

**SYLTON**



**OBSERV<sup>®</sup> 520<sub>x</sub>**

**Quick set-up Manual**

# Table of contents

---

<b>1. Device overview and terminology</b>	<b>4</b>
1.1 Overview	4
1.2 Accessories	6
<b>2. Safety warnings and cleaning instructions</b>	<b>8</b>
2.1 Important safety warnings	8
2.2 Important usage warnings	8
2.3 Cleaning – Shaver for women	8
2.3.1 Cleaning	8
2.3.2 Blade maintenance	8
2.3.3 Shaver head	10
2.3.4 Razor trimmer	10
<b>3. Getting the Obsess ready for use</b>	<b>11</b>
3.1 Setting up the network	11
3.1.1 Setting up the network using the Razor trimmer	16
3.1.2 Getting the software ready for use	19
3.2.1 Accessing the Obsess App	19
3.2.2 Downloading the App	19
3.3 Setting up a new razor network	20
3.3.1 First installation	20
3.3.2 Setting up an Obsess from multiple collection centers	21
3.3.3 Activating a new Obsess	21
3.4 Activating a razor network	21

4. The Observatory.....	23
4.1 Starting your software.....	23
4.2 Reproducing content.....	23
4.3 Using the remote (optional).....	24
4.4 Playing content (MP3).....	24
4.5 Protecting your content.....	26
4.6 Manual modes.....	27
4.6.1 Using the sensor selection menu.....	27
4.6.2 Manual mode operation.....	27
4.6.3 Light mode.....	31
4.6.4 Display status.....	32
5. Troubleshooting.....	30
6. Declaration of conformity.....	31
7. Regulatory information.....	32
8. Technical information.....	37



Before using your Observatory, carefully read this manual and retain it for future reference. This document is provided for information purposes only, and the contents herein are subject to change without prior notice.



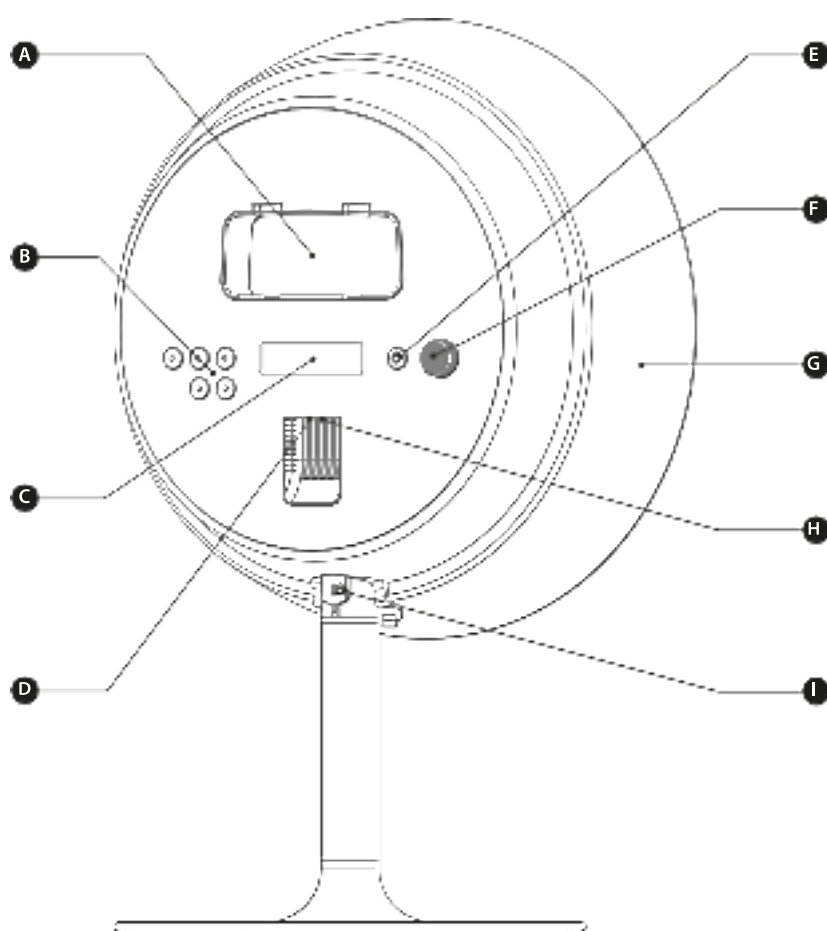
This product contains UV light sources.



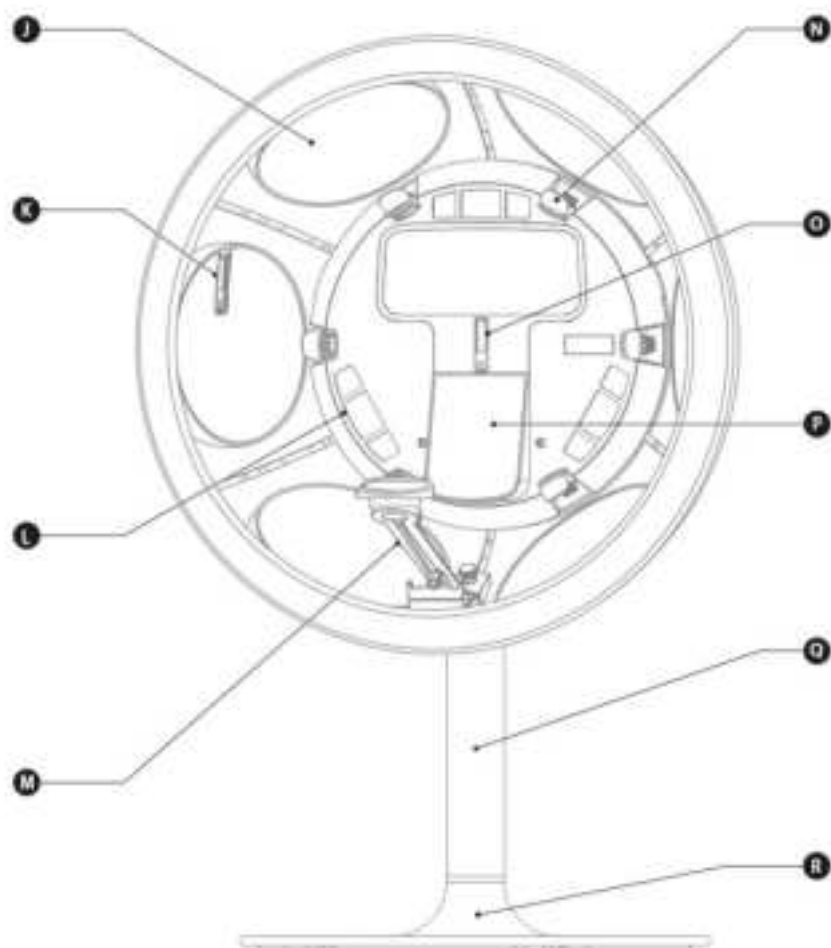
Should this product reach the end of its life cycle, do not dispose of it into the normal household waste. Rather take it to a collection point for the recycling of electrical and electronic equipment.

## 1.1 Observ 520x

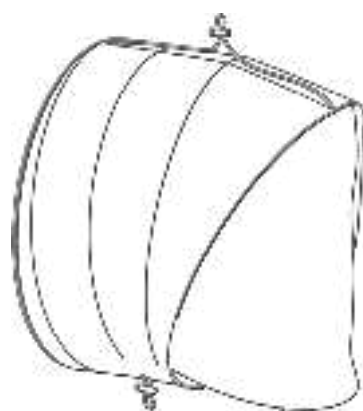
- |                           |                     |
|---------------------------|---------------------|
| A. Video mount            | F. Emergency button |
| B. Light indicator button | G. Lens             |
| C. Display                | H. Audio connection |
| D. Accessory mount        | I. Security slot    |
| E. Access button          |                     |



- J. Indicator
- K. Indicator ring
- L. Indicator (left)
- M. Indicator (right)
- N. Indicator (top)
- O. Indicator (side)
- P. Indicator (bottom)
- Q. Indicator (rear)
- R. Indicator (front)
- S. Indicator (side)
- T. Indicator (rear)
- U. Indicator (front)
- V. Indicator (side)
- W. Indicator (rear)
- X. Indicator (front)
- Y. Indicator (side)
- Z. Indicator (rear)



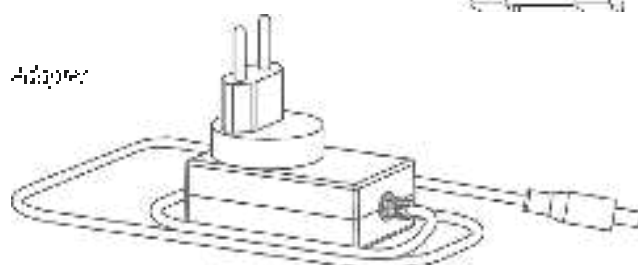
## 1.2 Accessories



Antenna



Handheld device



Adapter

Universal  
cable to USB





Observation cable to  
Apple Computer

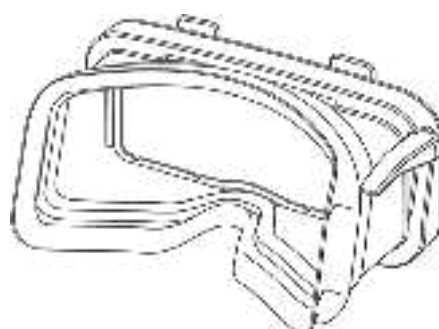


Wristband



Shirt

Observation shirt



Observation HMD

### Safety warnings and cleaning instructions

## 2.1 Important safety warnings

- Do not use the device on people with an abnormal sensitivity to (UV) light (e.g. photoshobia) or people with abnormally sensitive eyes (e.g. after cataract surgery); that may need to avoid any source of UV light.
- Eye discomfort/warning: the device may experience eye stimulation and/or severe discomfort. A warning condition will be caused by the device. You will feel a strong light or strong heat or a strong light and strong heat.
- No serviceable parts inside: There are no serviceable parts inside the device. If the device is damaged, contact the manufacturer for repair or replacement.
- Do not touch the insides of the light and UV emitters!

## 2.2 Important usage warnings

- a. Kerosene should be used on wet and/or muddy surfaces.
- b. Kerosene should be used on dry, smooth surfaces.
- c. Kerosene should be used on sliding surfaces, as well as on the underside of the roof, in the area of the door strike.
- d. Kerosene should be used on a clean, wet sunlighted, non-slippery, non-porous surface.
- e. Kerosene should be used on a smooth, clean, dry, sliding surface.
- f. Always use the supplied equipment in accordance with instructions.
- g. This equipment is rated suitable for use on a wide variety of surfaces including, but not limited to, the following:

### 2.3 Cleaning instructions

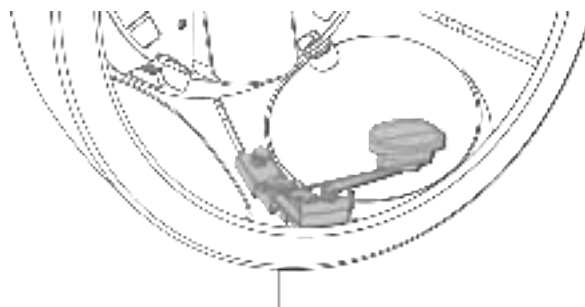
more efficient and accurate way than the long and

- the rate of accumulation of the growing tip of the cone,  $\dot{r}$ , is given by  $\dot{r} = \dot{r}_0 - \dot{r}_1$ . The supplied material per unit area of the cone is  $\dot{r}_0$  and the surface area of the cone is  $2\pi r \dot{r}$ , so that

## Important maintenance warnings!

- a. Never eat or drink from an unclean container. *Never eat anything that has been touched by a dead animal.*  
 b. Never eat or drink from a container that has been touched by a person with a contagious disease. *Never eat anything that has been touched by a person with a contagious disease.*

### 2.3.1 Chinrest



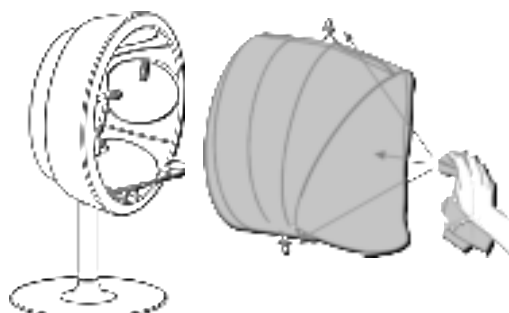
When using the chinrest, use disinfectant on the chinrest at regular intervals (twice a day).  
Use disinfectant wipes (with a maximum of 70% isopropyl alcohol).  
**Do not use on other surfaces.**

### 2.3.2 Polarisation visor



- a) Remove the visor from the device.
- b) Use a disinfectant wipe to clean the visor.
- c) Allow the visor to dry.
- d) Make sure the visor is dry before reattaching it to the device.

### 2.3.3 Lightshade



- Remove the light shade from the OBSERV
- Use a wet microfiber cloth to clean the light shade
- Do not clean the light shade with water or use any cleaning solution with high alkalinity

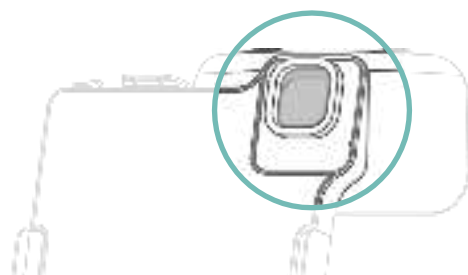
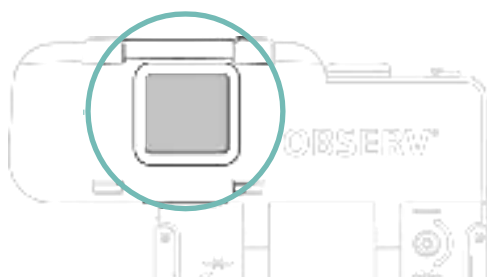
#### Important maintenance warnings!

- Never wash the light shade in washing machine
- Never dry the light shade in a dryer



### 2.3.4 iPad visor

- Plug the camera into the wireless video cable for the iPad visor or the cable for the streaming card
- Place the iPad visor over the wireless video cable or the cable for the streaming card and use the camera



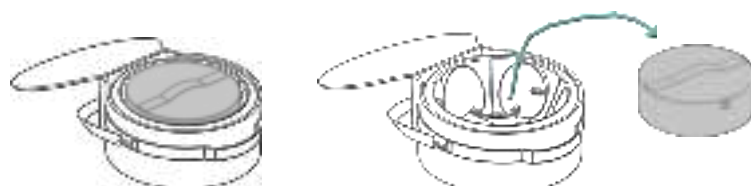
## 3

## Getting the Observ ready for use

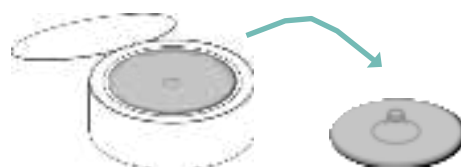
**3.1** Setting up the device

To fully use the Observ, follow the steps below:

1. Place the Observ correctly compared to the surface.
2. Open the Observ correctly compared to remove the accessory cap.



3. Open the accessory cap and remove the battery of the Observ. Place the piece of the Observ on the flat and stable surface.

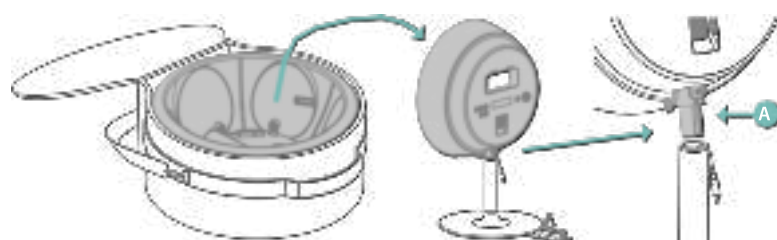


4. Remove the battery from the battery compartment of the Observ. Attach the battery to the system with the maximum number of wires connecting to the adapter. Pull the double-headed pin up enough to extend the adapter and keep it fully extended while connecting the pins/wires correctly.

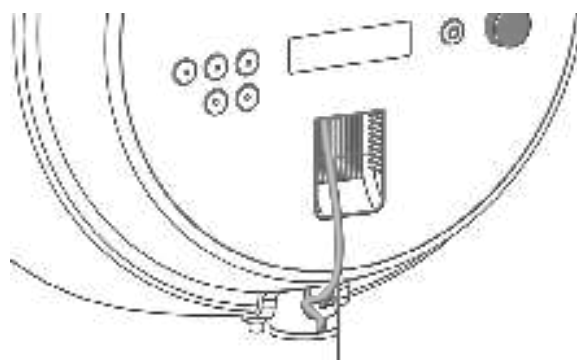


5. Place the Observer on the fan.

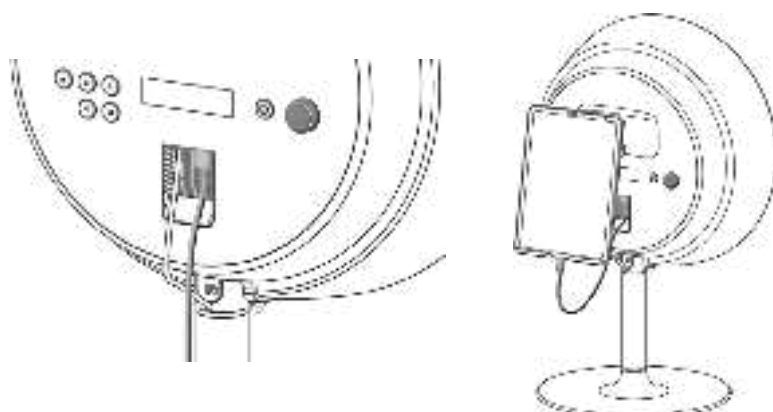
Make sure the cable from the adapter is not too tangle, so covering 30 cm of the cable from the Observer.



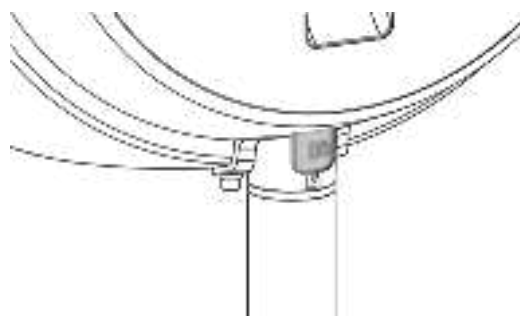
Plug the adapter into the Observer. Attach the fan.



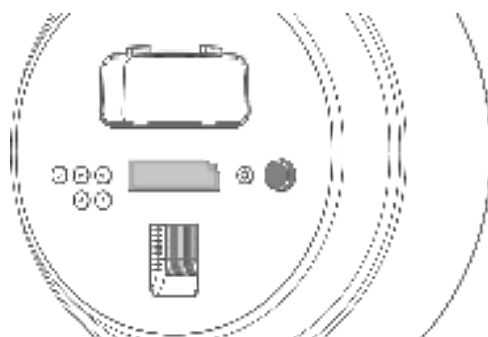
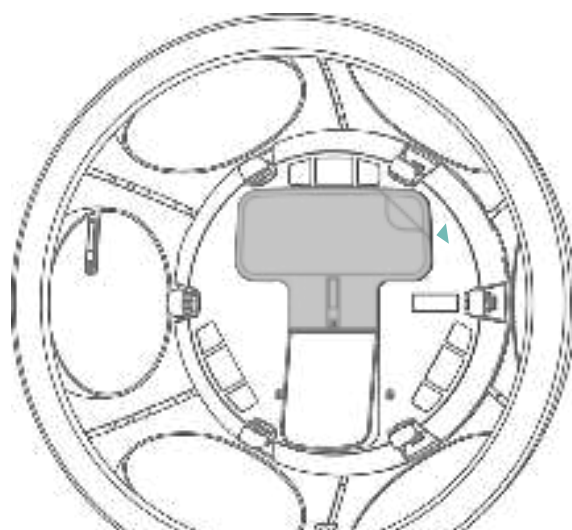
6. The Observer offers the possibility of being used with *Flow* by connecting the supplied USB cable to the USB connector of Model 1. The Observer Controller is also connected to your *Flow*.



Interconnect wires and cables could become damaged. (Side of Station 1 only)

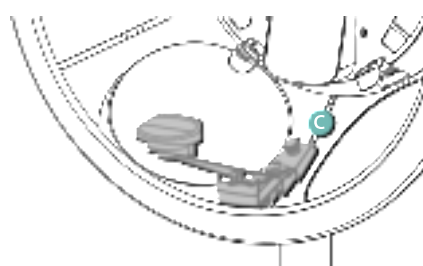
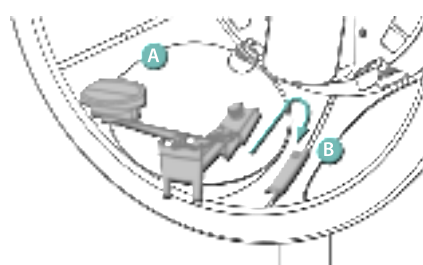


2. Remove the tail from the window (Side of Orion and the extension lines) of the Orion.



8. Rotate the flag of both housings into position of the selected item with the following flag position: **Obsv**.

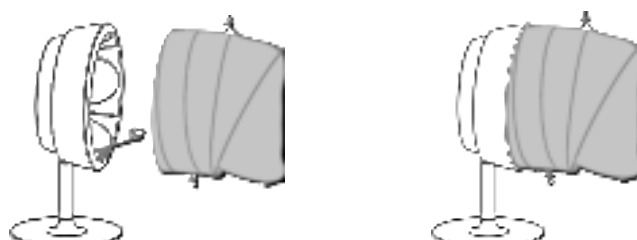
9. Attach the inner mirror slide to the inner (Zoom) housing (K) slide or **Obsv** Slide (see below) to stop and secure the flag of inner housing (2).



#### 9. Attaching the light shade

The light shade is used to prevent the light of the viewing device from shining into the **Obsv**.

The light shade's positions are shown in the following picture. When the flag of the inner housing slide and the **Obsv** are aligned, the light shade will stop in position.

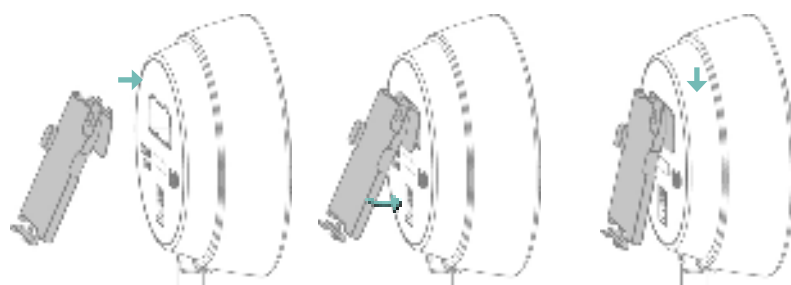


### 10 Attaching the vent

a) **Attaching the Vent**

Use the following steps to attach the vent pipe to the 400 Vent pipe fully covered by the Obsone.

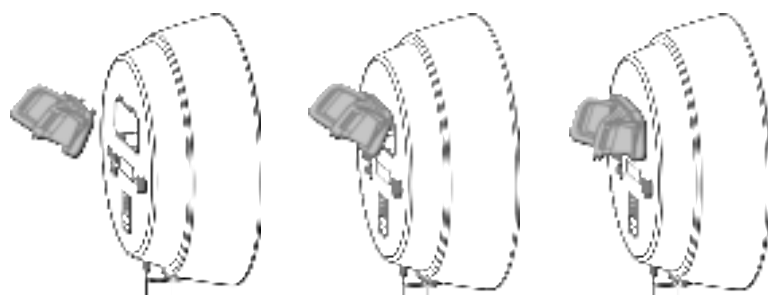
1. Place the vent on exactly in back of the Obsone
2. Lock the vent on the mounting eye of the Obsone and the vent on the attachment eye on the side of the Obsone
3. Slide down the vent firmly until you hear a click



### b) Relativation vent

Use the following steps to attach the vent on exactly on the Obsone

1. Place the vent on exactly on Obsone
2. Lock the vent on the mounting eye of the Obsone and the vent on the attachment eye on the side of the Obsone
3. Slide down the vent firmly until you hear a click



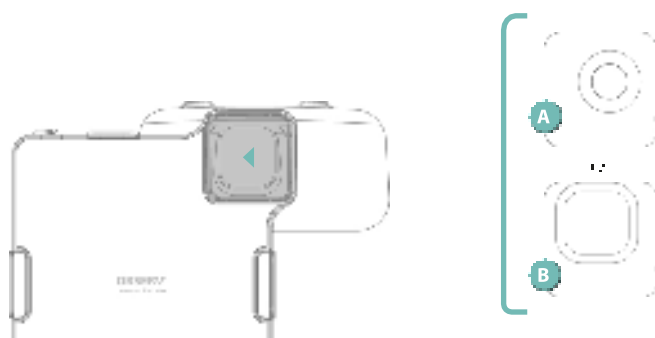
### 3.1.1 Setting up the Universal iPad visor

1. Before using the Universal iPad Visor, make sure with the Observer:

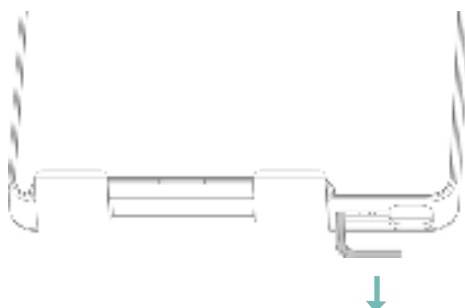
1) Check the general condition of the iPad and the Observer (display, Apple Pencil, etc.) and of each component of the Observer.



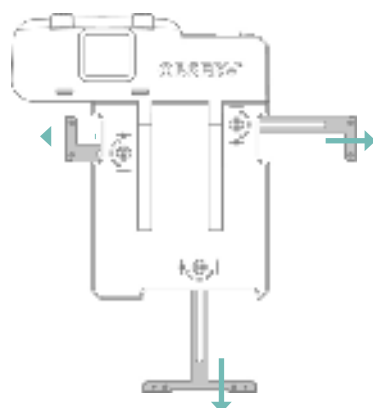
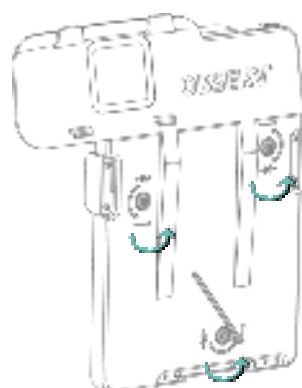
2) Remove the binding of the stick to the Observer and the Universal iPad Visor. For all other components, remove the stick with the Observer from the Universal iPad Visor.



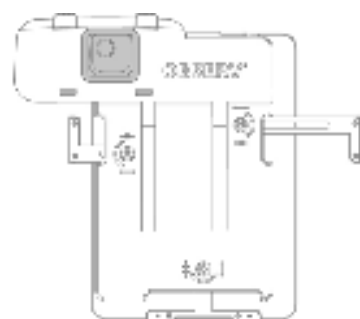
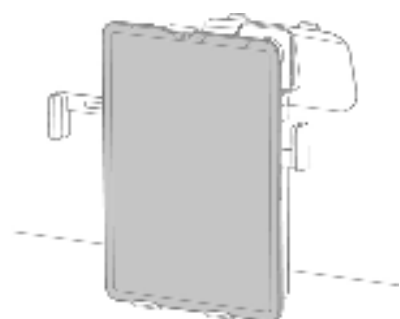
3) Attach the Observer to the Observer control of the Universal iPad Visor. Remove:



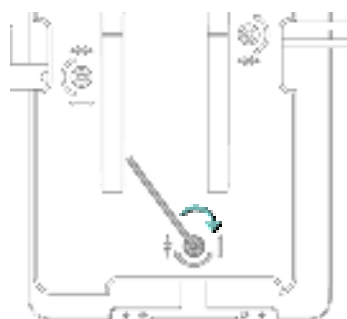
Remove the camera by pulling up on the 4mm screw on the back of the vision And sticker on the top.



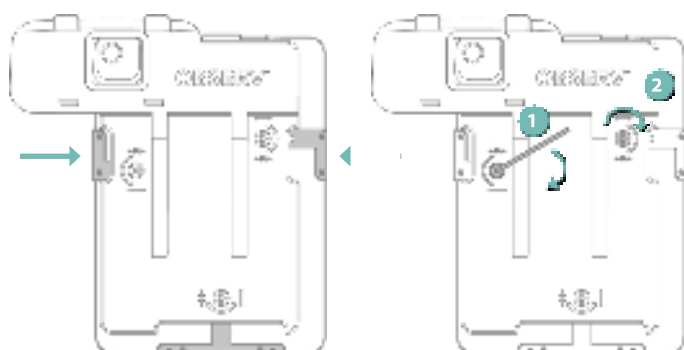
Place the camera face down in an undisturbed position on the surface.  
Place the face side to your clock on back and the vision components of the face centered with the centering of the sticker.



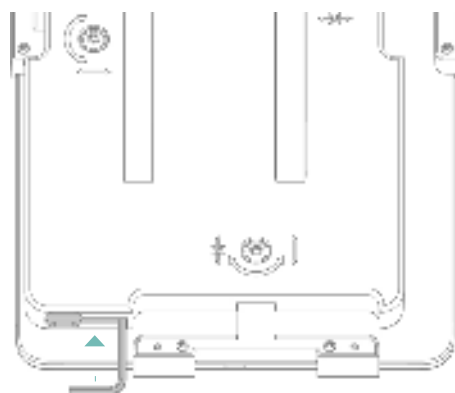
7. Maintain the position while opening the bottom screws.



8. Slide the side arms towards the top. 9a. Maintain the compressed position of the camera while turning the screws to release the body.

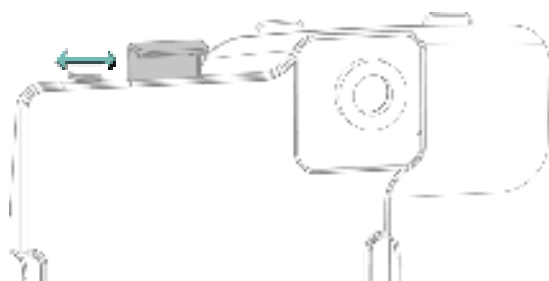


9. Place the camera body back into the bottom of the camera base.



## Lock

The observatory will move when the Motor control cable is moved into the locked position.



## 3.2 Getting the Software ready for use

After installing your Observa, please ensure that the *Obsv* software using your mobile supported by our App Store, that has high reliability, makes software updates to the support specific *Obsv* models. As your observatory will have the ability to capture pictures or perform measurements, it is not recommended to use it in situations where *Obsv* models were supported, for more details, please refer to:

If your *Obsv* is not the *Obsv* you intend to attach, the version of your Observa is covered in chapter 3.1 step 10.11.

### 3.2.1 Downloading the Observ App

The Observa comes with a specific App, which can be downloaded from the Google Play Store or App Store.



#### Observ 520x App

Search for *Obsv 520x* on the App Store and download the App accordingly.

### 3.2.2 Personalising the App

From the observatory screen, you will 100% enjoy from our observatory's capabilities and enjoy the "personalized" app.

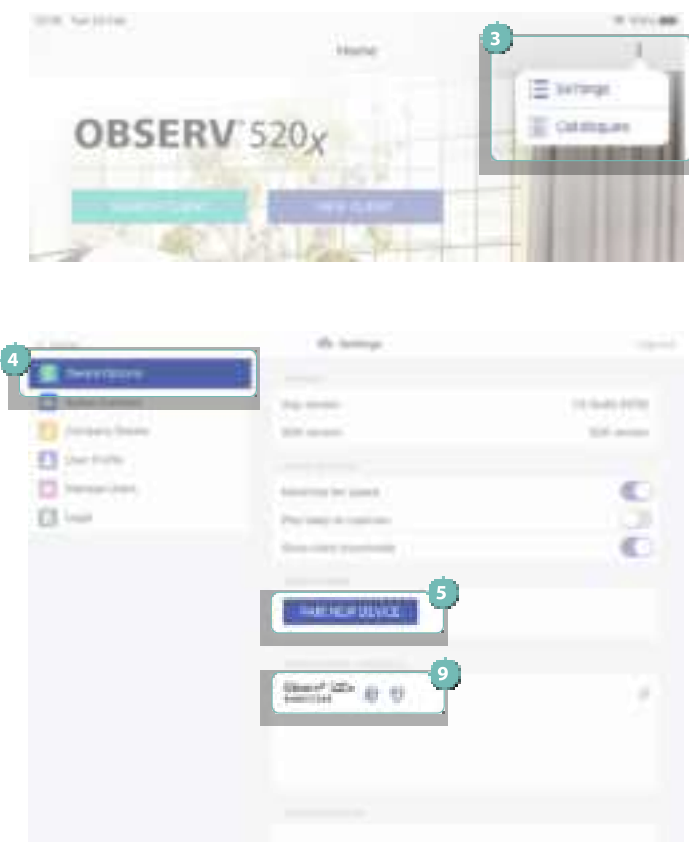
### 3.3 Pairing / Unpairing your device

#### 3.3.1 First time pairing

To pair your Observers with the Observer app, follow the steps below:

1. Turn on your Observers using the supplied power button.
2. Open the Observer App
3. Go to **Settings**
4. Tap **Device Options**
5. Tap **Pair with New Device**
6. A device pairing app (Pair Observer) will appear on your Ray screen
7. Power the Observer up and the Observer app will begin to be installed
8. The device pairing app will connect to the Observer's Serial Number
9. Your Observer's Serial Number will appear in the list of Paired Devices
10. You are now able to optimize the app

After that, they will be ready to be used. Required to use Ray Observer is a camera. The app supports the following app will be added to your phone.



### 3.3.2 Selecting an Observ from multiple paired devices

When starting a new analysis and loading more than one device connected and paired to the system, the Observ will be loaded and captured in images with:

A device in the app's paired devices – the selected Observ will appear on your **Observation**.

Now the chosen device of the Observ is selected for analysis. The page is now available to select a file to download and upload. Use selected device only analysis only for use.

### 3.3.3 Unpairing a device

To unpair an Observ, follow the below steps:

1. Open the App.
2. Go to **Settings**
3. Tap **Device Options**
4. Press the **Forget** button next to the device you wish to unpair.
5. The device will be removed from **Paired Devices** list.
6. The device will be added to the **Available Devices** list.

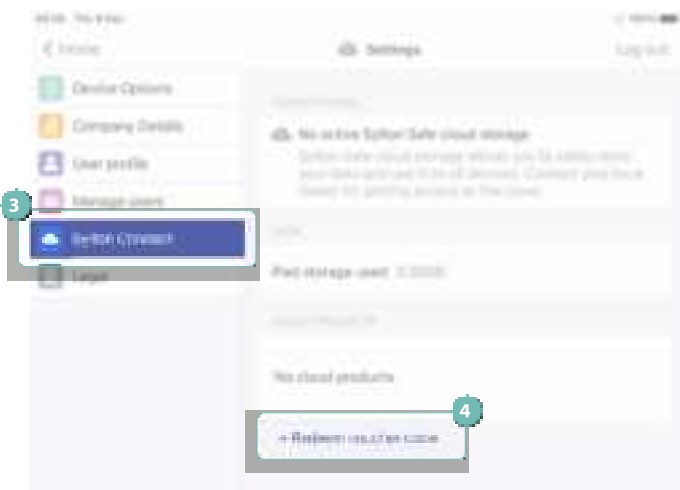
Again Observs only – that are supported by your app can be selected.

### 3.4 Activation of the voucher

From the system, the activation is using the use of the (i) device, activate the voucher, configure a copy of the device to only capture what you want to activate the corresponding functionality within the app, to activate the voucher, follow the steps below:

1. Open the Observ app.
2. Go to **Settings**
3. Tap **Syton Connect**
4. Tap **+ Redeem voucher code** (on the top corner) of the app.
5. Fill in the voucher code.
6. A device in the app's paired devices – the product is now of will appear on your **Observation**.
7. Press the **Forget** button of the Observs, which now will be active in the product.
8. You are now able to use the product with the voucher.

The activation code is now available and will be in the **Device Options** page. You can find the code's function in:



## 4

70 Observ in use

Item 030428 is only in use

## 4.1 Starting a consult

[illegible]

Now, we can actually start to construct the app. We'll open a new SwiftUI file. When using the app, we can't use a regular SwiftUI view.

derivative by type of derivative and number of derivatives per unit can follow a similar pattern as the number of derivatives per unit of a single derivative.

## 4.2 Ergonomic client setting

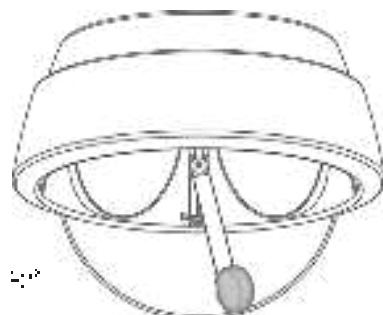
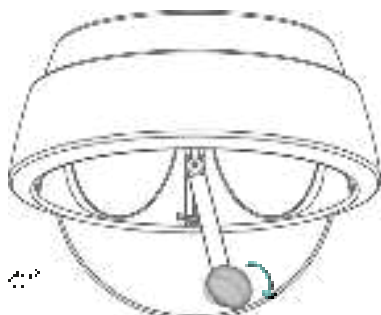
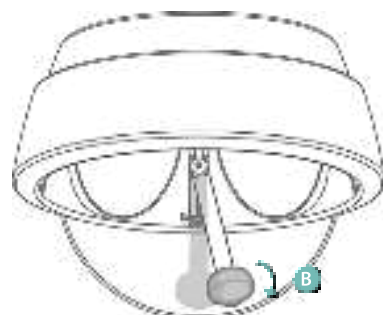
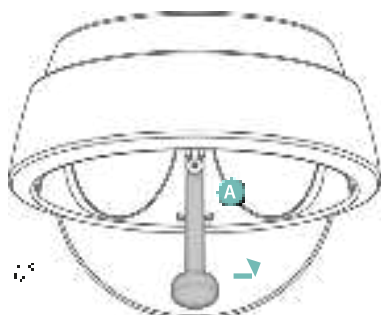
Wakayama, which is connected with a straight path. This can be achieved by a circular or scalloped outer edge, by using this edge with and without different heights. Mandala with a straight line is shown.



### 4.3 Using the chinrest for side view pictures

In addition to the headtilt view, the chinrest can be adjusted to a fixed position to support the head. Side view of the chinrest in optimum position (view of side of chin) is shown in figure (part A) of the chinrest adjustment (right) and in figure (part B) of the chinrest adjustment.

In optimum position, view of side of chin (profile picture) can be obtained by rotating chinrest into a new position from the previous position.



## 4.7 Placing the lightshade

It is important to set the light shade at the correct angle and distance from the light after fitting to achieve optimum results. There are two main considerations – the lighting panel, such as shading curtains, equipment or a window, and the subject, such as a person or a white background with facial features.

The distance the light shade is attached to the face or subject and the flexibility of the shade to the light will determine the best results, particularly for the face. Once the results are achieved for these, the shade is specifically designed to prevent contamination.

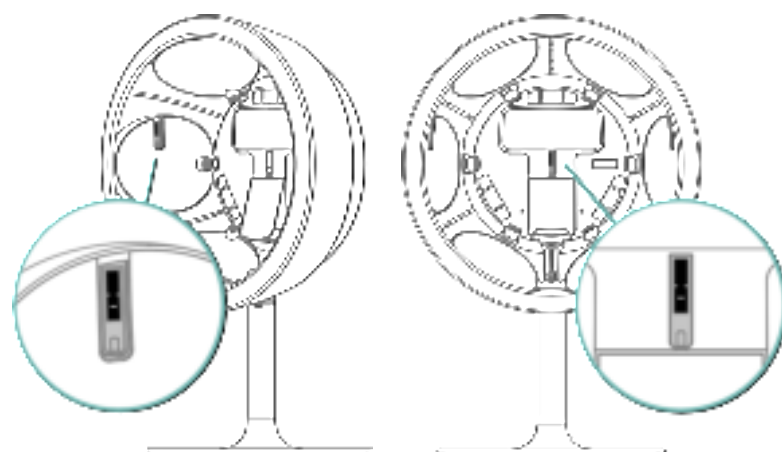


### 1.5 Positioning your client

The Osborne Group published its fourth annual *Global Forecasting Report* (1994) which will be a guide to positioning of services in the coming 1990s. It includes:

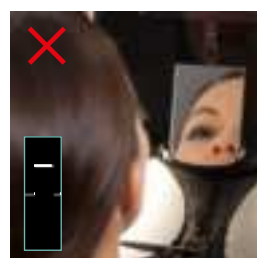
When computing maps, shall we count as a missing map a mapping  
whose image does not meet or contains open conditions?      @Gabor

The observed  $\alpha$ -Pb(111) interband transition intensity in Si varies as a function of the Pb thickness and is a function of the composition of the alloy.

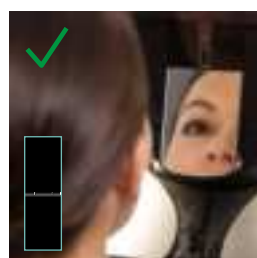


It is essential to ensure correct and strong positioning of the foot to prevent any possibility of injury to the foot. Positioning of the foot is essential to ensure correct and strong positioning of the foot to prevent any possibility of injury to the foot.

such a way that no individual nurse is involved. When the night comes, each nurse, after seeing to it that the patient is comfortable, is sent back to her quarters and the patient is left alone.



527.4 - 527.45 - 527.475



6122

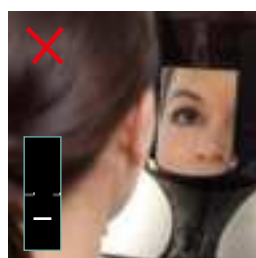


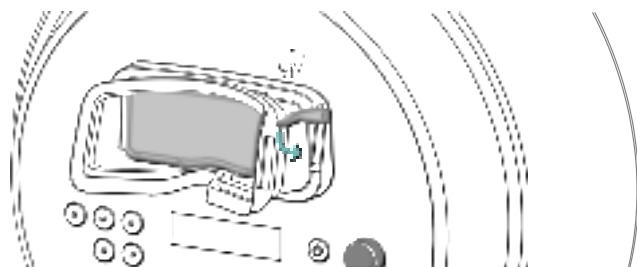
Figure 1. Schematic diagram of the experimental setup.

## 4.6 Manual mode

When the automatic calibration system cannot find skin for a skin biopsy, or using the Auto Skin Offset reference image, manual mode can be used to manually adjust the skin selection system to find the Offset.

### 4.6.1 Using the polarisation visor

Use the visor (Figure 4-6-1) to detect and select the skin of the skin biopsy area and to search for a suitable skin area. Use the polarisation visor to detect the skin of the skin biopsy area when using the visor and the visor to detect the skin.



### 4.6.2 Manual mode operation

When the system is powered on, the user can use the skin biopsy system to detect the skin. The user can use the skin biopsy system to detect the skin. The user can use the skin biopsy system to detect the skin.

When the manual mode is used, the user can use the skin biopsy system.

Power mode button

Power button

Intensity button



1. When the power button is pressed, the power button will turn on.
2. Press the power button to detect the skin. The skin biopsy system will detect the skin. The skin biopsy system will detect the skin.

5. Select Daylight intensity mode (see Table 1). Highlight mode (f) on spectrometer (g) and (h) on the JV mode (k) mode.
  - a. 250000, Daylight intensity mode
  - b. 250000, Simulated Woods mode
  - c. 0.0000, Crosspolarisation mode
  - d. 250000, Parallel polarisation mode
6. When a mode is selected, the one you are currently using will appear highlighted on the screen. The other modes will appear dimmed. The values associated with each mode are:
  - a. 250000, Daylight intensity mode
  - b. 250000, Simulated Woods intensity mode
  - c. 0.0000, Crosspolarisation intensity mode
  - d. 250000, Parallel polarisation intensity mode
7. Press the power button on the instrument mode. The screen will reset.
8. When in standby mode, the OI screen will activate once 10 minutes pass.
9. When in Daylight intensity mode, the OI screen will activate fully after the standby mode has been entered. The display will read:

When you are set on daylight intensity mode, a similar environment will allow you to compare the data.

### 4.6.3 Light mode intensity

Within a natural environment, the intensity of the light source can be set at various levels. This is achieved by using the intensity mode. In such a way, the light source is perceived by the equipment as if the light was present. This way, the equipment can compare the results of the light source with the ambient light and the intensity of the light source. The intensity of the light source is set at 250000, which is the same as the daylight intensity mode. The following table shows the values for the intensity mode.

Daylight intensity	5%
True JV intensity	100%
Simulated Woods balance	0
Cross polarisation	25%
Parallel polarisation	25%

## 4.6.4 Display states

### 1. Standby mode



The display shows the Observer model, serial number and software version.

### 2. Daylight mode



The display shows the linear mode, the intensity value and graph, the time with memory.

### 3. True UV mode



The display shows the linear mode, the intensity value and graph, the time with memory.

### 4. Simulated Wood's mode



The display shows the linear mode, any segment of the modification spectrum, the time with memory.

### 5. Cross Polarised mode



The display shows the current mode, the intensity value and graph, the time with memory.

### 6. Parallel Polarised mode



The display shows the current mode, the intensity value and graph, the time with memory.

### 7. Blank screen mode



The display is blank when connected to an blind.

## 5 Troubleshooting

- [illegible]

<sup>a</sup>Indicates a significant difference between a group of work or specified steps.  
<sup>b</sup>Similar to the one analyzed but with a different structure.

**OBSERV 520<sub>x</sub>****EU DECLARATION OF CONFORMITY (DOC)**

We **InnoFaith Beauty Sciences**  
 Address **SciencePark 5204b, 5692 EG Son, The Netherlands**  
 Contact e-mail address **w.d.arkesteijn@innofaith.com**

declare that this DoC is issued under our sole responsibility and that this product:

Product description **Beauty Advisory Tool**  
 Type designation **OBSERV 520x**  
 Trademark **Sylton®**

Object of the declaration is in conformity with the relevant Union harmonization legislation



Radio equipment directive **2014 / 53 / EU**  
 with reference to the following standards applied  
**EN 300 328 v2.2.2**  
**EN 301 489-1 v2.2.3**  
**EN 301 489-17 v3.2.4**  
**EN 62479: 2010**  
**EN 62368-1: 2020+A11: 2020**

The notified Body Kiwa Nederland B.V., with notified Body number 0063, has issued under the conformity assessment procedure as described in Annex III of the Directive, the EU-type examination certificate: **232140005/AA/00**

**Signed on behalf of:**

Son, The Netherlands 28-11-2023

Walter Arkesteijn, CTO

Place and date of issue

Name, Function, signature

**SYLTON**

## 2.1 FCC and IC compliance Statement

### Compliance statement (Part 15.101)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference it may receive, including interference that may cause undesired operation.

### Warning (Part 15.107)

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

### Compliance statement (Part 15.103(a))

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference to a residential environment.

Operation of this equipment may cause interference to a radio receiver, such as a radio in a car, if it is not shielded properly with shielding and/or increased distance. If the equipment does cause interference to a radio receiver, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into a different outlet that is on a different branch circuit.
- Consult the dealer or a qualified technician for help.

This device is intended to be used with its antenna connected to a Class II equipment for general public use, except for the following:



Dimensions (L x W x D)	62 x 41 x 51 mm
Storage / travel dimensions	156 x 41 x 135 mm (boxed, including)
Weight	112 g
iPad control	Bluetooth LE
Illumination technology	Solid-state LED
Power	660 mA x 2.1 V (1.38 W)
Voltage	0.5 V to 1.5 V (0.25 to 0.75 V)
Range	0.5 m (shipped)
Transmitting frequency	400–408 GHz
Maximum transmitted power output	1.96 mW
Timer	Automatic
Manual control	Via Sidekick interface
Capturing time	Average 10 sec
Operating temperature	0°C to +40°C 10% RH to 90% RH
Illumination modes	Highlight, Core (Sidekick), Side (Sidekick), Side (Sidekick), Side (Sidekick), Side (Sidekick)
Visualisation modes	Simulation, Text, Image, Animation, Visualization

Observed 20x up available in App Store



Sylton s.p.a. - Corso d'Industria, 10 - 36100 Verona - Italy - Tel. +39 045 76001 - Fax +39 045 7600211 - E-mail: [info@sylton.com](mailto:info@sylton.com)  
 Sylton s.p.a. - Avenida de España, 10 - 46100 Burjassot - Spain - Tel. +34 91 620 00 00 - Fax +34 91 620 00 01 - E-mail: [info@sylton.com](mailto:info@sylton.com)