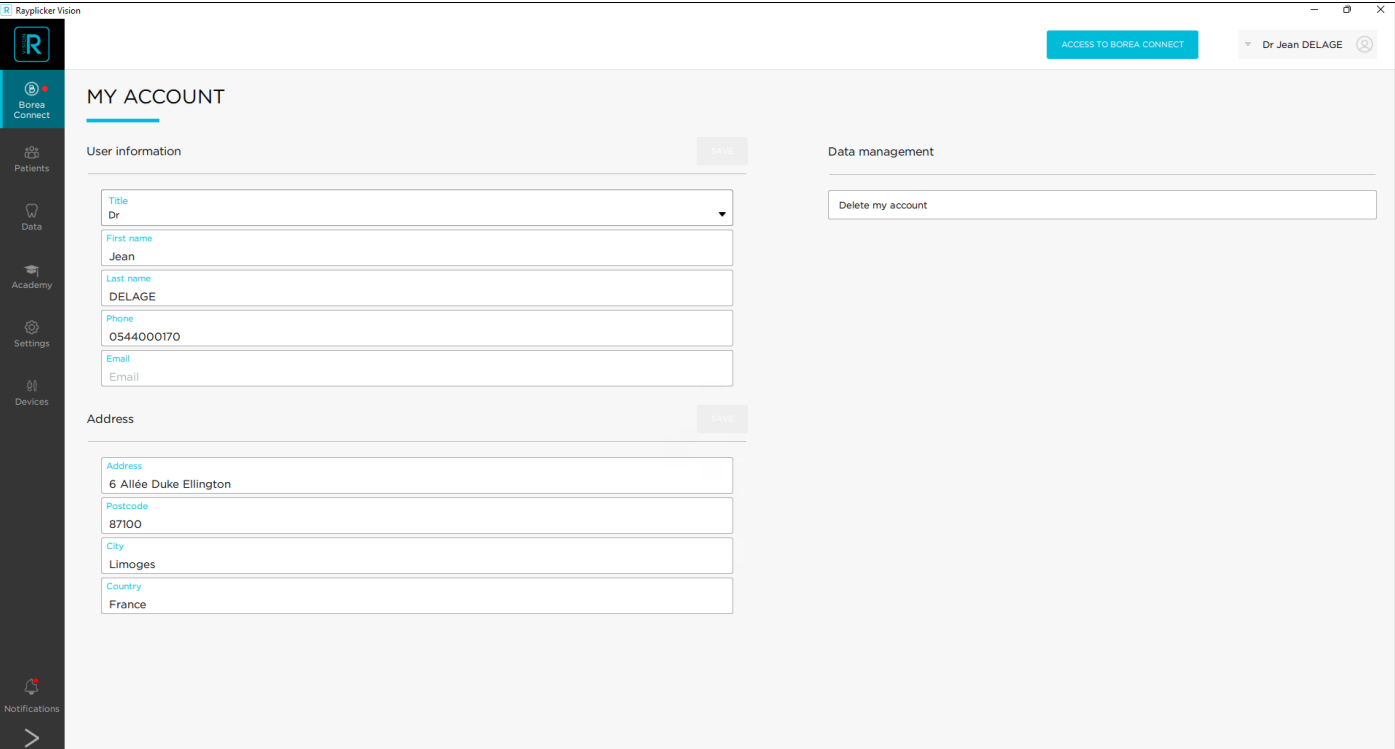
Click on “ADD USER” to create a new user.



2.3. Settings

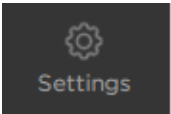
2.3.1. User account

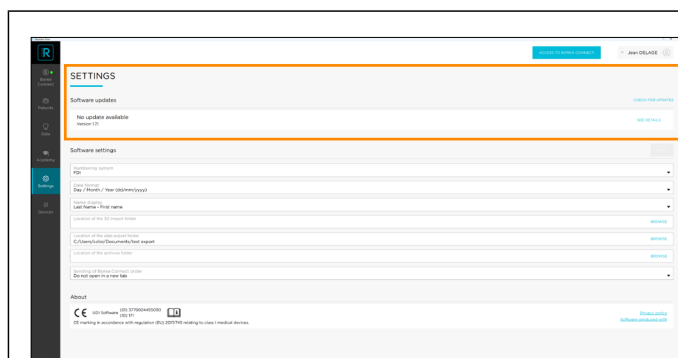
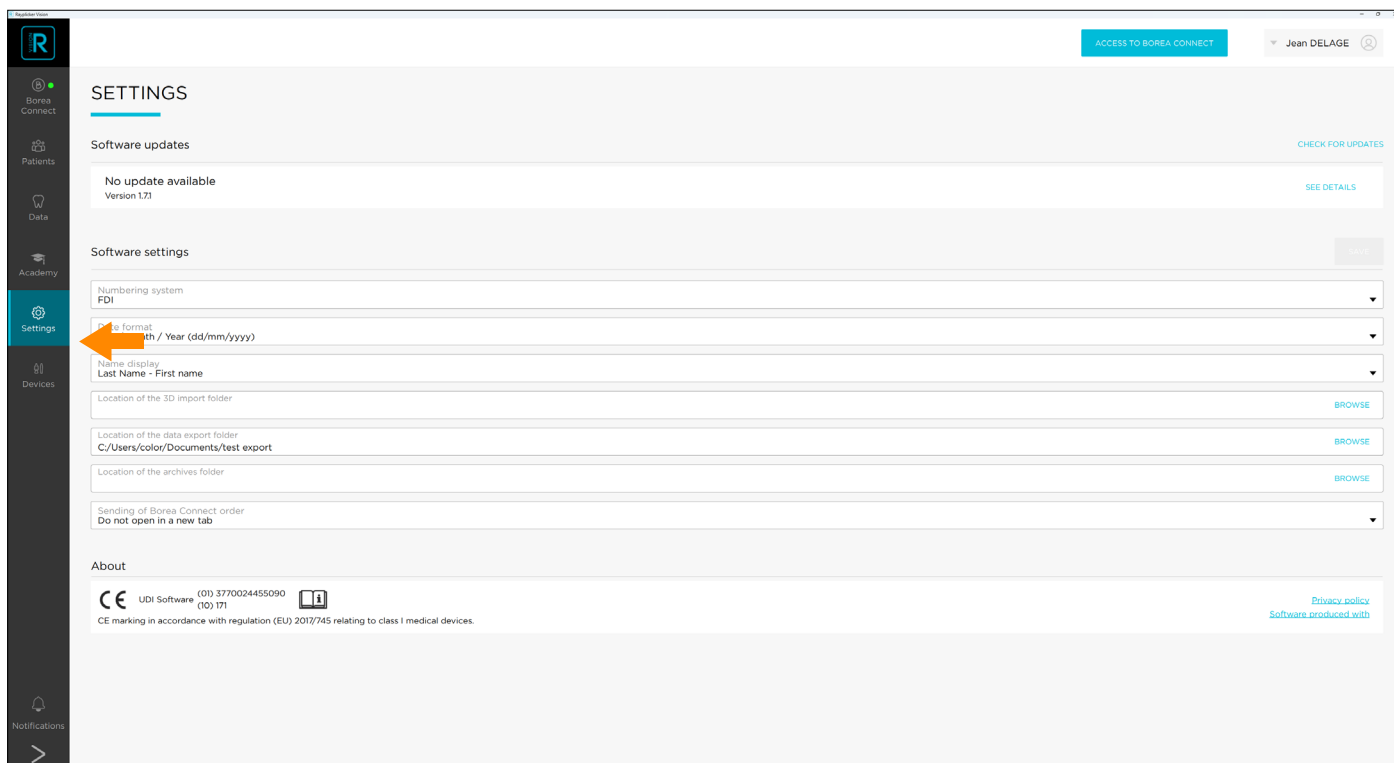
	Finish setting up the account by clicking on the user name at the top right, then “MY ACCOUNT”.
---	---



Here is personal information such as the dental practice email address or postal address. This information will be indicated on the pdf reports generated from the Rayplicker Vision software. From this interface, it is also possible to delete the account and data.

2.3.2. Software parameters

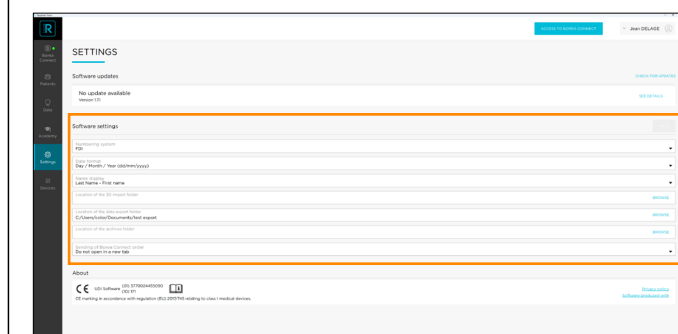
	Other parameters are accessible via the toolbar on the left of the screen, by clicking on the «SETTINGS» icon.
---	--



If a Vision software update is available, it is listed under Software Update.

Click on [CHECK FOR UPDATES](#) to show pending updates.

Click on [SEE DETAILS](#) to know the content, and on «UPDATE» to download it.

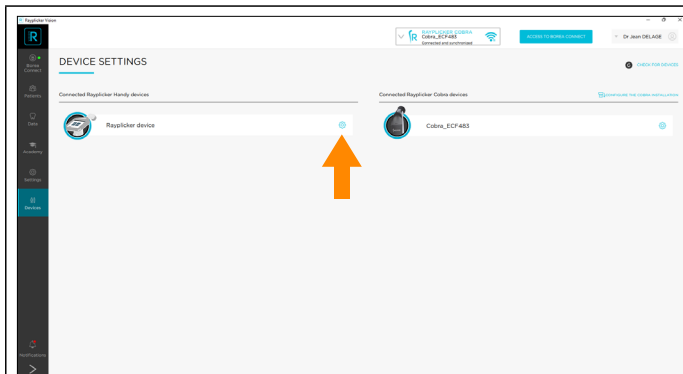


«Software settings» allow modification of the software parameters:

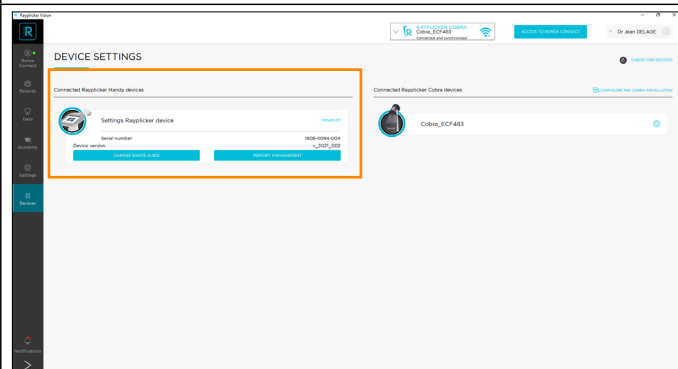
- The tooth numbering system.
- The date format.
- Name display.
- The location of 3D import folder.
- The import and export files target folders.
- Location of the archives folder.

## 2.3.3. Device settings

### 2.3.3.1 Rayplicker Handy settings

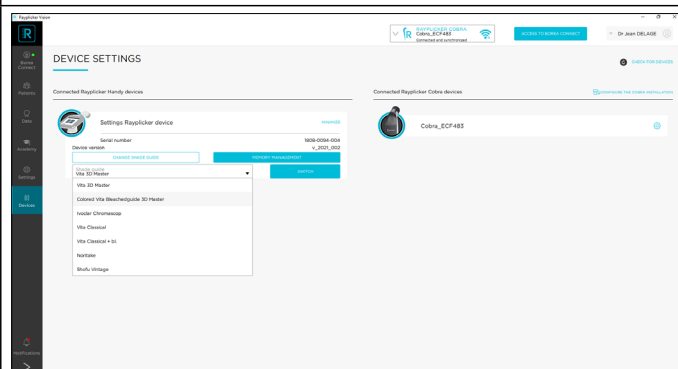


From this interface, you can see the connected devices and manage their settings. Click on the settings icon to open the device settings management window.

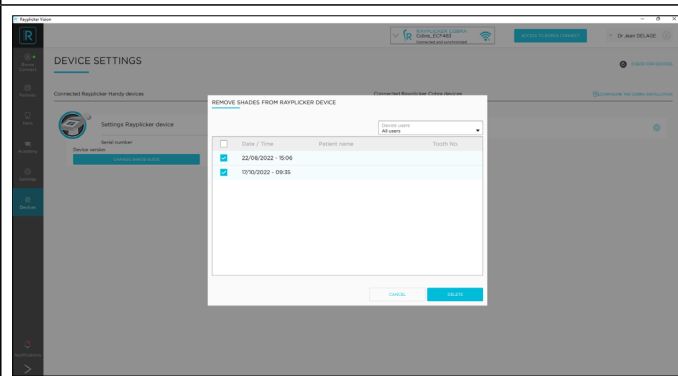


In the upper left part are indicated the connected Rayplicker Handy devices.

From this interface, configuration of the connected unit reference shade guide and unit memory management is available.

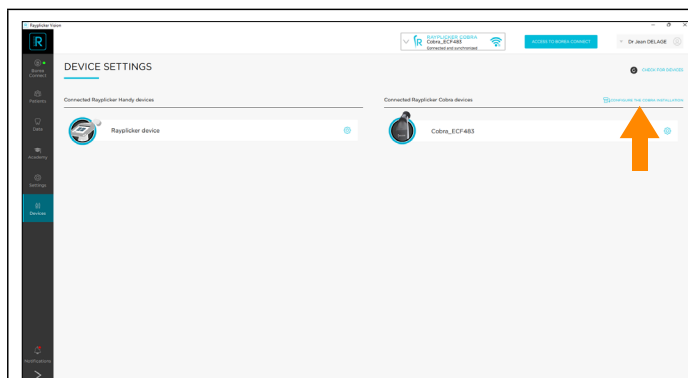


By clicking on «CHANGE SHADE GUIDE» it opens a shade guide library. Select the shade guide of your choice and click on «SWITCH» to finalize the Rayplicker Handy configuration. The device turns off automatically and the shade guide is configured.

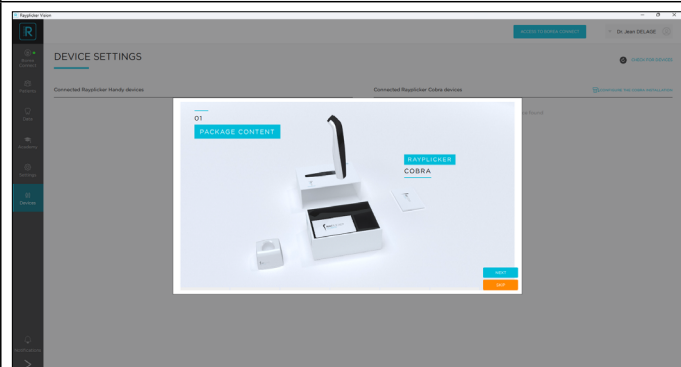


By clicking on «MEMORY MANAGEMENT» it opens a new window with all files registered on the device memory. Select the files that need to be deleted and click on «DELETE»

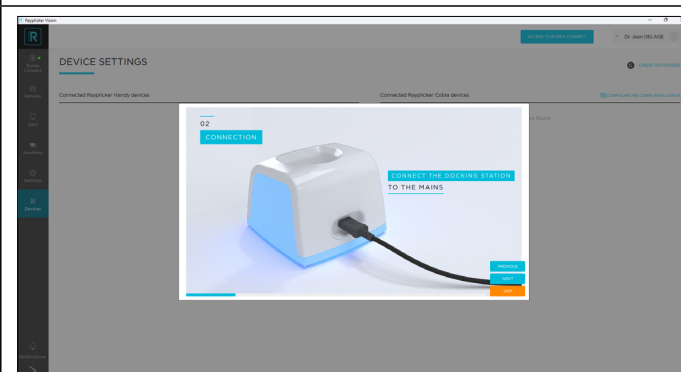
## 2.3.3.2 Rayplicker Cobra wifi configuration



Click on «CONFIGURE THE COBRA INSTALLATION» to launch a video tutorial to perform the wifi pairing of the Cobra.



Step 1: Description of the package content.



Step 2: Indication for recharging the Cobra battery.



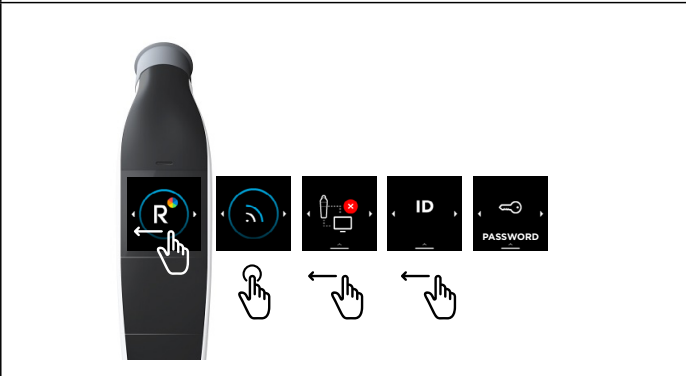
Step 3: Connect the wifi dongle to the computer by usb.



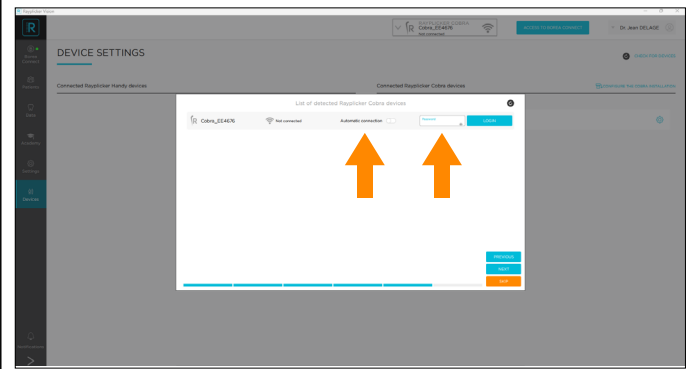
Step 4: Turn on the Cobra device by pressing 2 seconds the trigger.



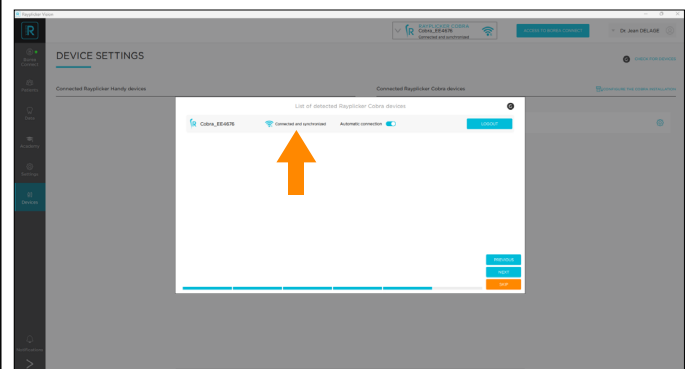
Step 5: Search for the wifi password on the «wifi menu» of the Cobra by following the steps indicated just below and click on next.



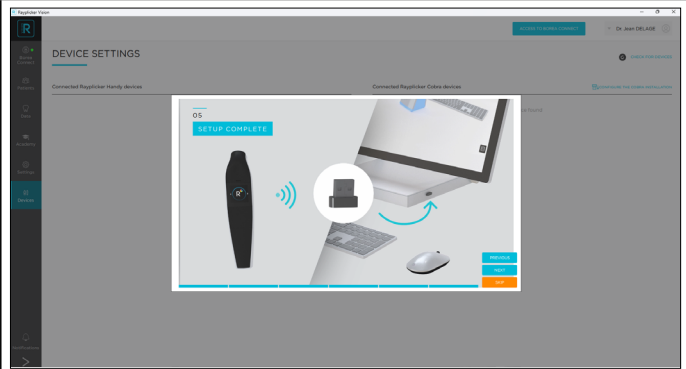
Follow this sequence to access the password.



The Cobra device must be detected.  
Enter the password the password field.  
For automatic connection the next time the device is turned on. Specify, automatic connection.

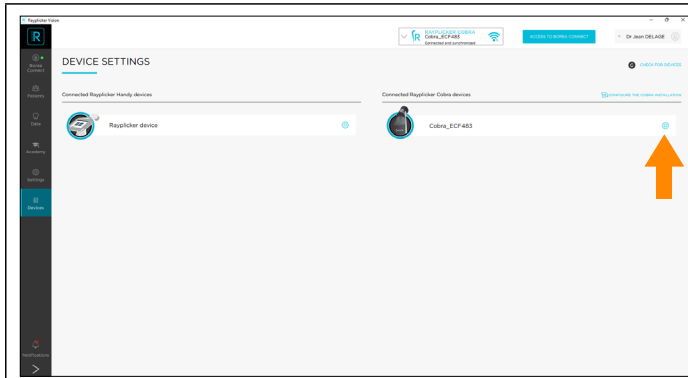


When the configuration is successful, the device status changes and indicates connected and synchronized.

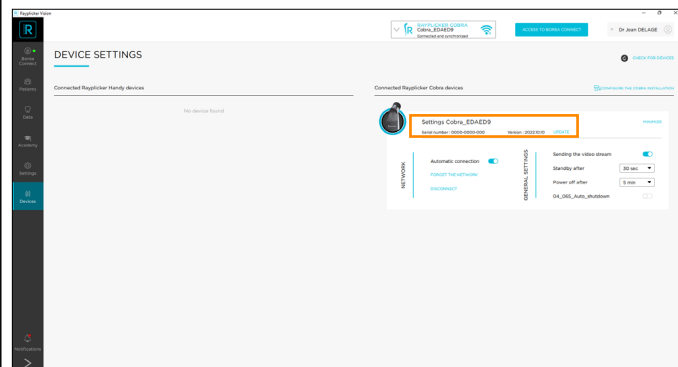


Step 6: Setup complete.

### 2.3.3.3 Rayplicker Cobra settings

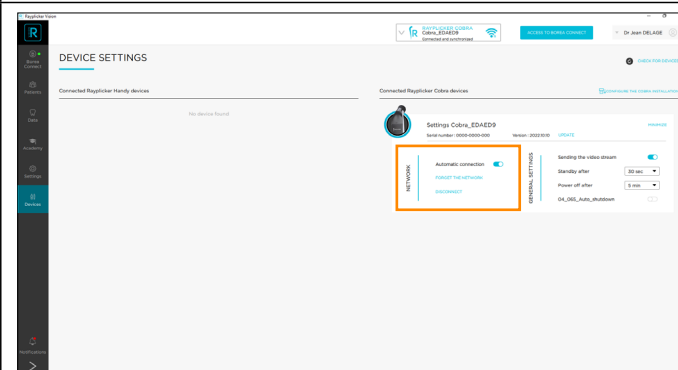


From this interface, you can see the connected devices and manage their settings. Click on the settings icon to open the device settings management window.



This interface indicates the device serial number, the embedded software version and if an update is available for the Rayplicker Cobra device.

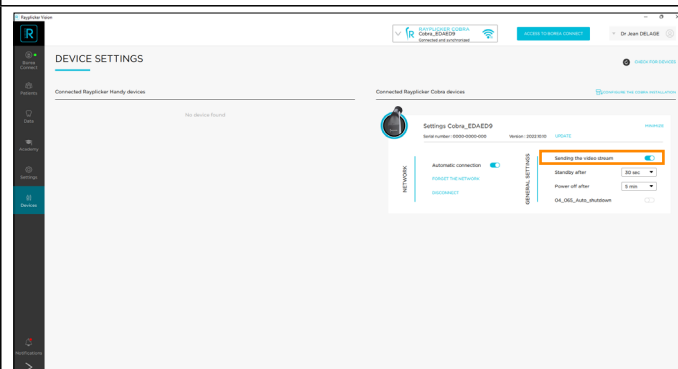
If an update is available, click on «UPDATE» to launch the device update.



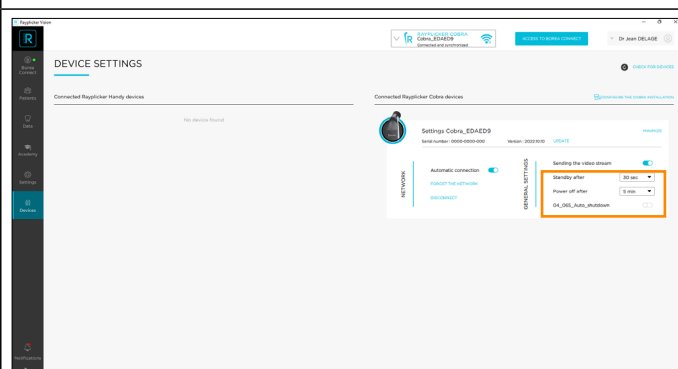
In the «NETWORK» interface, you can specify if the connection to this device must be automatic or no.

«FORGET THE NETWORK» will then require to re-enter the device password for connection.

«DISCONNECT» will disconnect the device.

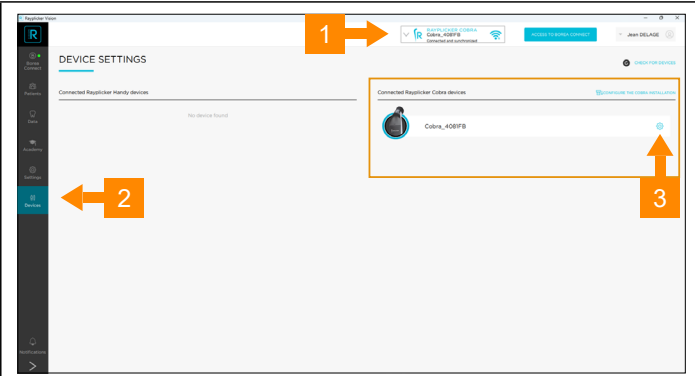


In the «GENERAL SETTINGS» You can specify here if the window with the video stream must be visible on the computer screen or not. If the option is disabled, the video stream will be only visible on the Rayplicker Cobra screen.

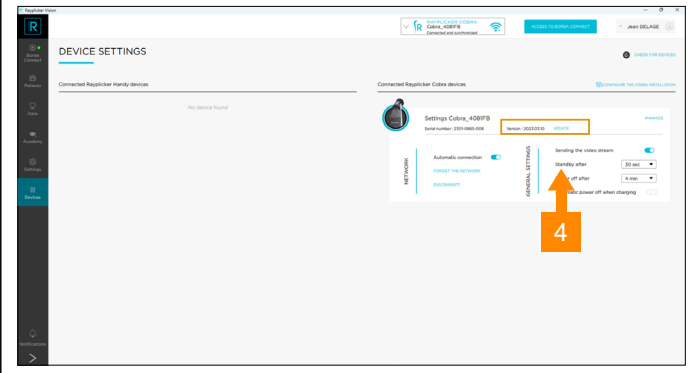


In the «GENERAL SETTINGS» You can specify standby and power off delay. Also the automatic shutdown can be configured. If activated, the device will automatically turns off after placing it on the connected docking station.

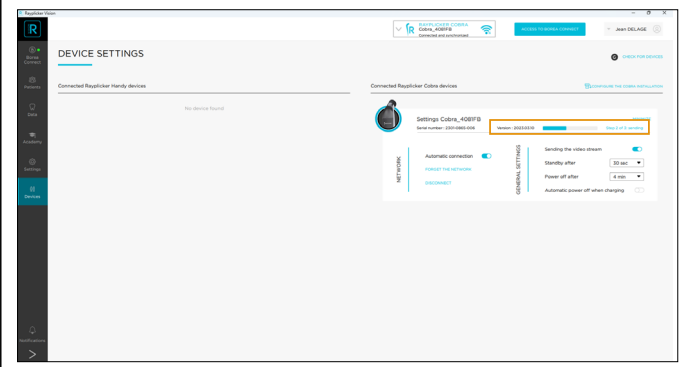
2.3.3.4 Rayplicker Cobra update



- 1 - Check that your Rayplicker Cobra is connected and synchronized
- 2 - Click on “Devices” menu
- 3 - Open the settings of your connected Cobra by clicking on the toothed wheel icon.



- 4 - Make sure your cobra is on the home screen “R” and if an update is available, click on “UPDATE”



- 5 - The update is done in three automatic steps.



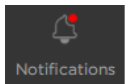
- Step 1: Download firmware to the Vision
- Step 2 - Upload the firmware to Cobra
- Step 3: The Cobra flashes the new firm-ware



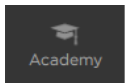
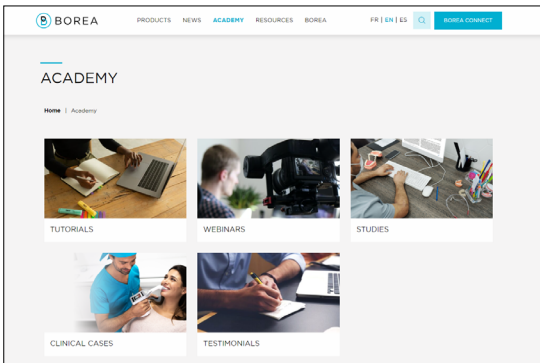
This message appears on Rayplicker Vision software when update is done and successful.

## 2.4. Notifications and Tutorials

### 2.4.1. Notifications























	<p>Still via the toolbar on the left of the screen is access to notifications.</p> <p>They announce events like:</p> <ul style="list-style-type: none"> <li>- An update available for the Rayplicker Vision.</li> <li>- An update available for the embedded software of your Rayplicker Handy or Rayplicker Cobra device.</li> <li>- The publication of a webinar or a clinical case sponsored by Borea.</li> <li>- The provision of supporting documents.</li> <li>- The presence of Borea at a trade show, congress, conference, etc.</li> </ul>
---	---

### 2.4.2. Tutorials

	<p>Still via the toolbar on the left of the screen is access to the «Academy».</p>
	<p>From this tab, the user accesses the «Academy» page of the Borea website.</p> <p>Tutorials are available on the use of the Rayplicker solution as well as clinical cases, scientific studies, webinars and user testimonials.</p>

## 2.5. Software Illustrations

Some illustrations are not directly described in the Vision software. Here is their meaning.

					
Information	Delete	Refresh	Picture file	3D file	Rayplicker file
					
Overall shade	3 parts shade	9 parts shade	Detailed mapping	Shade guide selection	Lock the area
					
Unlock the area	Zoom in	Zoom out	Type of comparison area	Invert	Tooth number is missing
					
Selected	Unselected	No viewer available	PDF file		



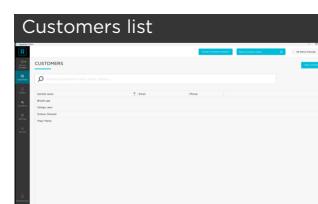
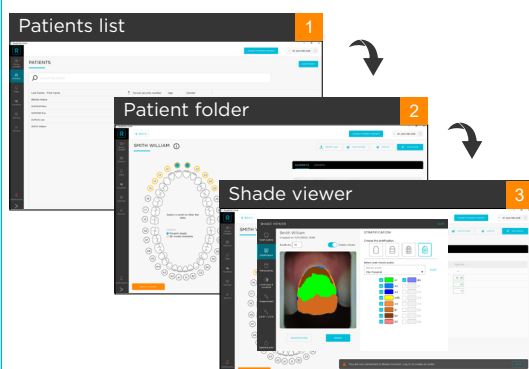
### 3. THE WORKFLOW WITH RAYPLICKER VISION

The Raypicker Vision software allows dental practitioners to work according to two different workflows: by patient or by type of data.

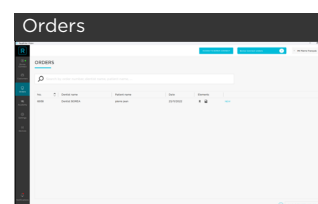
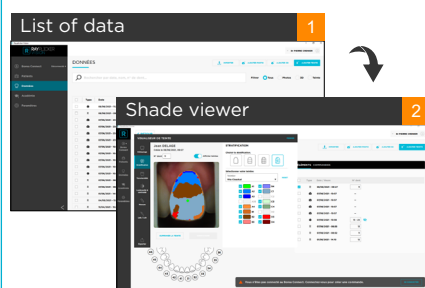


SOFTWARE/  RAYPLICKER  
VISION

SOFTWARE/  RAYPLICKER  
VISION



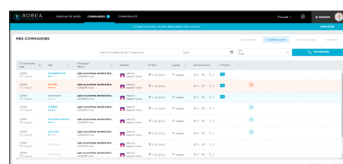
OR



 BOREA  
THE SHADE COMPANY

**At the dental practice:**  
Creation of the order form  
Sending the order  
Order status tracking

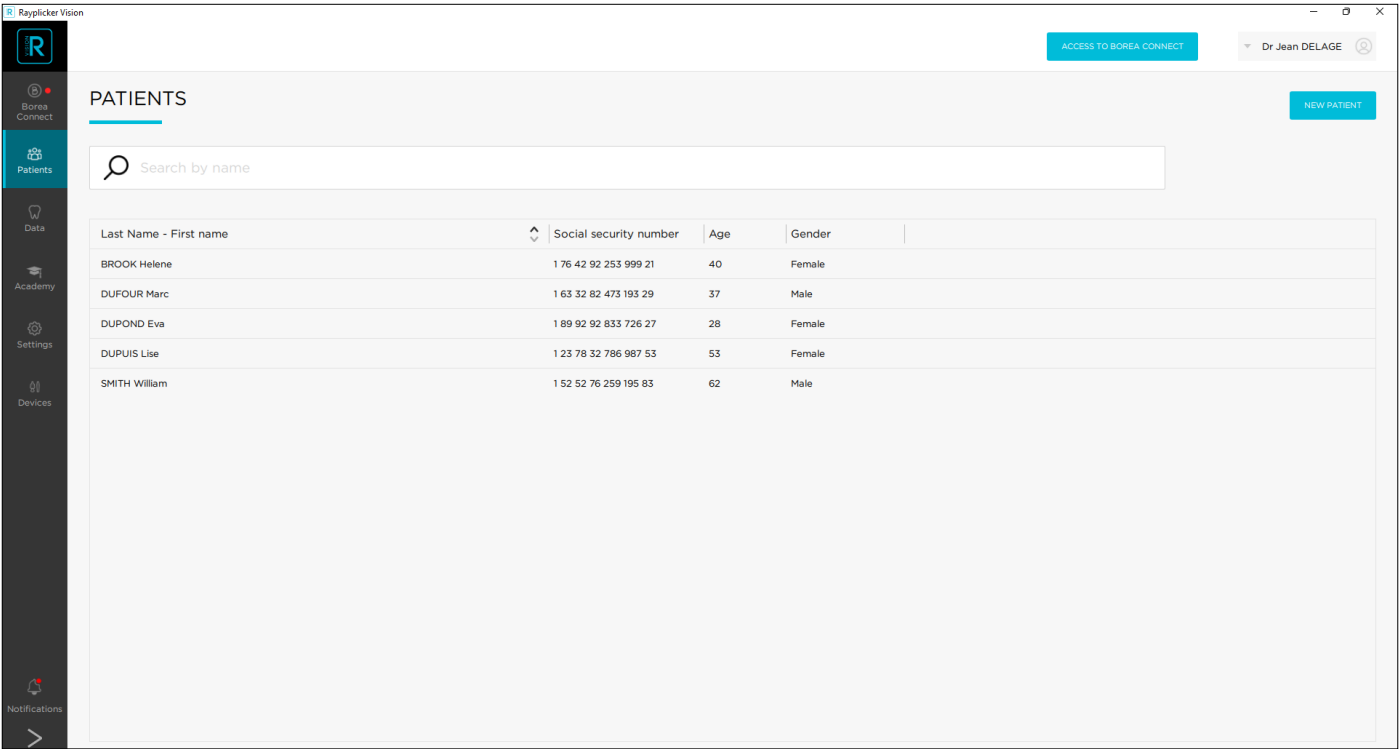
**At the lab:**  
Consultation of orders  
Order download  
Order status tracking




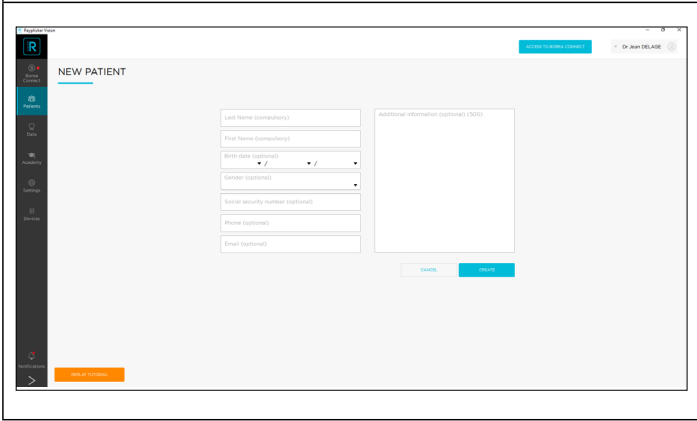
3.1. Workflow by patients

3.1.1. List of Patients (dentist account)

The «patients» interface displays a list of all patients, their social security number, age, and gender.



3.1.1.1. Create a patient

	<p>Click on «NEW PATIENT» (top right) to create a new patient file.</p>
	<p>The patient identification sheet opens in a new window.</p> <p>Enter at least the first and last name. Other optional information can be added:</p> <ul style="list-style-type: none"> <li>- Date of birth,</li> <li>- Social Security number,</li> <li>- Phone,</li> <li>- E-mail.</li> </ul> <p>A free field is available on the right side.</p>

CREATE

Click on «CREATE» to validate the entry.

Patients are added to your list (as below). Various options are then available to you.

Raypicker Vision

ACCESS TO BOREA CONNECT

Dr Jean DELAGE

Borea Connect

PATIENTS

Data

Academy

Settings

Devices

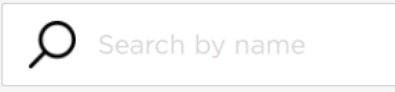

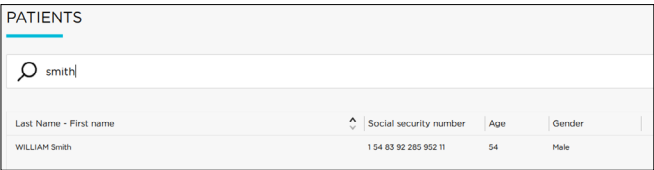
Notifications

PATIENTS

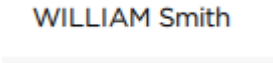

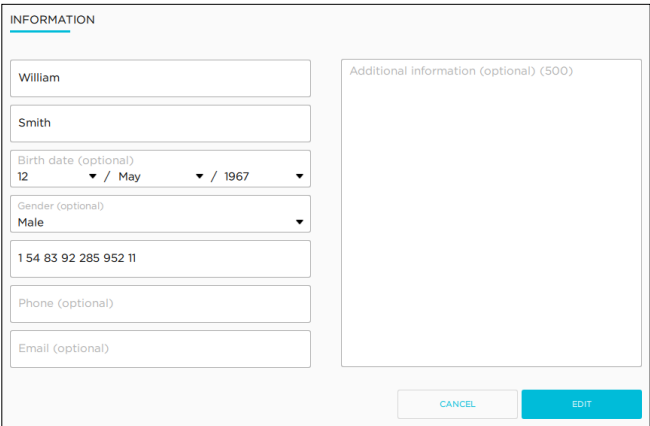

Search by name

Last Name - First name	Social security number	Age	Gender
BROOK Helene	1 76 42 92 253 999 21	40	Female
DUFOUR Marc	1 63 32 82 473 193 29	37	Male
DUPOND Eva	1 89 92 92 833 726 27	28	Female
DUPUIS Lise	1 23 78 32 786 987 53	53	Female
SMITH William	1 52 52 76 259 195 83	62	Male

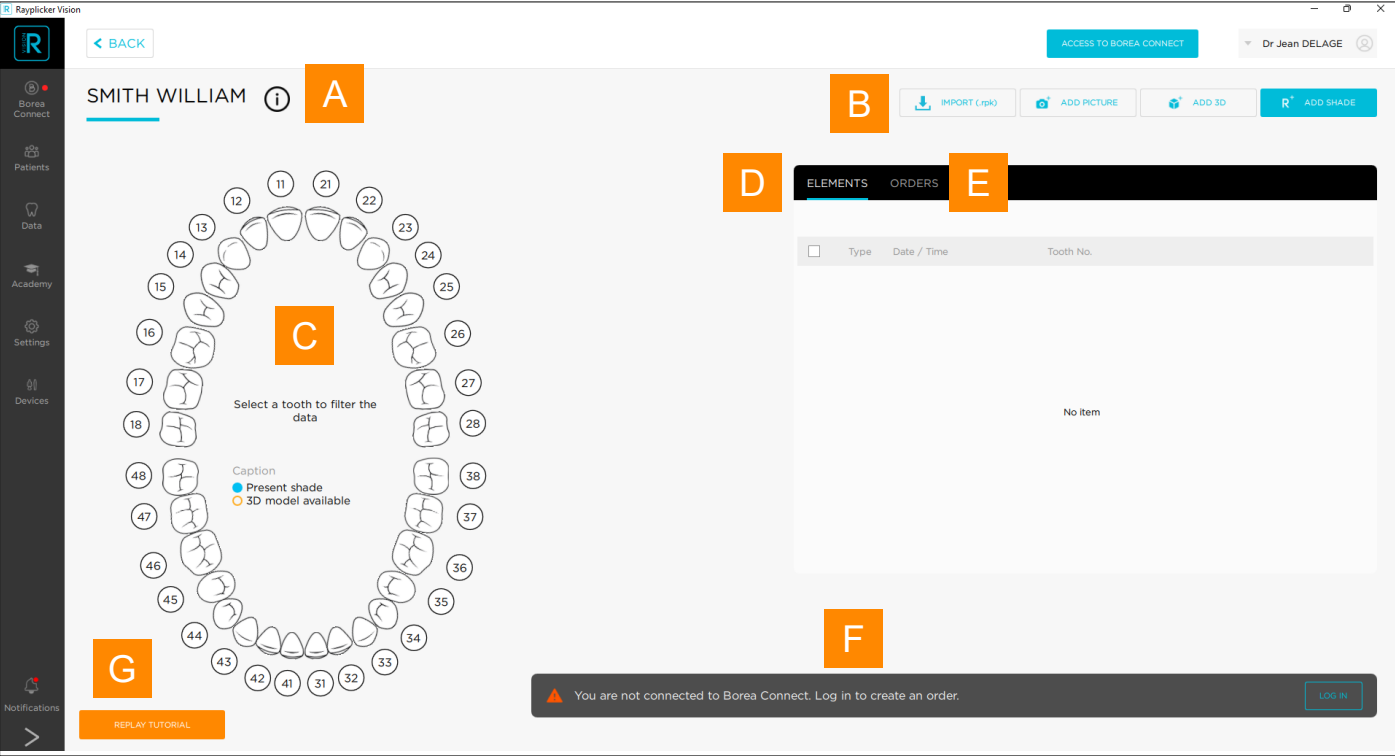
## 3.1.1.2. Find a patient

	<p>Click on the search text field. Enter the patient's name or social security number.</p>
	<p>Enter the searched name in the field, the search is carried out automatically.</p>
	<p>The software will then display the researched patient, or indicate that he is not part of the patient list.</p>

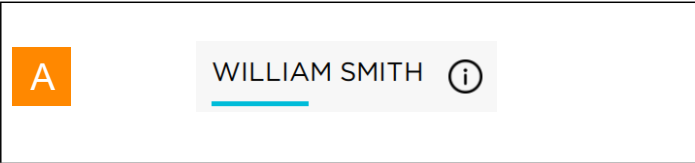
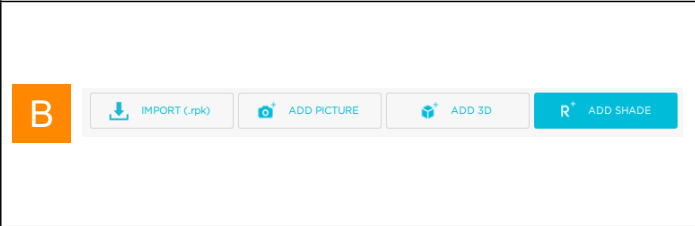
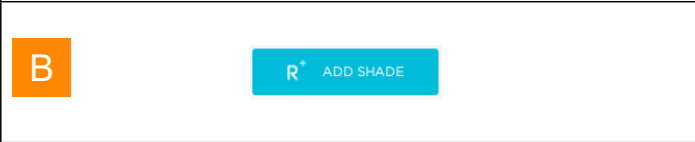
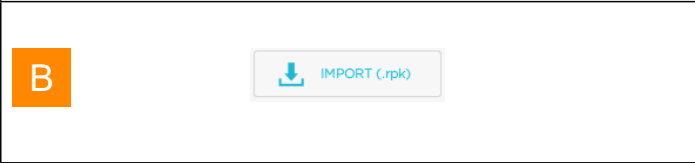
## 3.1.1.3. Modify/delete a patient file



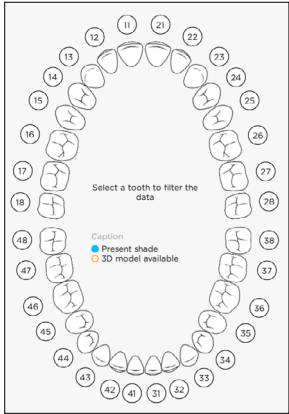
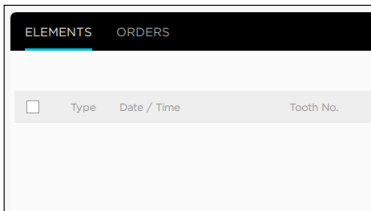
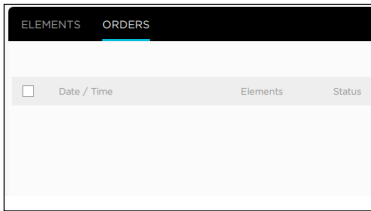
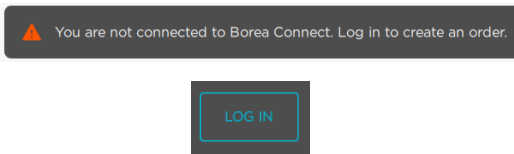

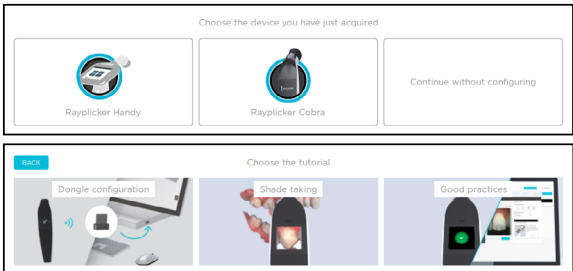
	<p>Hover the mouse cursor over one of the patient files to reveal two additional icons.</p>
	<p>Click on the «Information» icon to modify patient data (name, age, etc.).</p>
	<p>Click on <b>EDIT</b> once the information has been modified or completed to save the changes.</p>
	<p>Click on the trash can, then validate the choice to delete a patient from the list.</p>

3.1.2. Patient interface (dentist account)



The patient interface looks like above, and is made up of various elements.

	The patient's name is displayed at the top left, click on the information icon to modify it.
	Here are indicated the different actions of the patient interface.
	Gives the possibility to add to the list of elements a shade file coming directly from a Rayplicker Handy device.
	Add shade taking files in the native format (.rpk) coming from the computer.

<div data-bbox="116 152 177 212">B</div> <div data-bbox="349 156 542 208">  ADD PICTURE         </div>	<p>Add patient photos to a patient folder via the “Pics app solution” smartphone application or from the computer.</p>
<div data-bbox="116 324 177 385">B</div> <div data-bbox="349 324 542 376">  ADD 3D         </div>	<p>Add a 3D file of .stl, .obj and .ply type from the computer.</p>
<div data-bbox="116 616 177 676">C</div> <div data-bbox="301 443 590 855">  </div>	<p>This dental diagram makes it possible to visualize for which tooth(s) files are available, and to sort them by tooth number.</p>
<div data-bbox="116 974 177 1034">D</div> <div data-bbox="260 896 632 1106">  </div>	<p>Under the «Elements» tab on the right of the screen are the different files available for the patient (shade, 3D, patient photo). Three options are available : compare shade files, export files, create an order.</p>
<div data-bbox="116 1299 177 1359">E</div> <div data-bbox="260 1164 632 1373">  </div>	<p>The «ORDERS» tab gives you an overview of the different orders already established for this patient, with the possibility of viewing them in detail, or of deleting them.</p>
<div data-bbox="116 1534 177 1594">F</div> <div data-bbox="189 1469 705 1621">  </div>	<p>Click on «LOG IN» to connect the Rayplicker Vision software to the Borea Connect account.</p>
<div data-bbox="116 1747 177 1807">G</div> <div data-bbox="363 1895 513 1924">  </div>	<p>Click on «REPLAY TUTORIAL» to access video tutorials of Rayplicker devices.</p> <div data-bbox="858 1832 1433 2101">  </div>

### 3.1.2.1. Add a file to the Patient Interface

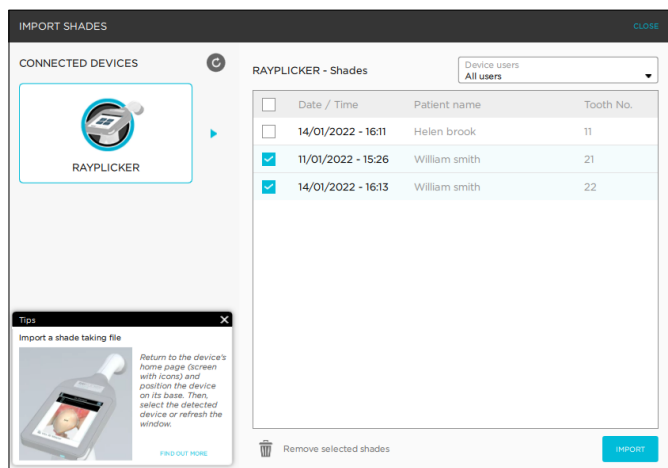
Different files can be added to the patient folder:

- Shade files (.rpk)
- 3D files (.stl, .ply, .obj)
- Patient pictures

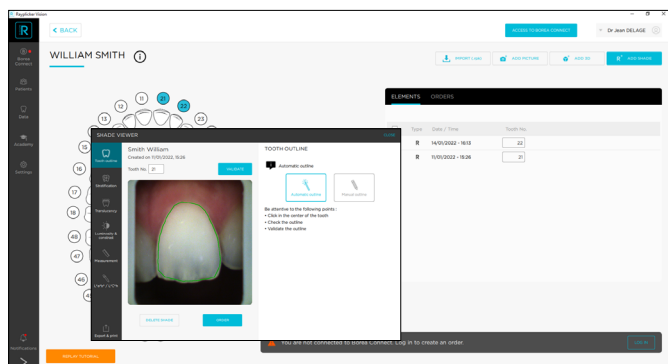
#### 3.1.2.1.1. Add a shade from Rayplicker Handy

Adding a shade to your list of items can be done in different ways, depending on where the file is coming from either a Rayplicker device or from the computer.

#### ADD A SHADE FROM RAYPLICKER DEVICE

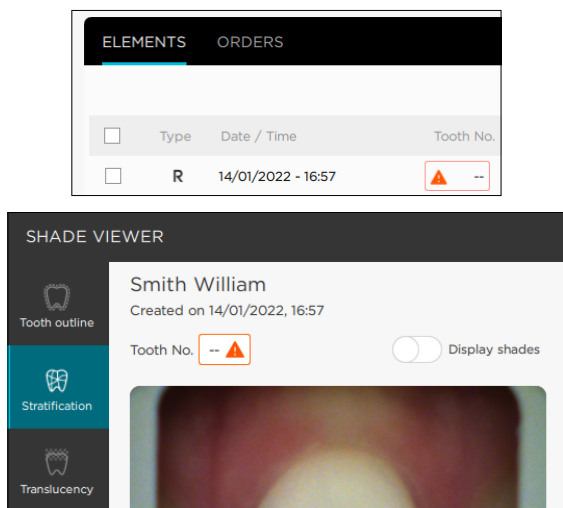


Using a Rayplicker Handy: after taking the shade on a patient (see RAYPLICKER HANDY USER MANUAL) and connecting the base of the device to the computer via the USB cable, click on **R ADD SHADE** then choose the file(s) to add to the list of elements then click on **IMPORT**



The imported shades will open on the shade viewer and they will appear in the right part of the patient interface under the «Elements» tab.

If the tooth number had been specified on the device, the imported shades are automatically indicated in blue on the corresponding tooth numbers on the dental diagram on the left side of the interface.

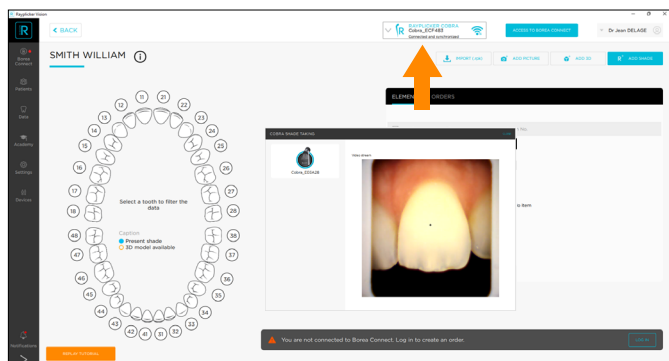


If no tooth number has been specified on the device, it can be indicated in the «Elements» section or directly from the «Shade viewer» window that appears on the screen following import.

**Check the tooth outline before analysing the shades. Having a perfect outline ensure a good shade detection.**

## 3.1.2.1.2. Add a shade from Rayplicker Cobra

## ADD A SHADE FROM RAYPLICKER COBRA DEVICE

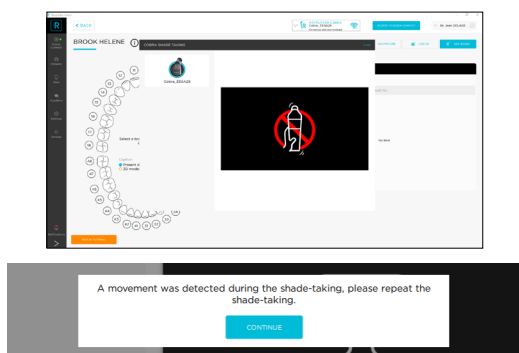


Open or create the patient file of your choice on the Rayplicker vision software.

Make sure your device is connected and synchronised.

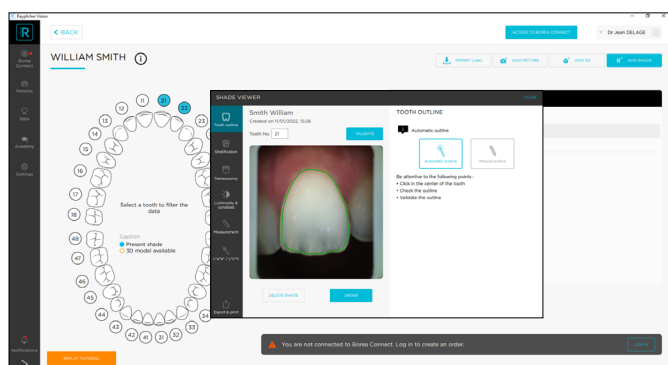
Launch shade taking mode by briefly pressing the trigger, or by pressing the «shade taking» icon.

A video stream is launched to help you position the appliance correctly in contact with the patient's tooth.



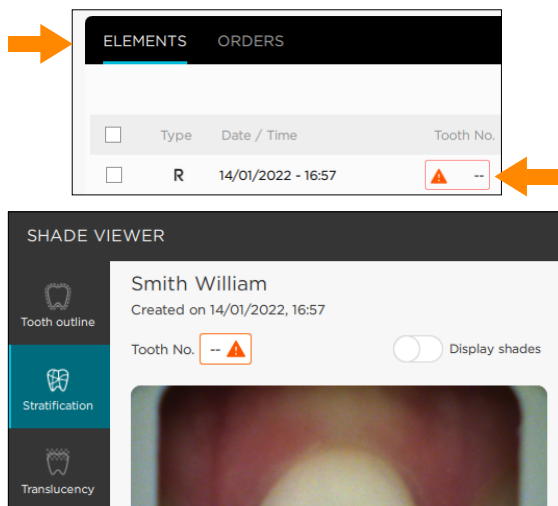
Take care not to move for 1 second, the time of the spectral acquisition.

If a movement has been detected during the shade taking, a notification will be displayed. In this case, please redo the shade taking.



When the acquisition is complete, the file is automatically transferred to the patient file and opens on the shade viewer window once transfer is done.


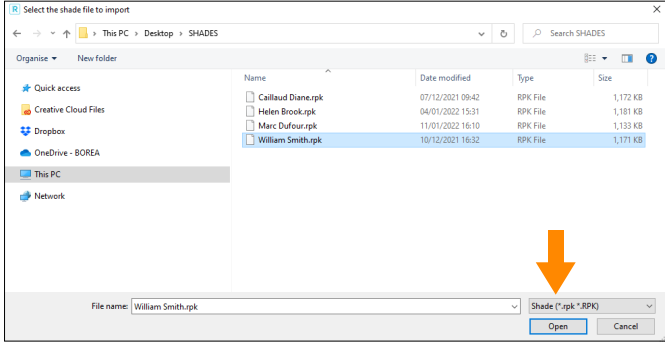
Check the tooth outline before analysing the shades. Having a perfect outline ensure a good shade detection.



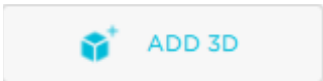
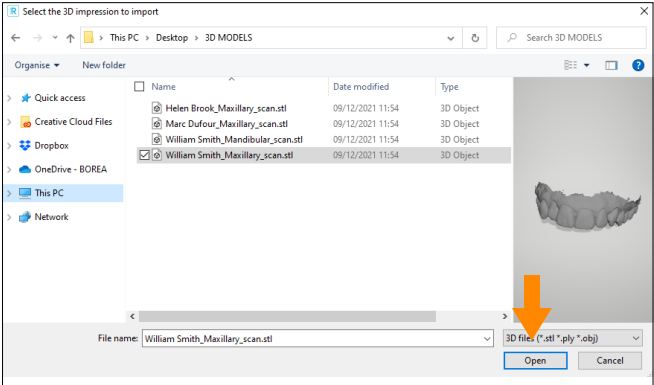
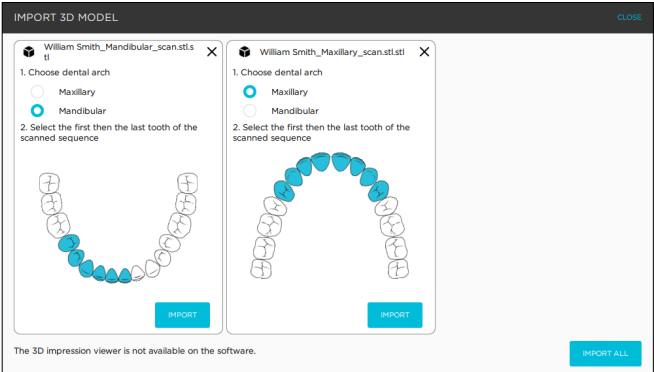
A tooth number can be specified directly from the «Shade viewer» or in the «Elements» section of the patient folder.

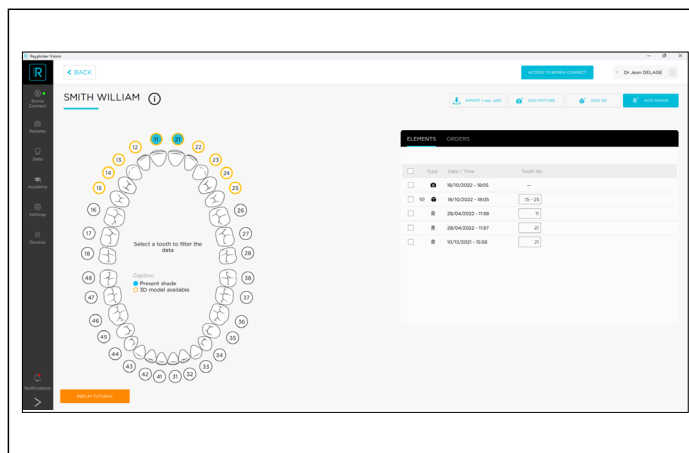


## 3.1.2.1.3. Import a shade file (.rpk)

ADD A SHADE FROM THE COMPUTER OR NETWORK	
	Click on «IMPORT» from the patient folder.
	Select the shade file (.rpk) from the computer explorer and click on «OPEN».


## 3.1.2.2. Import a 3D file

	Click on «ADD 3D» to import a 3D file of (.stl), (.obj) and (.ply) type from the computer.
	Select the 3D file from the explorer and click on «OPEN»
	<p>Indicate whether it is the mandible and/or the maxillary, then select the concerned teeth.</p> <p>Click on <b>IMPORT</b> or <b>IMPORT ALL</b> to import the files into the patient folder.</p>

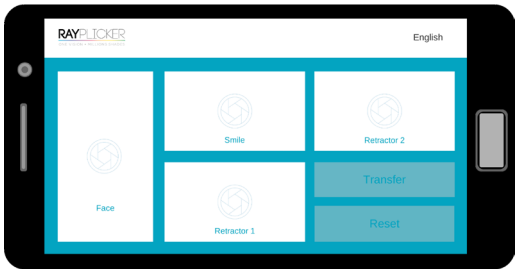
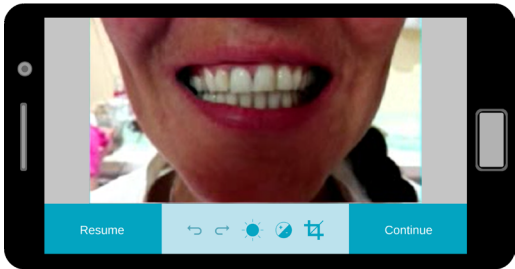







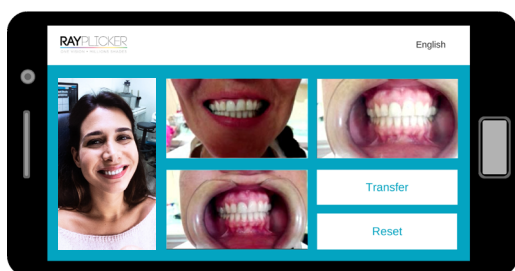
Once the 3D file has been imported, it appears on the right in the “Elements” section of the patient interface and in yellow on the dental diagram.

### 3.1.2.3. Import a patient picture

The tool  **ADD PICTURE** allows to add photos of the patient's face or smile to the patient folder and then to the order, in order to give to the dental technician a better idea of the context.

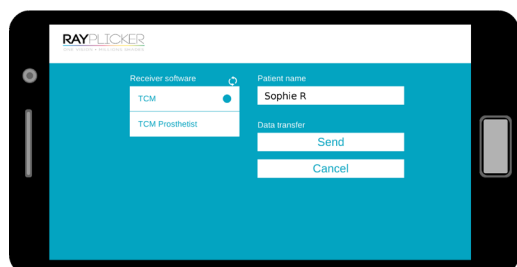
Two ways of doing this are suggested: either by importing a photo previously saved on the computer, or by using the Borea smartphone application “Raypicker Pics App Solution”, which can be downloaded from the App Store and Google Play online stores.

IMPORT PATIENT PHOTOS FROM THE RAYPLICKER PICS APP SOLUTION	
	<p>Once downloaded and opened, the application suggest to take 4 photos:</p> <ul style="list-style-type: none"> <li>- Face</li> <li>- Smile</li> <li>- Retractor 1</li> <li>- Retractor 2</li> </ul>
	<p>Once photo has been taken, various tools allow to modify it:</p> <ul style="list-style-type: none"> <li> Cancel</li> <li> Restore</li> <li> Luminosity</li> <li> Contrast</li> <li> Cropping</li> </ul>




After taking the photos, click «TRANSFER» to go to the next step.

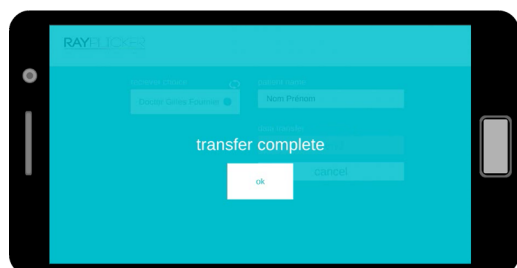
Click on «RESET» to erase the photos.



Complete the patient's name.

Search for account by clicking on the arrow .

Select the user that will receive the data then click on «SEND».

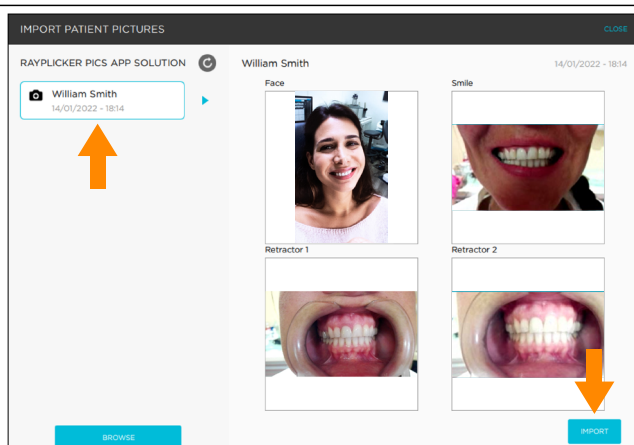


The photos will be automatically transferred by wifi to the Rayplicker software.

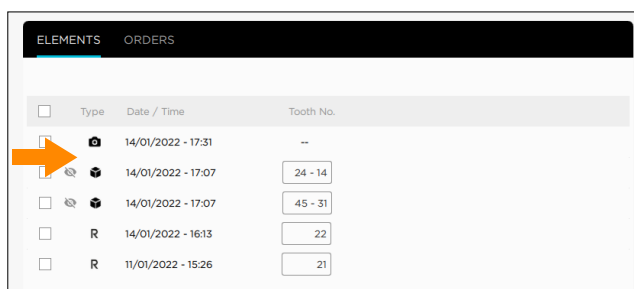
\*Important: make sure that both devices (Phone/tablet as well as the computer) are connected to the same wifi network. It will also be necessary to have launched the Rayplicker Vision software on the computer.




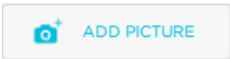
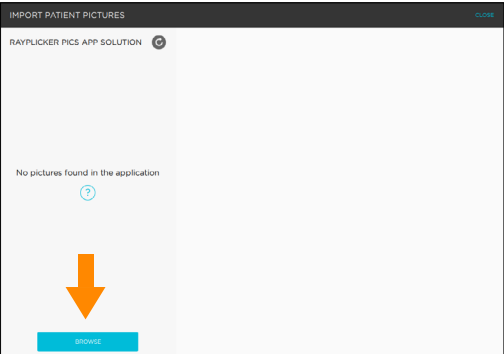
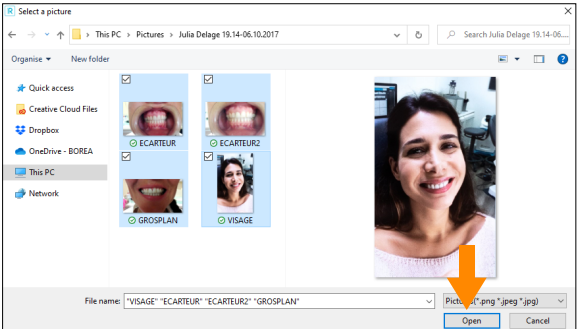
On the Vision software, click on «ADD PICTURE» to open the interface below.



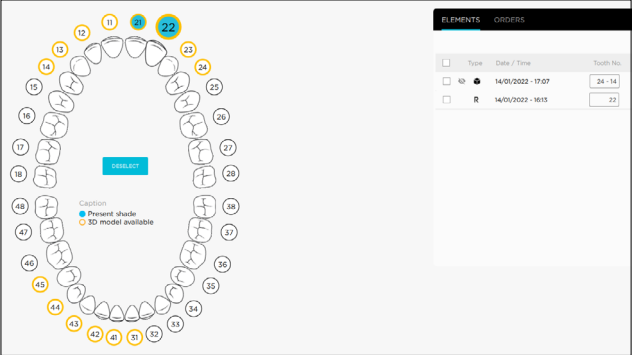
Choose the patient's photo folder on the left. Click on «IMPORT».



The photos recognizable by the icon  are then added to the list of "ELEMENTS".

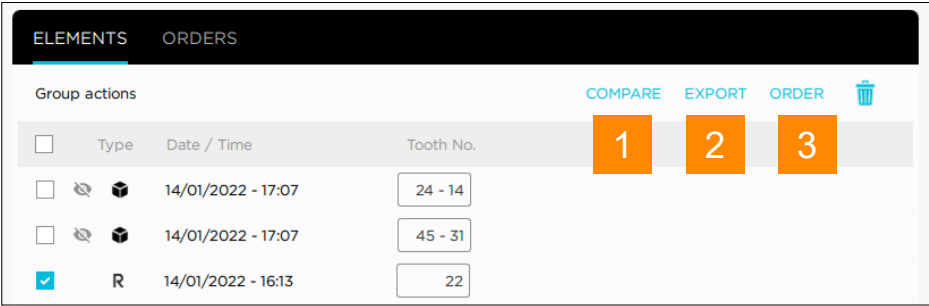
IMPORT PATIENT PHOTOS FROM THE COMPUTER	
	<p>To import a patient photo from the computer, click on «ADD PICTURE».</p>
	<p>Click on «BROWSE».</p>
	<p>The explorer opens and gives the possibility to search on the computer, select the chosen file and click on «OPEN».</p>

#### 3.1.2.4. Selection via dental chart

	<p>This diagram of the maxilla and mandible allows to filter the available elements (shade(s), patient photo(s), 3D file, pdf files) for a tooth.</p> <p>To filter, click on one of the tooth, and under the «Elements» tab on the right of the screen will only appear the files linked to it. (Here tooth 22 has been selected)</p>
---	---

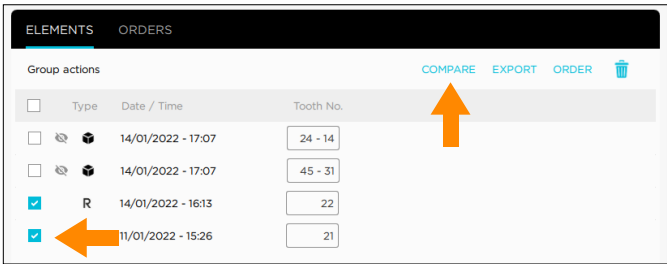
#### 3.1.2.5. Items & Order tabs

Under the «Elements» tab, the different files available for the patient appear. The type of item as well as the date and time of acquisition are indicated. It is possible to specify to which tooth number these files correspond to. Three tools are available:



1 The shade comparator

The comparison tool enables comparative analyzes based on CIE L\*a\*b\* values between two or three acquisitions. A comparative (or bleaching) report can also be generated and saved in (.pdf) format.



To launch the comparator window, select two shades by checking their box then click on «COMPARE».

Two modes of comparison are indicated: visual and shade.

Visual comparator:











Use the mouse to move the cursor to the right or to the left.

Shade comparator:



Compare multiple shade files based on multiple shade-guide references and CIE L\*a\*b\* values.

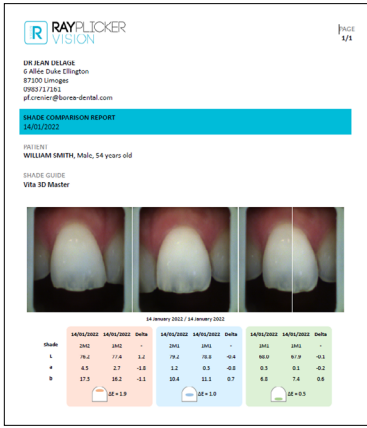
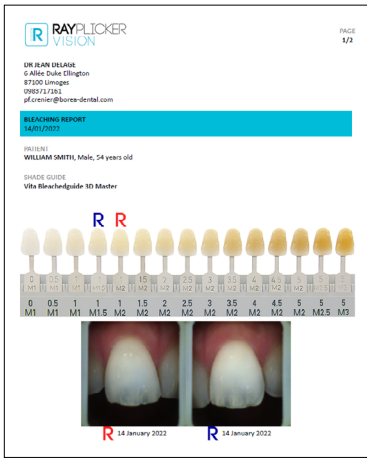
	<div> Single area</div> <div> Oval multi-areas</div> <div> Rectangular multi-areas</div>	Select the number (1 or 3) and shape (oval or rectangle) of areas desired for analysis.
<div></div> <div></div>	The padlock is used to freeze the movement of the analysis area.	
<div></div> <div></div>	Allows to reduce or increase the size of the analysis area.	

### Generate a report:

After performing the color analysis, a report can be generated in .pdf format by clicking on

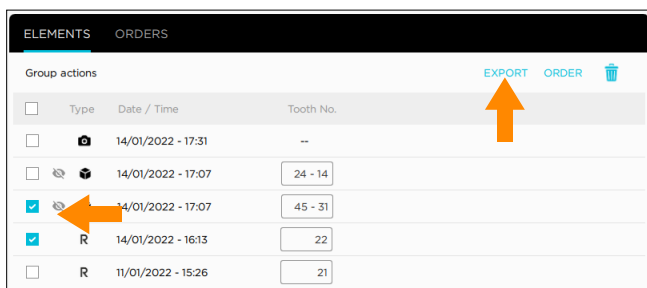
CREATE REPORT (.pdf)

A comparative report or a bleaching report can be edited. The bleaching report is generated when the Vita Bleachguide 3D Master® shade guide is selected.

 <p>The image shows a comparative report for a patient named William Smith, 54 years old. It includes three tooth images and a data table comparing two shade files (14/01/2022 and 14/01/2022) with a Vita 3D Master shade guide. The data table shows values for L*, a*, and b* for each tooth and the shade guide.</p>	<p>Here an example of a comparative report between two shade files according to VITA Toothguide 3D-MASTER® reference.</p>
 <p>The image shows a bleaching report for the same patient. It includes a Vita Bleachguide 3D Master shade guide and two tooth images. The report is dated 14 January 2022.</p>	<p>Example of a first page of a bleaching report.</p>

## 2

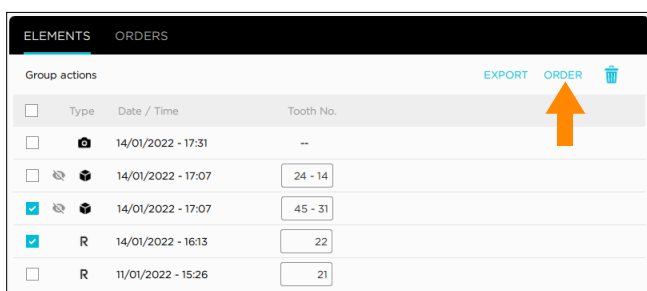
## Export



To keep a file (Shade, 3D or photo), select the desired file(s) then click on to choose the target folder on the computer.

## 3

## Order

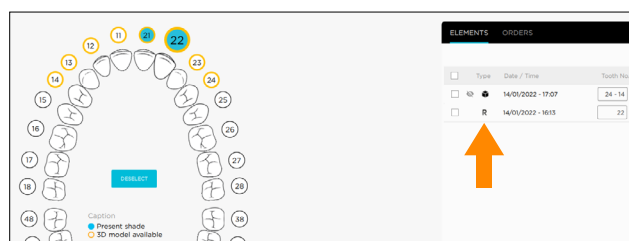


This feature offers the possibility to send files to a laboratory through the Borea Connect.

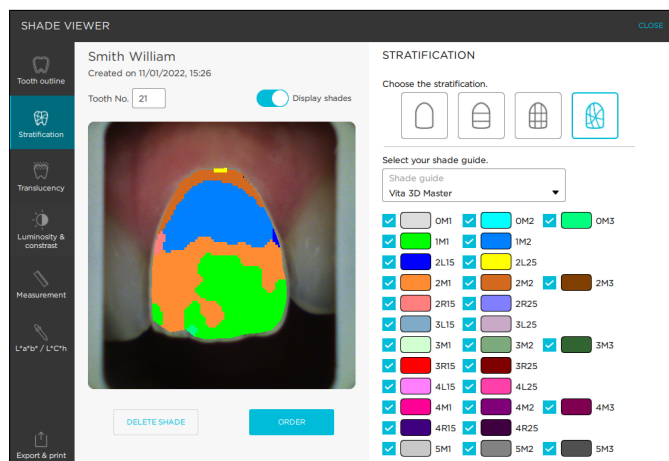
Select your files by ticking the box(es) then click on «ORDER» to add them to the order. See [«3.1.4. Create an order \(dentist account\)», page 39»](#)

## 3.1.3. Shade viewer






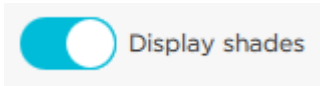
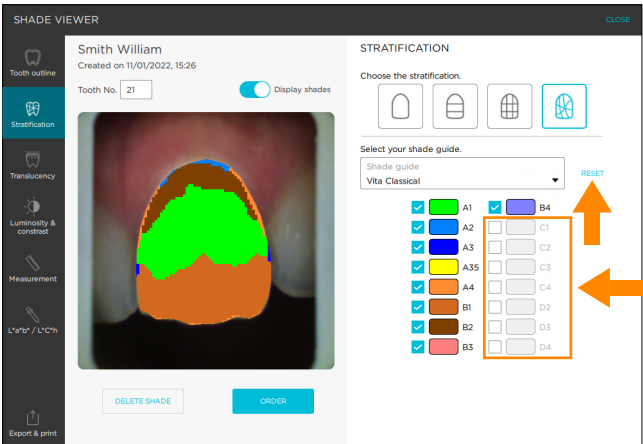
Among elements, double-click on a shade **R** to open the shade viewer and its various tools, accessible via the tabs on the left.



## The Stratification tab

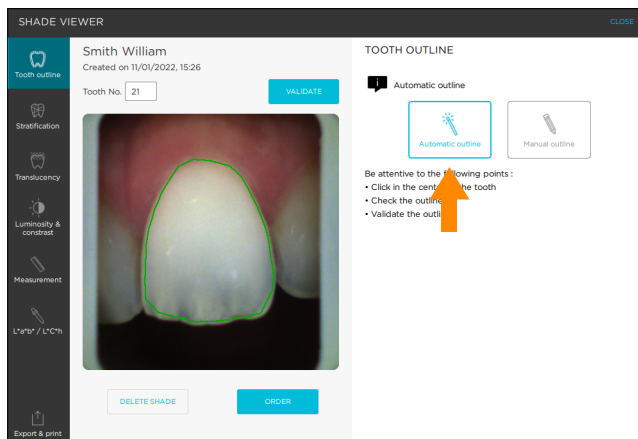


The «Stratification» tab gives the possibility to view the shade acquisition made under several levels of detail.

<p>Choose the stratification.</p> 	<p>Click on the pictogram corresponding to the desired level of stratification:</p> <ul style="list-style-type: none"> <li> Overall shade</li> <li> 3 parts shade</li> <li> 9 parts shade</li> <li> Detailed mapping</li> </ul>
	<p>Select or unselect «DISPLAY SHADE» to display either the polarized image or the shade mappings.</p>
<p>Select your shade guide.</p> <div data-bbox="280 1218 622 1281"> Shade guide  Vita 3D Master </div>	<p>Choose the reference shade guide in the library list. Here below are the available shade-guides:</p> <ul style="list-style-type: none"> <li>• VITA 3D-MASTER®</li> <li>• VITA Classical A1-D4®</li> <li>• VITA Classical A1-D4® + Bleached Shades</li> <li>• Ivoclar Chromascop</li> <li>• Shofu Vintage</li> <li>• Noritake</li> <li>• Vivodent S PE</li> </ul>
	<p>Customize a shade guide by selecting or unselecting shades.</p> <p>Only the selected shades will be used for the shade analysis.</p> <p>Click on «RESET» to come back to standard configuration.</p> <p>Here in the example, C &amp; D shades have been unselected from the VITA classical A1-D4® shade guide.</p>



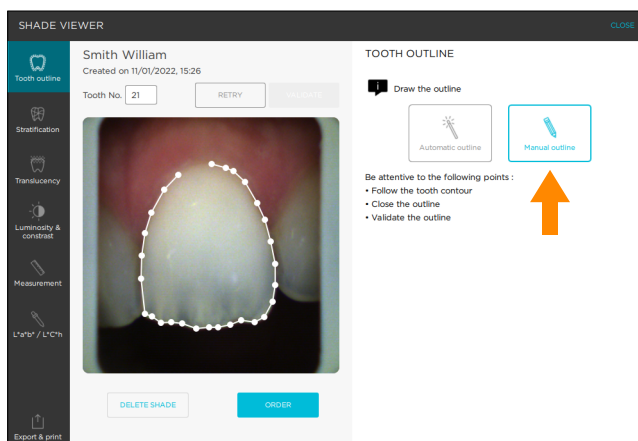
## The tooth outline tab



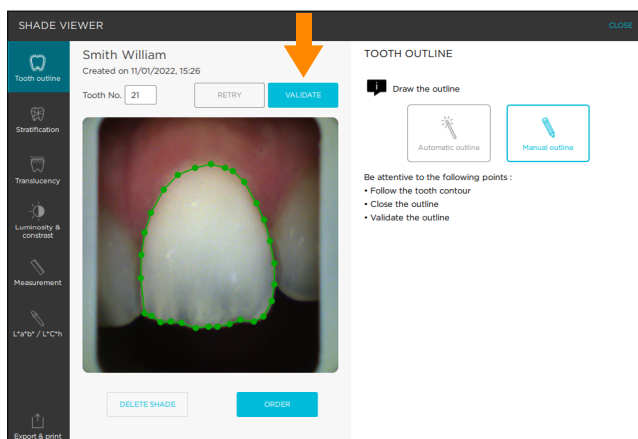
The tooth outline tab allows to redefine the contour of the tooth.

Click on «AUTOMATIC OUTLINE» then on the tooth so that the software creates the contour automatically.

If the contour is correct, click on «VALIDATE».

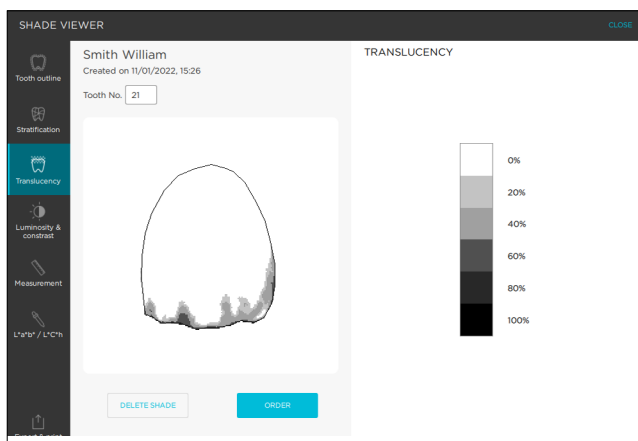


If the automatic outline is not conform, click on «MANUAL OUTLINE» to redefine it, point by point.



Finish the outline by clicking on the starting point. When the outline is green, click on «VALIDATE» to confirm.

## The translucency tab

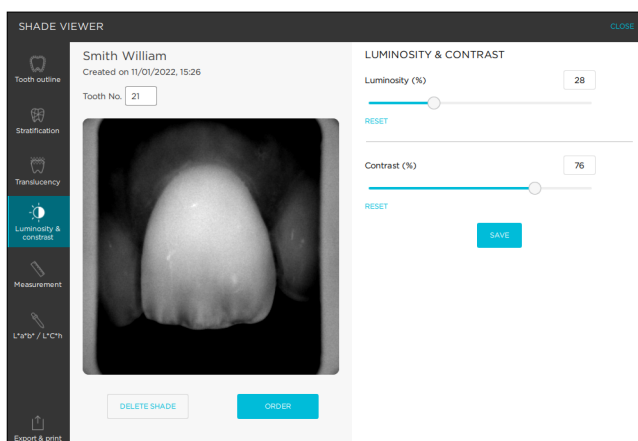


The translucency tool allows to view a map of the translucency of the tooth.

The level of translucency is readable by a gray-scale indicating the presence of translucency on a scale of 0% to 100%.

0% being non translucent  
100% being the most translucent

## Luminosity & contrast tab

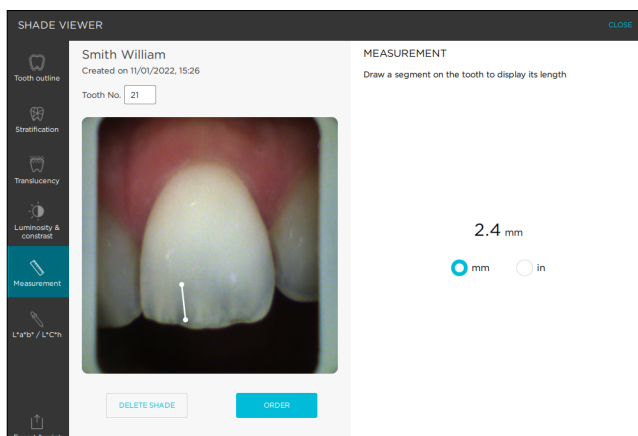


This black and white adjustment tool converts color polarized photo to gray-scale.

Use the sliders to modify the brightness and contrast parameters and thus bring out the distribution of dentin, enamel, or other remarkable characteristics.

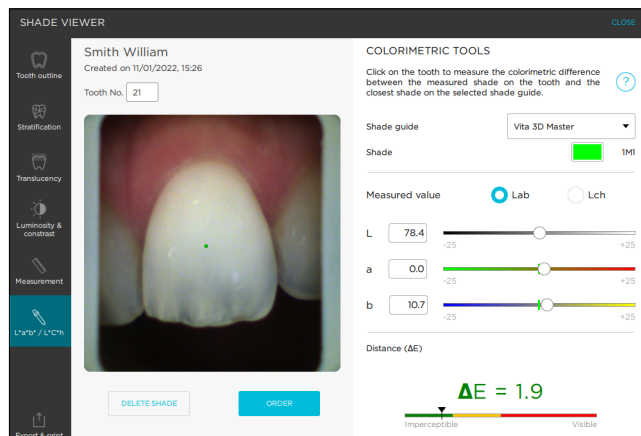
Click on «SAVE» to save the configuration.

## Measurement tab



This measurement tool makes it possible to locate and measure the location of remarkable areas such as areas of translucency or other remarkable characteristics (spots, cracks,...).

## L\*a\*b\* / L\*C\*h tab

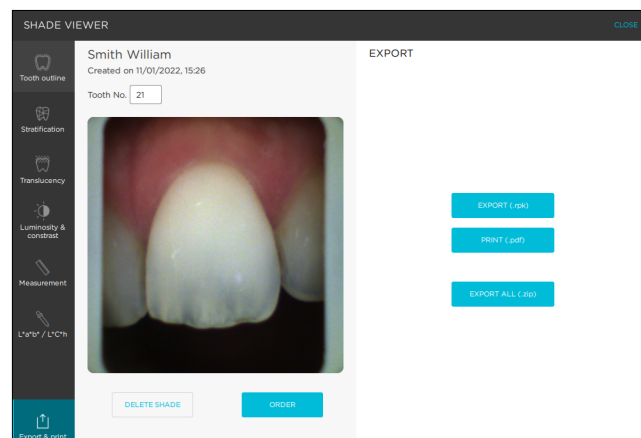


Calculate the “Delta E or  $\Delta E$ ” colorimetric difference between the actual shade of the tooth and the closest shade according to the selected reference shade guide.

Visualize the differences according to the 3 dimensions of color: luminosity, saturation and hue. This analysis can be carried out under the Cie L\*a\*b\* or L\*C\*h repository.

Determine by groups of 4x4 pixels the colorimetric coordinates by clicking on a point of the tooth.

## Export tab



EXPORT (.rpk) to save the shade analysis in native format (.rpk) and get the possibility to access later to all information.

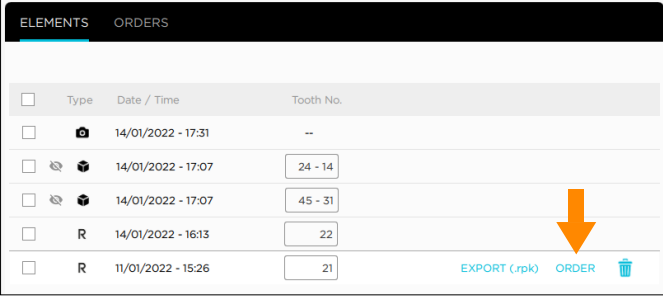
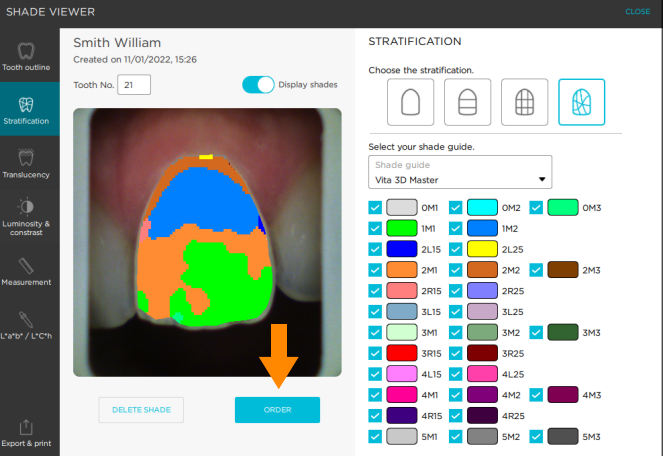
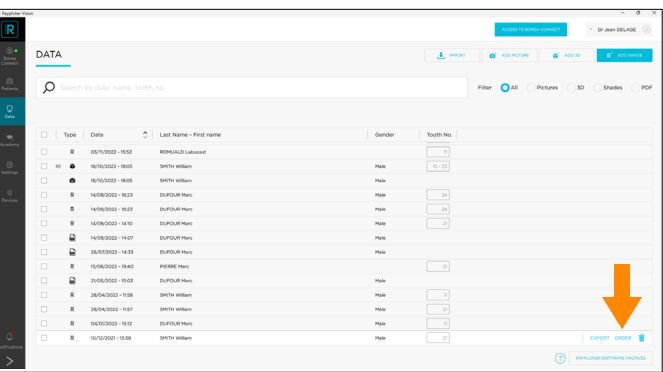

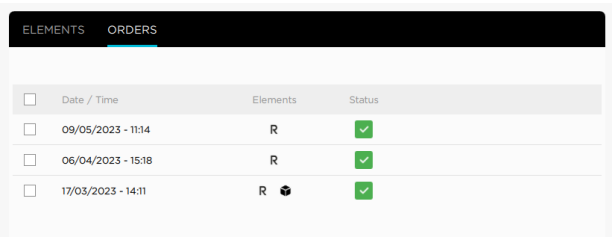
PRINT (.pdf), this button automatically generates a shade report based on the references of the last selected shade guide.

EXPORT ALL (.zip) will generate a zip file including the (.rpk & .pdf) files.

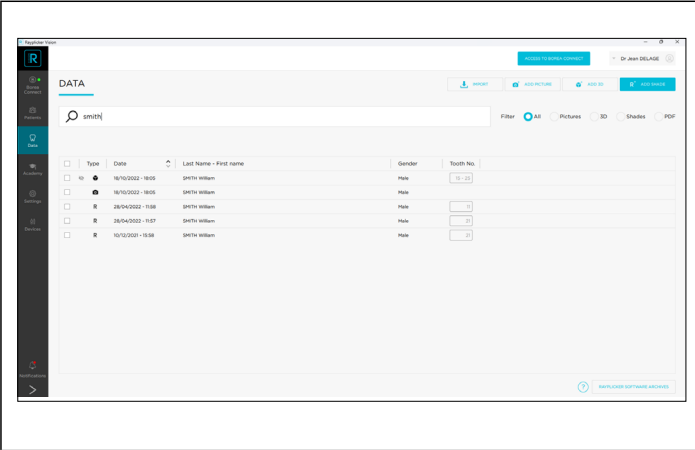
Click on “ORDER” to add this shade to your Borea Connect account. To do this, make sure you have indicated the reference tooth number.

### 3.1.4. Create an order (dentist account)

You have various options for sending an order form to your laboratory. Indeed, an order can be created on three different interfaces if the software is connected to the Borea connect.

 <p>Via the list of items from the patient folder. «ORDER» button is displayed on the subject line.</p>	
 <p>Via the «Shade viewer».</p>	
 <p>Via the «Data» tab.</p>	
	<p>On each of these interfaces, select one or more items then click on «ORDER» to add them to the order tab in the Borea connect platform. See <a href="#">«5.1. Finalize the order on Borea Connect», page 50</a></p>
 <p>Once the items have been sent to the Borea Connect and ordered, a list of orders sorted by date can be found in the “orders” tab.</p>	

3.2. The workflow per data







The «Data» interface displays a list of all files, classified according to the user preferences: by type of data, by patient name, or date.

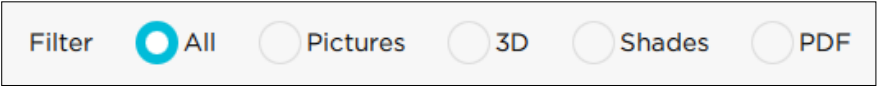
3.2.1. Add a data (dentist account)

To add data to the data list, click on one of the import buttons located at the top right of the screen:

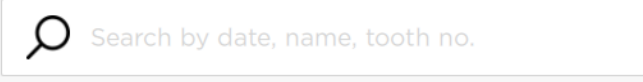

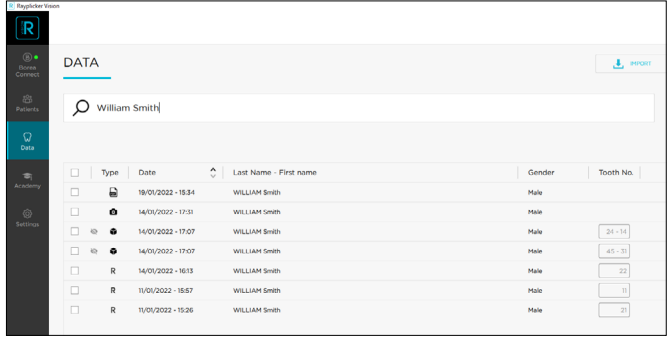
	Provides the ability to add a shade directly from a Rayplicker Handy device to the data list.
	Add a shade file (.rpk) from the computer to the data list.
	Allows to add context photos to the patient folder, via the Rayplicker Smartphone application or from the computer.
	Import a 3D file of type .stl, .obj and .ply from the computer.

3.2.2 Filter / Consult data


Filter the files by type (shade , patient photo , 3D file  or .pdf file ) , by clicking on the button provided for this purpose:



A search function by patient is present in the upper part.



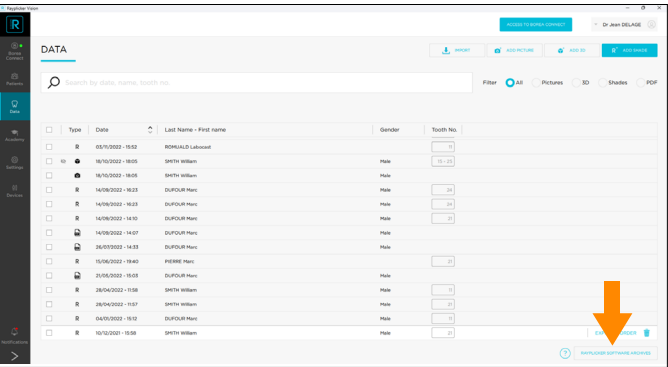

	<p>Click on the search text field. Enter the patient's name, social security number, date...</p>
	<p>After entering the information, the search is carried out automatically.</p>
	<p>The software will then display the patient, or indicate that he is not part of the data list.</p>

To consult a data, click on it.

- For a shade  please refer to part [«3.1.3. Shade viewer», page 35](#)

### 3.2.3. Manage data

Different actions are possible by clicking on the corresponding icon:

	<ul style="list-style-type: none"> <li>- Export a file: <b>EXPORT</b></li> <li>- Order a file: <b>ORDER</b></li> <li>- Delete a file: </li> </ul>
	<p>For users of the previous Rayplicker software, an access to old archives is possible by clicking on :</p> <p> <b>RAYPLICKER SOFTWARE ARCHIVES</b></p>

## 4. REGISTRATION & OVERVIEW OF BOREA CONNECT

Borea Connect is a connected and secure portal aimed at facilitating data sharing between the dental practice and the dental laboratory. It makes it possible to produce and then send via Cloud a prosthesis order by attaching several types of files: shade file(s), 3D models, patient photo(s), and by providing a certain amount of information on the product ordered (type of prosthesis, desired level of detail for shade, occlusion, etc.). The prosthetist thus has the possibility of receiving most of the information provided by the Rayplicker Handy device, without having to go through the Rayplicker Vision software. Then, chat via the messaging system to add details, keep informed of the progress of the work...

### 4.1. Account creation

The gateway between the «Order» feature of Rayplicker Vision and Borea Connect is automatic and leads directly to the registered dentist account. It is also possible to connect to it via an Internet browser at the following address: <https://borea-connect.com/user/signin>

Once on the home page, click on

**CREATE AN ACCOUNT**

Continue the registration by indicating the type of account to create (dentist or prosthetist), Company name, an email address and an associated password.

Optional fields like address and phone number can be filled in.

Confirm that you are a healthcare professional and agree to the privacy policy and terms of use. Finally, validate the creation of the account by clicking on :

**CREATE MY ACCOUNT**

The creation of the account must be confirmed by clicking on the link received by email to the email address previously used for the creation of the account.

Verification of the email address - Borea connect

noreply@borea.dental @ amazonaws.com

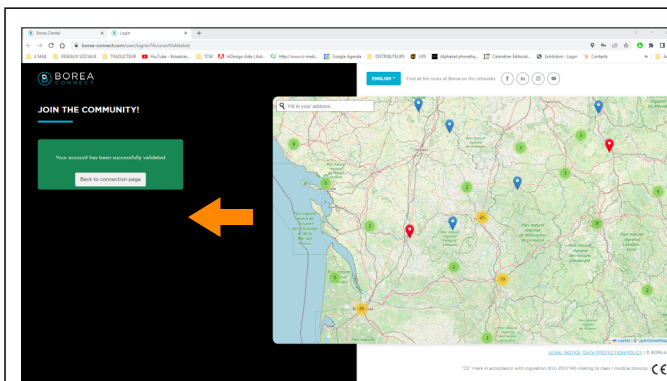
Please confirm your email address.

Hello Dental Borea, you have registered from the Borea Connect website. In order to complete your registration, please validate your email address. However, if you did not initiate the registration, you may cancel the registration.

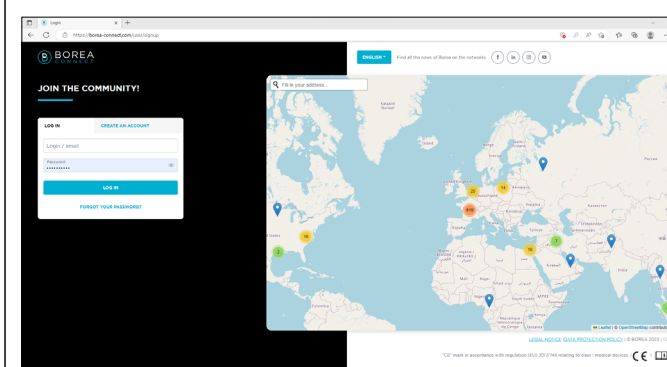
Sincerely,  
BOREA

**Confirm my email address** **Cancel**

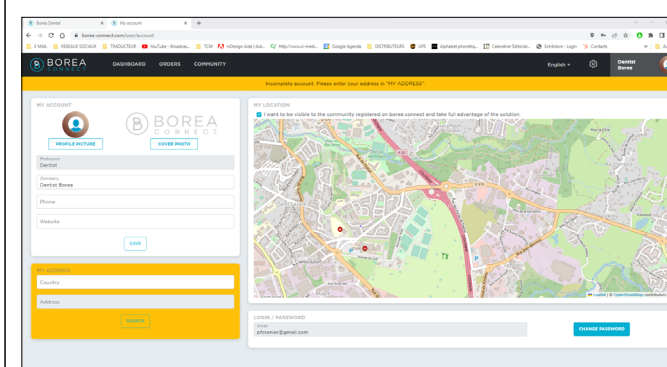




Once the account creation is validated, click on «Back to connection page».

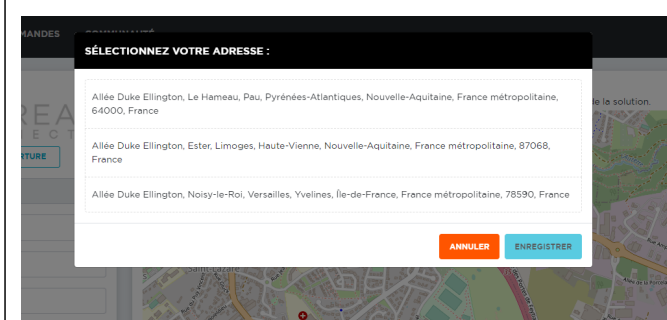


Log in with your email adress and password.

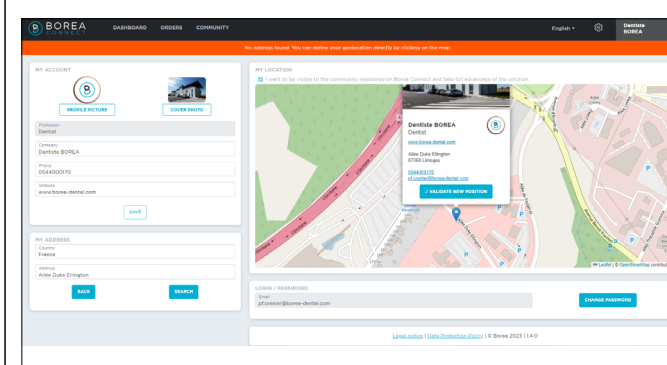


Finalize the account configuration by specifying your location.

To do so, use the fields «Country» and «Address» in yellow on the left side and click on «SEARCH».

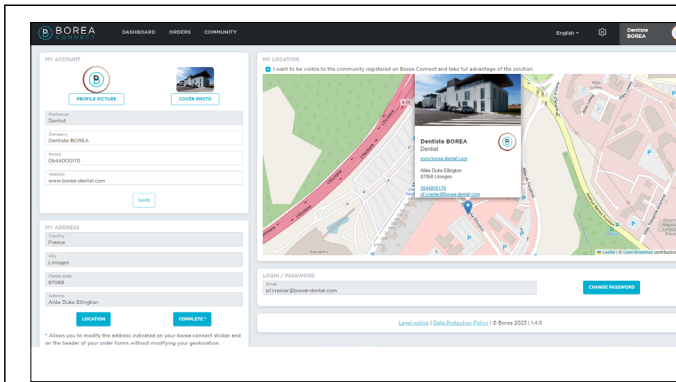


Select the right suggested address on the list and click on save.



If no address is suggested, and the orange banner appears, it is possible to click directly on the map to geolocate.

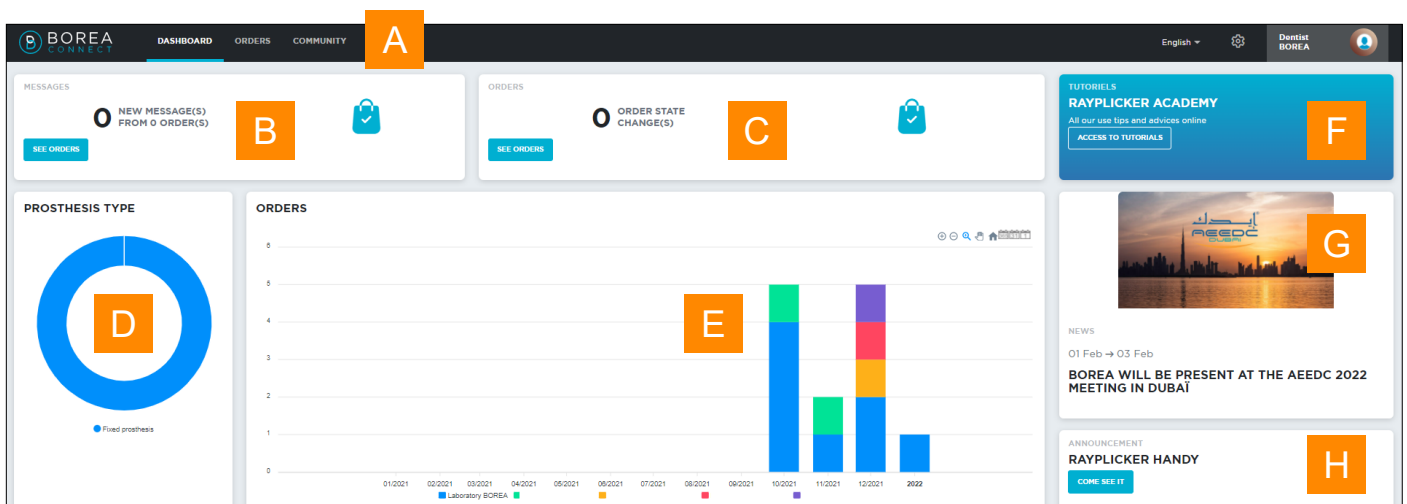




For optimized geolocation sheet, it is possible to add additional information: Photos, website, phone number...

## 4.2. Dashboard

Once registered, the dashboard is displayed with some information :



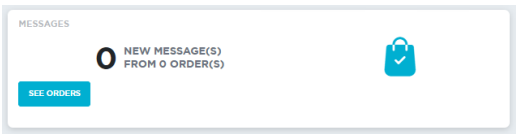
A



The upper taskbar gives access to the different features/tools of Borea Connect:

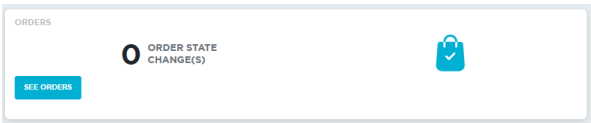
Dashboard,  
Orders,  
Rayplicker community  
Auto-save function **(For laboratory accounts only)**  
Settings.

B



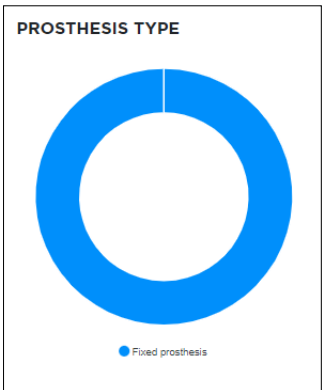
The most recent notification appears here. Click on it to read it, and access other notifications.

C



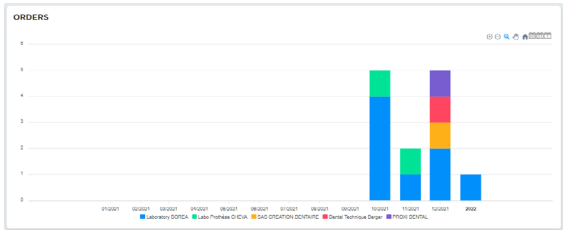
Quick information about the latest orders is displayed here. Click on [SEE ORDERS](#) to access orders.

D



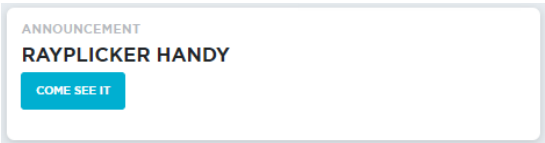


This statistical part of the dashboard shows what type of prostheses have been ordered over a predefined period.

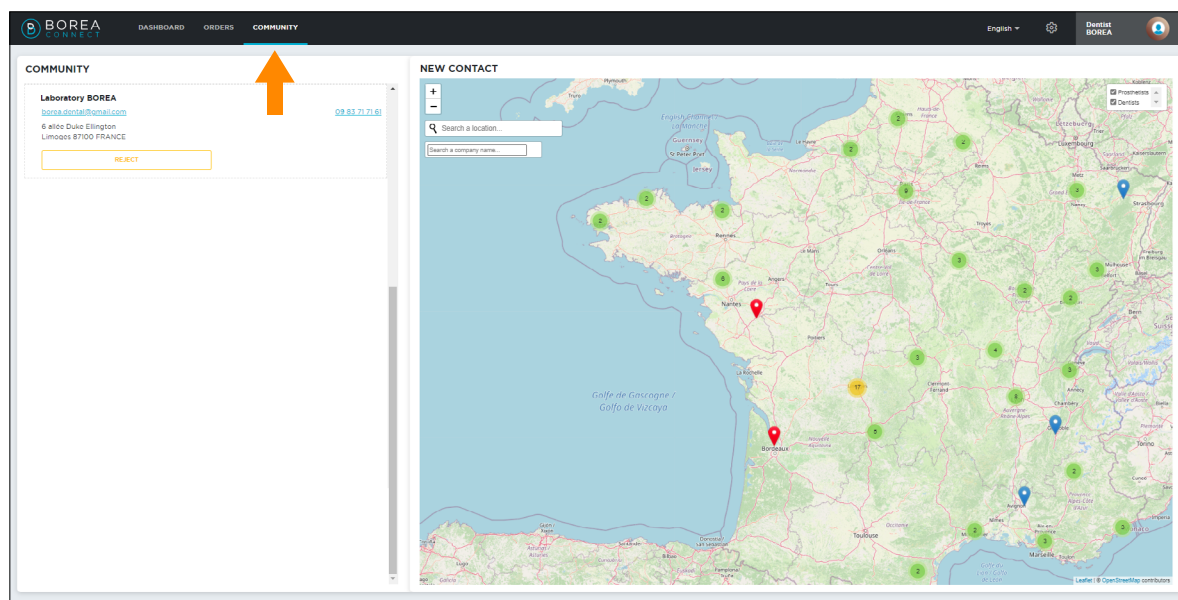
E



This other statistical part gives you an overview of the number of orders placed and with which laboratory over a given period.

<p><b>F</b></p> 	<p>This field gives access to the «Academy» page from the Borea website. Many information concerning the solution are indicated here as tutorials for example.</p>
<p><b>G</b></p> 	<p>Here are displayed some «news» about the company Borea.</p>
<p><b>H</b></p> 	<p>Click here to have more information about Borea products.</p>

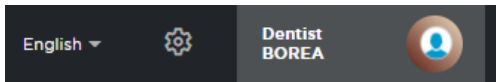

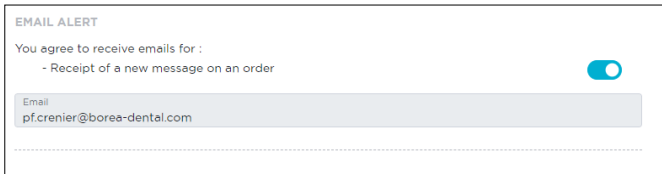
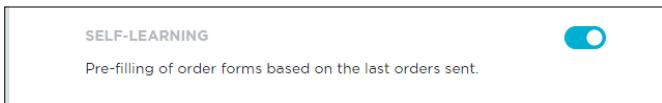
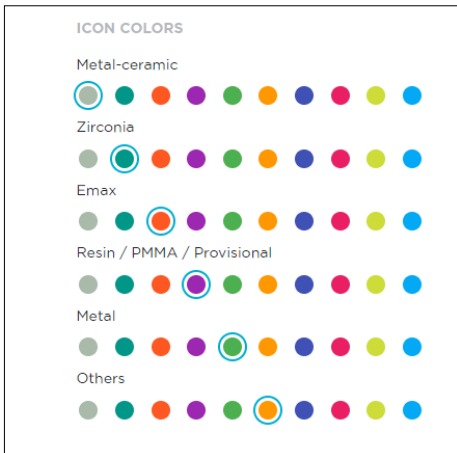
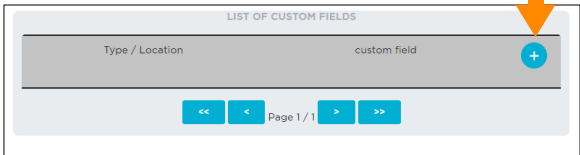
### 4.3. The Rayplicker community

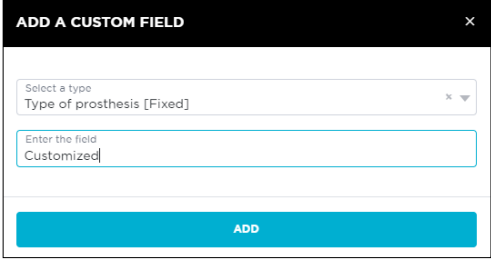



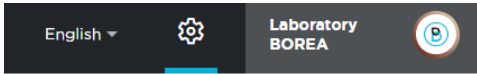

The Rayplicker community is displayed on this page via a map showing the different users of the Borea connect platform. From this page, a dental surgeon has the possibility of sending a contact request with geolocated laboratories on the map. If the request is accepted, orders can be sent to this lab.

## 4.4. Account settings

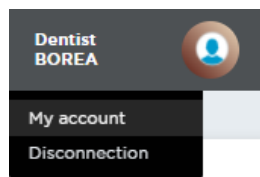
### 4.4.1 Borea Connect account setup

DENTAL PRACTICE ACCOUNT	
	<p>Clicking at the top right of the screen on the toothed wheel  gives access to various parameters.</p>
	<p>Activation or not of the email alert for new orders.</p> <p>Indication of the user's e-mail address.</p>
	<p>Activation or not of the self-learning function: if it is activated, the platform memorizes the preferences of the user when creating an order.</p> <p>(type of order, prosthesis, shade guide, etc.).</p>
	<p>Configure here the colors of order icons.</p>
	<p><b>For dentist account only:</b></p> <p>Here you can configure custom fields which will then be available in your digital order form.</p> <p>To add a field, click on the "+"</p>

	<p>Select a field type and enter the name you want to add.</p> <p>Click on “ADD”</p>
	<p>Once added, the field appears in the list of custom fields. It will also be available in the relevant drop-down menus on the order form.</p> <p>Click the trash can icon to delete a field.</p>

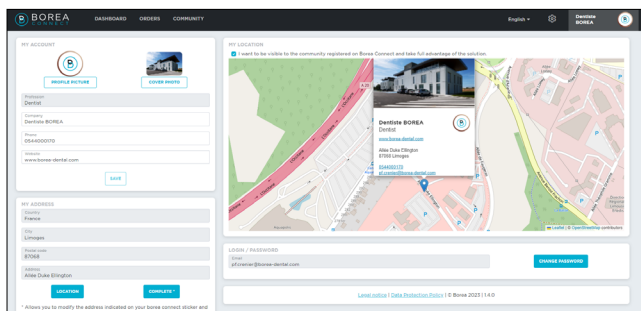
DENTAL LABORATORY ACCOUNT	
	<p>Clicking at the top right of the screen on the toothed wheel  gives access to various parameters.</p>
<p>EMAIL ALERT</p> <p>You agree to receive emails for :</p> <ul style="list-style-type: none"> <li>- Receipt of new orders</li> <li>- Community Contact Requests</li> <li>- Receipt of a new message on an order</li> </ul> <p>Email borea.dental@gmail.com</p>	<p>Activate the sliders to receive email alert.</p> <p>Indication of the user's e-mail address.</p>
<p>AUTO-SAVE</p> <p>This feature allows you to automatically accept and export your orders received in a .zip folder including an order form (.pdf) and a Rayplicker file (.rpk).</p> <p>Order form (PDF):</p> <ul style="list-style-type: none"> <li>- Anonymized</li> <li>- Not anonymized</li> </ul> <p>You can thus save them locally beyond 30 days (duration of storage of online data on borea connect). By activating this feature, a new tab will allow you to automatically accept and download all orders received in the chosen folder.</p> <p>Folder Documents</p> <p><small>Only available on Windows, on the Chrome / Edge browser.</small></p>	<p>Activate the slider to activate the «Auto-save» and configure the anonymization of the pdf orders.</p> <p>Specify the saving folder.</p>

#### 4.4.2. User profile settings



The information initially entered on the Borea Connect home page (name, address, password, etc.) can be modified by accessing «My account».

To do this, click at the top right of the screen on the user name of the Borea Connect account, then on click on «MY ACCOUNT».



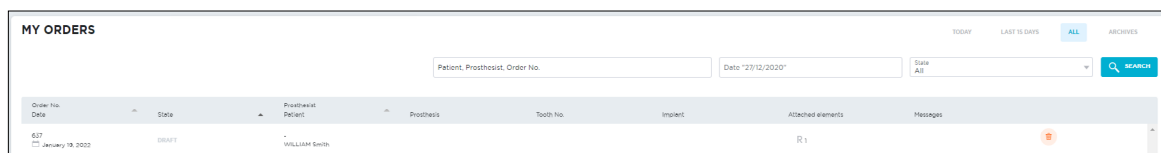
Click on [CHANGE PASSWORD](#) to modify the account password.

Indicate and customise the account settings in «MY COMPANY».

## 5. BOREA CONNECT - SEND AN ORDER

### 5.1. Finalize the order on Borea Connect

All orders, sent, processed, or still in draft form, are listed under the «Orders» tab. The last order transferred from the Vision software appears in draft format at the top of the list. Click on it to open it.



**Tip:** once your Borea Connect account has been created, a simple click on «ORDER» on the Rayplicker Vision software will automatically open the order as a draft!

Once opened, a few things must be filled in before the order can be sent to the laboratory.

DASHBOARD
ORDERS
COMMUNITY

English

Dentist  
Borea

[< BACK](#)
ORDER 256

WILLIAM SMITH  
Man, 62 years old

Attached elements  
 R 1

A

Delivery date  
June 30, 2022

Recipient contact  
Laboratory Borea

SEND ORDER

ORDER FORM
☒ Activated
☐ Not activated

Order type  
Fixed prosthesis

Prosthesis type  
Stained Zirconia

Stump color  
A3

▼ ADDITIONAL INFORMATION

Pontic design

Occlusal  
☒ Low
☐ Medium
☐ Hard

Occlusal contact  
☒ Low
☐ Medium
☐ Hard

▶ IMPLANTOLOGY

PRODUCTION TOOTH/TEETH

F

18 17 16 15 14 13 12 11 21 22 23 24 25 26 27 28  
48 47 46 45 44 43 42 41 31 32 33 34 35 36 37 38

Create a unitary element : please select the production tooth/teeth ([simple click](#))

Create "an integral element" / "Bridge" : please select the first tooth of the "integral block" / "Bridge" ([double click](#)) then select the last tooth of this "block" / "Bridge" ([simple click](#))

Delete an item : [double click](#) on the item to be deleted

SHADE

Reference shade  
shade 1

Translucency:  
Neutral

Stratification  

Low
Standard
High

Shade guide:  
Vita 3D Master

Impression  
☐ Physical decontaminated
☐ Physical undecontaminated
☒ Digital Borea Connect
☐ Digital other

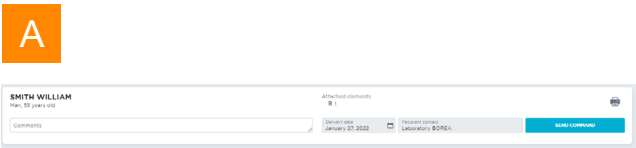
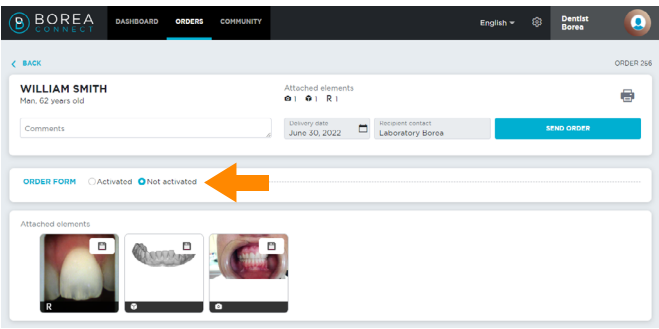
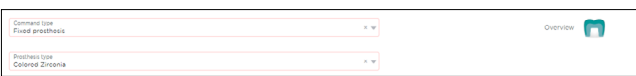

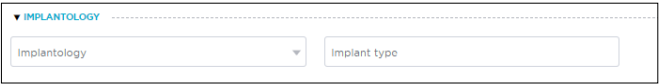

1M2  
2M1  
1M1

H

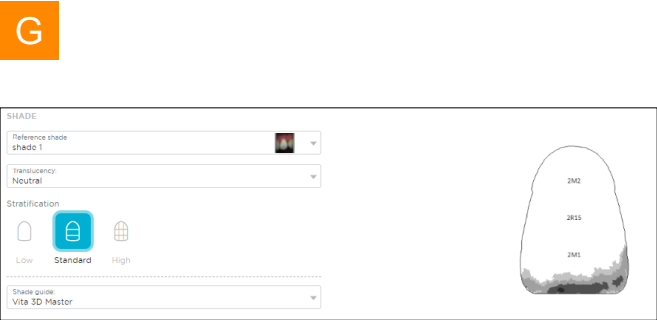
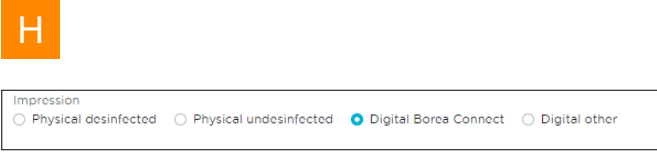
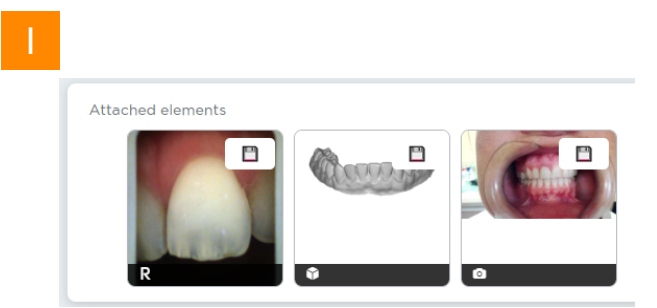
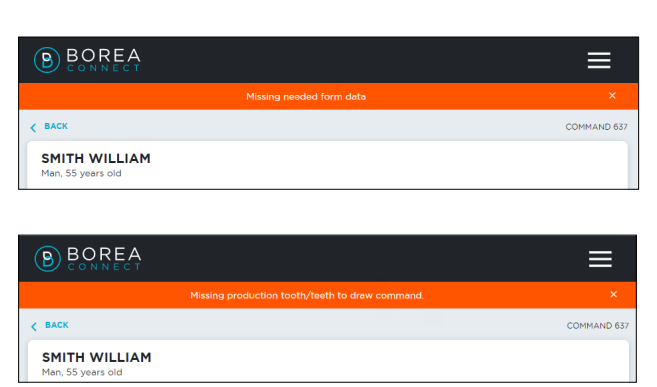
Attached elements

I

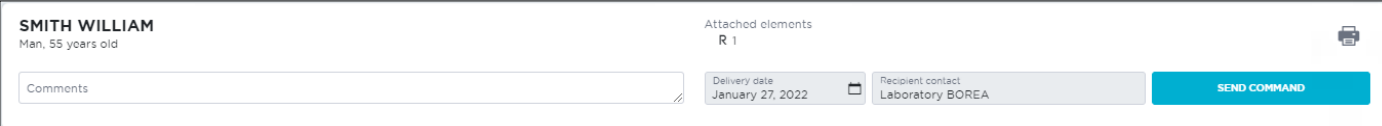
51

<p><b>A</b></p> 	<p>Write a comment about the order and define a desired date of delivery for the order. Then click on «RECIPIENT CONTACT» to add the recipient laboratory of the order.</p>
<p><b>B</b></p> 	<p>Here you can indicate whether or not you wish to complete a digital order form directly from the Borea Connect.</p> <p>If the option is activated, a menu appears with fields to complete. (see below)</p> <p>If the option is deactivated, the attached elements (color samples, 3D files, photos) will be sent without a digital order form.</p>
<p><b>C</b></p> 	<p>Choose here the type of:</p> <ul style="list-style-type: none"> <li>- Command: deputy, joint,</li> <li>- Prosthesis: ceramic metal, zirconia...</li> </ul> <p>Note: You can also specify custom fields.</p>
<p><b>D</b></p> 	<p>Additional information on occlusion, contact points, etc. can be added.</p>
<p><b>E</b></p> 	<p>In the case of an implantology treatment, it may be interesting to indicate the type of abutment and implant.</p>
<p><b>F</b></p> 	<p>Choose the production tooth/teeth to be produced by the laboratory.</p>

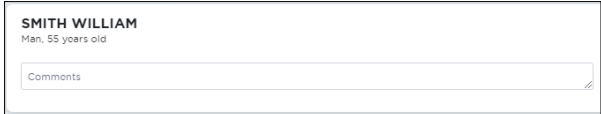
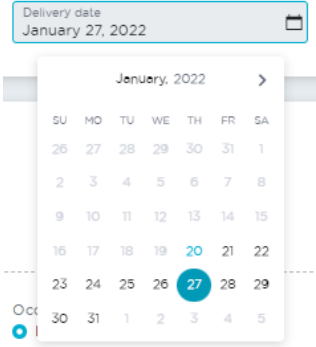



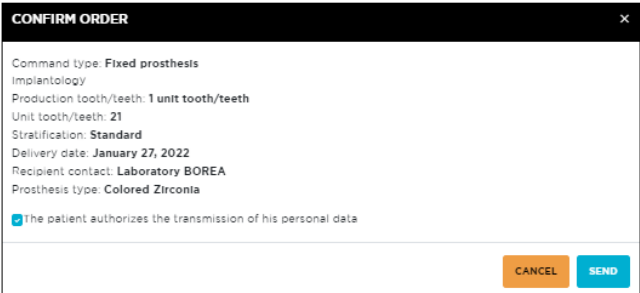


	<p>Define here which shade-taking will be the reference of the order (if several color files are attached to the order).</p> <p>Bring out more or less translucency.</p> <p>Define the desired level of detail according to the three levels of stratification available.</p> <p>Choose the reference shade guide. The selected shade guide will be the referent shade guide on the pdf.</p>
	<p>Information about the type of dental impression link to this order can also be specified.</p>
	<p>Click on the elements attached (shade files, patient photo, 3D files) to the order to see them in detail.</p>
	<p>If the order form is incomplete, the order can't be sent to the laboratory. A red banner will appear on the header to indicate that information is missing.</p>

## 5.2. Send the order to the laboratory



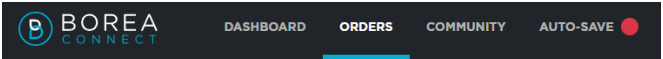
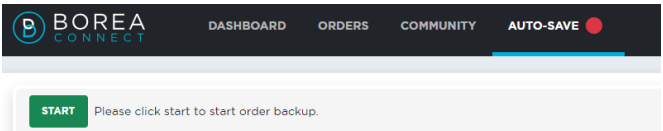
The order is transmitted to the laboratory via the banner at the top of the screen. It is possible to attach a comment that the prosthetist will read, and to define a desired delivery date for the prosthesis.

	<p>The order is sent to the laboratory via the banner at the top of the screen. It is possible to attach a comment that the prosthetist will read, and to define a desired date of delivery for the prosthesis.</p>
	<p>Define a desired date of delivery for the order by using the calendar.</p>
	<p>Click on «RECIPIENT CONTACT» to open your contact list and add the recipient laboratory of the order.</p> <p>If the contact list is empty, a contact request to a laboratory can be made from the «Community» tab.</p> <p>Once the contact request is accepted, the laboratory will be added to the contact list.</p>
	<p>A .pdf order form can be generated by clicking on the «print» icon.</p>
	<p>Once the order fully completed, click on «SEND COMMAND».</p>
	<p>A summary of the order appears.</p> <p>Indicates if the patient authorizes the transmission of his personal data.</p> <p>Click on «SEND» for sending the order.</p> <p>Click on «CANCEL» to come back to the order page.</p>

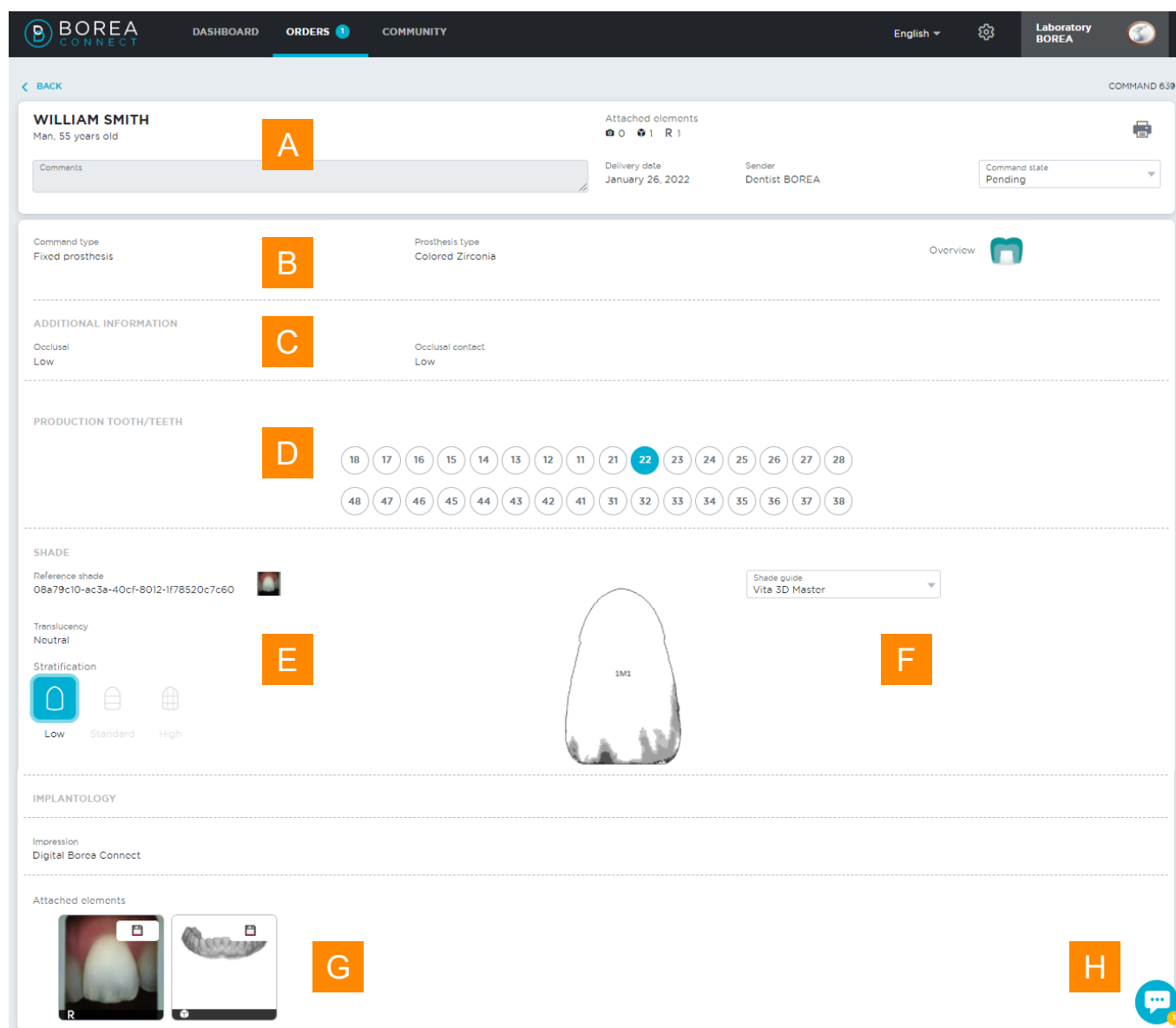
## 6. RECEIVE THE ORDER AT THE LABORATORY

To create a Laboratory account on Borea Connect, see page «4.1. Account creation», page 43

### 6.1. Receive the order via Borea Connect

	<p>If email notification is set up for a new order then, click on the link in the email to access the order on Borea Connect.</p> <p>Otherwise, log in to your Borea Connect account then access the list of orders received via the top banner (the last order received being displayed at the top of the list).</p>
	<p>If auto-save feature has been activated in your account settings, by clicking on «start», orders will be automatically accepted and exported in a .zip folder including an order form (.pdf) and a Rayplicker file (.rpk). <b>To work the internet browser must remain open on the «auto-save» page.</b></p>

#### 6.1.1 Interpret the order



**WILLIAM SMITH**  
Man, 55 years old

Attached elements: 0 0 1 R 1

Delivery date: January 26, 2022  
Sender: Dentist BOREA  
Command state: Pending

Command type: Fixed prosthesis  
Prosthesis type: Colored Zirconia

ADDITIONAL INFORMATION  
Occlusal: Low  
Occlusal contact: Low

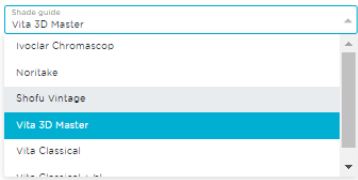
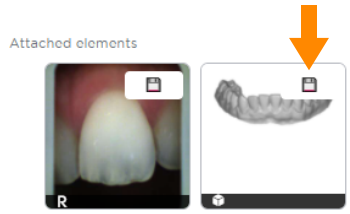

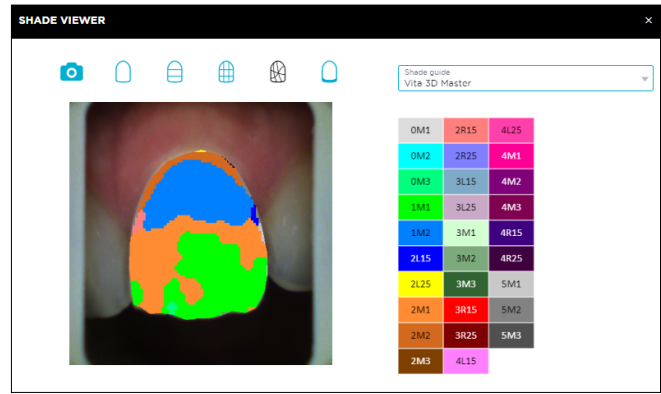
PRODUCTION TOOTH/TEETH

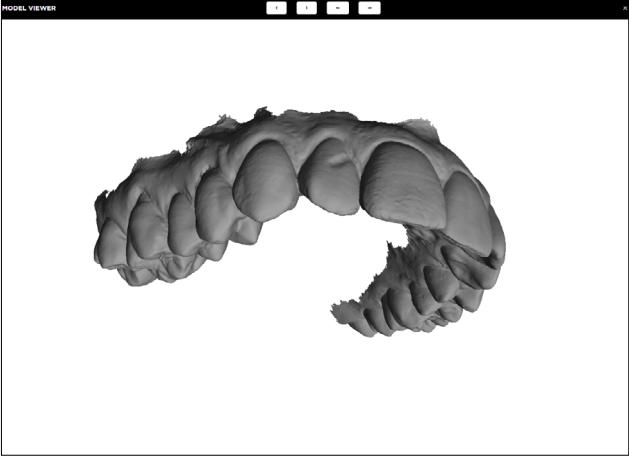

SHADE  
Reference shade: 08a79c10-ac3a-40cf-8012-1f78520c7c60  
Translucency: Neutral  
Stratification: Low (selected), Standard, High

IMPLANTOLOGY  
Impression: Digital Borea Connect

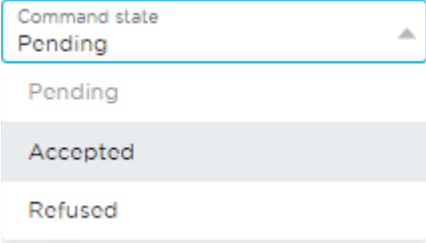

Attached elements: [Image of tooth] [Image of arch]

Labels A through H are placed on the screenshot to indicate specific areas of interest.

<p>A</p>	<p>The top banner shows a brief overview of the order: patient information, number of files attached to the order, delivery date desired by the customer, etc.</p>
<p>B</p>	<p>In the second part is information relating to the type of prosthesis to be made: command type (fixed prosthesis, removable, onlay, inlay), material (E-max, zirconia,...)</p>
<p>C</p>	<p>Additional information on the occlusion, contact points, etc.</p>
<p>D</p>	<p>Tooth number to be manufactured.</p>
<p>E</p>	<p>The drawing of the production tooth indicates the level of detail desired by the practitioner (1 global shade, 3 areas, 9 areas).</p>
<p>F</p> 	<p>Click <a href="#">here</a> to see the tooth scheme according to another shade guide reference.</p>
<p>G</p> 	<p>Files attached to the order can be saved by clicking on the icon  and opened by left clicking.</p>
<p>G</p> 	<p>Files attached to the order can be open by left clicking.</p> <p>Opening a shade file give access to a «Shade viewer» window, where the tooth shade can be analysed under several mappings and shade references.</p> <p>Click on the last icon to display the translucency mapping.</p>

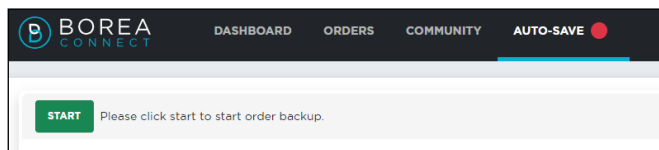
<div data-bbox="119 190 178 246">G</div> 	<p>Opening a 3D file gives access to a «Model viewer» window, where the 3D model can be visualized using the computer mouse and the icons on the top bar.</p>
<div data-bbox="119 790 178 846">H</div> 	<p>Use this live chat to chat with the dental practice.</p>

### 6.1.2. Change order status / finalize order

	<p>The status of a received order is «pending». It's on the right side of the top banner that orders can be accepted.</p> <p>Once accepted, their status can be changed : in process, prothesis sent, ended.</p> <p>The modification of the status by the laboratory updates the status of the order at the dental office.</p>
	<p>An order remains accessible for 30 days from the date of import into the Borea connect by the practitioner. Then, the file remain archived and a minimum of information remain accessible from the «Archives» filter.</p> <p>Borea recommends exporting the data in PDF or saving it on the Vision software for better traceability.</p>

### 6.1.3. Auto-save and download of orders

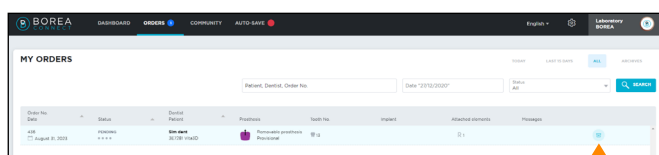
#### Auto-save feature



If auto-save feature has been activated in your account settings, by clicking on «start», orders will be automatically accepted and exported in a .zip folder including an order form (.pdf) and a Rayplicker file (.rpk). **To work the internet browser must remain open on the «auto-save» page.**

For auto-save configuration reports to [«4.4.1 Borea Connect account setup, page 49»](#)

#### Order download feature



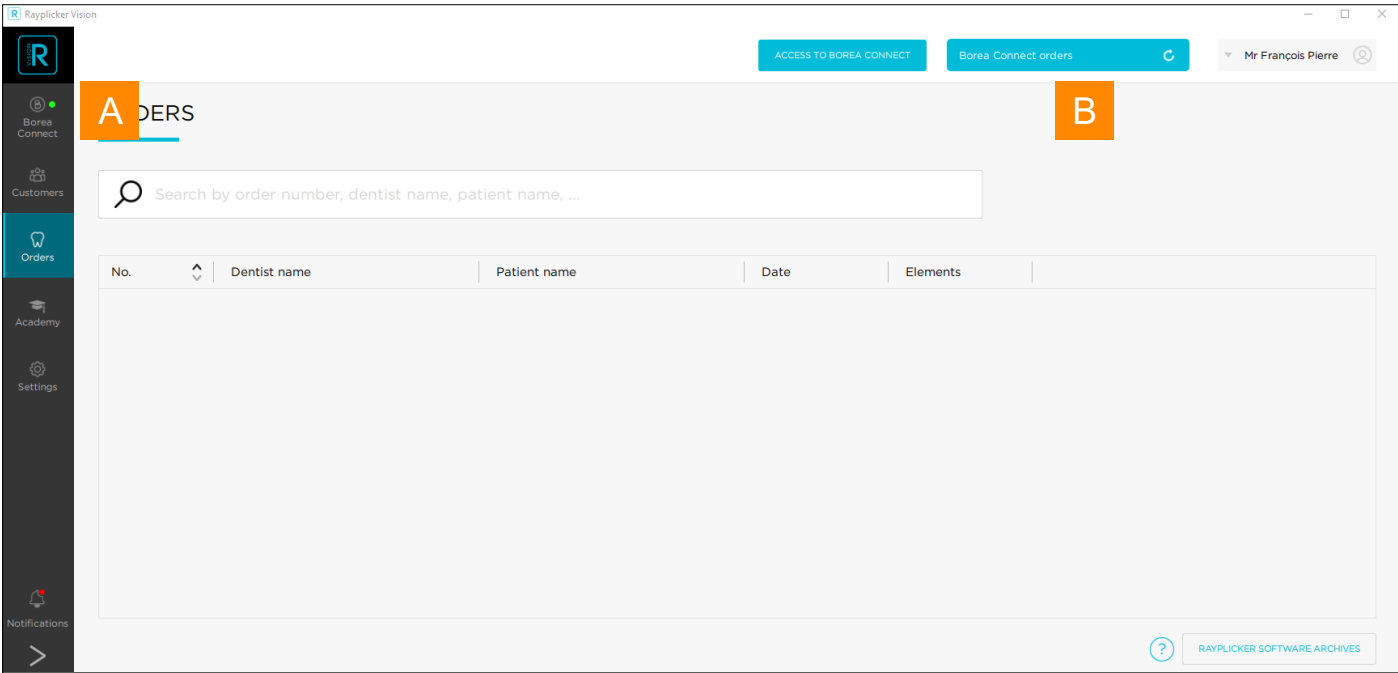
From the Borea Connect order tab, click on the below icon to save the order in a .zip folder containing the different order files.



This download solution is available for dentist and laboratory accounts.

6.2. Receive the order on the Raypicker Vision

6.2.1. Order tab



On the laboratory account, go to the «Orders» tab, log in to Borea Connect if it is not done yet. Then, click at the top right on «Borea Connect orders» to display the newly received orders. Then select the order(s) to be imported and and click on «IMPORT».

<div>A</div>	Log in to Borea Connect								
<div>B</div>	<p>Click on «BOREA CONNECT ORDERS» to open a new window that shows the orders received on the Borea Connect.</p> <div>Borea Connect orders 5</div>								
<div><div><div>BOREA CONNECT ORDERS</div><table><tr><th>No.</th><th>Dental practice</th><th>Patient name</th><th></th></tr><tr><td>639</td><td>Dentist BOREA</td><td>William Smith</td><td><input type="checkbox"/></td></tr></table></div><div><div>↑</div><div>↓</div><div><div>CANCEL</div><div>IMPORT</div></div></div></div>	No.	Dental practice	Patient name		639	Dentist BOREA	William Smith	<input type="checkbox"/>	<p>Select the order(s) and click on «IMPORT».</p> <div>IMPORT</div>
No.	Dental practice	Patient name							
639	Dentist BOREA	William Smith	<input type="checkbox"/>						

When the downloaded order appears, it is indicated as «NEW».

The screenshot shows the 'ORDERS' tab in the Rayplicker Vision software. The interface includes a sidebar with navigation options: Borea Connect, Customers, Orders (selected), Academy, and Settings. The main area has a search bar and a table of orders. The table has columns: No., Dentist name, Patient name, Date, Elements, and a status column. Order 639 is highlighted, and an orange arrow points to the 'NEW' label in the status column.

No.	Dentist name	Patient name	Date	Elements	
639	Dentist BOREA	William Smith	19/01/2022	R	NEW

Click on one of them to expand the list of available elements (shade, patient photo, 3D files, .pdf file), then on «OPEN» to view it. For a detailed explanation of the shade viewer: see [«3.1.3. Shade viewer», page 35](#)

The screenshot shows the 'ORDERS' tab in the Rayplicker Vision software. The interface is similar to the previous one, but the table shows order 638. The 'Elements' column for order 638 lists 'R', '22', '45 - 31', and '19/01/2022'. An orange arrow points to the 'OPEN' button in the 'Elements' column.

No.	Dentist name	Patient name	Date	Elements	
638	Dentist BOREA	William Smith	19/01/2022	R	OPEN
		22	14/01/2022		
		45 - 31	14/01/2022		
		19/01/2022			

## 6.2.2. Manage customers

As orders received from practitioners are imported from Borea Connect into your Rayplicker Vision software, they are saved and accessible by customer name under the «Customers» tab.

The screenshot shows the 'CUSTOMERS' tab in the Rayplicker Vision software. The interface includes a sidebar with navigation options: Borea Connect, Customers (selected), Orders, Academy, and Settings. The main area has a search bar and a table of customers. The table has columns: Last Name - First name, Email, and Phone.

Last Name - First name	Email	Phone
Dentist BOREA	contact@borea-dental.com	0982717161



A click on the name of the dental practice allows you to view or sort the items and orders sent by the latter.

The screenshot shows the 'DENTIST BOREA' interface. At the top right, there are buttons for 'IMPORT (.rpk)', 'ADD PICTURE', 'ADD 3D', and 'ADD SHADE'. Below these, there are tabs for 'ELEMENTS' and 'ORDERS', with 'ORDERS' being the active tab. On the left, under 'Order sorting tools', there is a 'Date' dropdown menu and a 'Search' input field. Below this, there are radio buttons for 'Sort by date' with options 'Newest' (selected) and 'Oldest'. There are also radio buttons for 'Hide orders' with options 'more than 15 days', 'more than 3 month', 'more than 1 month', and 'more than 6 month'. The main table displays a list of orders with columns: 'No.', 'Date / Time', 'Patient name', and 'Elements'. The first row shows order number 638, dated 19/01/2022, for patient William Smith, with elements 'R', a cube icon, and a document icon.

No.	Date / Time	Patient name	Elements
638	19/01/2022	William Smith	R, [cube icon], [document icon]

## 7. ANNEX

### 7.1 Port configuration

If the computer is behind a firewall or a network device, such as a router, it may be necessary to modify the configuration to allow the Rayplicker device or the Rayplicker mobile application to communicate with the Rayplicker Vision software on the computer.

This operation is sometimes called “port opening”.

Rayplicker Vision software needs the following ports to be opened :

#### (Mandatory for using Rayplicker Vision software)

- Port 30570 (TCP) and 30571 (UDP)

#### Rayplicker mobile application «Rayplicker Pics App Solution»:

- Port 7777 (UDP et TCP)
- Port 7778 (UDP et TCP)

#### Communication Cobra:

Protocols:

- TCP (ports: 6050/6051)
- UDP (ports: 6050/6051)

#### Stream Cobra:

Protocols (Note that the protocols below are used for RTP [Real-Time Protocol] and RTSP [Real-Time Streaming Protocol]):

- TCP (port: 1234)
- UDP (port: 1234)

**Attention:**

Firewall exception must be set for Rayplicker Vision application otherwise Cobra streaming cannot be played

**Upload/download to/from Cobra device:**

Protocol: FTP (port: 21)

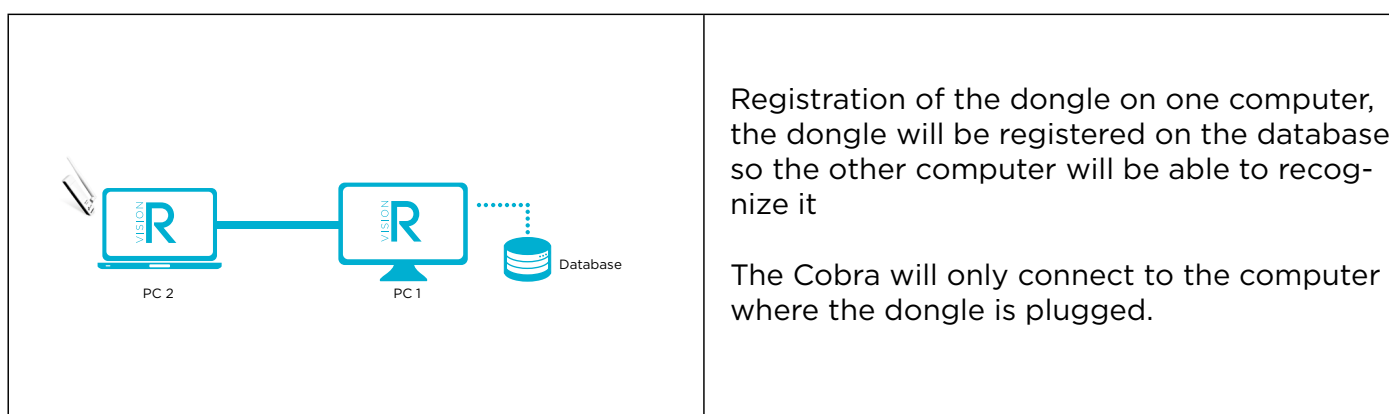
**Note :**

Communications between the different elements of the Rayplicker solution take place on the local network. All the different elements of the Rayplicker Vision solution need to be connected to the same local network.

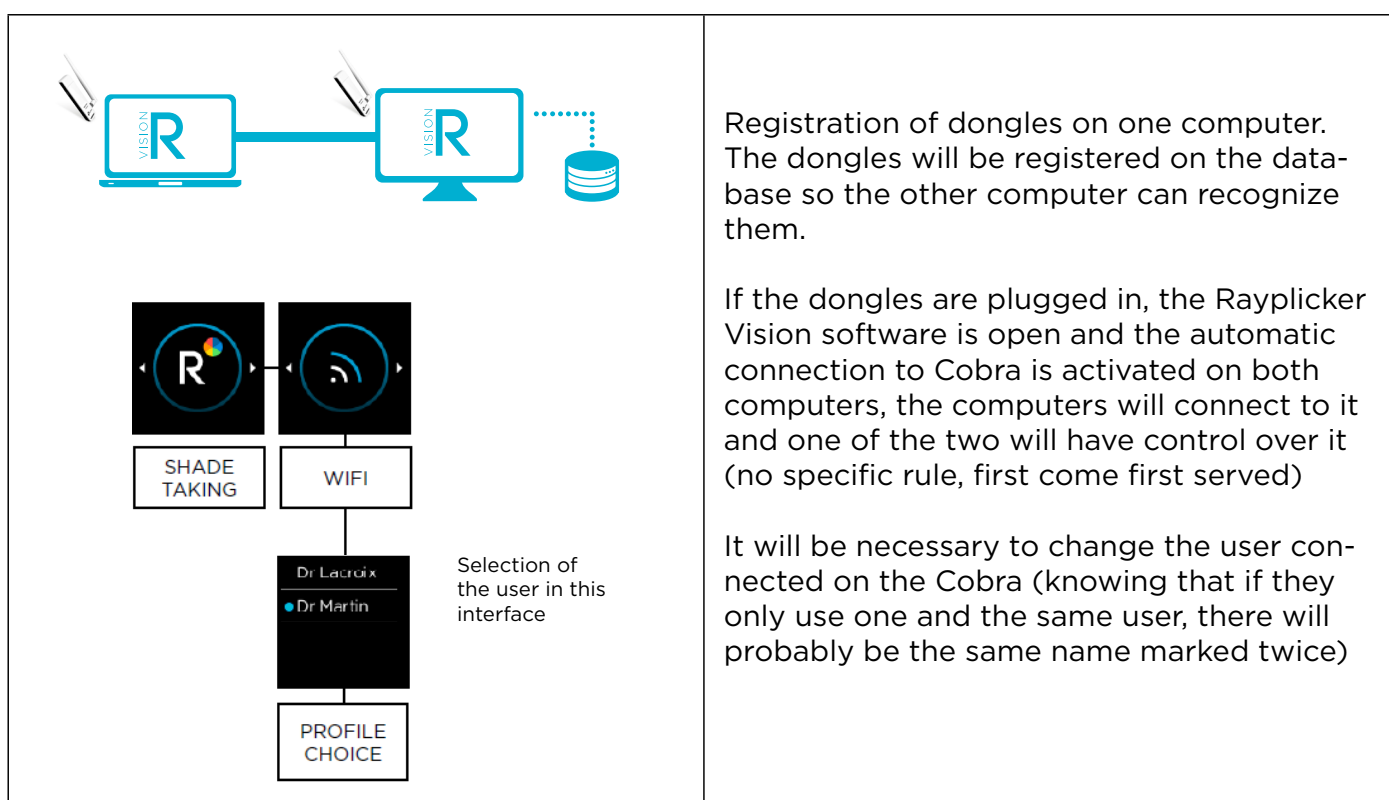
If you encounter difficulties to configure your network, call your network administrator or your internet provider to open the ports above, used by the Rayplicker solution.

## 7.2 Multiple users configurations

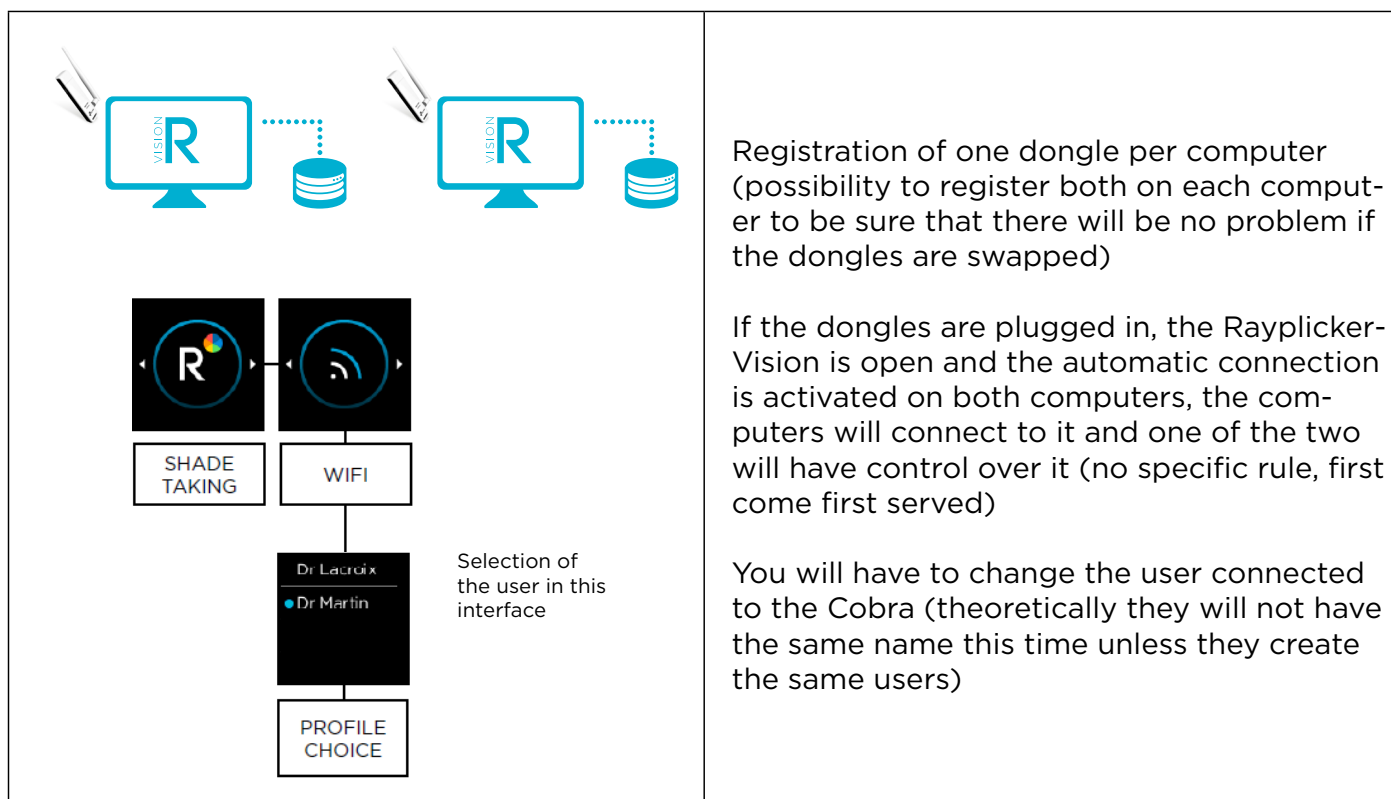
### 7.2.1. Case with 1 dongle 1 database 2 computers



### 7.2.2. Case with 2 dongles 1 database 2 computers



### 7.2.3. Case with 2 dongles 2 databases 2 computers



## 7.3 Regulatory



The Rayplicker Vision has the CE mark in accordance with regulation (EU) 2017/745 relating to class I medical devices.

Manufacturer: Borea SAS

Borea designs, develops and markets the Rayplicker Vision and the Borea connect.

Borea undertakes to carry out repair actions in accordance with the conditions of sale.

Here is the list of harmonized standards and common specifications applied to the Rayplicker Vision and the Borea Connect platform :

#### ISO 13485

Medical devices - Quality management systems - Requirements for regulatory purposes.

#### ISO 14971

Medical devices — Application of risk management to medical devices

#### NF EN 62304

Medical device software – Software life-cycle processes

#### NF EN 62366-1

Medical devices – Part 1: Application of usability engineering to medical devices

## 7.4 General Data Protection Regulation

The BOREA company provides the User of the software with a means of collecting and transmitting data and is, as such, considered as a service provider and is therefore not responsible for the processing of personal data.

However, BOREA in its capacity as service provider, informs the User that it is required to take all necessary measures with national or international organizations for the protection and security of personal data (CNIL, etc.) in order to preserve the rights of the persons whose personal data may be collected and transmitted to another user.

The User of this software must ensure that the patient consents to the collection of his personal data. In accordance with the computer and freedom laws, the person whose personal information has been collected retains the right to access and modify this information.

It should be noted that this personal data is collected by the User for the sole purpose of benefiting from the information of a person's tooth shade with a view to prosthetic production. For the same purpose, this personal data may also be transmitted by a User to another User of his choice.

BOREA informs the User that the data collected is temporarily stored in a data exchange space (Cloud) for the time necessary for the prosthesis to be produced.

The data exchanged is not sensitive data. These data are encrypted and access to this database is controlled. These data are automatically deleted from the data exchange space at the end of the prosthetic production. Only local copies are kept. Using the cloud, data is encrypted and stored only temporarily.

The data includes:

- Information relating to the colorimetry of the patient's tooth.
- The patient's data, they are personal but not medical (name, age, photo).
- Data relating to prosthesis orders (dentist, prosthetist, product ordered, etc.)

## 7.5 Contact

BOREA SAS,  
6 Allée Duke Ellington, 87100 Limoges Cedex, FRANCE.  
+33 (0)5 44 00 01 70 - [contact@borea-dental.com](mailto:contact@borea-dental.com) - [www.borea-dental.com](http://www.borea-dental.com)