



QUICK START GUIDE
Safety Cabinet Claire

Welcome

Welcome
Bem Vindo
BIENVENUE
welkom

This Quick Start Guide introduces you to the safety cabinet Claire from Berner International and will help you commissioning and explains the most frequently used functions.

It shows you both the first steps in using the application as well as the general operating instructions.

You can also call up the operating instructions in the menu on the touch display. The Quick Start Guide should always be kept to hand. The pictograms highlight information and quickly quickly to the most important points.



Hazard and safety instructions



Important information



Observe user information



Warning of toxic substances

Warning sign W003 according to DIN 4844-2.
For cytostatic safety cabinets with the suffix "Cytostatics"



Warning of biohazard

Warning sign W016 according to DIN 4844-2



Warning of explosive atmosphere

Warning sign W024 according to DIN 4844-2

SAFETY CABINET CLAIRE AT A GLANCE

On this and the next two pages you will find a product and interface overview that will help you to quickly find all the functions.

- ① Exhaust air opening
- ② Two- or three-filter system
- ③ LED light strip
- ④ Touch screen
- ⑤ Lighting
- ⑥ Flat screen optional
- ⑦ Function socket
- ⑧ Filter test access
"Filter-In", "Filter-Out"
- ⑨ Front screen
- ⑩ V-shaped recessed
suction opening
- ⑪ Spill-Liquid-Guard
work surfaces
- ⑫ Sensor system



START MENU INTERFACE OVERVIEW



① Info bar

User name, date and time

② Activity instructions

The most important rules of conduct for working at a safety cabinet

③ Claire

System information such as type, model, serial number, last maintenance, firmware version etc.



If the Claire symbol is replaced by the Service symbol, pressing this symbol opens the service info.

④ On

Switching on the SC

⑤ Mode

- ☀ Normal mode (ECO or GMP)
- 🌙 Night mode
- 🧤 Cleaning mode
- 🔋 Energy saving mode

⑥ Parameters

- 📊 Particle count > 5 μm
- 📊 Particle count > 0.5 μm
- 💧 Moisture content
- 🌡 Temperature

⑦ Downflow

⑧ Inflow

⑨ Disk open / closed

Moving the electrically operated front window up or down

⑩ Assignable function buttons

Up to 4 assignments for sockets, lighting, UVC, gas, timer, heating plate, lifting underframe, etc.

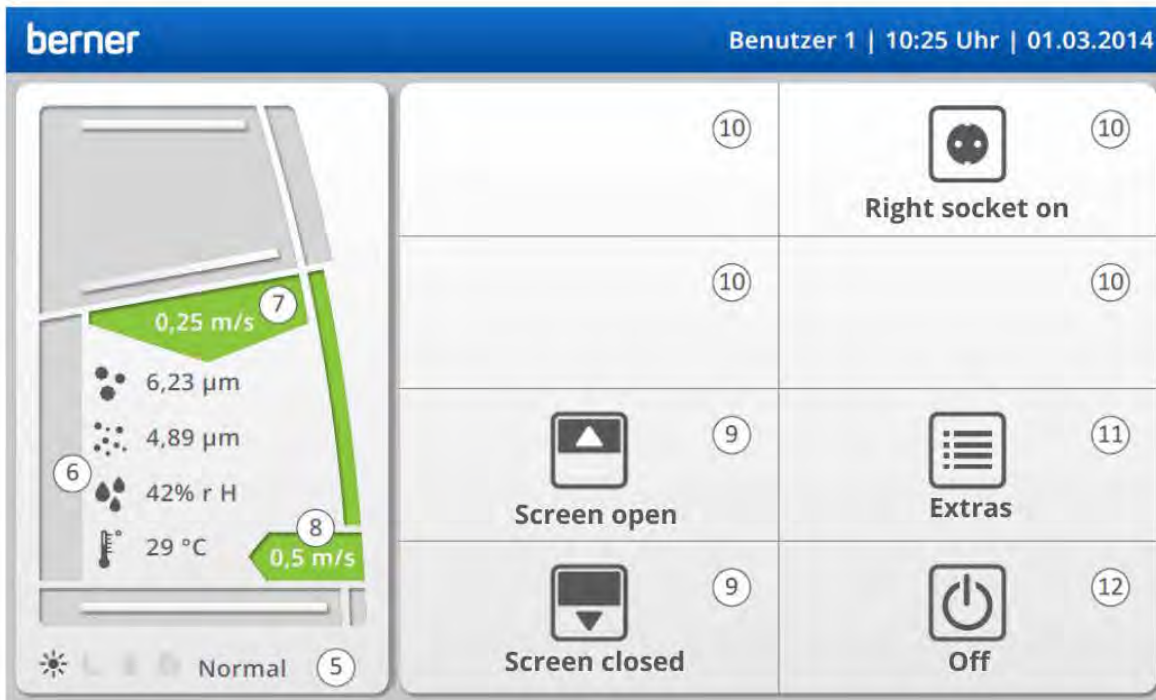
⑪ Extras

Mode, display and function settings, Activity instructions

⑫ Off

Switching off the SC

MAIN MENU INTERFACE OVERVIEW



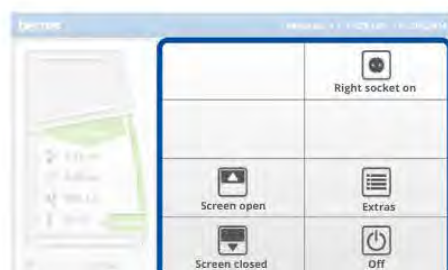
LEFT AREA OF THE MAIN MENU

Info area

- preset parameters
- chosen mode
- current operating status



Green means **SAFE**, rot red indicates an error or an **UNSAFE** condition.



LEFT AREA OF THE MAIN MENU

Operating area

- Function buttons
- Adjusting the windshield
- Extras
- Switching off the SC



Figure 01



Figure 02



Figure 03 - Identification via PIN code



Figure 04 - Identification via user name

Commissioning / Switching on

During commissioning, the start menu appears on the touch display. If the display is in standby mode (black screen) (after 1 minute of non-use), it is reactivated by briefly tapping the button.



Please note that the button must be pressed for **at least 0.5 seconds** to trigger an action.

In the further course of the menu, you can scroll up or down in various windows using the arrow keys or change setting values. The "Back" button takes you back one level. You can confirm an entry with "OK".

There are three ways to access the main menu with the corresponding presetting in the set-up:


1) By pressing the On button directly for at least 5 seconds (Fig. 02).

2) With identification of your own user profile via PIN code (Fig. 03)

3) With identification of your own user profile via user name (Fig. 04)

Main menu

The main menu is divided into two areas. In the right-hand section the parameters, the selected mode and the current operating status of the SC are presented.

 Green means **SAFE**, red indicates an error or an **UNSAFE** condition.

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Color of the light strip	Meaning
Green	Safe operating status (GMP- or ECO-mode)
Flashing red	Unsafe operating status
Yellow	Cleaning mode
Blue	Night mode
Light green	Energy saving mode

The electrically operated windshield can be moved up and down using the **"Windshield open / windshield closed"** buttons. Use the **Off** button to switch off the SWB.

Setting the mode

The **Extras** menu is divided into the following menu items: Mode, Display & function and Activity notes.

Press the **Extras** button and select the **Mode** button. Here you can select your desired operating mode.

There are four different operating modes.





-  Normal (depending on factory setting ECO or GMP mode)
-  Cleaning
-  Save energy
-  Night setback



Figure 05



Figure 06

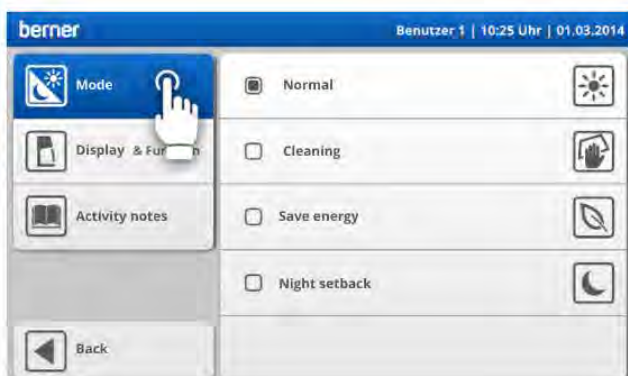


Figure 07



Figure 08



Figure 09



Figure 10



Figure 11

Normal mode ☀

Normal operation is designed for all regular activities of the user, such as such as the preparation of pharmaceuticals, inoculation of cultures, etc.

		EN 12469	DIN 12980	ISO 14644-3
GMP-Mode	Downflow	0,38 m/s	0,39 m/s	0,45 m/s
	Inflow	0,40 m/s	0,40 m/s	0,40 m/s
ECO-Mode	Downflow	0,28 m/s	0,29 m/s	0,34 m/s
	Inflow	0,40 m/s	0,40 m/s	0,40 m/s

Night mode 🌙

Night mode is designed for work interruptions with reduced engine power.

The front screen must be moved to the position that is important for night mode (90 mm opening height)! An incorrect position is indicated by an audible and visual alarm. The display under Info indicates that the target position of the front screen has not been reached (see Fig. 22) and should be moved to the correct position by pressing the screen buttons.

Cleaning mode 🧼

The cleaning mode is only designed and configured for cleaning activities, loading and unloading the work area, disinfection measures and operation of a UV lamp (optional).

Energy saving mode (ESM) 🔌

By activating the energy-saving mode (ESM), the energy consumption can be reduced by specifically lowering the illuminance in the SWB's working area as well as that of the display. This effect is enhanced when the auto on-off function* is also activated (see Fig. 14).

*Only for Claire pro



Figure 12



Figure 13

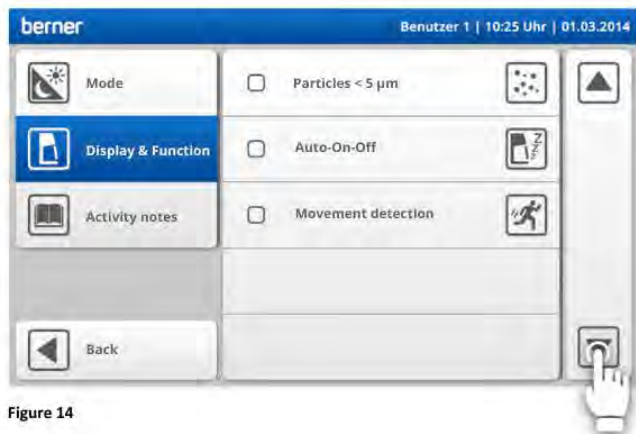










Figure 14

Setting the display

To access the **Display & function menu**, press the **Extras** button in the main menu and select the **Display & function** button. In this menu, you can select the parameters that are shown in the main menu in the display on the left. If no button is pressed for 10 seconds, the display automatically returns to the main menu.

-  Temperature
-  Humidity
-  Air inlet flow
-  Displacement flow
-  Particles > 5 µm
-  Particles > 5 µm
-  Auto-On-Off
-  Movement detection

Auto-On-Off-Function

The safety cabinet is equipped with an auto-on/off function to reduce energy consumption*. Presence sensors register a person working on the safety cabinet. If no person is detected, the SC goes into stand-by mode. The front window is closed and the lighting and ventilation are switched off. The process can be interrupted at any time by touching the display. When the user is back in the detection area, the SC restarts automatically.

The Auto-On-Off function can be activated or deactivated via the display*. The detection area of the presence sensors must not be obstructed by objects, for example.



*only Claire pro



Figure 15

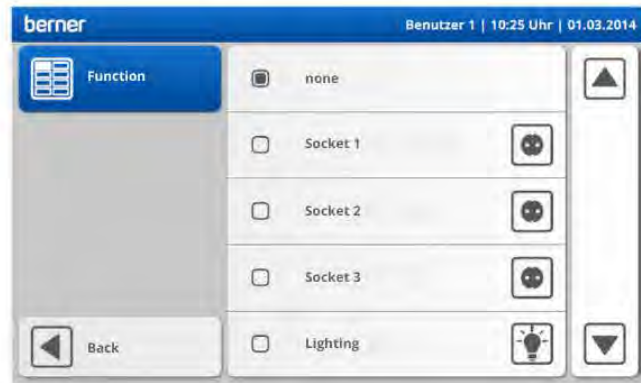


Figure 16

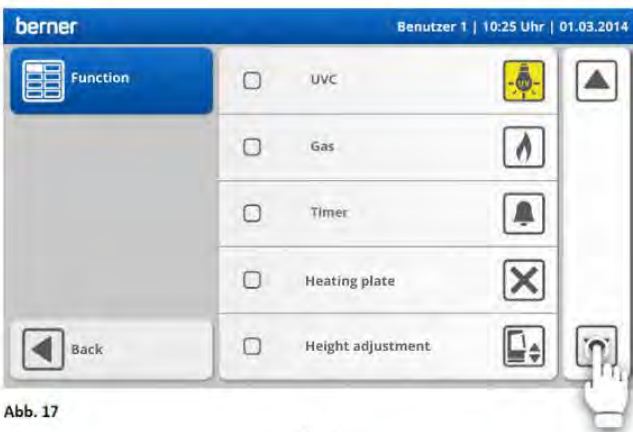


Abb. 17



Figure 18

Function button assignment

To assign a function button, press a free button for at least 5 seconds. The Function menu opens in which you can now choose between various components. Socket, lighting and timer are standard functions. UVC, gas, heating plate and height adjustment (electric) can only be used if these additional options are installed.

-  Power socket
-  Lighting
-  Timer
-  UVC
-  Gas
-  Heating plate
-  Height adjustment

The symbol for the selected function now appears in the main menu. Briefly press the function button again to activate or deactivate the function.

Using lighting as an example:


-  Function button activated
-  Function button deactivated



Figure 19

Holding the assigned function button for at least 5 seconds takes you to the "Settings" window for the respective function. Here you can configure settings such as continuous operation, dimming or timer function, timer or temperature.

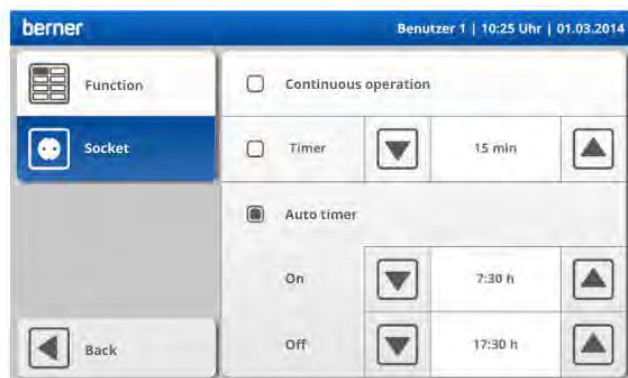


Figure 20



When using the timer on the sockets, make sure that the connected appliances do not cause any danger when unattended.

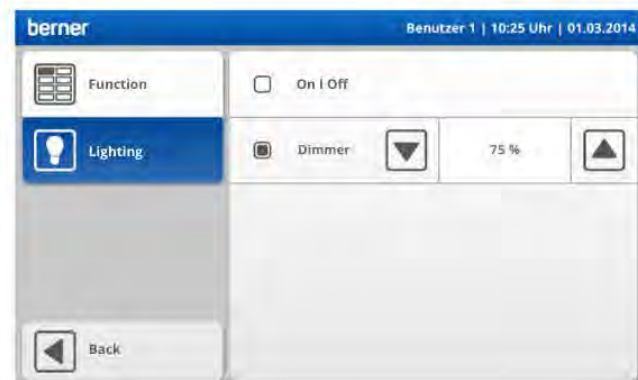


Figure 21



It is possible to use a dimmer to set the average illuminance on the work surface below the standardized required 800 lux. The set value is shown on the display as a percentage.



The safety cabinet is equipped with very energy-efficient high-performance LEDs. Avoid looking directly into the LEDs. Furthermore, no optics may be used within the light cone to focus the light beams. There is a risk of injury to the eyes!



Figure 22

Meaning of the alarms

Front windscreen is not in set position.



Info



Alarm



Figure 23

The air inlet speed is too low.
The air inlet speed is too high.



Figure 24

The displacement flow is too low.
The displacement flow is too high.



Figure 25

Warning of airflow disturbances*.

*only for Claire pro



No power supply on since dd.mm.yyyy at hh:mm.

Figure 26

IMPORTANT NOTES

Read the user information carefully before starting work.

→ Pay particular attention to the chapter-specific safety instructions.

→ All employees working on the safety cabinet must be trained annually. The training must be documented in writing.

→ Keep the user information in the close vicinity of the safety cabinet.

→ Failure to observe the user information can lead to Reduced performance or defects in the safety cabinet, damage to the health of the user and hazards to the environment.

→ Berner International GmbH does not accept any no warranty or liability for safety cabinets safety cabinets which are used outside the used outside the intended use.
intended use.

→ The information in this user information has been carefully checked and comes from reliable sources. Due to the possibility of human or technical error, Berner International GmbH assumes no liability or responsibility for errors, omissions or inaccuracies in this user information.

→ For translations into foreign languages, the German version of the user information is binding.

→ The content of the user information can be changed at any time and without notice.

IDENTIFICATION

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Marking

Depending on the area of application of the safety cabinet (hazardous substances: cytostatics, biological or radioactive, etc.), it must be labelled with warning signs in accordance with DIN 4844-2. The type plate with the required performance data and the details of the working points are located on the left under the front cover.

The hazardous material stickers are enclosed with every safety cabinet and must be affixed to the device by the user depending on the area of application.



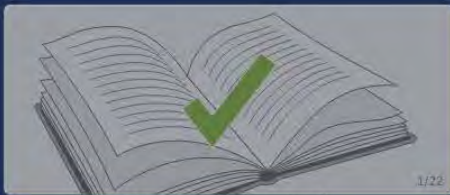
Copyright and property rights

The product group name BERNER Claire® is a registered and protected trade mark. Infringements will be legally prosecuted.

The Spill-Liquid-Guard is a registered utility model. Utility model infringements (e.g. copy or similar) will be legally prosecuted. The main filter stage below the work surface with HEPA cartridge filters, the Auto-On-Off function and the detection system for disturbing currents are a patented system. Patent infringements (redesign, copying, etc.) will be legally prosecuted.

The shield design is a registered design and reserved exclusively for the manufacturer. Violations of the design law (e.g. imitation of shape, colour, form) will be legally prosecuted.

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Note user information!



Instruct and authorise personnel!



Safety cabinet: Individual workstation!



Use personal protective equipment!



Safe: Green graphics



Unsafe: Red graphics + acoustic warning signal



Critical activities only with the front screen in the working position!



FOR ASEPTIC WORK ON SAFETY CABINETS



Do not block the suction openings!



Do not block the exhaust air openings!



Safe area: Closed work surface!



Workspace: No storage area!



No strong heat sources (e.g. gas burners) in the workspace!



Organise material transport properly!



Clean and disinfect the material before and after use!



Close communication between pharmacy and station!



Quality-orientated production!



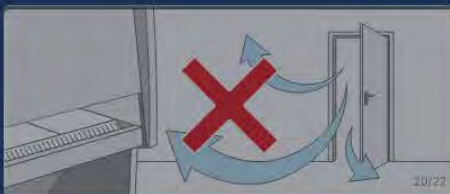
Clean and disinfect the work space daily!



Observe the rules of good microbiological and/or aseptic techniques!



Avoid rapid arm movements in and frequent removal of hands from the work area!



Avoid disturbing air movements in the surroundings!



Usually only particles and no gases are separated!



Regular inspection by authorised and expert service!



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