

# GK Relax

version 36.4



*User manual*  
*11/2017*

CE



*Congratulations on your decision to purchase a GK Bathtub. You have acquired an Austrian quality product which will considerably ease the strain involved in patient care.*

*Due to their advanced ergonomic design, GK Bathtubs are simple and straightforward to use. In spite of that, we would ask you to study the instructions carefully before operating the bathtub. The detailed information contained in this manual will facilitate your practical work.*

## ■ Contents

<b>For your safety</b> .....	<b>3</b>
<b>Preparation for bathing</b> .....	<b>4</b>
<b>Components</b> .....	<b>5-7</b>
<b>Control panel overview</b> .....	<b>8</b>
<b>Functions</b> .....	<b>9-15</b>
How the control panel works .....	<b>9</b>
Activation card .....	<b>9</b>
Standby mode .....	<b>9</b>
Raising & Lowering the tub .....	<b>10</b>
Tilting the tub .....	<b>10</b>
Opening & Closing the door .....	<b>10</b>
Emergency button .....	<b>10</b>
Locking button .....	<b>11</b>
Setting the temperature .....	<b>11</b>
Temperature display tub fill & shower .....	<b>11</b>
Closing & Opening the Drain (Draining the tub) .....	<b>12</b>
Filling the tub .....	<b>12</b>
Shower .....	<b>12</b>
Shampoo & Bath additive .....	<b>13</b>
Hydro-massage .....	<b>13</b>
Setting the intensity .....	<b>13</b>
Sound & Vision .....	<b>14</b>
Disinfection .....	<b>15</b>
Flowmeter .....	<b>15</b>
<b>Care &amp; Cleaning of the tub</b> .....	<b>16</b>
<b>Troubleshooting</b> .....	<b>17</b>
<b>Maintenance / Service</b> .....	<b>18</b>
<b>Intended use</b> .....	<b>19</b>
<b>Certificates, Standards &amp; Regulations</b> .....	<b>19</b>
<b>Technical data</b> .....	<b>20</b>
<b>Identification plate</b> .....	<b>21</b>
<b>Transport, Storage, Recycling</b> .....	<b>21</b>
<b>Notes</b> .....	<b>22</b>

## ■ For your safety

- Make certain that this bathing system is operated only by trained personnel.
- Always check the water temperature before the client enters the bathtub or when the shower spray is applied to the client.
- Make certain that the equipment is thoroughly cleaned after every use.
- Make sure that each client is assessed for its ambulatory capability, ensuring the client's safety when entering and exiting the bathing system (utilize handgrips, correct entry height, correct client transferring device, etc.).
- When using disinfection, wear rubber gloves and eye protection. In case of eye or skin contact, follow the procedures on the disinfectant container and material safety data sheet.
- Always make sure that the device is supplied with power.
- Make sure that there are no materials right next to the tub to ensure a safe up and down movement. Disregarding this tip can cause bad injuries or damage the device.
- Don't deposit any things on the bathtub. Because of movement and vibrations, things can fall on the floor or in the tub.
- We want to point out that a lifting bathtub is a nursing tub and the bathing of the inhabitant has to be effected by use of a suitable lifter.
- Should no lift be used we recommend to furnish the bathtub with handles.

**Note:** *The safety rules and instructions in this operating manual must be observed in order to ensure safe and proper use of the equipment. Adjustments and repairs must be carried out by authorized and appropriately qualified persons. All claims under guarantee become void if these requirements are not met.*

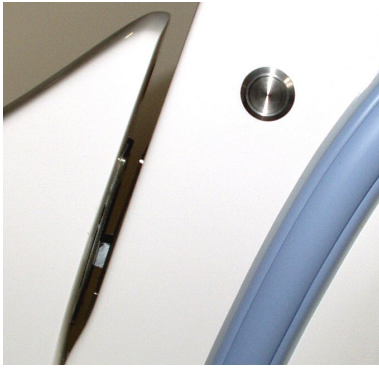
## ■ Preparations for bathing

- If the drain knob isn't in the drain system put it back now.
- Put the pillow to the right position.
- Select a pleasant fill temperature.
- Fill the tub in the foot area and help the client to enter the tub.
- Close and lock the door.
- Move the bathtub in the working position. Optionally with the hand controller or the control panel.
- Now fill the tub complete by pressing the "TUB FILL" button.
- Use the "UP" or "DOWN" buttons to bring the tub in a comfortable working height.
- To add bath additive to the water press the corresponding button as long as there is enough liquid in the tub.
- Press the "SHAMPOO" button to dispense an adequate amount of the product. Keep your hand under the dispenser system as long as you hold the button.
- If the client wants the hydro-massage, then activate the desired treatment. Choose the intensity and wait until the time has been elapsed.
- If you want to use the shower at any time during the bath cycle, then press the "SHOWER" button and remove the white shower wand from its holder. To start showering press the black trigger.
- Drain the tub and help the client out of the bathtub.
- Before you start a new bath cycle you should clean the tub and go through the disinfection procedure.



## ■ Components

1. Automatic door
2. Control panel
3. Mixer
4. Fill in spout with dispenser
5. Hydro-massage jet
6. Drain
7. Overflow
8. Handgrip
9. LED Lights



- Locking button and locking device

- Emergency button
- Lockable door for solutions



- USB port

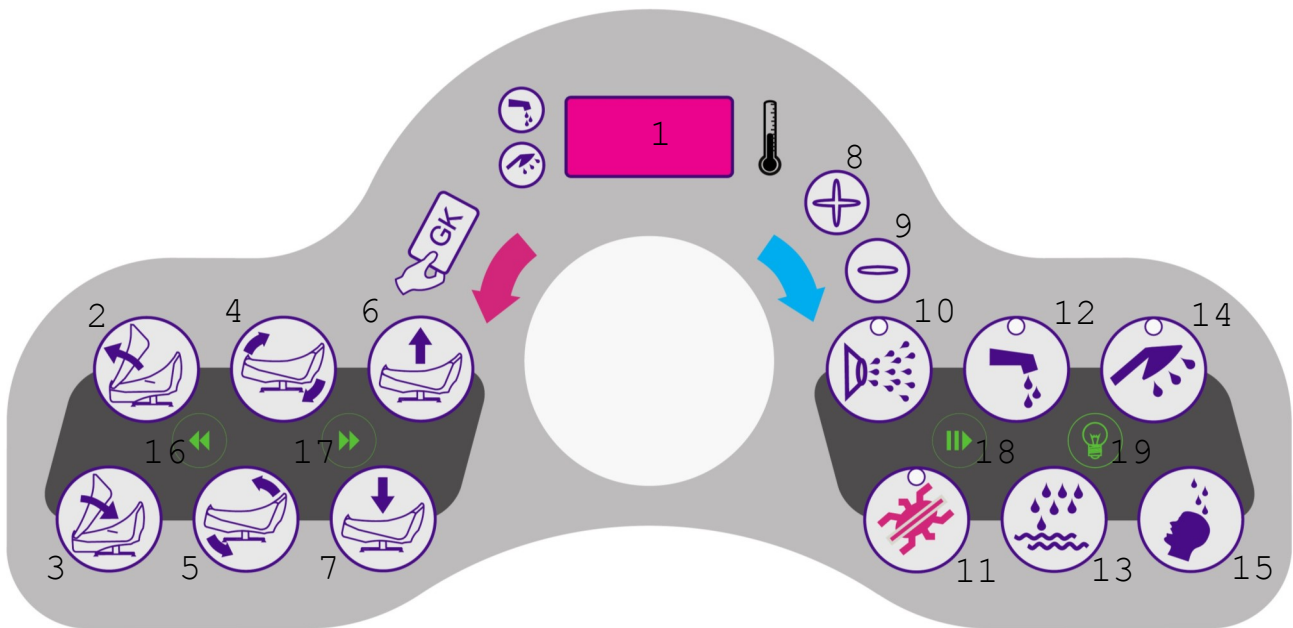


- Disinfection with flowmeter





## ■ Control panel overview



1. **Display** Tub fill- & shower temp.
2. **Button** Door open
3. **Button** Door close
4. **Button** Tub recline backward
5. **Button** Tub recline forward
6. **Button** Up
7. **Button** Down
8. **Button** Intensity/Volume +
9. **Button** Intensity/Volume -
10. **Button** Hydro-massage
11. **Button** Disinfection
12. **Button** Tub fill
13. **Button** Bath additive
14. **Button** Shower
15. **Button** Shampoo
16. **Button** Back
17. **Button** Next
18. **Button** Play/Pause
19. **Button** Lights

### ■ Functions

#### How the control panel works

Status LEDs are located next to most of the keys. These give you information about the current operating state of the respective function.

- Dark not available, switched off
- Lighting available, switched off
- Flashing switched on
- Fast flashing too little disinfection liquid (only by Disinfection)

#### Activation card



After switching on the tub for the first time, or in standby mode, all the functions are disabled. To make the tub work, use the magnetic card and skim over the symbol. After a few seconds the device should turn to normal mode.

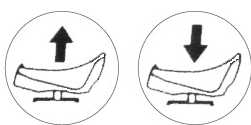
**Note:** Optionally you can use the device without magnetic card. If this option has been implemented you can start by pressing a button.

#### Standby mode

This mode saves the device from unauthorized use and increases the lifetime of the whole product. In this mode the current consumption is trimmed to a minimum, which helps to save energy. The tub automatically switches to standby when it's empty and not used for a while.

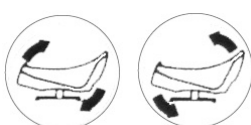
**Note:** After 10 minutes no function was in use the device is changing in the standby mode, if the tub is empty.

### Raising & Lowering the tub



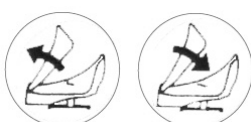
This tub allows caregivers to bathe clients in an ergonomic environment. Adjusting the tub to a comfortable working height enhances the bathing process. The "UP" and "DOWN" buttons are used to raise or lower the tub. The movement continues for as long as the button is pressed. When the button is released, the movement stops. In the upper and lower end-positions the tub stops automatically.

### Tilting the tub



Using both of these buttons you are able to tilt the tub. The movement continues for as long as the button is pressed. In the upper and lower end-position the tub stops tilting automatically.

### Opening & closing the door



To open or close the automatic door you can use these buttons. The movement continues for as long as the button is pressed. In the upper and lower end-position the tub stops moving automatically. The "door open" button is also to unlock the door, but to do this the tub must be empty and completely tilted forward.

**Note:** *Check that the door is free from objects, if you are closing it, because it can cause damages.*

**Note:** *Should your GK Relax be equipped with an manual lock, than you have to manually open and close the door.*

### Emergency button



This button unlocks and subsequently opens the door. In this case it doesn't matter if there is water in the tub or which position the tub is in. Only use the button in an emergency situation.

**Note:** *The emergency button must be pressed for longer than 2 seconds before it is unlocking the door. In the case of a short unintentional activation it will nothing happen.*

### Locking button



With this button you can activate the locking device. As safety feature the locking device activates after pressing the button for 2 seconds. Furthermore you have to hold the button until the door is locked, or it will open again. It is only possible to activate the locking device if the door is completely closed.

**Note:** Be sure that the door is in the right position before you lock the door.

**Note:** Should your GK Relax be equipped with an manual lock, than use the lock lever to lock and unlock the door.

### Setting the temperature



You can set the temperature for tub fill and shower to any desired value by turning the mixing valve tap. The selected temperature will be shown in the display.

**Note:** *For safety reasons the temperature is mechanically limited to 38 °C (Standard-Mixer). To override this safety feature, press the red button on the knob. Now it is possible to select a higher temperature. Use extreme caution when overriding the temperature limit. In the disinfection cycle you should always use the maximum shower temperature. This guarantees a better elimination of bacteria.*

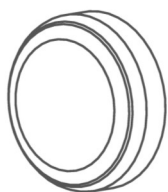
*The thermostatic mixer is adjusted at 3 bar flow pressure at both supplies. If you have different supply pressure it may be necessary to do a readjustment.*

### Temperature display tub fill & shower



This display always shows the actual filling respectively shower temperature when they are in use. If none of these functions are active, the display shows a double minus.

### Closing & Opening the Drain (Draining the Tub)



To open or close the drain, turn the chrome drain plug knob in the appropriate direction. We recommend closing the drain system when the inflow is active.

### Filling the tub



When you press this button the tub starts filling and the light on the button starts flashing. The water stops running when the maximum filling level has been reached. Then the button will be disabled until you drain the tub again. You can also stop the function at any time by pressing the button. If the tub is full you can hold the button down for more than 2 seconds to continue filling until you release it.

#### **Note:**

*To fill the tub to the maximum the tub must be in working position.*

### Shower



The shower can be operated at any time except during parts of the disinfection procedure. To activate the shower, press the button and remove the white shower wand from its holder. The light on the button starts flashing. Press and hold the black trigger directly on the white shower wand to begin showering. After you have returned the wand to its holder and pressed the button again, the water flow is automatically shut off to prevent spillage.

#### **Note:**

*In the disinfection cycle you should always use the maximum temperature for shower. This guarantees a better elimination of bacteria. For safety reasons this function will be automatically disabled after a few minutes. But you can activate it again by pressing the button.*

### Shampoo & Bath additive

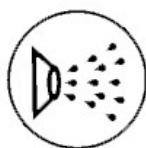


Both functions can be used at any time if there is water in the tub. By pressing the button the selected dispenser pump starts running as long as you hold the button. If there is no liquid coming out of the system, make sure that both boxes are full. The liquid is coming out on the fill in spout.

#### **Note:**

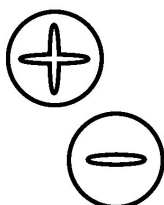
*When you install a new box it might take a while to get all the air out of the tubes and the whole system. You possibly have to use the function more than once and for a longer period of time. Always make sure that the caps are completely screwed on the thread.*

### Hydro-massage



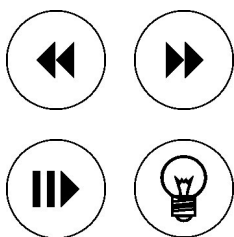
Hydro-massage is only available when there is enough water in the tub. The button will then be enabled and the light on the button illuminated. Press the button to start the function. The therapy will last as long as the factory set time has been elapsed. Then the button will be disabled until the next bath cycle. You can stop the therapy at any time by pressing the button.

### Setting the intensity



If the hydro-massage is enabled you can adjust the intensity. At the beginning of the therapy the intensity is on the lowest level. Press the "+" or "-" button to change the intensity.

## Sound & Vision

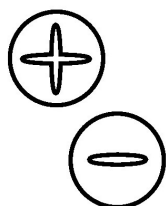


The feature „Sound & Vision“ can playback music files which are stored on a USB stick on speakers build into the tub body. Furthermore, by means of LEDs on different sides it can suffuse the water with light in various colours.

When your GK tub is activated and the optional feature “Sound & Vision” is installed, then the buttons “Play/Pause” and “Lights” will flash slowly in a rhythm of 3 seconds (ready mode).

### Sound

First of all ensure that a USB stick with readable music files (mp3, wma, aac) is inserted into the USB port (behind the maintenance flap)! When pressing the button “Play/Pause” all the recognized music files will be played back, sorted by name (and the button starts to flash faster). Furthermore, the buttons “Back” and “Next” are released and illuminated continuously. When pressing these buttons the player switches to the previous (press 2x) or next track.



The volume can be adjusted by pressing the buttons “+” and “-”. (These buttons first of all regulate the intensity of hydromassage. Therefore, the music’s volume can only be adjusted when this function is not active.)

When pressing the button “Play/Pause” again, the playback of the music is paused (and the button starts to shine continuously). When pressing it a third time, the playback continues. In case the pause exceeds 30 seconds, the player resets itself to ready mode automatically. Thereafter, a further playback would again start at the very beginning. (In case the USB stick got pulled during playback or if it was not in the port at the start of playback (the button flashes faster), then, after (re-)inserting the stick, the button “Play/Pause” must be pressed 2x in order to (re-)start the playback.)

### Vision

When pressing the button “Lights”, the LED lights are switched to “slow continuous colour change” mode (and the button starts to flash faster).

When pressing the button “Lights” again, the colour currently visible in that moment is fixed (and the button starts to shine continuously).

Pressing this button a third time will switch back to ready mode and the LED lights off.

### Disinfection

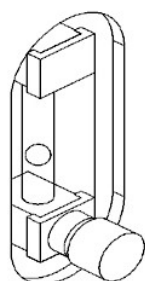


The bathtub can be disinfected only when the tub is empty. If there is water in the tub, then the light on the button is invisible. Press the "DISINFECTION" button and remove the red shower wand from its holder. The light on the button should start flashing. When activated, an accurately measured amount of disinfectant is directed into the wand for optimum disinfection and cleaning. Press and hold the black trigger directly on the red shower wand and spray all internal tub surfaces including each hydro-massage jet. Replace the disinfection wand into its holder and press the button again. After the prescribed contact time, press the "SHOWER" button and use the white shower wand to rinse the interior tub surfaces thoroughly. For cleaning, maximum temperature should be selected. To complete the whole cycle disable the shower. Then the hydro-massage jets will be turned on for a few seconds.

#### **Note:**

During the whole disinfection procedure all other functions are disabled. For safety reasons you cannot fill the tub again until the disinfection procedure has been fully completed. If the disinfection container is empty, the light will flash rapidly. When using disinfection, wear rubber gloves and eye protection. In case of eye or skin contact, always follow the procedures on the disinfectant container and material safety data sheet of the product you are using. In the event of contact, obtain medical attention as soon as possible.

### Flowmeter



The flowmeter is used to adjust the mixture ratio between water and disinfectant. The table next to it should help you to find the right values. Always follow the instructions of the liquid manufacturer. Generally the flowmeter setting should be done when you first install the tub.



## ■ Care & Cleaning of the tub

**Any product used to clean or disinfect your GK bath must be free from any abrasive, alcohol & corrosive ingredients. Never use any kind of customary glass cleansers, solvents (e.g. acetone) or similar detergents or dilutions. Never use harsh or pointed utensils, e.g. rough clothes, scrubbing sponges, scouring pads or any tools. If you are in any doubt about your usual cleaning products please contact your GK representative before use.**

**Note: Any damage caused by unapproved / unsuitable products will not be covered by the manufacturer's warranty.**

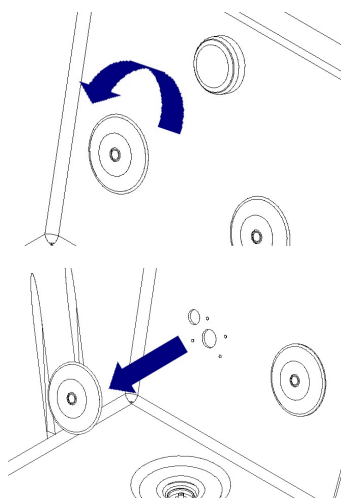
For cleaning, after use always rinse the bath tub thoroughly with the shower hose. Any dirt which adheres to the bathtub surfaces must be removed with a soft sponge or cloth and, if necessary, customary detergents (besides the above mentioned restrictions). Always clean the plastic parts wet or damp but never dry.

**We recommend using our approved shampoo and bath additive products with your GK bath.** Other products may cause more persistent dirt being harder to clean.

**We also recommend for you to polish the white bath tub body once a month with car polish cream.** This will give the bathtub a smooth, water repellent surface and will make routine cleaning considerably easier - it will also enhance the appearance of your GK bath.

**Once in a while, the door seal should be treated with talcum to give the seal a smooth surface. This way the door will not stick to the door frame.**

A disinfection cycle should always be performed after cleaning.



Where fitted, the hydromassage jet coverings should also be cleaned & disinfected (see pictures).

To do that, unscrew the jet cover anti-clockwise. Now clean the cover, the inlet aperture and the outlet aperture thoroughly.

Re-assemble the jet cover by rotating it clockwise.

**Note: Do not use excessive force!**

If you have any further questions or require more information please contact your local GK representative, who will be happy to advise.

### ■ Troubleshooting

**The temperature regulation by means of the thermostat mixing valve doesn't properly work.**

Possibly the cartridge is defective and has to be changed.

**Disinfection doesn't work and the button is flashing very fast.**

The disinfection container is empty. Replace it with a full disinfection container.

**Disinfection doesn't work and the button is flashing very fast even though the container is full.**

The disinfection sensor is defective and has to be replaced.

**No bath additive or shampoo appears.**

The corresponding box is empty or there is air in the system. Replace the container and check the connections.

**The light on the hydro-massage button doesn't light up even though there is more than enough water in the tub.**

The fill level sensor is defective and has to be changed.

**Water continues to run into the tub even though the maximum fill level must already have been exceeded.**

The fill level sensor is defective and has to be changed.

**All the functions are disabled except the "door open" and "tilt forward" and the display shows "F3".**

No power supply detected. Try to solve this problem as soon as possible otherwise the emergency battery will be completely emptied.

## ■ Maintenance

- Check the hoses, tubes and connections from time to time.
- Make certain that the disinfectant container is monitored.
- Make certain that you always have enough shampoo and bath additive.
- We recommend that you take advantage of our maintenance service and request a safety and functional check every 12 months.
- Adjustments and repairs must be carried out by authorized and appropriately qualified persons.
- Check if there are any cracks or other damages on the tub body.
- Check the sieves of the shower wands and clean them if necessary.
- Clean the jet coverings of the hydromassage systems from time to time.
- When servicing the bathtub the unit must be unplugged and switched off.

## ■ Service

At least **once a year** a service or safety inspection in accordance with Medical Device Directive (MDD) is mandatory.

- Remember that GK service is unmatched in quality and also with regards to warranty issues. GK will only consider itself liable for safety-related matters if maintenance, repairs, modifications etc. are exclusively carried out by our service team or by agents authorized by us.

In the event of problems occurring, clear and detailed information about symptoms, type and serial number (see type plate) will help us to respond promptly.

### ■ Intended use

Bathing system for bathing patients with restricted mobility. The bathing system is mainly used in care institutes, to a lesser degree also on hospital wards. It is used in a professional environment by trained and competent personnel.

### ■ Certificates, Standards & Regulations

The bathtub complies with the essential requirements pursuant to Appendix I of the Medical Device Directive 93/42/EEC.

In accordance with the classification regulations pursuant to Appendix IX of the Medical Device Directive 93/42/EEC, the bathtub is a Class I medical device.



#### **ISO 9001**

Our production is subject to a quality management system according to ISO 9001.



#### **CE mark**

The CE mark has been affixed as proof of its compliance with the legal requirements of Appendix I of the Medical Device Directive 93/42/EEC.

## ■ Technical data

### - Bathtub **GK Relax**:

- Voltage: AC 230 V / AC 115 V
- Frequency: 50 Hz / 60 Hz
- Power consumption: 360 VA
- Fuses: 6.3 A time-delay  
15 A time-delay  
25 A time-delay
  
- Protection class: I
- Degree of protection: IPX4
- Protection type: Type B 
  
- Lifting weight: 400 kg
- Lifting height: 150 mm
  
- Maximum length: 2070 mm
- Maximum width: 790 mm
- Maximum height (with closed door): 1390-1540 mm
- Maximum height (with open door): 2030-2180 mm
  
- Time of guarantee: 2 years  
(except wear parts)
  
- Classification according to MDD 93/42/EEC): **Class I**

■ Identification plate



Identification plate

This plate give you some information's about the Product, for instance type, production date, serial number,...

■ Transport, Storage, Recycling

Operating conditions

Max ambient temperature: 40 °C  
Max relative humidity: 80 % not condensed at 20 °C  
Atmospheric pressure range: 500 hPa to 1060 hPa

Transport and Storage

Ambient temperature range: -20 °C to 60 °C  
Relative humidity range: 80 % not condensed at 20 °C  
Atmospheric pressure range: 500 hPa to 1060 hPa

Recycling

Package: Wood and corrugated cardboard, recyclable  
Product: Electric, steel and plastic parts shall be separated and recycled

## ■ Notes



Georg Krämer Ges.m.b.H. & Co. KG

A-4061 Pasching  
Neuhauserweg 14

Tel. +43 / (0) 7229 / 64450  
Fax +43 / (0) 7229 / 70664  
[service@gk-medizinmechanik.at](mailto:service@gk-medizinmechanik.at)  
[www.gk-medizinmechanik.at](http://www.gk-medizinmechanik.at)