



CLOUD

TECNICAL MANUAL

VITRUM DESIGN

Index

Version: July 2022

Copyright 2019©Vitrum Design s.r.l. All rights reserved
Dimensions, color tones and characteristics of the products depicted are purely indicative and do not constitute any contractual obligation. Vitrum Design s.r.l. reserves the right to modify and update products at any time and without notice.

About us



Our company

Vitrum Design is a Made in Italy company, we make technology revolution plus italian design the center of our smart home technology. A complete collection of electronics with italian design faceplates and a eco friendly approach. We make your everyday life easier, with a simple and stable home life technology. Upgrade your

classic switches with ours smart and iconic ones, that reduce your home consume and make it easy.

Vitrum Design contributes for a more sustainable lifestyle model: for a future we want to live.

5



Pre - sales



Tailor made project

With a floor plan, Vitrum Design team will create a tailor made quote, and a smart home project for managing all the function you want, clima control, shuttters, lights, scenarios and automation.

A socket plan and quote can be provided with matched frame.

Tailor made quotes

Vitrum Design offer the possibility to customize evry single sspect of the project, by choosing the color of the aesthetics and the frame, from a RAL color palette, or by giving a texture. All keys are customizable with icons or by choosing the color of the RGB led.

The projec is gonong to be always updated with the last mmodification

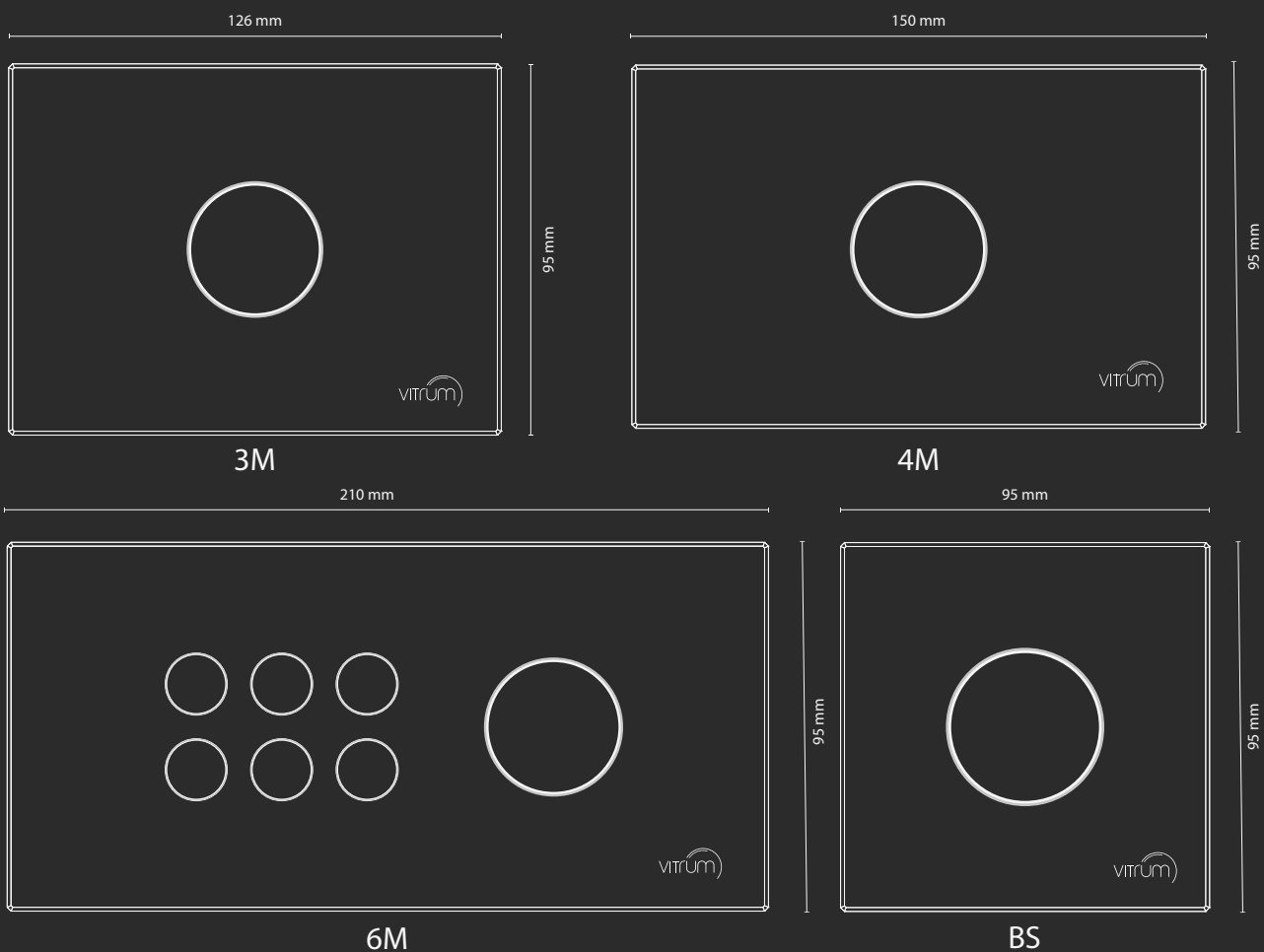
Collections

GLASS

STONE

TECH sense

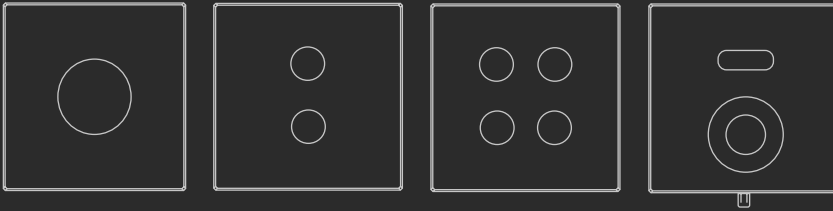
Formats



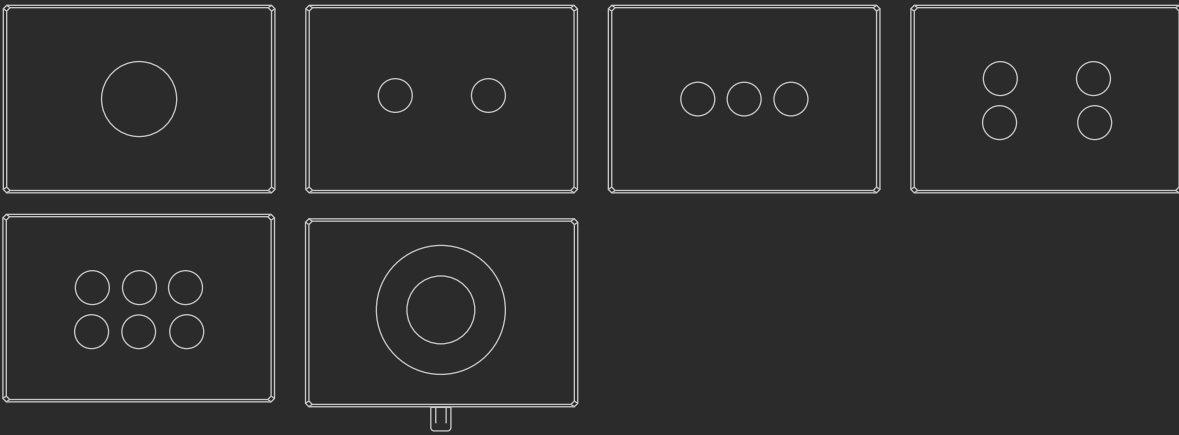
VITRUM DESIGN

Controls

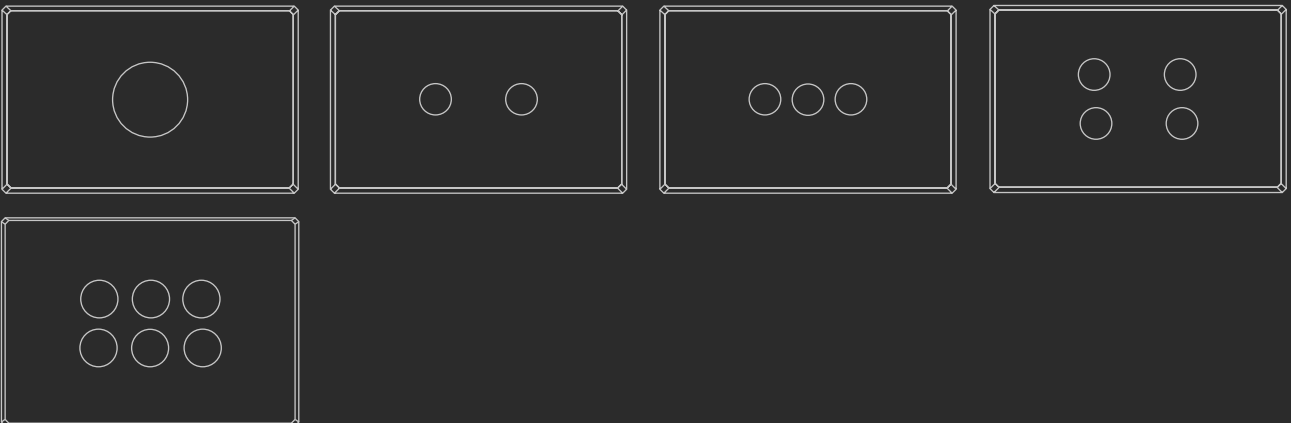
BS - RD



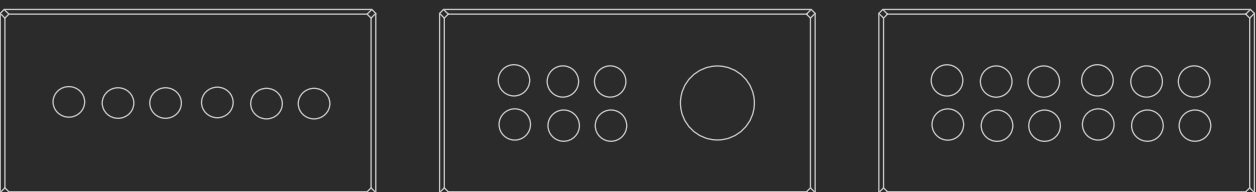
EU 3M



EU 4M



EU 6M



GLASS

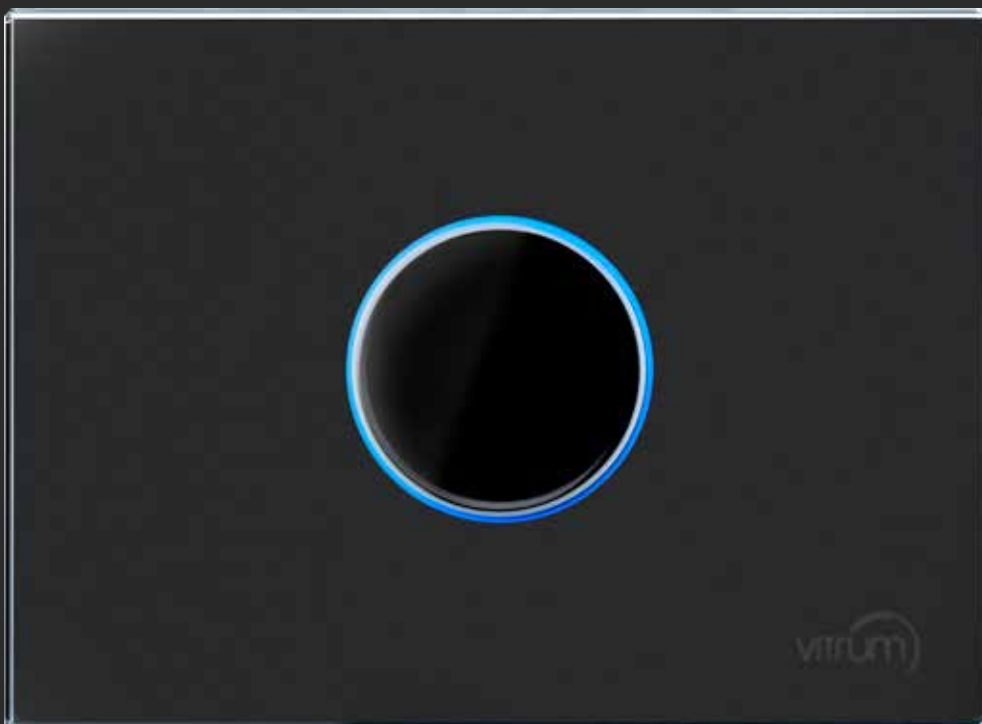
Transparency, brilliance, luminosity:

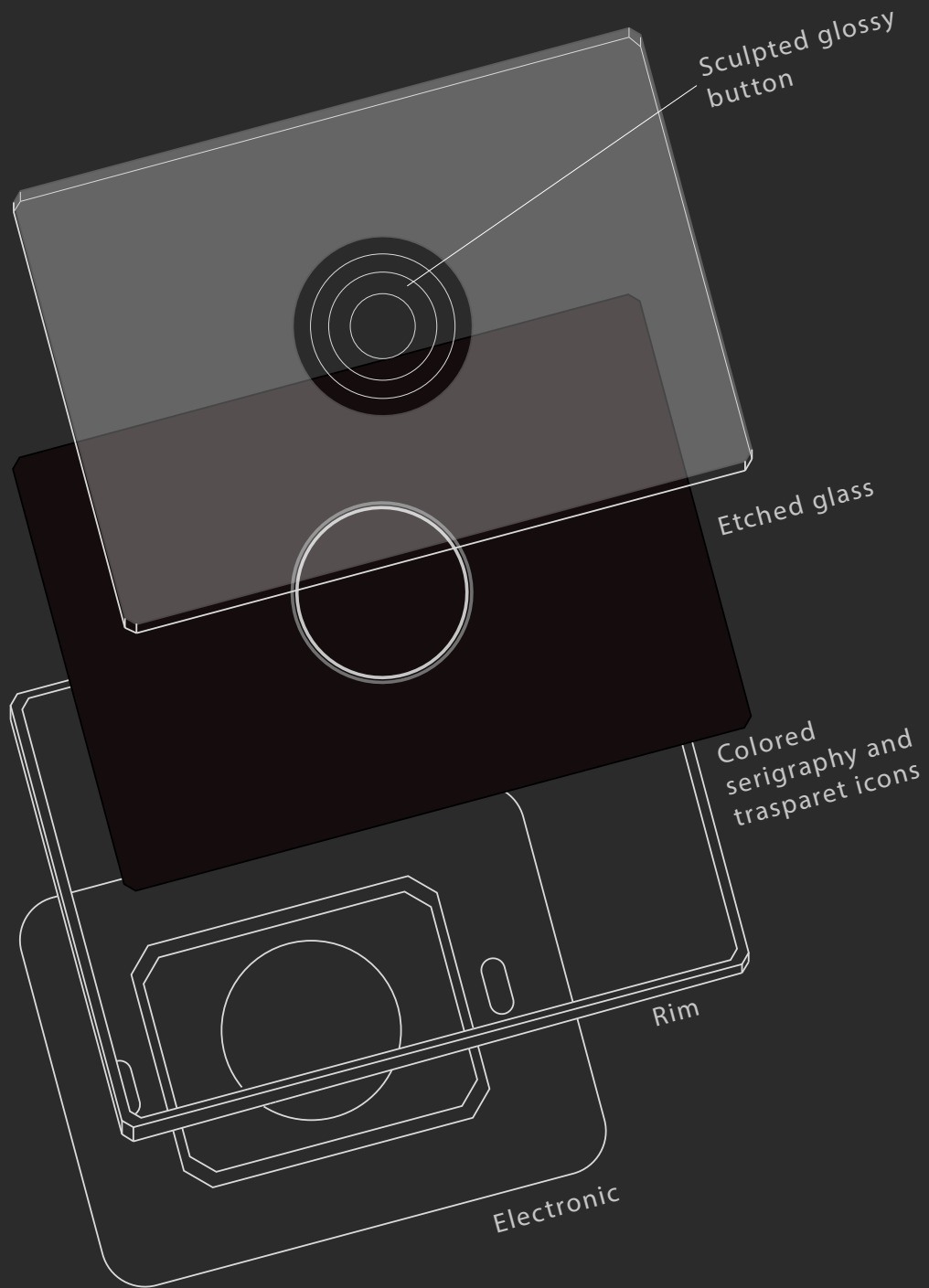
Glass is where the concept of Vitrum Design originates and finds its primordial expression.

The result is totally unique. The senses of touch and sight come together in this unique aesthetic, the soft surface of the etched glass make a contrast with the smooth and shiny sculpted buttons, the

fingers are invited to the buttons naturally.

The shining button keep the attention on it, and the backlight make it visible even in the dark, the lights are available in seven colors. Match the color of the backlit with functions, customize the aesthetics with icons.





GLASS

The Glass is available in three standard colors, white, black and sand, but you can choose from 190 RAL colors available on our price list, or provide us with a personal color. The frame, is available in

two standard colors, black and satin silver. Like all the aesthetic Vitrum Design also the Glass collection uses the touch technology, the keys are no longer mechanical, a soft touch is enough



Sculpted buttons



Custom colors



Clima control available



Custom icons



Backlit

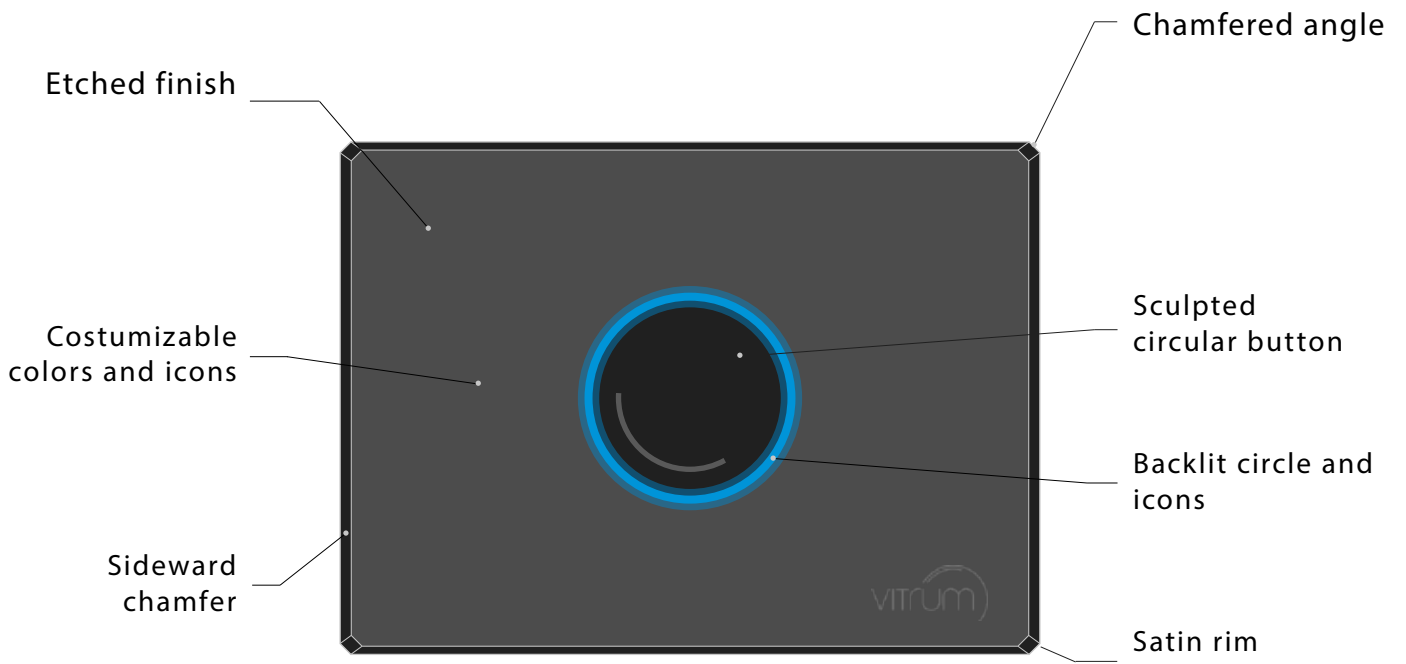


Touch tecnology



Acoustic feedback

COLLECTION



Standard colors



White



Sand



Black

Costum colors



+ 190RAL

13

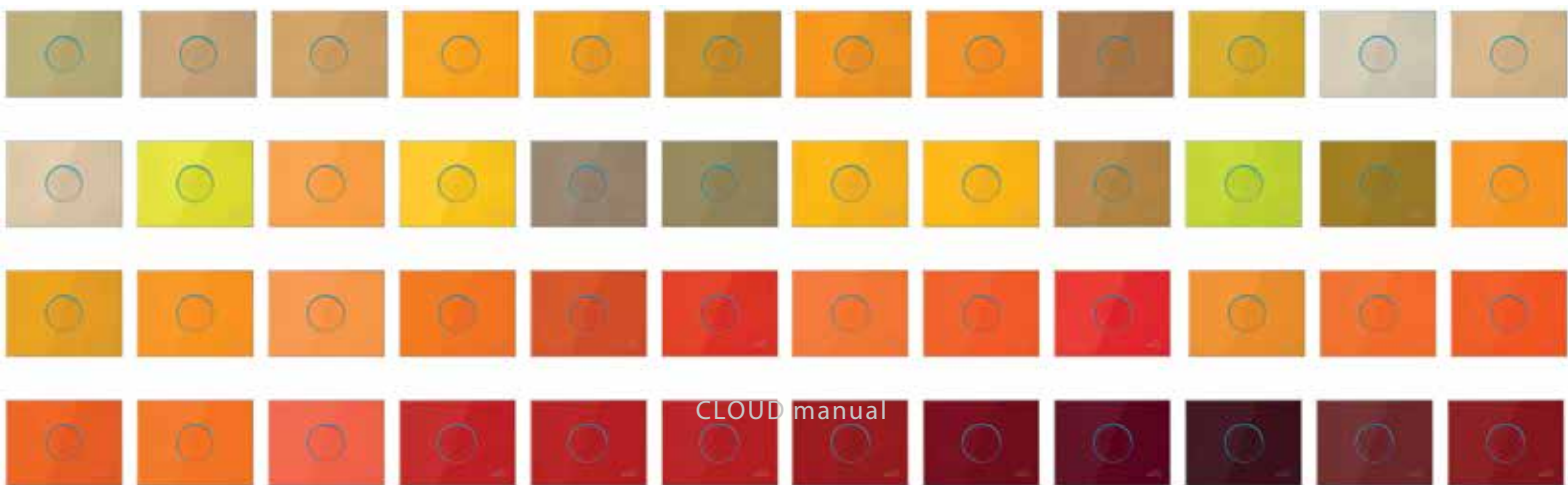
Rim's standard colors



Satin Black



Satin Silver

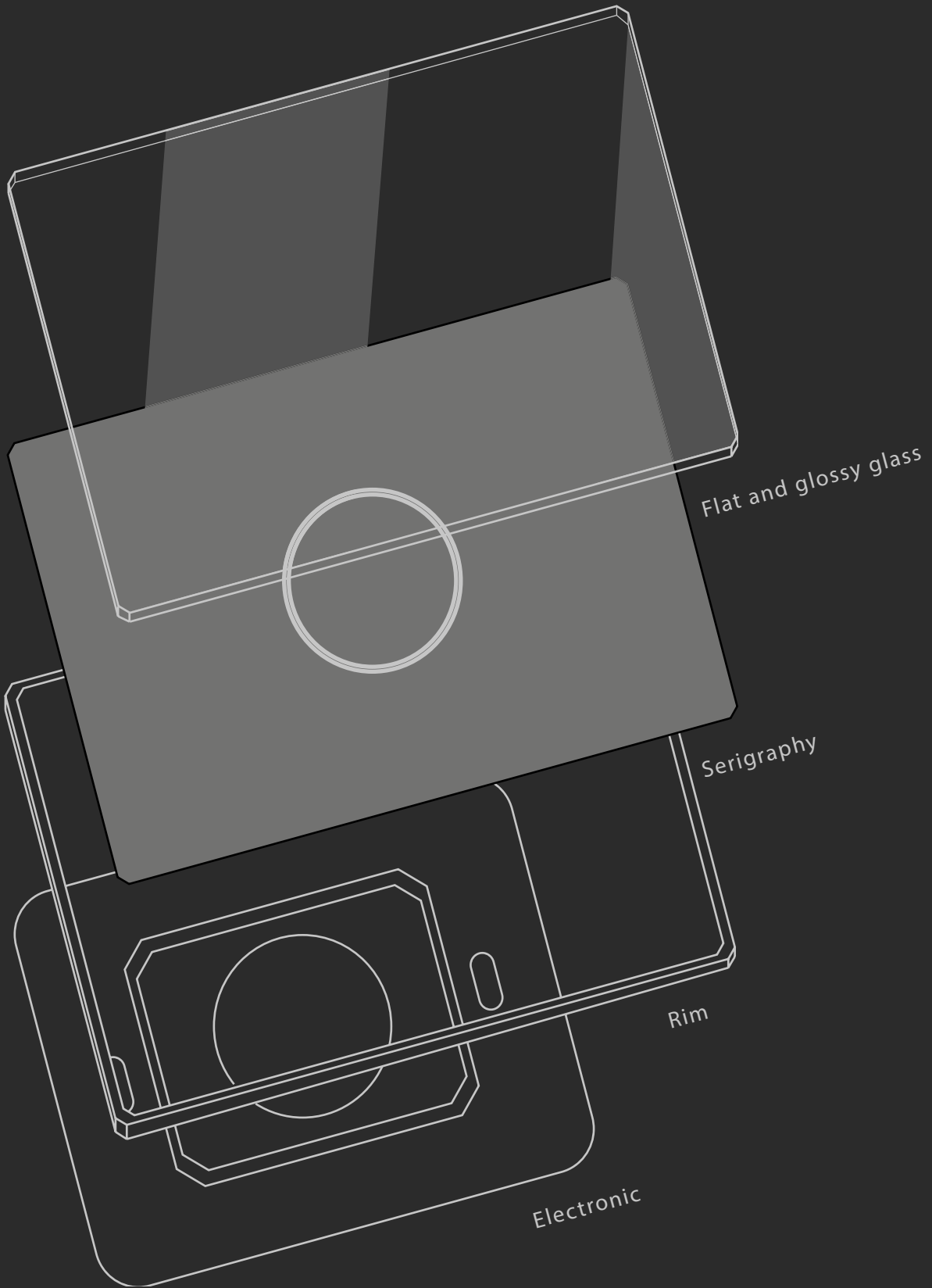


TECH

The clean, modern design embraces the delicacy of the glass. Vitrum Design Tech is renewed to add character to contemporary and technological environments. With smooth and glossy glass, without

embossing or textures, Tech matches any environment with elegance, conforming to the context. The glossy surface reflects the colors and lights of the surrounding environment.





TECH

The flat glass is perfect for a contemporary home, Tech collection is available in Black with satin black rim, white with satin grey rim and in Limited edition in Titanium with etched glass and satin black rim. The aesthetics can be customize with backlit icons inside the buttons.



Flat finish



Clima control available



Custom Icons



Backlit

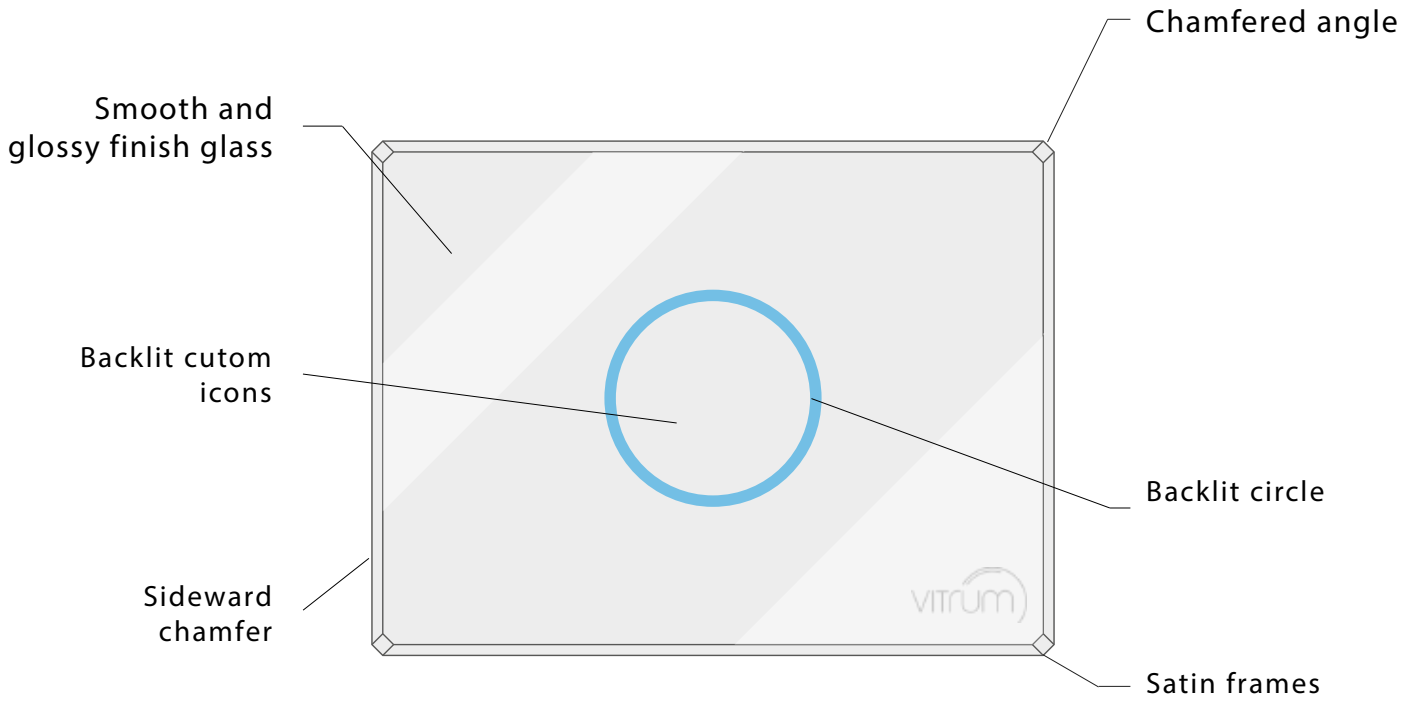


Touch tecnologia

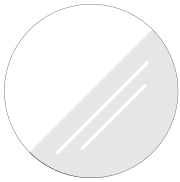


Acustic feedback

COLLECTION



Standard colors



White



Black



Titanium

Rim colors



Satin grey



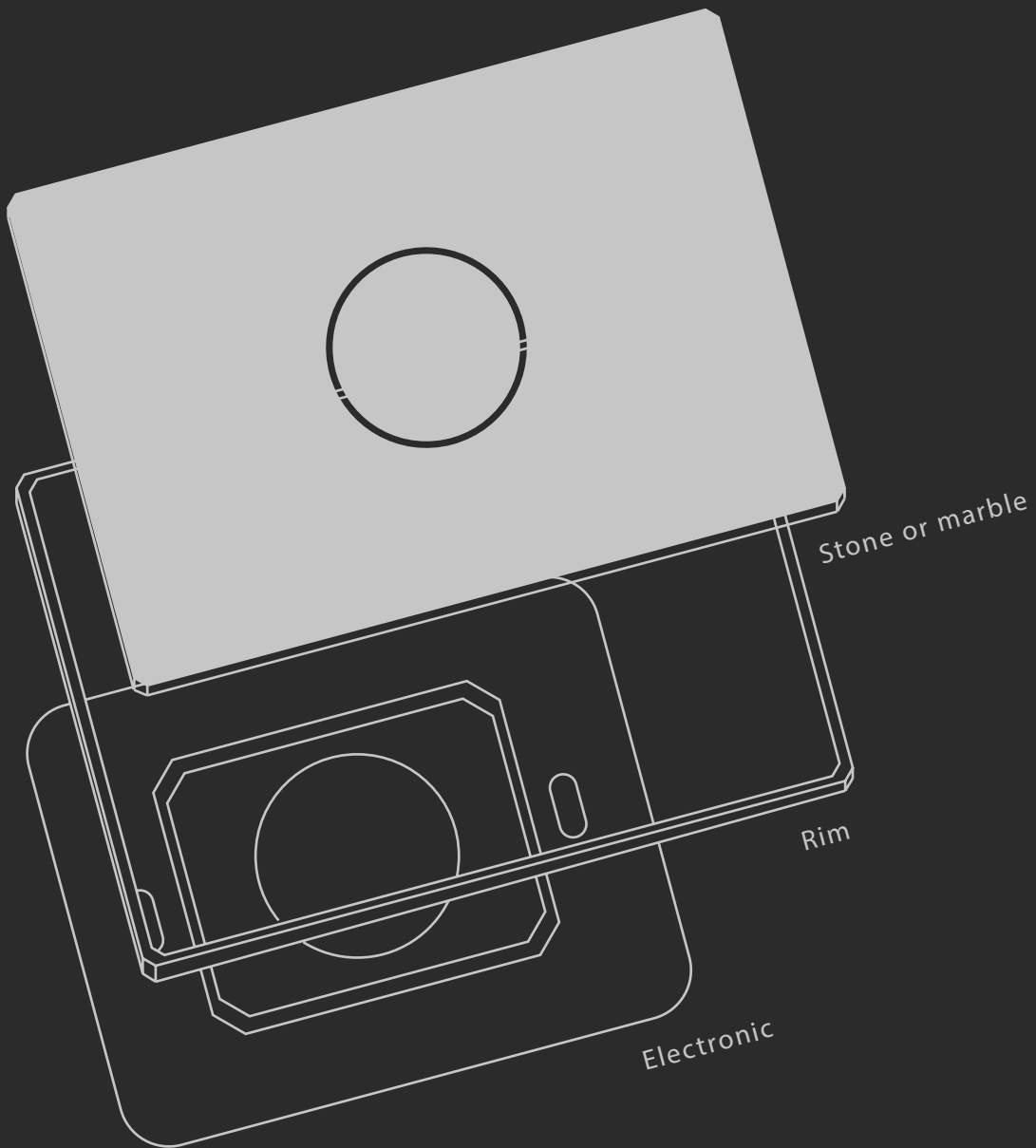
Satin black



S T O N E

When technology meets art, Stone is born, the collection of aesthetic in marble and natural stones by Vitrum Design. Marbles and stones are finely finished until the thickness is four millimeters, the edge and the corners are smoothed and chamfered until perfection. The external face remains remains porous and irregular at touch .





S T O N E

Vitrum Design can transform different materials in touch technology devices for a home automation with style and unique features. A piece of stone or Marble can become a Touch keypad for managing all the home functions. If the stone or marble can be

cut it up to four millimeters thick, it can be an original aesthetics for Vitrum Design keypad. The classic backlit circle became a solid lasercut circle.



Lasercut circle



Lasercut custom icons

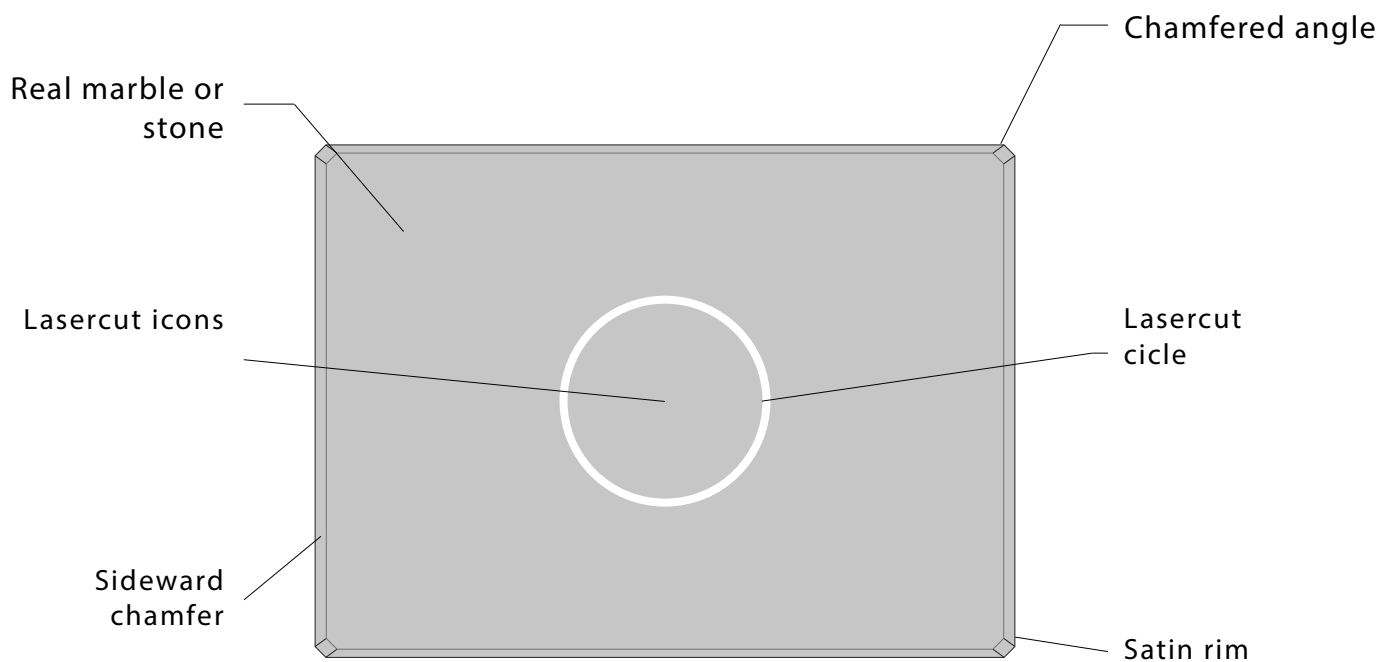


Touch technology



Acoustic feedback

COLLECTION



Marble and stones



Marmo Billemi



Pietra Piasentina



Marmo Imperiale



Pietra Matraia



Marmo Guatemala

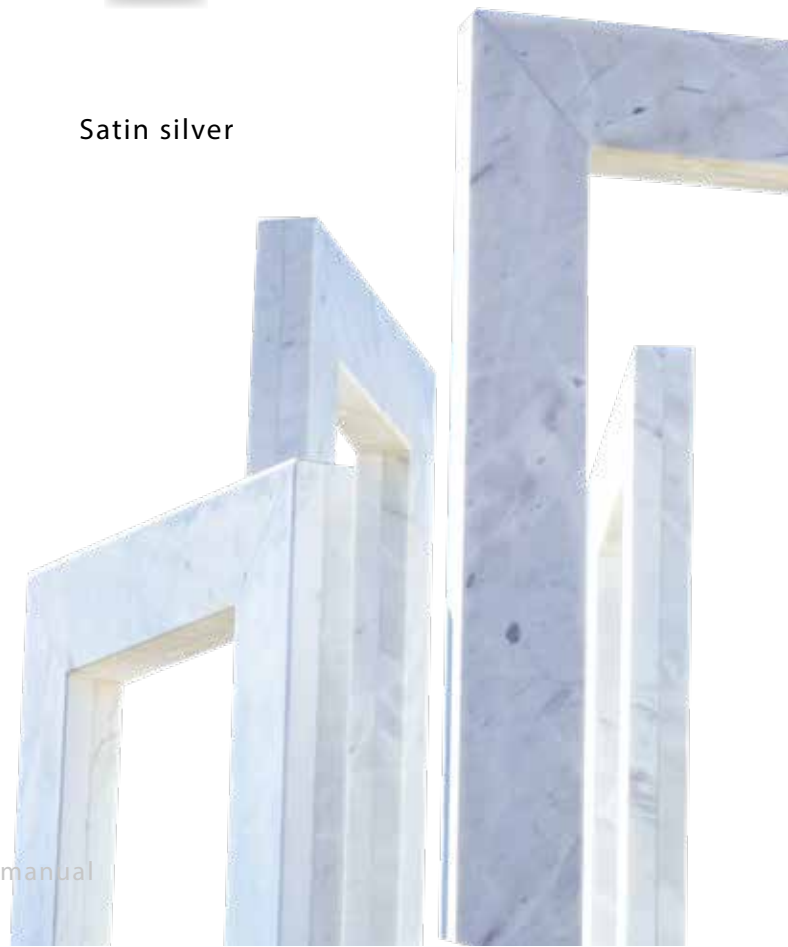


Pietra Bocciarda

Standard rim colour



Satin silver

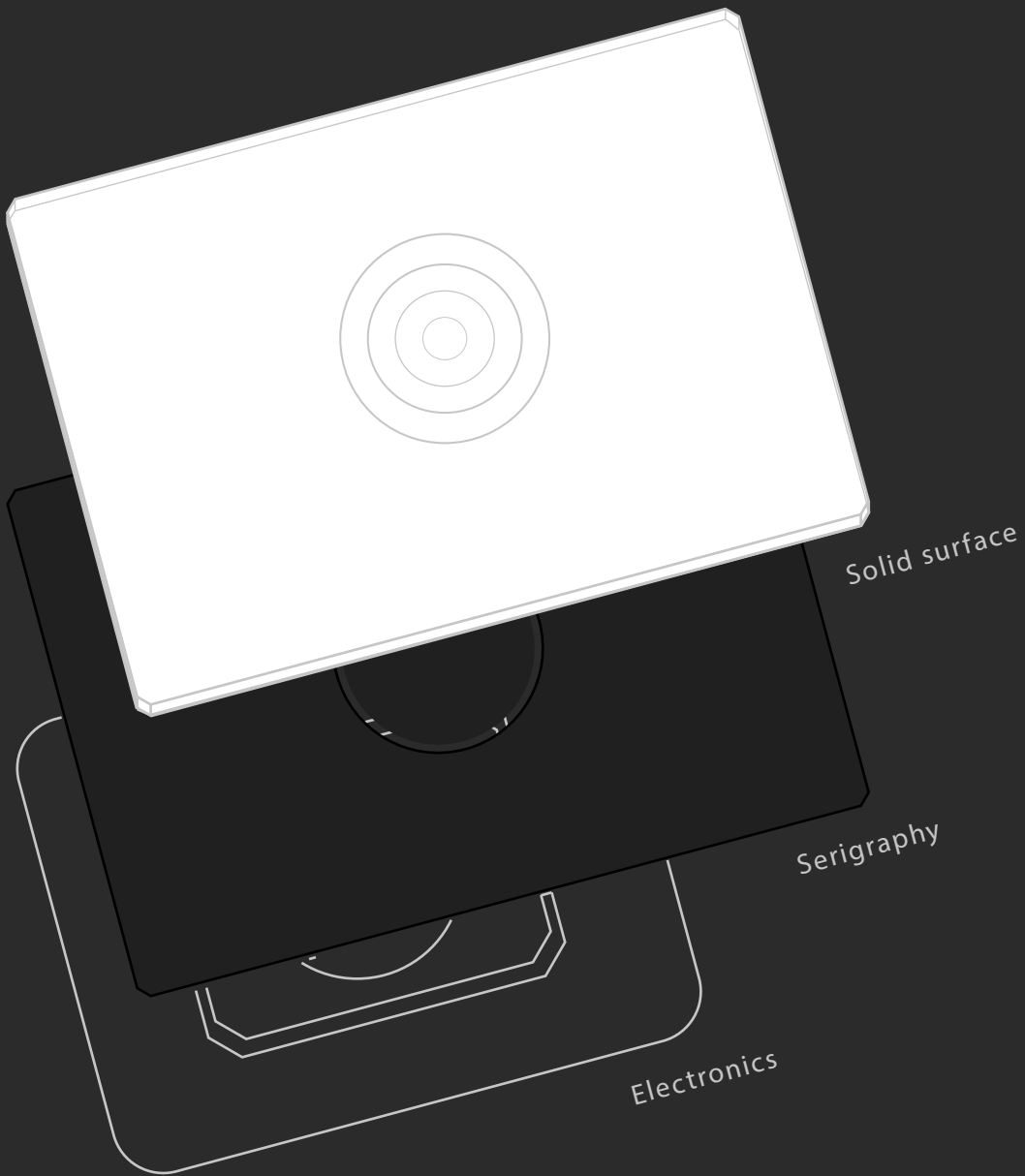




Shape, light and sound are combine to create a unique use. Elegant, sinuous and linear like shapes found in nature. Simple and universal, fusing form and movement. The raised texture of the buttons allows

the fingers to activate controls naturally. The actions are confirmed by the response of the luminous circle. Sounds complete the execution of the command and the system status.³





sense

The Sense collection is perfect for minimal and elegant environments. The raised keys and the softness of the Krión surface are soft and natural at touch, Sense give a unique experience to a simple gesture

such as turning the light on or off, dimming the intensity of light, raising a roller shutter or creating unique scenarios and atmospheres. Sense is backlit, and frameless.



Outward keys



Backlit

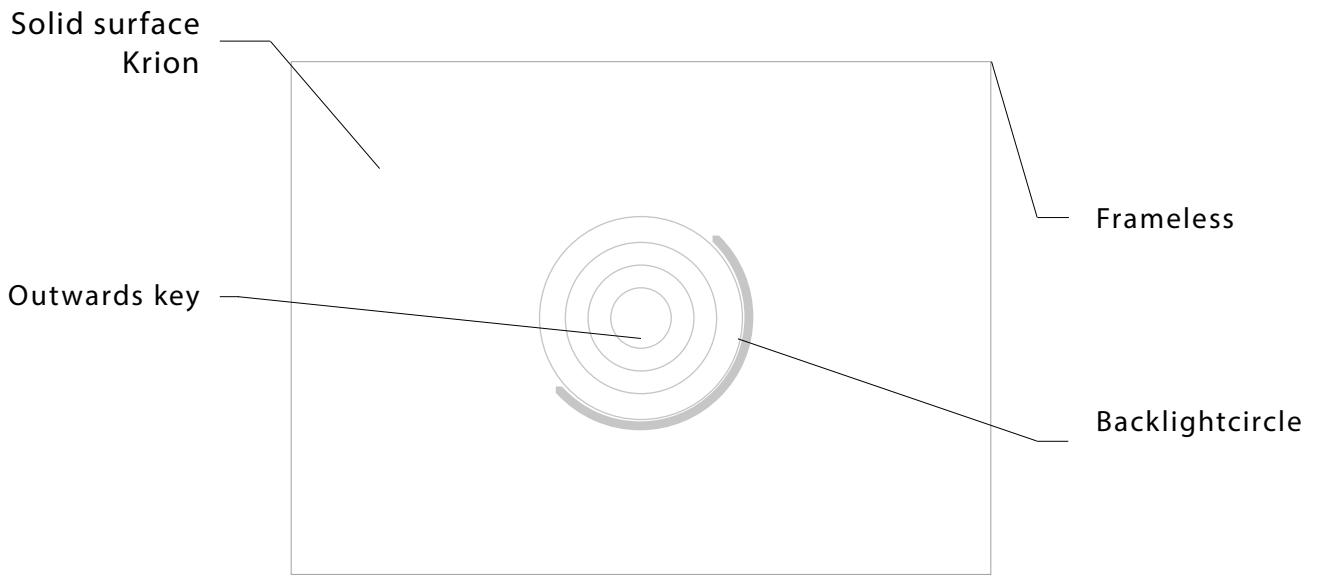


Touch technology

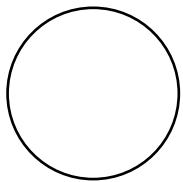


Acoustic feedback

COLLECTION



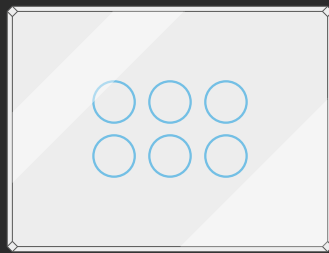
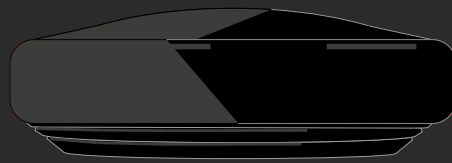
Standard color



White



Cloud system



Long story short

CLOUD system

Cloud system makes it possible. With Z-Wave Plus you can you can make smart your tradinal home, without wiring the Vitrum Design electronics to the traditional electric panel. Z-Wave can be installed on traditional (230V), pre-existing systems or even on new homes. The devices are installed in common flush-mounted boxes (3M, 4M, 7M, BS) and don't require controls units in the electrical panel.

Synchronization and installation

Thanks to UFO, the Vitrum Design controller, it's possible to set up the system from our dashboard using just a laptop and a Wi-Fi net. All the functions and their multiple sub-functions can be configured via the dashboard.

You can manage complex lighting scenarios and synchronize roller shutters, or the irrigation of your garden, and more.

Functions

All the functions set with the dashboard can be menage locally by the controls or remotrly with Vitrum Desing App. Control light, scenarios, sockets and dimming light or RgBW light wherever you are.

Modules and actuators

All the electronics have load on board, but is possible to install DIN RAIL modules or Junction box's actuators for manage all functions.

Cloud system



CLOUD based system



Light

Control light with Vitrum Design controls in switch mode, release button (for the management of step-by-step relays), timed switch.

Each button can manage scenarios, like welcome scenarios, general shutdown or closing of all rolling shutters



Shutters

Manage roller shutters, it's possible to install two-button controls with load on board. It's also possible to install mixed electronics (for manage lights and/or roller shutters in one command), in this case is necessary to provide support relays or Vitrum One Plus for derivation.



Bell

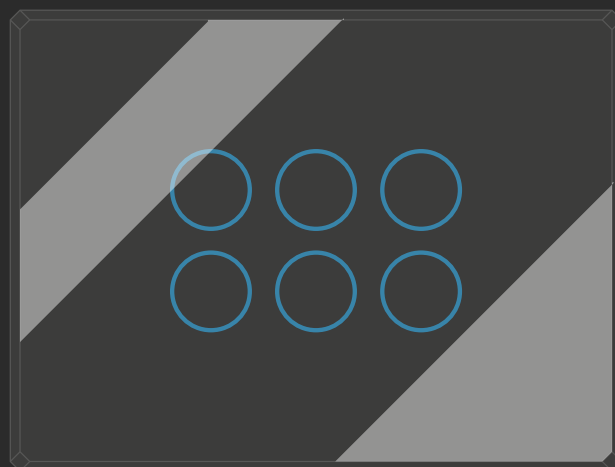
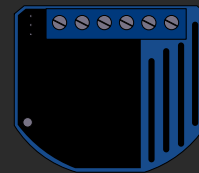
It's possible to manage doorbell with a one button electronic by setting it in release button mode



Clima Control

With Vitrum Design Clima control it's possible to manage different temperature in each single room. Vitrum Design thermostats are equipped with: alphanumeric display for reading the set temperature and set point; integrated temperature probe; main touch controls, for adjusting the temperature, switching the device on or off and fan speed.

Actuators



Flush-mounted box actuators

Flexibility first of all; multifunction electronics are from one to six buttons, to control lights, shutters, clima and doorbell. Also, the electronics from one to three buttons are equipped with clean contacts and 16A relays. They can be installed in common flush-mounted boxes BS, 3M, 4M and 7M formats.

DIN rail actuators

DIN rail modules are optional, Vitrum Design home automation systems can be made without any changes on existing systems, UFO takes care of making smart the functions.

The DIN rail devices occupy four DIN modules and can be connected with the CLOUD system to the electronic.

Junction box actuators

Vitrum One Plus have small dimensions (37x37mm). They connect directly to the loads and thanks to the Z-Wave Plus mesh network they can be controlled by any Vitrum Design peripheral or, through the inputs they are equipped with, even traditional switches.

The Vitrum One Plus are available in seven versions, for the management of roller shutters, controlled sockets, light dimming (0-10V or 230V) and RGBW light dimming.

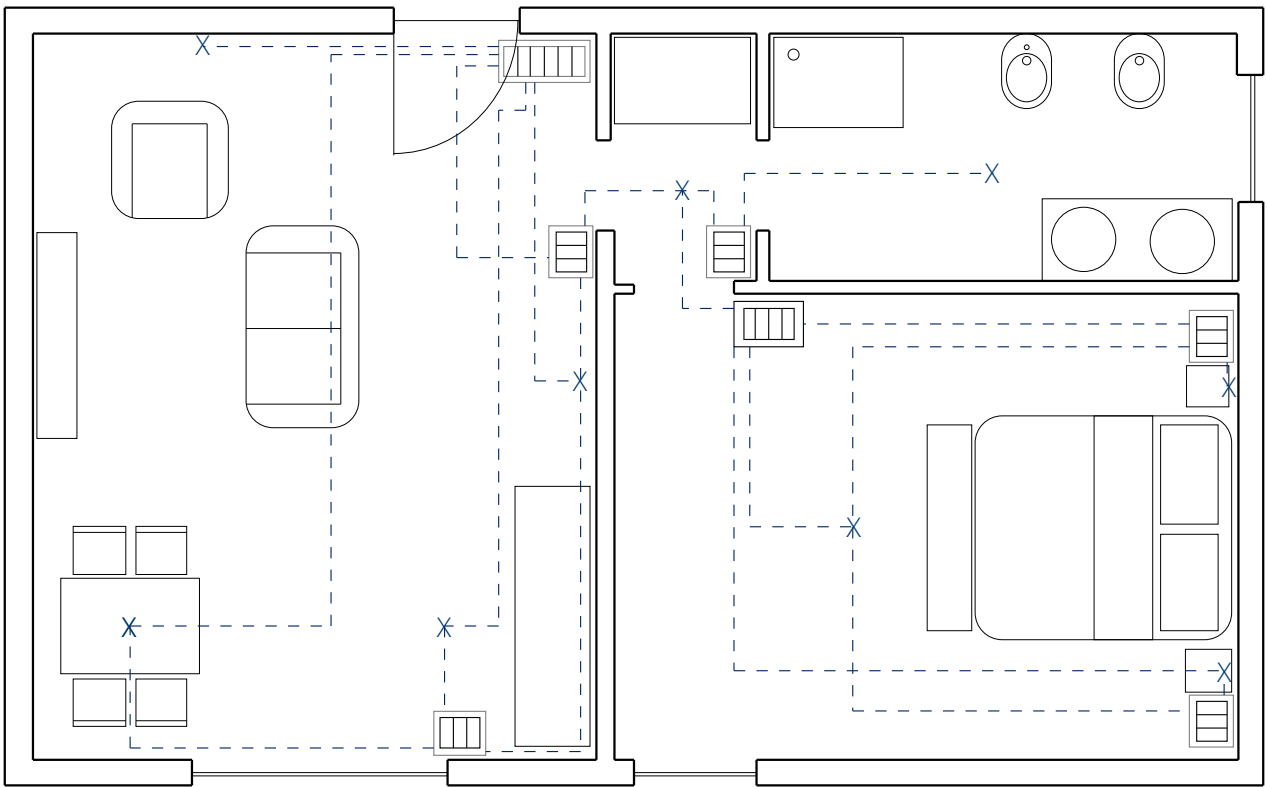
Parallel systems

With the Vitrum Design CLOUD home automation system, connecting functions to electronics is much easier and requires much less cables. Just connect the light to one of the keys of the electronic from which it is controlled, this will become a Master control, then with the CLOUD system link the other electronics by clicking the key you want.

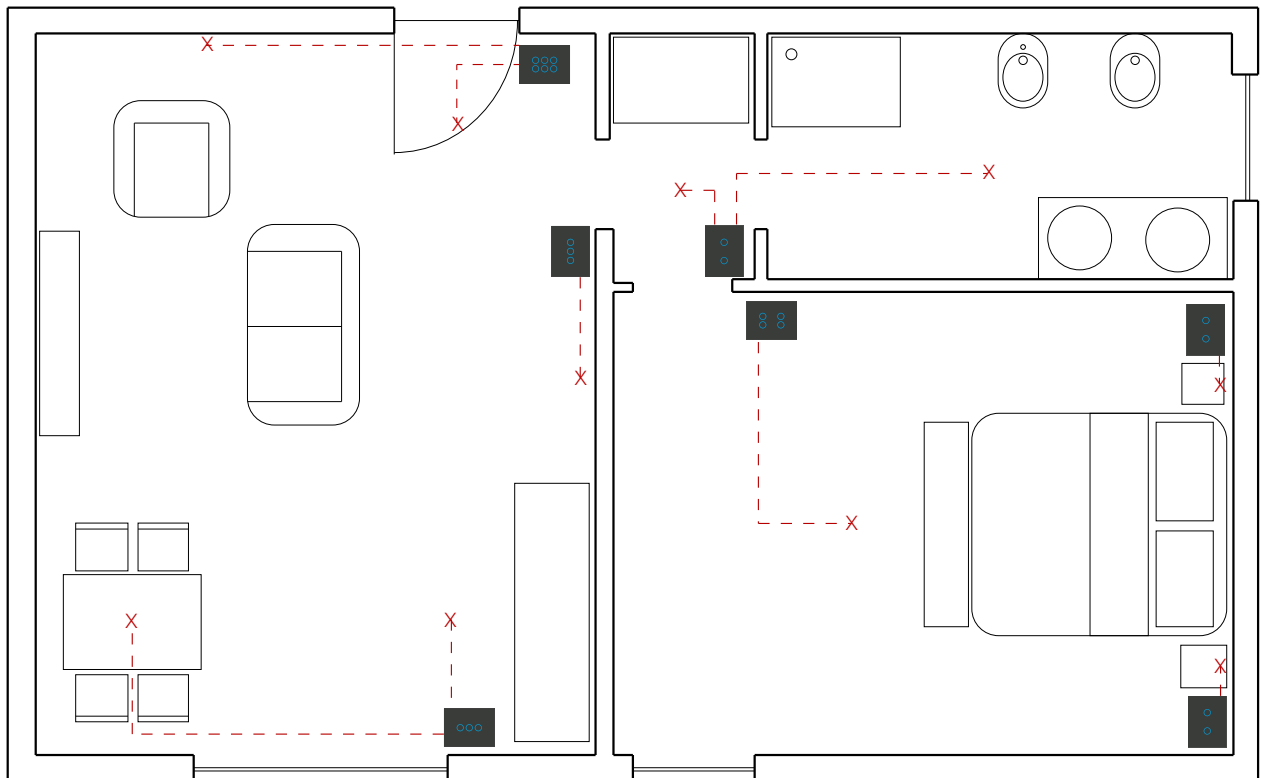
With Vitrum Design smart home automation, you can not only have more efficient and intelligent homes, facilitating the lifestyle of those who live in the spaces, but it is also possible to simplify the installation and modification of systems over time.

In systems with traditional switches, each light must be physically connected to the individual diverters, inverters, switches. With Vitrum Design's CLOUD home automation, you just need to connect the light to a single button to then be able to control it from any switch.

Classic system



Vitrum desing system



UFO 

II generation



VITRUM DESIGN

What's UFO

A self-learning intelligence with multiple functions and commands capable of improving users' habits and suggesting scenarios and automatisms to them.

UFO is more than a normal controller, it is a helper that provides constant interaction with the user: recognizes faces, monitors the habits of individual users and advises them on new lifestyles with a view to energy efficiency and sustainability.

Users will be able to manage their home in a safe, simple and intuitive way both from the new Vitrum Design App, and through the already native Voice Control system or integrated ones, such as Amazon Alexa™ and Google Home™.

UFO's functions



Face ID

It recognizes the faces of the family and associates their habits to manage and recommend scenarios and schedules.



Self-learning intelligence

UFO learns on its own, the more you use it the more it improves your habits and preferences and avoids unnecessary waste



Voice control


Control the functions of your home with a simple voice command, connect it to the most popular voice controls on the market for greater performance.





Environmental sensor

Monitor the indoor and outdoor temperature to ensure greater comfort in your home, adjust the shutters and heating based on the outdoor temperature and the sun for maximum efficiency.

UFO

Sensors for temperature,
humidity, air quality and
noise detection. 

Backup battery. 

Multi-protocol
and multi-
frequency. 

Compact size:
144mm x 45mm. 



Management and virtual visualization of consumption.

37



Integrated vocal assistant and chatbot.



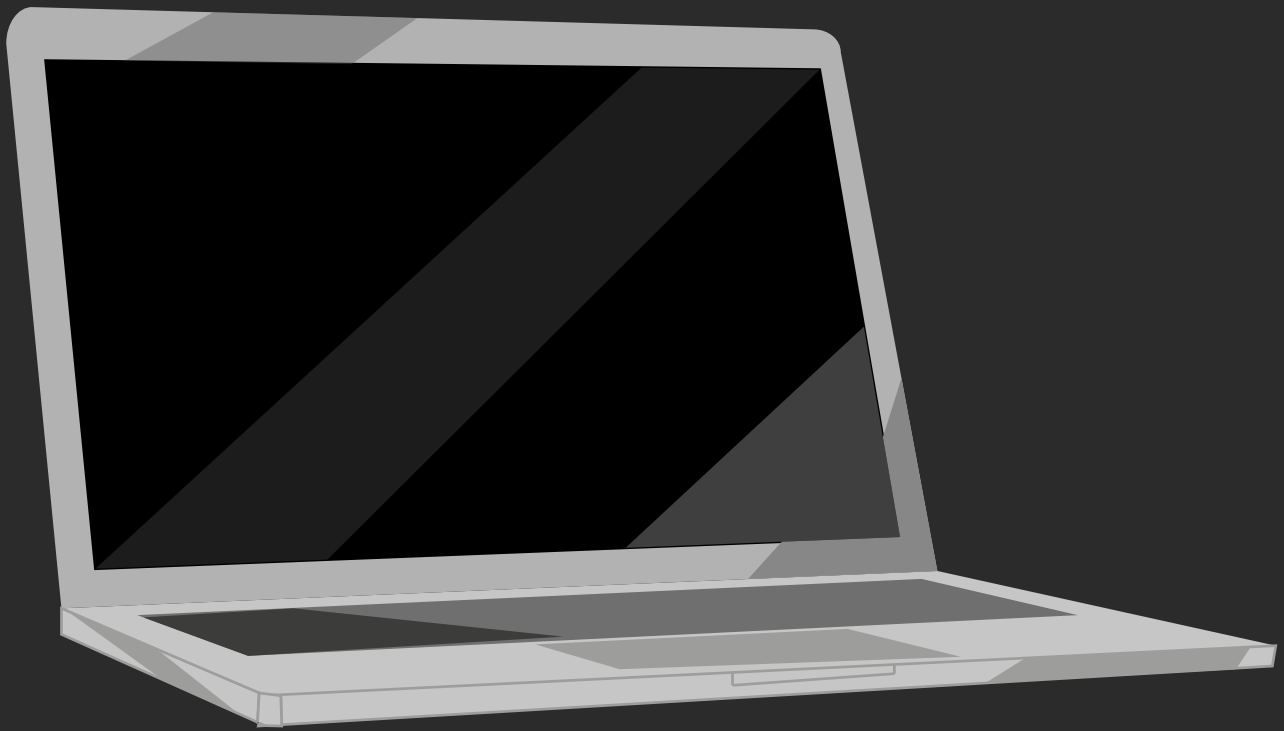
Self-learning artificial intelligence.



Backward compatible with 1.0 and Federable implants.

* clima control Mudbus non inclusi

Dashboard



<https://dashboard.vitrum.com>

VITRUM DESIGN

With the Vitrum Design dashboard it is possible to link the peripherals to the rooms of the house and to the functions, each key is associated with a function and a light or scenario.



Creating a network

To create the home automation system, just use UFO, a computer and a Wi-Fi network, and synchronize the peripherals and functions with the dashboard.



System programming

It is possible to program the functions of the peripherals according to customer preferences, create scenarios, light switching and motor control. All the settings made with the dashboard are then visible from the Vitrum Design App.



Environments and devices

The environments remain independent of each other, each with its own functions, scenarios and automatisms.



Climate Control

With Clima control it is possible to manage the home temperature, create automatisms dictated by the habits of the inhabitants and set typical days based on the outside temperature, and the desired set point on returning home. Thanks to Clima it is possible to limit the spaces and reduce consumption without detracting from the comfort of the home, each room is managed independently without changing the temperature of the other rooms.



Scenarios and automatisms

UFO allows you to create scenarios and automatisms using all the functions in the network, the scenarios can be associated with buttons or with the app (welcome scenario, master-off), the automatisms are adjustable according to habits and times (switching on external lights at sunset, temperature adjustment based on returning home).



Consumption

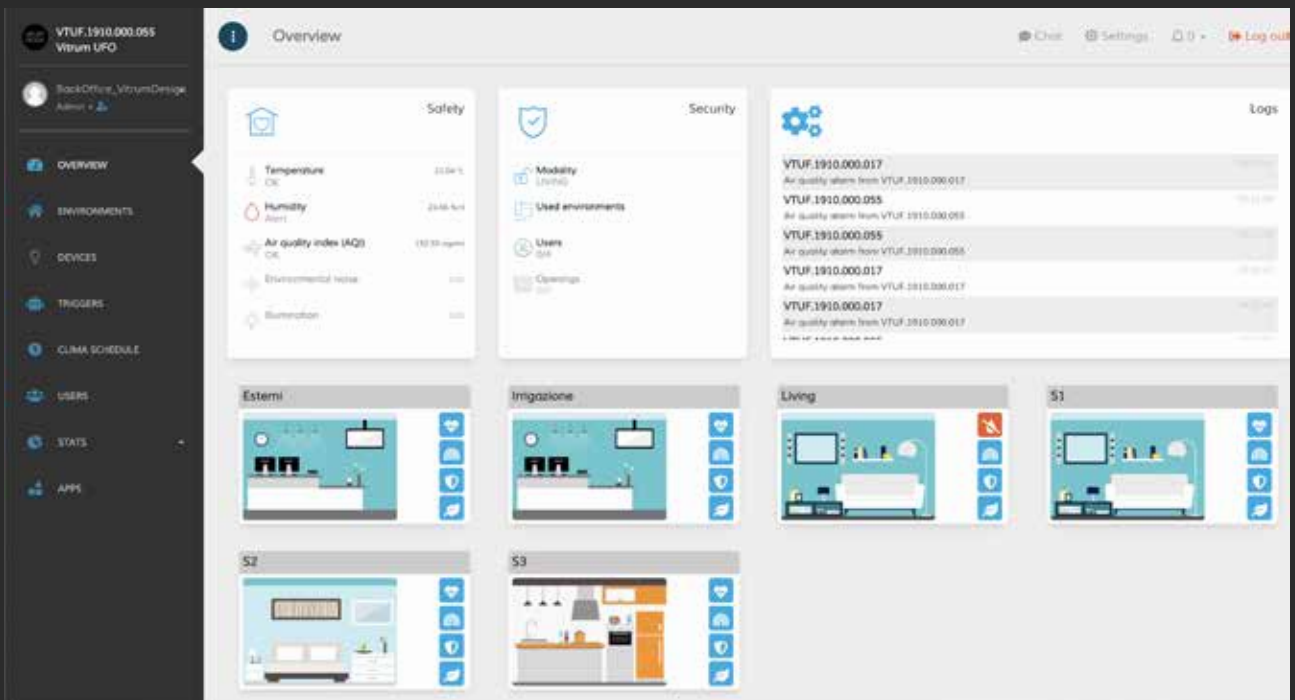
With the Vitrum Design App it is possible to monitor the consumption of the home divided into periods of time or environments, of all the devices in the network, UFO also gives advice on how to consume less.

HOME

In the OVERVIEW screen we have an overall view of the house environment. Furthermore, we will be able to interact directly with the functions set as favorites,

view the sensors present throughout the house or check the latest events / logs.

Overview



Settings

In the settings at the top right you can view the system data, including the UFO version and its updates, the linked properties, you can set the UFO position for detecting the external weather, rename the system, the Wi-Fi network.

Stato sistema

Versione Momo: 1.5.12

Data di avvio: 04/11/21 02:00:29 (9 ore fa)

Carica batteria: 100 %

WIFI: **IL WIFI È ATTUALMENTE DISABILITATO**

Magazzino (Ultimo SSID)

Edificio collegato: Ufficio Milano

Collegamento prodotto: <http://dashboard.vitrum.com?productId=e92850ac-f20d-a5c7-e819-be5960180eae&inv>

Reboot **Riavvia**

Aggiornamenti di sistema

Aggiornato all'ultima versione
Configurazione attuale: <https://update-official.momo.world>

Informazioni di sessione

Versione Dashboard: 2.5.3

Data inizio: 04/11/21 10:33:11 (4 minuti fa)

Backup

Nome	Utente	Data
property_auto.mbkp		04/11/21 01:00:08
property_auto.mbkp		02/11/21 01:00:05
product_auto.mbkp		01/11/21 01:01:01

41

UFO controller through geolocation considers the weather outside the cas to indicate the temperature and climate in real time.

Informazioni luogo

Nome del luogo: Ufficio Milano

Tipologia edificio: Office Building

Posizione: 45.44751688537781, 9.144696593284596

Via Filippo Brunelleschi, Giambellino, Municipio 6, Milano, Lombardia, 20146, Italia (45.44750764953612, 9.144680367668832)

Cerca luogo

Aggiorna

Prodotti associati al luogo

	Vitrum (MMHB.1909.000.002) Amministratore MMHB.1909.000.002		
	Vitrum (VTUF.2107.000.035) Amministratore		
	Vitrum (VTUF.1910.000.018) Amministratore VTUF.1910.000.018		

Inclusion

Within the management of the Z-Wave network we find the part dedicated to adding new peripherals, to include the devices you need to put the controller in inclusion mode by pressing the first button on the dashboard.

Once the countdown has started, press the first key of the electronics until it turns purple. Audible feedback and three green flashes indicate correct inclusion. Once included, the functions are assigned to the keys.

devices -> Z-Wave management


ID	Nome	Manufacturer	Model	Template	Funzioni
21	3BUTTONS(BRL)	Wiatom		Custom	1 Motor 2 buttons
22	2BUTTONS(1MT)	Wiatom	02E02H011(2CH-1MT)	Custom	1 Switch 2 Switch 3 Switch 4 Switch (sat)
24	4BUTTONS(4TR)	Wiatom	01E04H030(4CH-4TR)	Custom	
25	POWER_SWITCH_BINARY	Wiatom	POWER_SWITCH_BINARY		No Device Info No Templates No Template applied

 Inclusion

 Exclusion

Inclusion allows the addition of a new device and its inclusion in the network

Exclusion allows you to associate a peripheral.

 Replace failed node

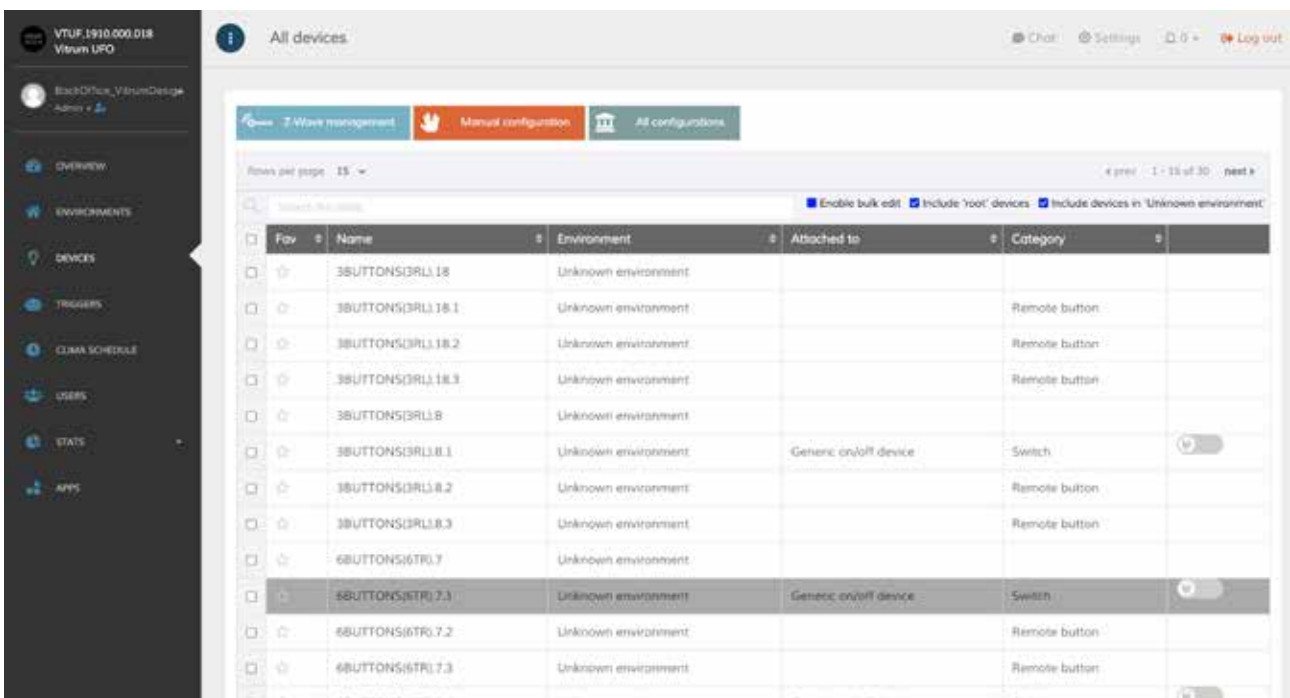
 Remove failed node

Replace Failed node, allows you to replace a device already included in the network, in case one gets damaged over time.

Remove failed node, allows you to permanently delete a device already included. Without compromising the synchronization of the system.

DEVICES

The Devices section includes z-wave devices, light, controlled socket, room devices and other wireless devices (Google Nest, Philips) such as probes, sensors and various devices. Amazon Alexa and Google Echo can be connected. Set the type of devices, light, controlled socket, room and peripheral name. Here you can set the users who will use the various lights in the Amazon Alexa and Google Home App, using the skill.



43

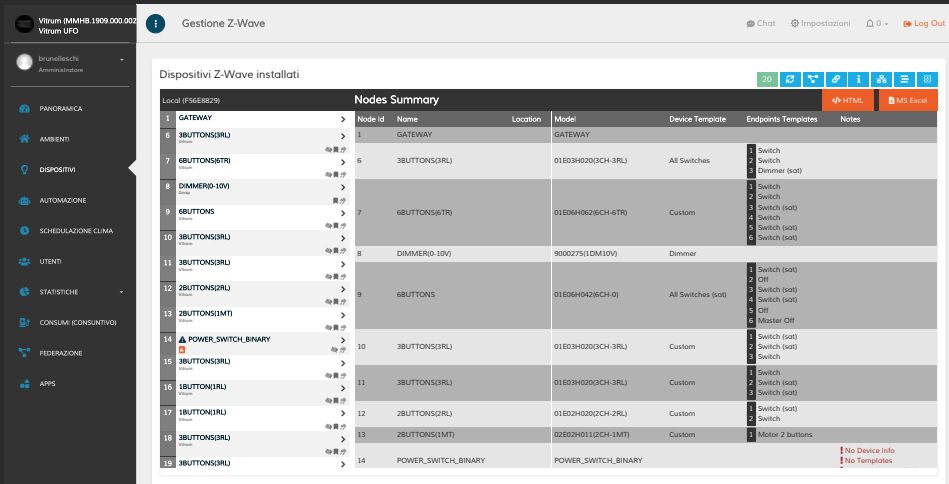


By clicking on one of the items in the list, the edit window appears, from here you assign the environment to the device.

N.B: To make the device appear in the app, it must be assigned a visible environment

Z-Wave Management

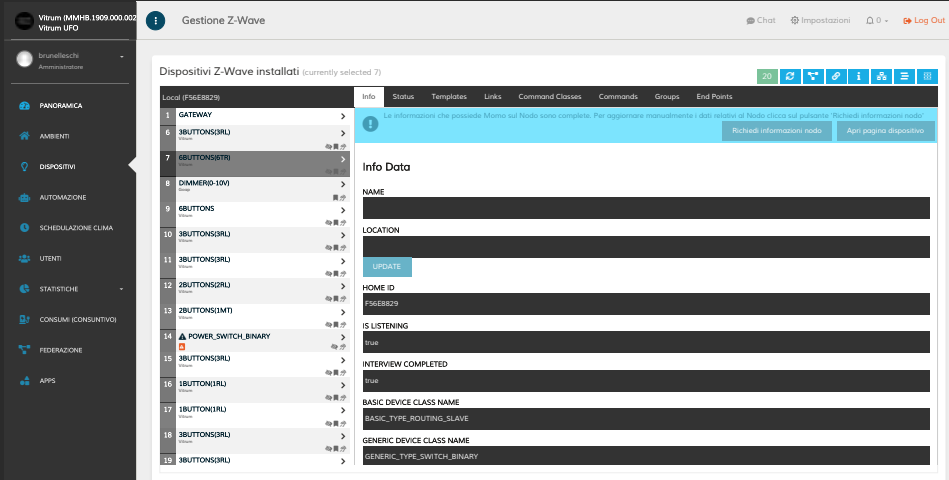
Devices -> Z-Wave management



In the Z-Wave management section you see the peripherals and nodes that make up the Mesh Network.

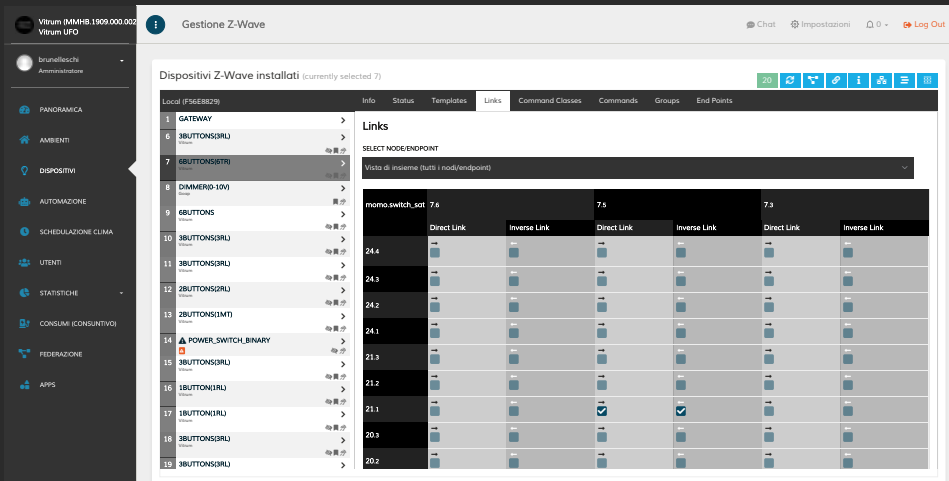
Within the individual nodes there are a series of menus with which to parameterize the devices including the tampl45.ates (modes, functions of the individual keys), see pg. 45

Info, per visualizzare e modificare le informazioni base della periferica



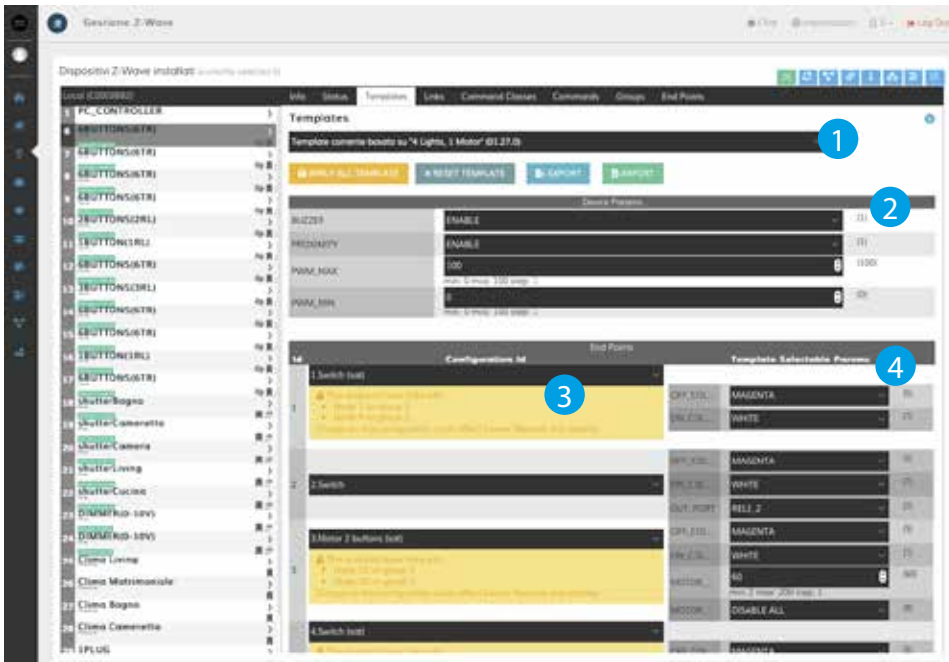
Links to associate the keys between the various devices, with one-way or two-way associations.

Links, per vedere e linkare i tasti



The table on the side indicates the LINKS available for the selected peripheral. In this case it is possible to link keys 1 and 2 of node 8 mono or bidirectionally (<-) (->) with the keys

Template



In the TEMPLATE section it is possible to define the parameters of each key.

1- From the drop-down menu you can choose the basic templates of the device.

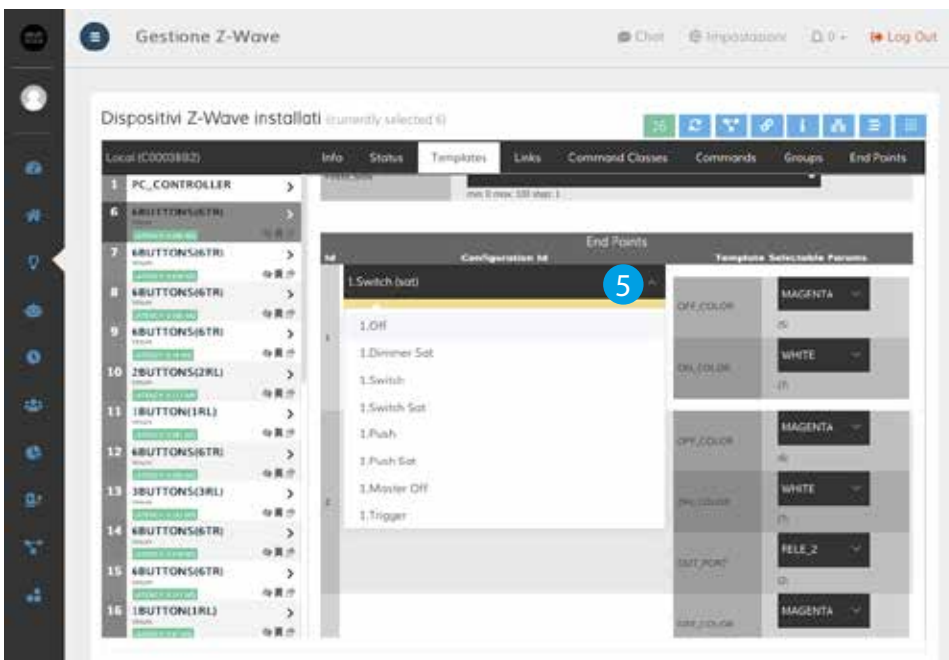
2- Device Parameters: basic device settings, such as sound and backlight

3- Configuration Id: display of the endpoints relating to the selected device

4- Template Selection Params: setting of the parameters of the individual keys, such as the color of the RGB LED in the on and off phase.

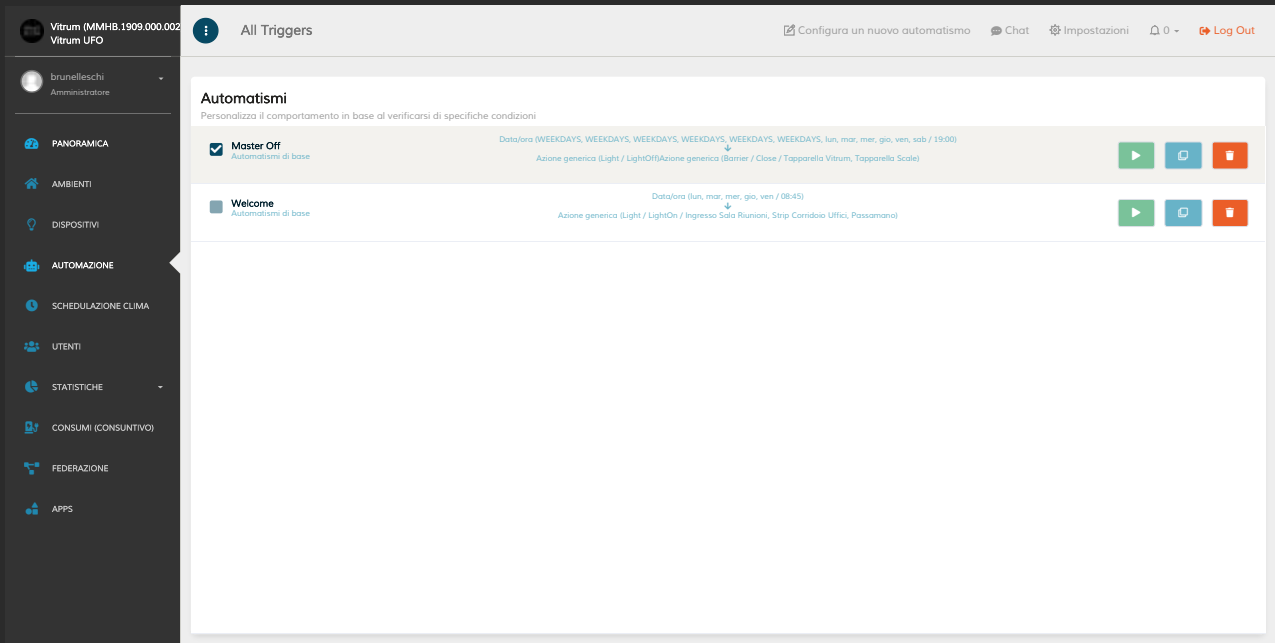
5- 1.Switch: in the drop-down menu it is possible to select the type of single key

45



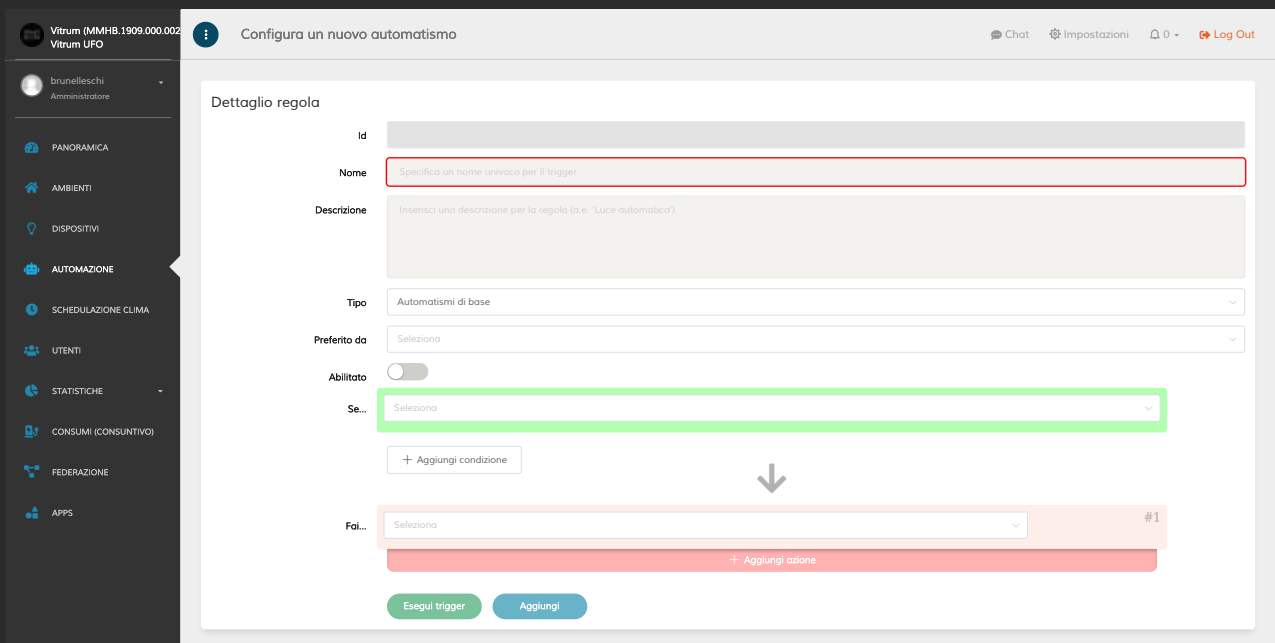
AUTOMATION - Scenarios

In Automation section is possible to set IF/THEN scenarios, to modify and to activate deactivate or hide it from the App.



In IF we choose a detected action, as an hour, an event linked to the device, or linked to consumption.

In FAI we choose the effect, whether it is limited to an environment, a single category (lighting, sockets, climate, ...) or equally to all devices.



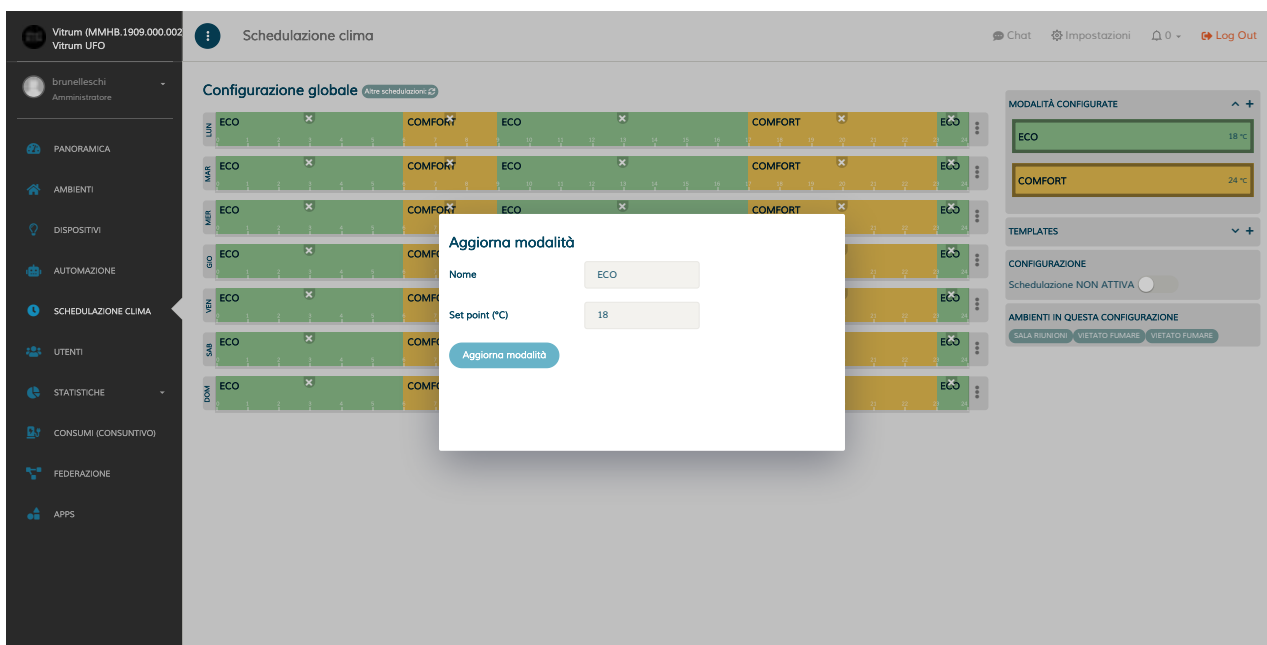
CLIMA PLANNING

In the Climate Schedule is possible to set (if climate control is present) the advanced chronothermostat functions, defining the set points weekly and hourly. You can even schedule the clima by ambient.

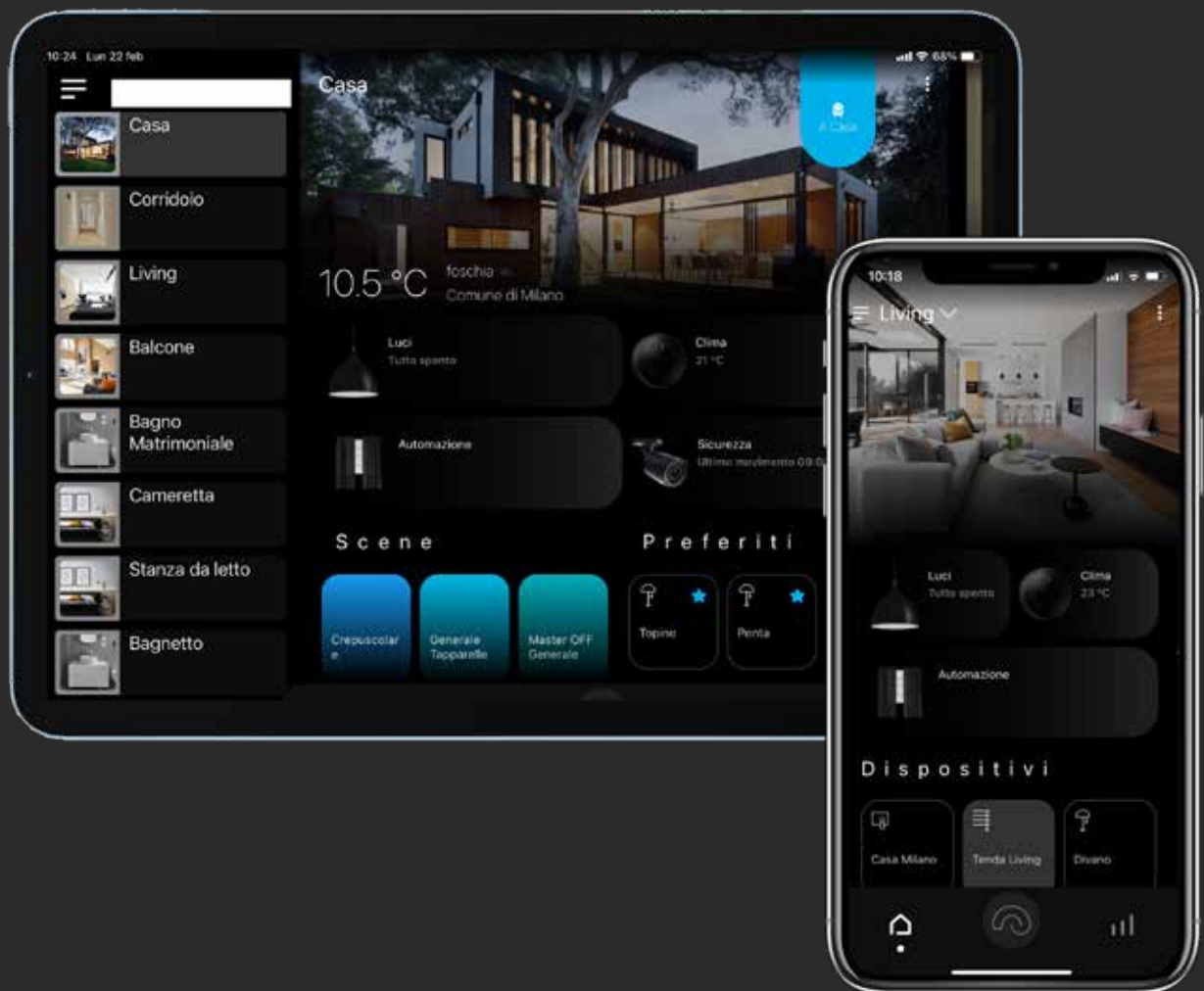


47

The standard Comfort and Eco temperatures can be customized. From the right menu "Configured Modes", you can set different setpoints as you wish, and then insert them in the time bands very easily.



Vitrum Design App



Vitrum Design App

The Vitrum Design app is available for iOS and Android on smartphones and tablets. The interface is customizable for names, images and functions.



Function management

From the app it is possible to manage all the functions connected to the network, lights, roller shutters and temperature, complete with scenarios and automatisms.

When you are away from home, the App will notify you with a notification if you have left a light on or if a sensor has detected suspicious movement.



Chatbot

In the chatbot section, you can write a command, tell the App to raise the room temperature; or to close all the blinds, to turn off the lights in a certain room or to recall a simple scenario.



Fluid and customizable interface

The interface is simple and intuitive, divided into environments and functions, you can customize the environments and scenarios with photos, icons and names. Also assign a consumption to individual lights to monitor their consumption.



Manage multiple homes

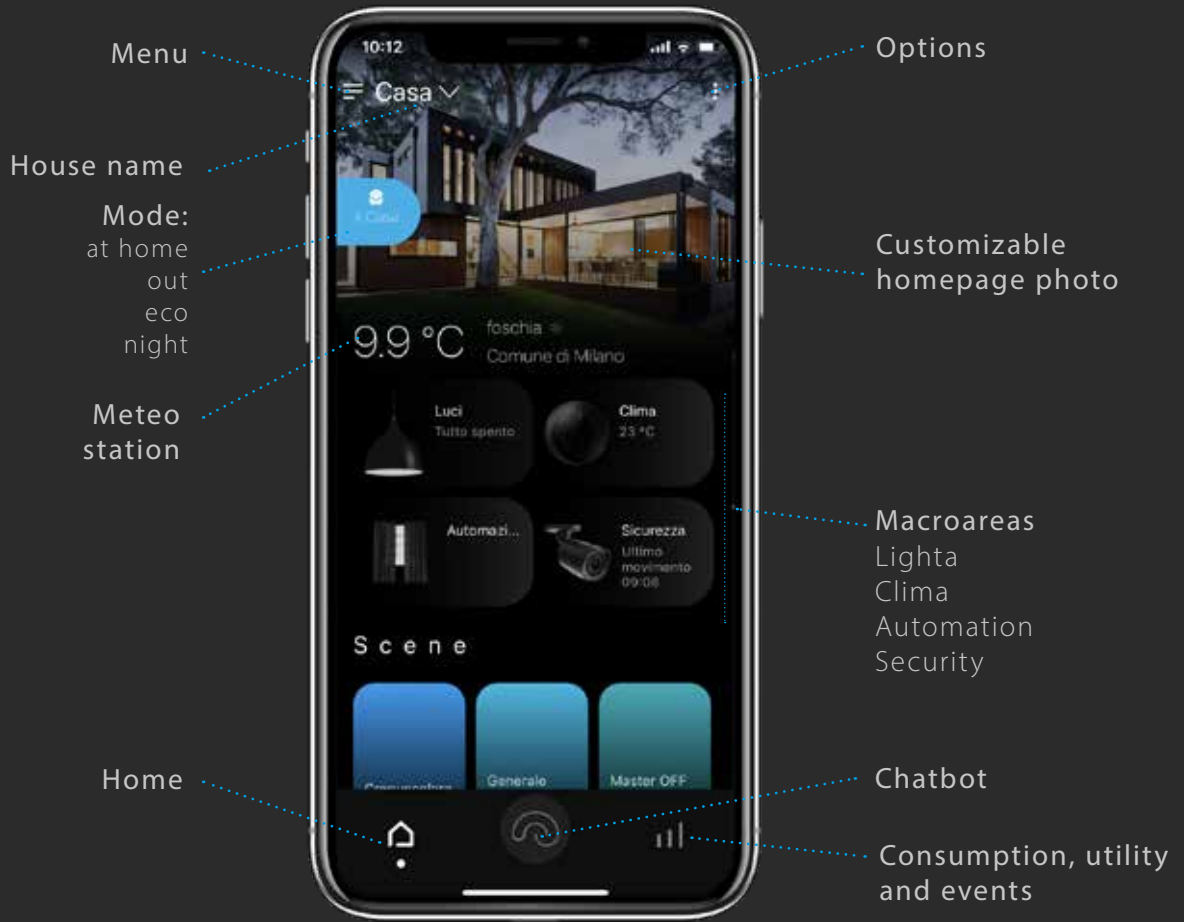
With the Vitrum Design App you can control all homes with the cloud system installed from wherever you want. it is possible to view the temperature and set it in view of the arrival, lower or raise the roller shutters and check that you have turned everything off and closed when you leave.



Remote management

All network functions can be managed from the Vitrum Design App, both on site and remotely, to always have everything under control.

Homepage



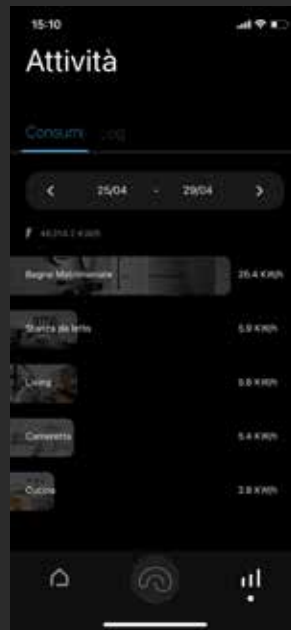
Chatbot



Scenariis



Consumption for ambient



Mode



SISTEMA CLOUD

Swipe aright and let for change ambient.



51

Each environment has his own functions and its scenarios.

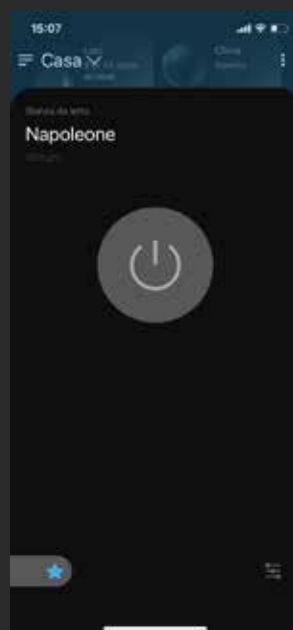
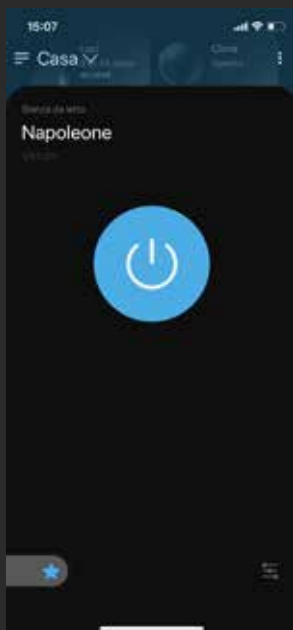
Lights



Numerous functions are available for managing the lights.

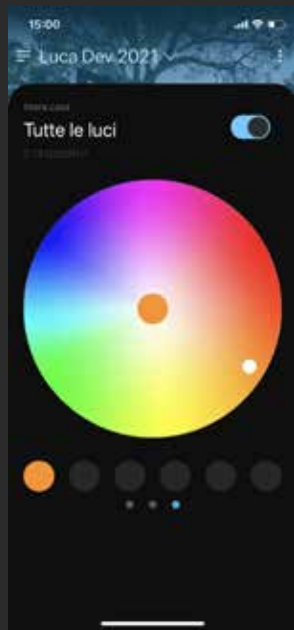
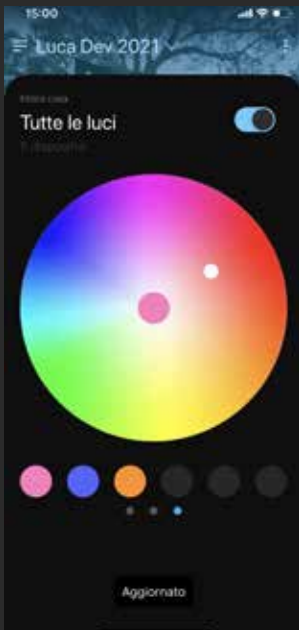
It is also possible to rename the lamp, assign it to a room, change the icon and set the wattage of the lamp to monitor consumption.

You can save the lights as a favorite (by clicking on the star icon at the bottom left) to always have that lamp at hand on the home page.



On-Off

Lights are controlled by on-off button for the single light or all the light in the room.



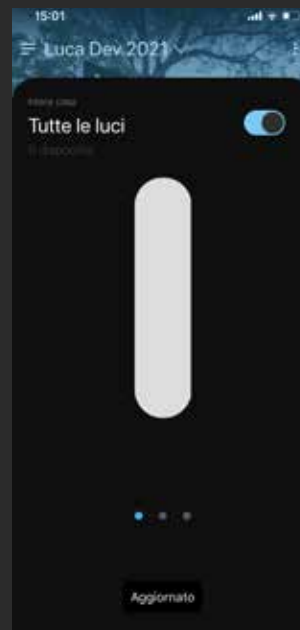
RGB

The RGBW dimmer lights as well as on and off can be dimmed by coloring using the color wheel. You can quickly recall the last selected colors for a faster and simpler user experience.



Dynamic white

Through the special heat bar it is possible to manage the dynamic white LED lights comfortably from the App, obtaining a wide range of color temperatures.



Dimming

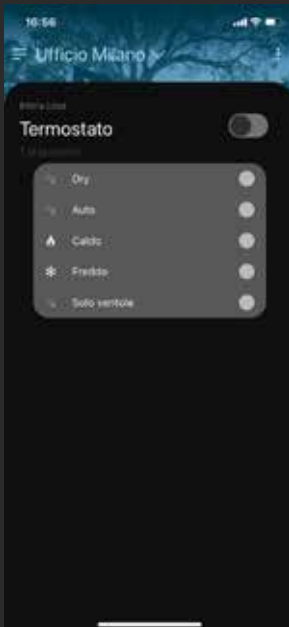
The phase cut dimmer lights (230V) or 0-10V are adjustable using the regulating bar equipped with a percentage for more accurate and practical management.

Clima



In the screens of the various rooms it is possible to see the set point (set temperature) and to view whether the thermostat is on or off in the selected room.

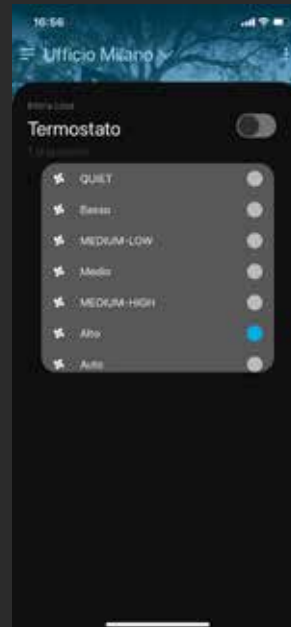
In the general screen, on the other hand, you can view and set the total internal temperature of the house.



Mode



Clime hopepage



Fan speed

it is possible to adjust the thermostat set point (indicated in the center of the circle) and adjust it using the semi-circle or the "+" or "-" icons. At the bottom and in gray, the current temperature is indicated.

it is possible to adjust the power of the fans (if available) and set the climate control operating mode.

Advance funcion

Consumption and events

In the consumptions and events section it is possible to view the consumptions at the moment, room by room and the estimated consumptions of a period of your choice. Just enter the voltage of the bulb indicated on the package in the specifications of the lamp. The events section indicates all the functions used that day.

Mode

The general management methods can be set. To optimize consumption and avoid waste, the night, eco, at home or away modes create automatism for maximum home efficiency.

Scenarios

With the Vitrum Design App you can set scenarios for time slots or events, such as waking up, returning home from work or total shutdown at sunset. The scenarios can involve all the functions installed and synchronized with the CLOUD system.

Enviroment

The environments are managed independently of each other, with their own functions such as scenarios, lights, blinds and climate. Scenarios can be created that include the functions of several rooms such as: the welcome scenario, the master-off scenario (switch off scenario) and the good night scenario.

Favourite

You can save commands to your favorites using the star icon, these will always appear on the Home Page, immediately below the scenarios, for quick and easy access.

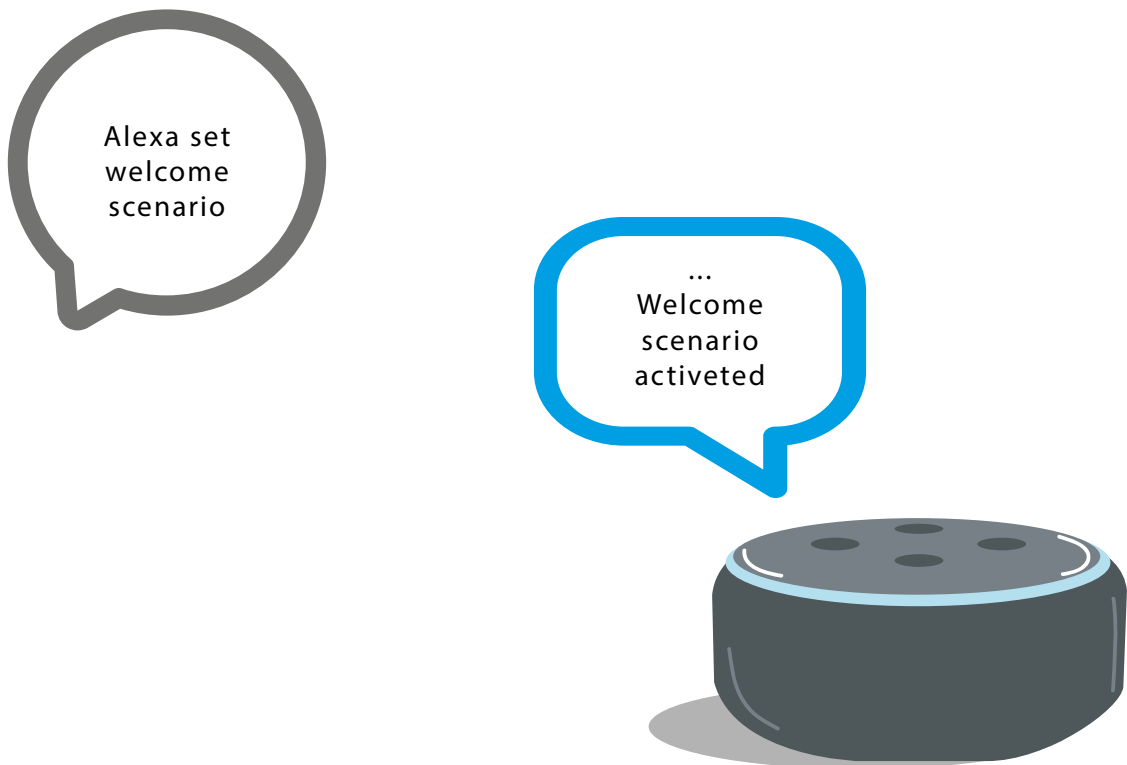
Voice control



The Vitrum Design App is compatible with the most popular voice controls on the market. With Google Home and Amazon Alexa you can manage the functions and scenarios available on the App with a simple voice command, turn on the lights, raise or lower the blinds and adjust the thermostat by simply asking your voice controller.

Keep everything close at hand whenever you want.

All UFO functions connected to the Vitrum Design App can also be managed by voice controls and their applications.



CLOUD funcion



With the Vitrum Design CLOUD system you can manage multiple functions with a single system and everything is always connected. You can manage the lights or groups of lights even with dimming, roller shutters, blinds or external sunshades.



Lights

Light management in mode: On-off, dimming regulation, color dimming RGBW, scenarios and automatisms.



Shutters

Manage shutters, curtains or blinds open and close completely or



Consumption

The app shows the estimated consumption of the house, of the functions connected to the CLOUD system, by entering the consumption of the bulb or the consumption of the controlled socket in the specifications of the lamp, it is possible to know how much is consumed, room by room and by time slot.



Temperature

Control the temperature of each room even remotely, and program the switch-ons and temperatures, rules based on the outside temperature, the sun and the time spent indoors.



Irrigation

With the virtual weather station you can create automatisms that regulate the irrigation of plants or the garden based on weather, humidity, temperature, rainfall. Thus making the system efficient without unnecessary waste.



Twilight

With the astronomic clock you can adjust the functions of the house based on the time, turn the lights on and off automatically at the chosen time, or based on sunrise and sunset, the device automatically updates itself following the geo-location, updates the daylight saving time and sun cycle times.





Scenarios

Regulate and set scenarios divided into environments, and activate them independently of each other. The scenarios can be connected to all home functions, adjusting the entire home with a simple touch or with a voice command.

It is possible to have the Night scenario, in which all the lights and devices turn off, the shutters are lowered independently, or the Waking up scenario in which the bedroom lights turn on gradually and the shutters go up, for a better awakening. The scenarios can also be chosen based on habits at home and events, such as the Movie scenario, or Dinner with friends and so on.



Security

It is possible to connect the cameras, which have the Z-Wave system, to the functions of the house to keep everything under control. (soon available)

Post - sales



Assistance

Over time, it is possible to change or update the system and integrate functions or peripherals over the years without difficulty.

UFO updates automatically via OTA: whenever a new system update is available, UFO downloads the new one version and installs it during the night so as not to burden the system communication ..

You can expand the Z-Wave network at any time you want, you can add components and customize the experience, you can change the aesthetics and adapt the style of the home to new needs.

Vitrum Design is constantly committed to integrating and developing new products and to updating the functions and the system.

Assistance is always available to resolve malfunctions, updates, implementations for customers and system integrators.

References

Vitrum Design lavora e collabora a progetti di natura diversa in giro per il mondo, con collaborazioni sia per abitazioni private sia per grandi progetti come complessi di appartamenti o yacht di lusso.

La versatilità del design, la varietà delle collezioni e le possibili personalizzazioni rendono le estetiche di Vitrum Design ideali per ogni tipo di struttura e di ambiente ,

senza appesantire o rovinare l'ambiente circostante.

Dalla realizzazione di appartamenti, ville e Hotel, sia in Italia che all'estero, Vitrum Design si integra alla perfezione in ogni ambiente, accontentando i gusti più differenti , per coloro che vogliono distinguersi dagli altri e vivere in un ambiente tecnologico ma con stile.



Complesso di appartamenti, Habitaria, Milano, Italia.



Dynamiq D4 Trussardi Casa, Yach.



Complejo de apartamentos, Patio Blanco, Ibiza, España.



Complesso di appartamenti, Habitaria, Milano, Italia.



67

Complesso di appartamenti, Las Boas, Ibiza, Spagna.

VITRUM DESIGN

HEADQUARTER

Via Filippo Brunelleschi 16
20146 - Milano IT

Tel. +39.02.655.60373
Mail. info@vitrumdesign.com

Vitrum Design s.r.l
P.I. 10785030966

Made in Italy



vitrum.com