WISKA
make power smile

Operating instructions

Remote control unit for Searchlights
RCU-E-S

Change history

Date	Designation	Reason for change
02/2026	Operating instructions RCU-E-S	First edition

List of abbreviations

FL	Remote controlled pan/tilt unit
IP 56	Protection against dust deposits – including internal dust deposits, protection against contact Prrotection against strong water jets from any angle.
RCU	Remote Control Unit (remote control unit / remote control)
Pan (H)	Pan, horizontal
Tilt (V)	Tilt, vertical

Table of contents

1 About this manual

1.1 Structure and purpose of these operating instructions

The operating instructions are important for installation, maintenance, and operation. They must be observed in order to avoid hazards, reduce repair costs and downtime, and increase reliability and service life.

Read the manual carefully! WISKA Hoppmann GmbH is not liable for damage or malfunctions resulting from failure to observe the operating instructions.

1.2 Users and target groups

These operating instructions are intended for operators, specialist personnel, and operating personnel. If a chapter is intended for a specific target group, this will be indicated in the introduction.

Anyone who operates and maintains the product must have read and understood the contents of this operating manual and follow all safety instructions and operating instructions to handle the product safely at all times. Every user must be trained and instructed in the use of the product.

Working on the product without the aid of this manual is not permitted.

1.3 Safety instructions

1.3.1 Standard safety instructions

Safety instructions at WISKA are created according to the SAFE principle and derived from the residual risks identified in the risk assessment:

- Keyword
  The keyword indicates the severity of the hazard (danger, warning, caution, note).
- Type and source of the hazard
  The type and source of the hazard are derived from the EN ISO 12100 standard.
- Consequences
  Indicates the possible consequences of non-compliance.
- Escape or avoidance
  This section lists ways to escape, avoid or prevent the hazard.

Hazard Keyword
Type and source of the hazard Consequences arising from this hazard Escaping and avoiding the hazard.

1.3.2 Structure of safety instructions

The chapter on safety and warning notices describes the structure and use. Before describing a potentially dangerous situation, a warning notice is used to point out this situation that should be avoided.

DANGER

Danger refers to a hazardous situation which, if not avoided, will result in immediate death or serious injury.

WARNING

Warning refers to a dangerous situation which, if not avoided, could result in death or serious injury.

CAUTION

Caution refers to a hazard with a low degree of risk which, if not avoided, could result in minor or reversible injury to persons.

CAUTION

Caution indicates the possibility of damage to the product and its function.

1.3.3 Embedded safety instructions

In order to avoid interrupting the flow of reading during descriptive activities, additional embedded safety instructions are used for procedural activities. These are as follows:

1. ...take ...
2. ...open...

   ⚠CAUTION

   Burns from hot surfaces.

   Searchlights in operation heat up and can cause burns.

   Ensure that the searchlight has cooled down before starting work.

   Wear suitable personal protective equipment.
3. ...disconnect...
4. ...remove...

✓ The assembly has been removed.

1.4 Labels and symbols

Symbol	Meaning	Use
	Hazard symbols Warns of an imminent danger.	Safety and warning notice
	Hazard symbols Warns of an electrical hazard.	Safety and warning notice
	Hazard symbols Warns of suspended loads when working overhead.	Safety and warning notice
	Mandatory sign De-energize the system before starting work.	Safety and warning notice
	Mandatory sign Observe the operating instructions.	Safety and warning notice
	Mandatory sign Ground before working and use	Safety and warning notice
	Information A qualified electrician is required for installation.	Safety and warning notice

2 For your safety

2.1 General safety instructions

The following safety instructions must always be followed:

Read the operating instructions thoroughly before using, maintaining, or repairing the product. Failure to do so may result in danger to people and damage to the product.

- Observe all safety instructions in this operating manual.
- Observe national and local regulations when working on and installing the product.
- Maintenance or repairs may only be carried out by qualified electricians.
- Before starting work, disconnect the electrical system from the power supply and secure it against being switched back on.
- When working on the searchlight, the system must be disconnected from the power supply and the remote control unit must be switched off.
- The installation position must always be safe and accessible.
- Do not modify products without authorization, as the resulting dangers are unpredictable.
- Unauthorized modifications will void the operating license and warranty of the product.
- Only use original spare parts purchased from WISKA.
- The use of unauthorized spare parts will void the warranty.
- Switch off the device if smoke develops, it becomes very hot, or it makes noises.
- Never use the remote control unit to point the searchlight at people other than those searched for. They may be dazzled. Eye damage is possible.
- Ensure that no persons are in the area of the pan and tilt unit when the searchlight is operated via the remote control.

2.2 Specific safety instructions

This remote control may be installed in a location where the controlled searchlights are not directly visible. Ensure that no persons are in the pan and tilt range of the searchlights during operation.

WARNING

Risk of glare

- Switch off the device before performing any work at it.
- For testing purposes, point the searchlight at water or open terrain.

2.3 Intended use

The RCU is used to control one or more WISKA searchlights from the control room or bridge. This includes switching them on and off, adjusting the light intensity and focus, and panning and tilting the searchlights.

2.4 Foreseeable misuse

It is prohibited to use the control to illuminate or dazzle people on the ship. The luminosity is so high that it could cause injury to people. It is prohibited to dazzle oncoming or crossing ship traffic or traffic near the shore, or to give false signals with it.

2.5 User qualification /specialist knowledge

Knowledge of an electrician is required for installation, commissioning, and repair. Technical personnel must have a level of training that enables them to safely connect mechanical and electrical connections and test the function. Specialist knowledge as an electrician is required for disassembly. Disposal requires the usual care when handling old electrical equipment.

2.6 Hazardous areas and hazardous locations

Hazardous areas and points include, among others:

- Operation via RCU: Pan&tilt range not visible.

3 Technical description

3.1 Function and design

Searchlights on electric pan-tilt units are operated using the remote control unit. Multiple searchlights can be controlled. They are aligned, switched on, and switched off. Depending on the scope of equipment of the searchlights, the focus can be changed. Presets allow different positions to be called up quickly. The remote control unit is delivered fully configured as part of a searchlight system. Settings that are not relevant are hidden. Some parameters can be adjusted by the user.

3.2 Overview

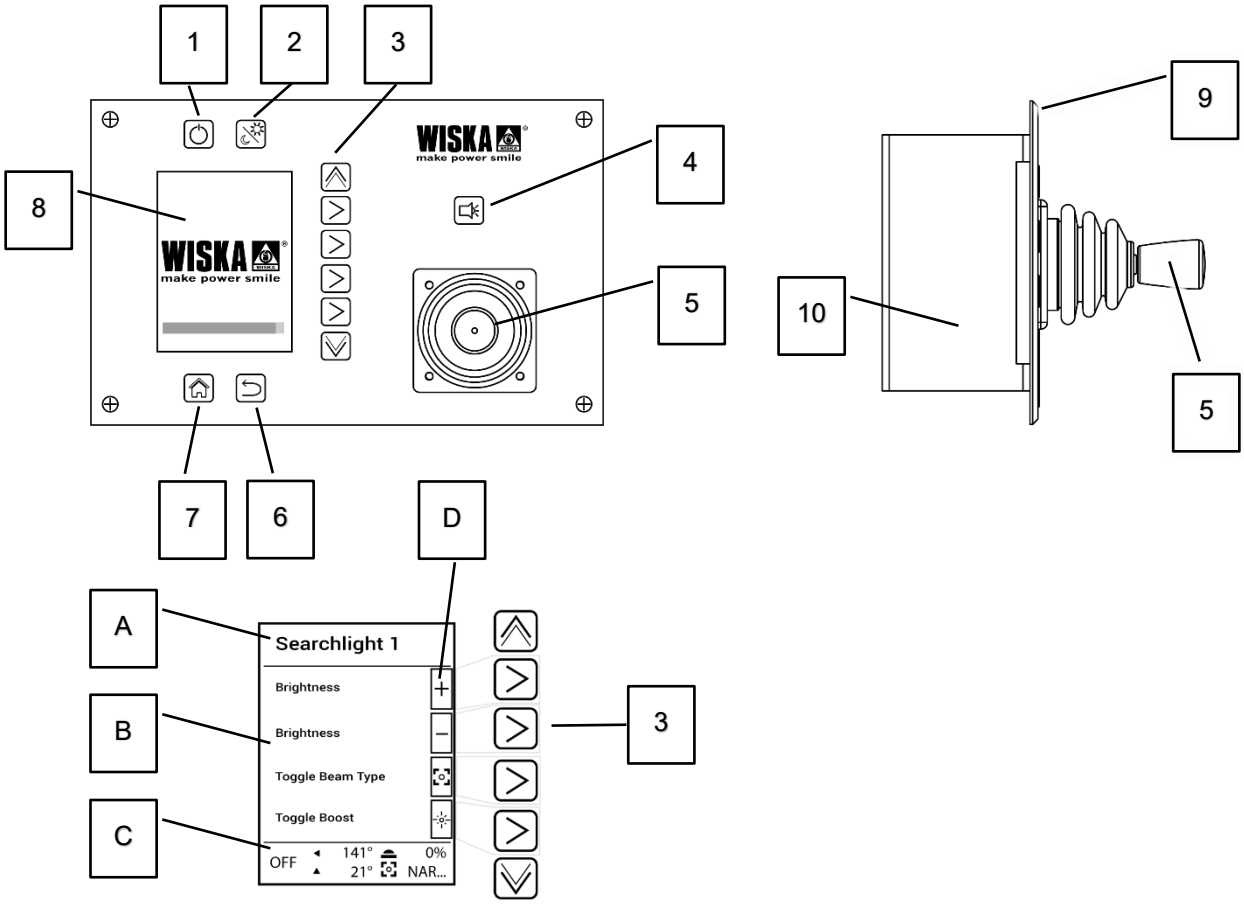


Figure 1 Overview of RCU and structure of the display

Note: The remote control unit is a component of a searchlight system and its functions are tailored to WISKA searchlights. Always observe the operating instructions for all searchlights used in the system.

Item	Designation	Item	Description
1	RCU display on/off switch	**2**	Button for dimming back-ground lighting of RCU
3	Parameter setting button	**4**	Button for switching on searchlight
5	Joystick with button	**6**	Back button (menu level)
7	Home screen button	**8**	Display
9	RCU front panel	**10**	RCU housing
A	Display: Status bar Selected menu item	**B**	Display: Main area Parameters
C	Display: Status display Operating parameters	**D**	Display: Symbol for parameters

4 Transport, unpacking

4.1 Transport/lifting/moving

Depending on the configuration, the product is delivered on a pallet or in weatherproof and sturdy packaging.

Check the packaging for obvious transport damage. If there is any damage, please contact customer service.

Temporary storage and transport in the original packaging material.

4.2 Unpacking

1 Loosen the lashing straps on the package

2 Remove the packaging materials.

3 Take out the product and the written information materials.

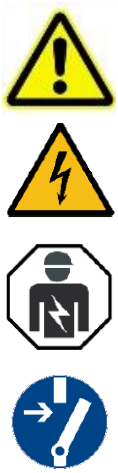
4 Dispose of the packaging materials.

✓ The product is now unpacked.

5 Installation and assembly

5.1 Electrical connection

The remote control unit must be connected to the network cable and power supply before installation.



DANGER

Danger to life due to electric currents.
Working on open circuits can result in short circuits and ground faults.

- ➔ Work on electrical components may only be carried out by a qualified electrician.
- ➔ Ensure that the system is disconnected from the electrical connection.
- ➔ Secure the power supply against being switched back on.
- ➔ Cover open third-party system components.
- ➔ Short-circuit system components if necessary.
- ➔ Test whether the system is de-energized.

5.1.1 Electrical connection values

Supply voltage: 24 V DC.

Connection: 1x Power 24V DC Pluggable Terminal Blocks 3 Pos 3.81mm pitch Plug 24-16AWG Spring, 1x Ethernet RJ 45.

Device fuses Self-resetting fuse 1.1A, included in delivery

The connections between the remote control unit and the pan/ tilt unit can be found in the searchlight‘s circuit diagram (see separate manual) or in the approval drawings.

5.1.2 Notes on electrical connection

- ➔ The applicable national and international regulations must be observed.
- ➔ The system’s main switch and fuse must be switched off during work.
- ➔ The connection must be made correctly and unambiguously.

5.1.3 Connection

The RCU must be wired before installation .

1. Connect the network cable.
2. Connect the power supply cable.
   Pin assignment: Pin 1: +24V, Pin 2: −, Pin 3: PE

✓ The product is now ready for installation in the control panel.

5.2 Installing the remote control unit

The remote control unit is installed in the control cabinet or a suitable surface on a ship.

NOTE

Connection cable
Space for a supply cable must be provided on the ship.

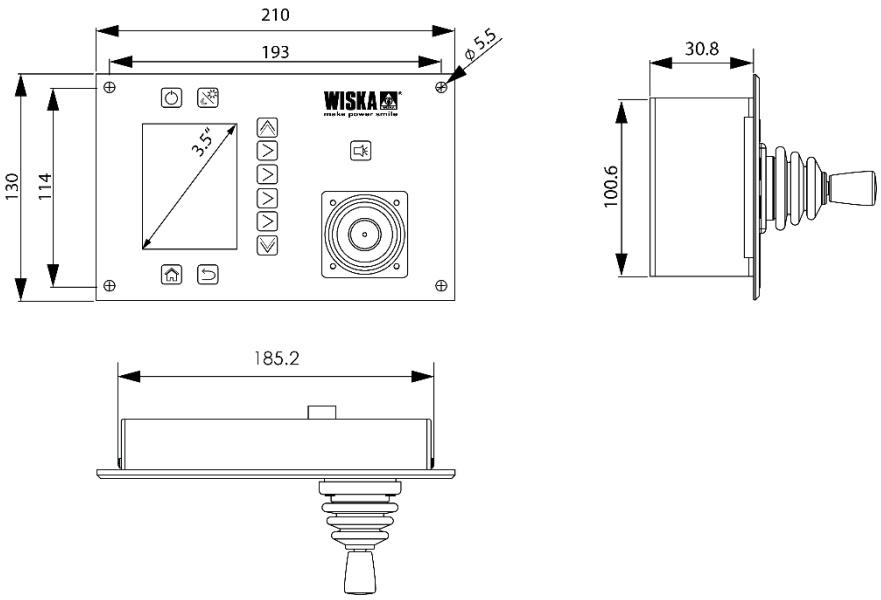


Figure 2 RCU: dimensions for mounting

Required materials (not included)

4 countersunk screws M5

Required cutout

187 x 102 mm

Mounting

1. If there are no mounting points: Mark four holes
2. If there are no mounting points: Pre-drill.
3. Place the remote control unit over the holes.
4. Tighten the screws (4x M5).

✓ The remote control unit is now mounted.

6 Commissioning

WARNING

Risk of glare

Searchlights have an extremely high light intensity

- Switch off the searchlights before carrying out any work.
- Ensure that no one is standing in front of the searchlight when switching it on and during operation.
- For testing purposes, point the searchlight at water or open terrain.

The configuration of the searchlight system and the possible settings of the adjustable parameters have been carried out by the manufacturer.

It is not necessary to upload the data.

Before comissioning the remote control unit the searchlights must be installed and connected. Observe each searchlight's operating instructions.

6.1 Before commissioning

1. Check that the installation and connection have been carried out correctly.
2. Check that the grounding and neutral current are functioning correctly.
3. Reinsert or switch on the fuses.

6.2 General commissioning

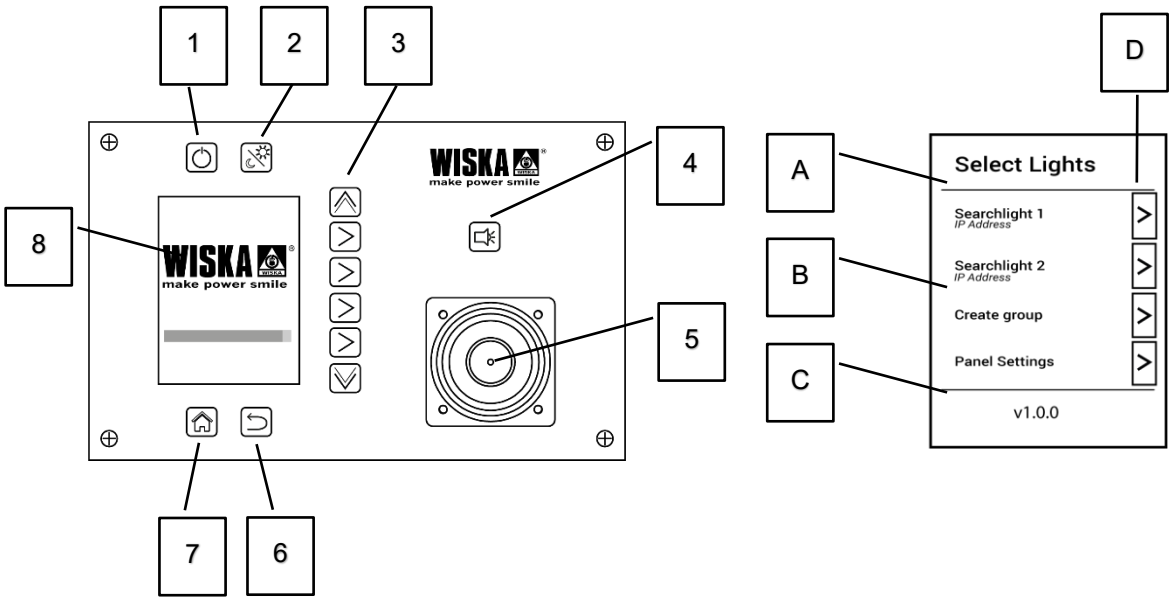


Figure3 Initialization, right side: Example of a home screen on the display [8]

Notes

You can access the home screen from any settings screen by pressing the Home screen button [7].

You can return to the previous selection menu by pressing the Back button [6].

Commissioning

Note (if applicable): Make sure the onsite power supply unit itself is switched on (see separate manual of the searchlight). Check that an (optional) on-off switch in the line onsite is switched on.

1. Connect the power supply.

   The initialization process is shown on the display [8].
2. Wait until the home screen appears.
3. Select the desired searchlight using the parameter setting buttons [3].
4. Switch on the light of the searchlight using button [4].
5. Move the joystick [5] in all directions to rotate and tilt the searchlights.
6. If available: Test the light intensity and focus of the searchlight (display searchlight).
7. If available: Test with additional searchlights.
8. If available: Test the Morse function (using button [3] or joystick button [5]).
9. Switch from day to night display RCU background lighting, using button [2].
10. Switch off the light of the searchlight using button [4].
11. Switch RCU to standby using button [1].

✓ Commissioning is complete.

7 Operation

The remote control is delivered with a customer-specific programmed configuration. The following overview is an example. Operation is carried out using the buttons on the surface of the RCU or the joystick with button.

WARNING

Risk of glare

- Never point the searchlight at people in the near vicinity of the searchlight.
- Switch off the searchlight before any inspection, maintenance, or repair work.
- For testing purposes, point the searchlight at water or open terrain.

CAUTION

Risk of crushing, risk of cutting

Limbs can become trapped between the remote-controlled searchlight and the base, resulting in serious injury.

- Ensure that no persons are in the immediate vicinity of the searchlight before turning or swiveling it.

Risk of impact

- Ensure that no one can stand in the searchlight's range of motion.

7.1 Controls

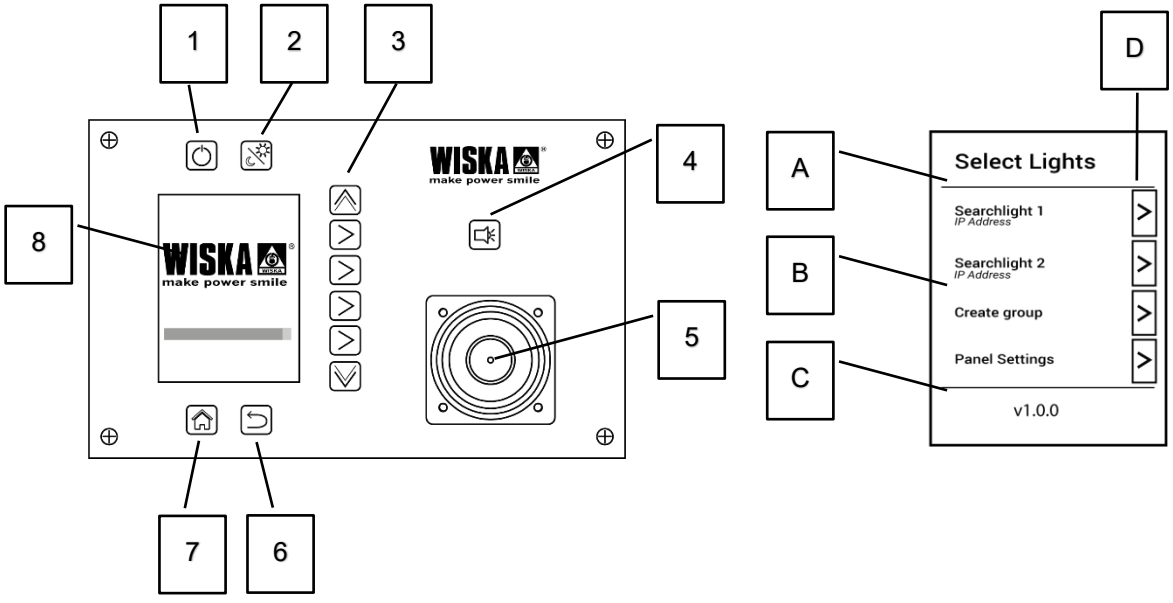


Figure 4 right side: Example of a home screen on the display [8]

Notes:

You can access the home screen from any settings screen by pressing the Home screen button [7].

You can return to the previous selection menu by pressing the Back button [6].

7.1.1 Quick overview of essential basic functions

1. Press button [1] to switch on the RCU display.

   The display is lighted [8].
2. Wait until the home screen [8] appears.
3. Select the desired searchlight using the parameter setting buttons [3].
   a. Move the searchlight either with
      i. the joystick [5] in the desired direction to rotate and tilt the searchlight.

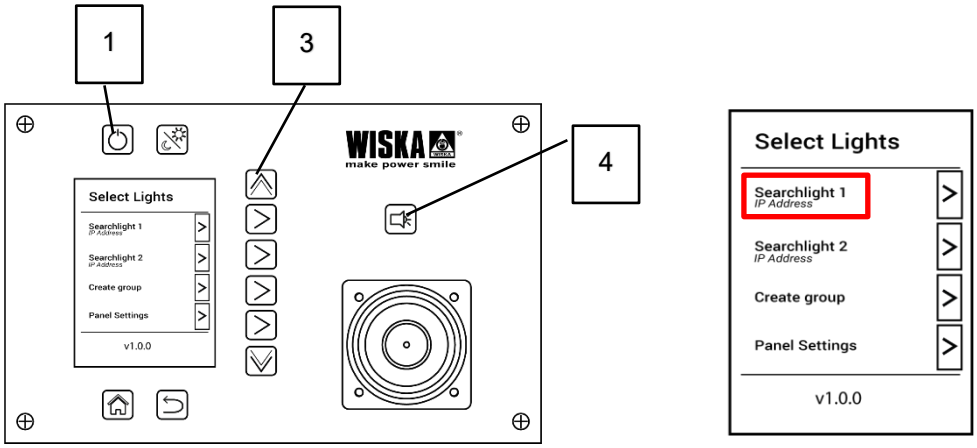
         Note: The speed of movement is proportional to the deflection of the joystick.

         or

      ii. If available, call up preset sequences (on screen "Scans") using the parameter setting buttons [3] right to the display [8].
   b. Optional: Change the light intensity and focus of the searchlight using the parameter setting buttons [3] right to the display [8].
      The set value is shown in the status display operating parameters [C].
   c. Optional: Morse code can be activated after selecting a searchlight.
      i. Press parameter setting button [3] next to "Morse" on the display [8]
      or
      ii. If programmed, use the button on the joystick.
4. Switch on the light of the searchlight using button [4].
5. Adjust the RCU's day/night display background lighting with button [2].
6. Switch off the light of the searchlight using button [4].
7. Switch off the RCU using button [1].

7.2 Call up basic functions

7.2.1 Switch searchlights on/off



1. Switch on the RCU using switch button [1].
2. Select the desired searchlight by pressing the parameter setting button [3].
3. Press the searchlight-on button [4].

✓ The light of the searchlight is switched on.

4. Press the searchlight-on button [4] again.

✓ The light of the searchlight is switched off.

5. Switch off the remote control unit by pressing button [1] if necessary.

   Note: The selected searchlight remains selected for the next operation.

7.2.2 Selecting a searchlight

1. Switch on the remote control unit by pressing the RCU switch button [1].
2. Select the desired searchlight by pressing the parameter setting button [3].

✓ The searchlight is selected.

7.2.3 Selecting multiple searchlights (optional)

1. Switch on the remote control unit by pressing the RCU power button [1].
2. If a searchlight group has been created previously, it will appear on the home screen. This must be selected. All searchlights in the group are moved synchronously, beginning at the actual position.

✓ The searchlights are selected.

7.2.4 Move searchlights

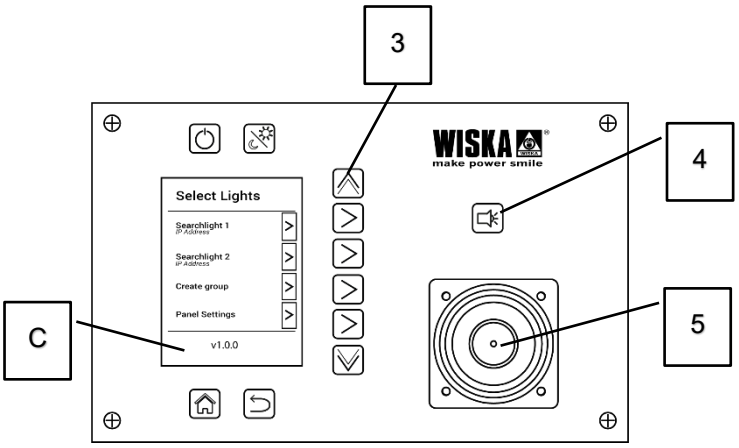
There are three different operating modes. In the first operating mode, the selected searchlight is moved as required using the joystick, e.g. to detect floating objects.

The second operating mode is automatic movement to previously stored individual positions. Programming is described in the "Positions" section. This function allows quick access to frequently used searchlight positions.

The third operating mode is a pre-programmed sequence of movements using the scan function. Programming is described in the "Scans" section. This function can be used, for example, to systematically illuminate the water surface in search of missing persons.

7.2.4.1 Move with the joystick:

Prerequisite: The RCU is switched on.



1. Select the desired searchlight using the selection buttons [3] .
2. Switch on the light of the searchlight using the button [4] .
3. Move the searchlight in the desired direction using the joystick [5] to rotate and tilt the searchlight.
4. The position is shown in the status bar [C].

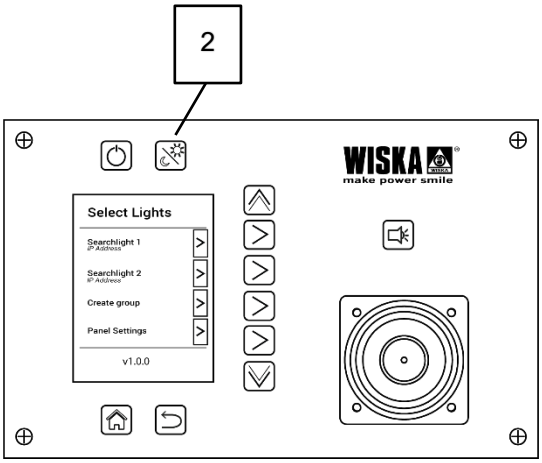
Note:

The speed of movement is proportional to the deflection of the joystick.

7.2.5 Switch between day and night brightness of the RCU

Prerequisite: the RCU is switched on.

The background brightness of the RCU is set for day or night operation.



7.2.5.1 Quick switch (day/night background brightness)

1. Use button [2] to switch between day and night mode.

7.2.6 Turn off screen saver

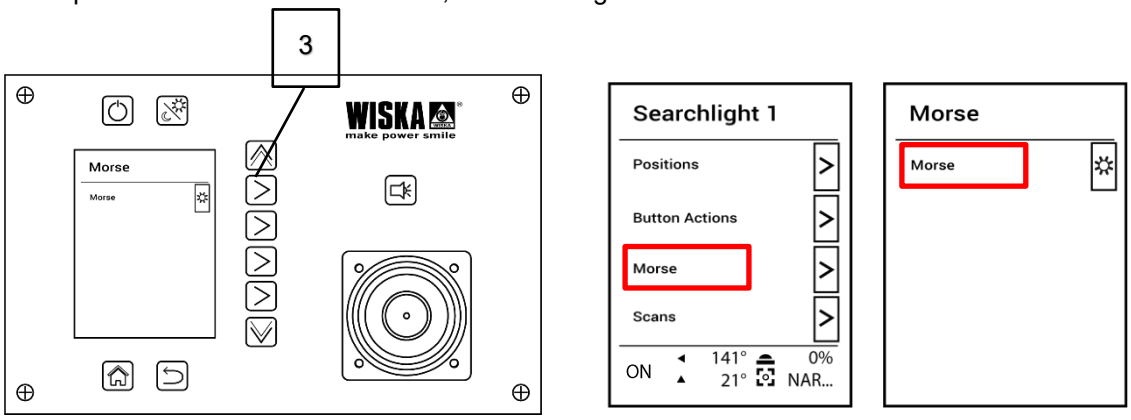
Press any key or move the joystick to turn off the screen saver.

7.2.7 Morse function (optional)

The Morse function can be accessed on the display. Another option is to assign the Morse function to the button on the joystick [5] and press that button.

7.2.7.1 Starting the Morse function on the display

Prerequisite: The RCU is switched on, the searchlight is selected and switched on.

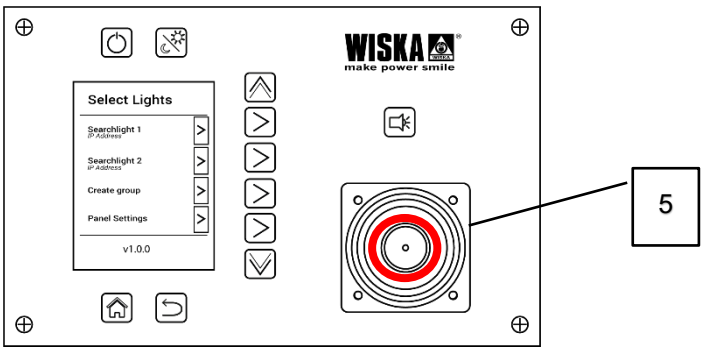


1. Go to the menu [>] for the desired searchlight (here searchlight 1).
2. Use the Parameter Setting [3] button [⩔] to scroll to the second page on the display [8].
3. Use the button [>] to select the Morse function.
4. To send the message as Morse code, press the button. [>]
5. The searchlight will remain lit as long as the button is pressed.

7.2.7.2 Morse function with the button on the joystick

Prerequisites: The button has been programmed for this function beforehand (*see section 7.3.1 Defining the function of the joystick button*).

The RCU is switched on, the searchlight is selected and switched on.



The searchlight shines as long as button [5] is held down.

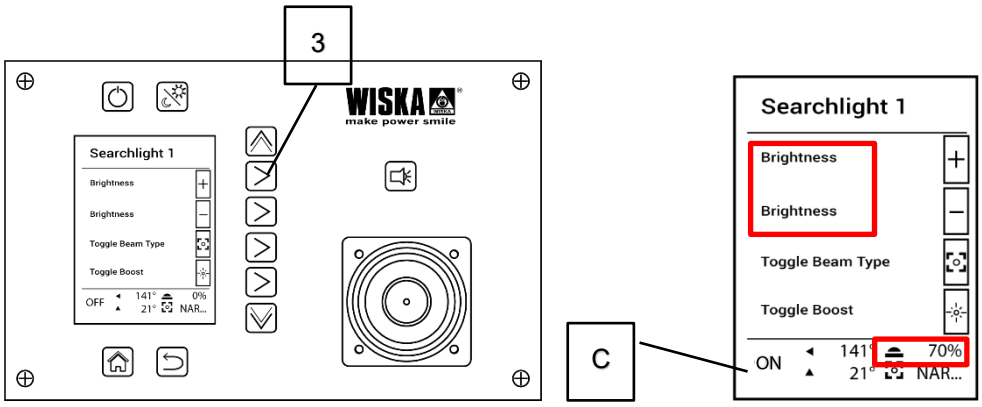
Repeat until the message is sent.

7.2.8 Changing the light intensity of the searchlight (optional)

The light intensity can be changed in steps.

7.2.8.1 Adjusting the light intensity in steps

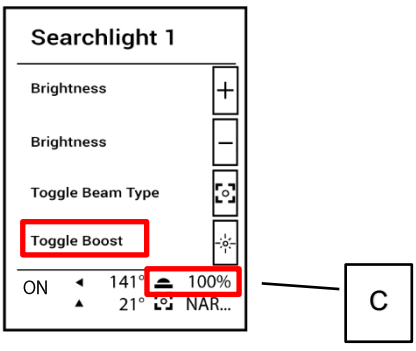
Prerequisite: The RCU is switched on, the searchlight is selected and switched on.



6. Go to the menu for the desired searchlight (here searchlight 1).
7. Use the button > next to Brightness + to increase the light intensity.
8. Use the button > next to Brightness - to decrease the light intensity.
9. The selected light intensity is displayed in the status bar [C].

7.2.8.2 Light intensity boost (maximum setting)

Prerequisite: The RCU is switched on, the searchlight has this (optional) function and is selected and switched on.



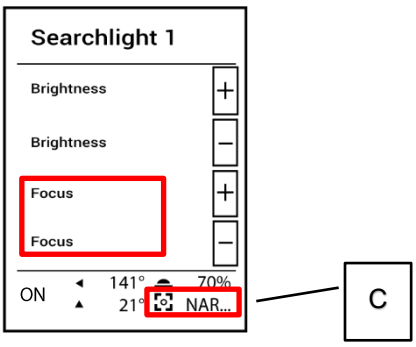
Go to the menu for the desired searchlight (here searchlight 1).

1. The button > next to Toggle Boost increases the light intensity to the maximum.
   Note: The function is only active as long as the button is held down.
2. The light intensity is displayed as 100% in the status bar [C].

7.2.9 Changing the beam angle for xenon and halogen searchlights (optional)

The xenon/halogen searchlight is optionally equipped with continuous focus.

Prerequisite: The RCU is switched on, the searchlight is selected and switched on.

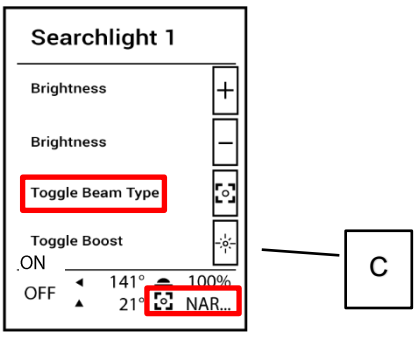


1. Go to the menu for the desired searchlight (here searchlight 1).
2. Use the button > next to Focus + to focus the light beam.
3. Use the button > next to Focus - to widen the light beam.
4. The selected beam angle is displayed in the status bar [C] in % values.

7.2.10 Changing the beam angle for LED searchlights (optional)

The LED searchlight is equipped with a two-stage focus.

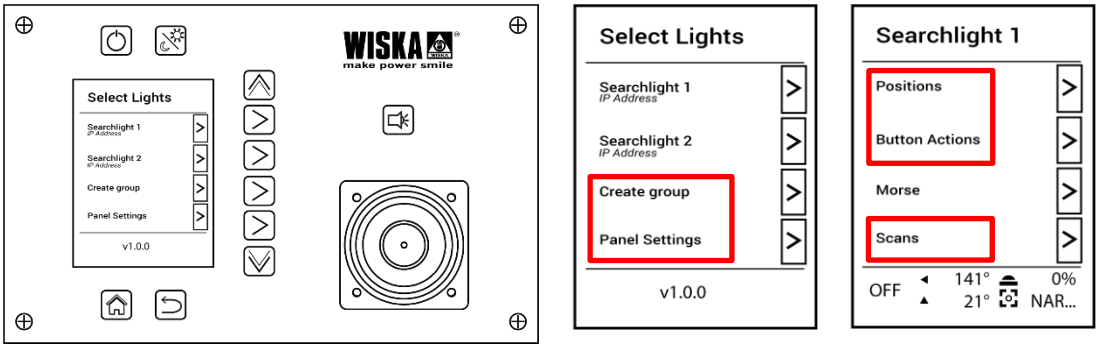
Prerequisite: The RCU is switched on, the searchlight is selected and switched on.



5. Go to the menu for the desired searchlight (here searchlight 1).
6. Use the button > next to Toggle Beam to switch the beam angle between narrow and wide.
7. The selected beam angle is displayed in the status bar [C] with the designation "Narrow" or "Wide".

7.3 Setting functions

Some functions can be adjusted during operation. They are located on the home screen for multiple searchlights or on the level of the individual searchlights.



Notes:

You can access the home screen from any settings screen by pressing the Home Screen button [7]

You can return to the previous selection menu by pressing the Back button [6].

7.3.1 Defining the function of the joystick button

Note: The assignment must be selected or changed individually for each searchlight.

Prerequisite: The RCU is switched on and the searchlight is selected.

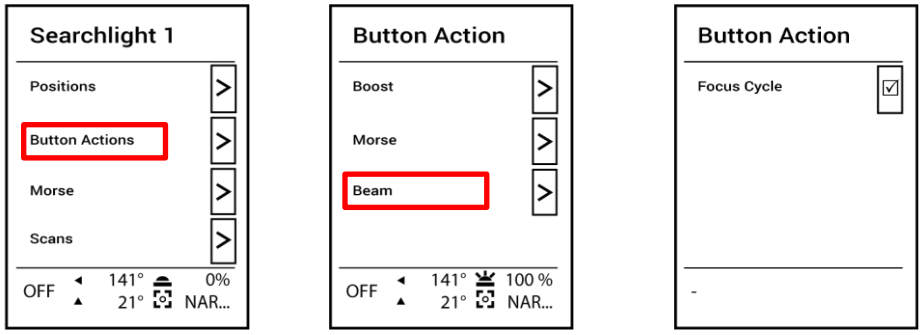


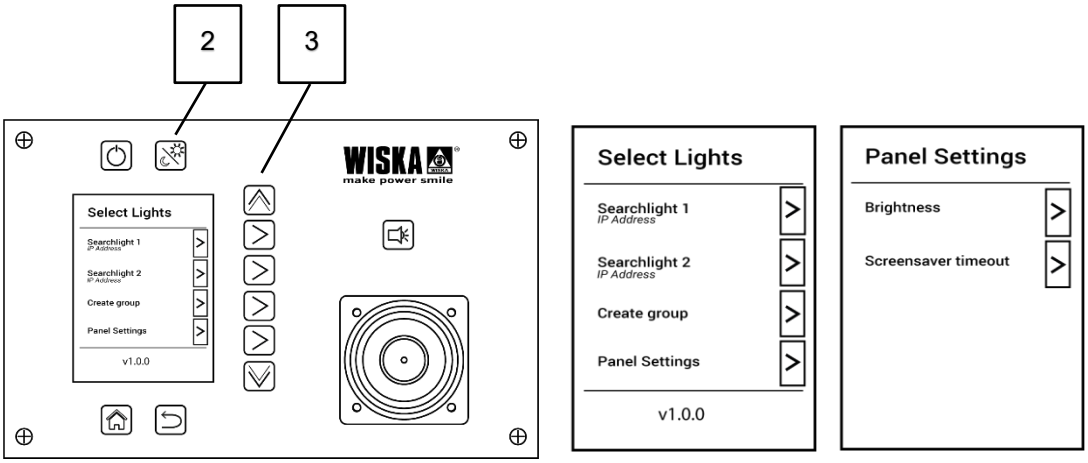
Figure 5 Left side: for all. Center: only for LED searchlights. Right: only for xenon searchlights

1. Selecting the Button Actions function.
    - LED searchlights
        - Boost function: the light intensity is increased to 100% as long as the button is held down.
        - Morse function: the searchlight shines as long as the button is pressed.
        - Beam function: the beam angle of the searchlight is focused.
    - Xenon searchlight / halogen searchlight
        - Focus cycle function: the focus continuously moves back and forth between minimum and maximum.
2. Select the desired function with the button [>] parameter setting [3].

7.3.2 Panel Settings

Prerequisite: The RCU is switched on.

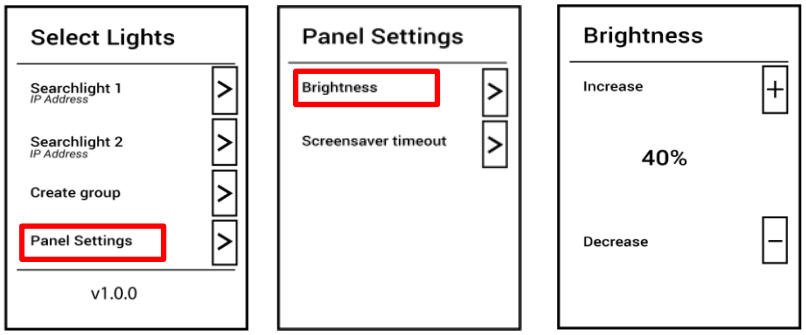
Brightness and screen saver timeout can be set



7.3.2.1 Day/night mode adjust brightness

Day mode and night mode can be set individually.

Press the + or – buttons to adjust the brightness between 0 and 100%.



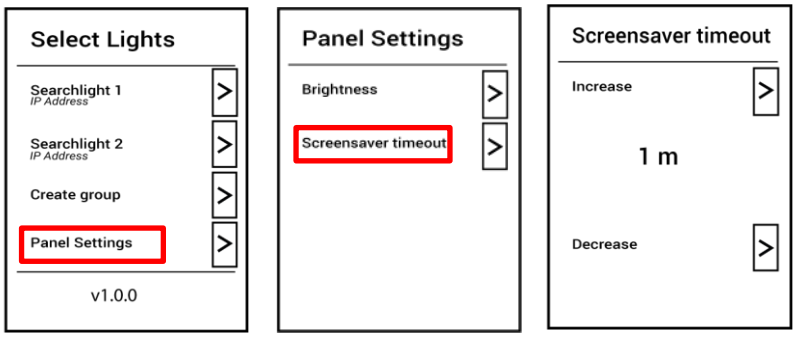
1. Use the button 3 [>] next to Panel Settings to switch to the Panel Settings menu.
2. Use the button 3 [>] next to Brightness to access the brightness settings menu.
   Note: The values for day mode and night mode can be set separately.
3. The brightness can be changed in increments of 10%. Values between 10% and 100% are possible.

Notes:

You can return to the home screen from any settings screen by pressing the home screen button [7]. [⌂]

Press the Back button [6] [⮌] to return to the previous selection menu.

7.3.2.2 Screen saver



Use the button [>] to increase the display lighting time.

The minimum value is 1 minute, the maximum is 20 minutes.
The screen saver is turned off with "OFF."

1. The time is increased in increments of 1 minute.
2. Use the button [>] next to Decrease to reduce the display illumination time.

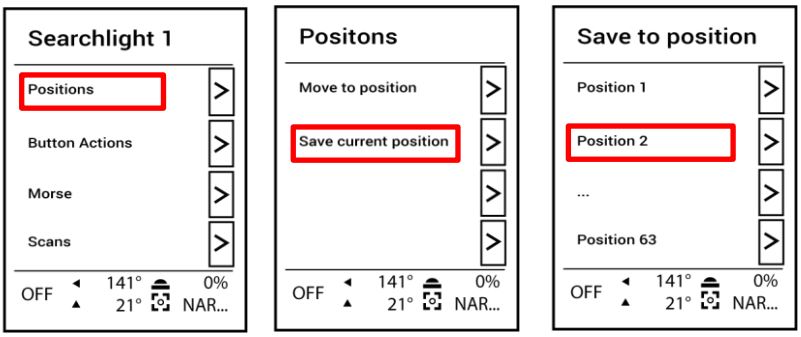
The time is reduced in increments of 1 minute.

7.3.3 Positions

Positions are set so that they can be quickly recalled during operation.

7.3.3.1 Save/ change position

Prerequisite: The RCU is switched on and the searchlight is selected.



Select positions using the parameter setting button [3]. [>]

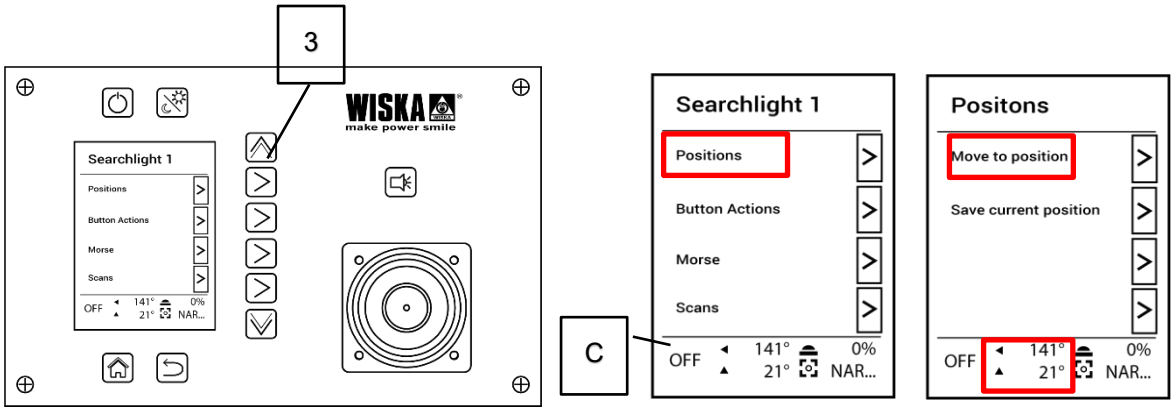
3. Select the current alignment of the searchlight under "Save current position" using the parameter setting button [3].
4. Assign the memory location under "Position _" using the parameter setting button [3], scrolling to a free position with [v] if necessary.

Notes: If the memory space is occupied, the stored position will be overwritten.

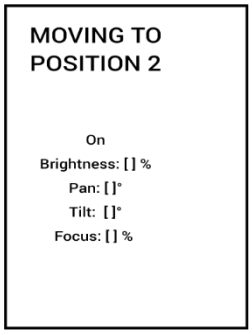
Each Position can be named using alphanumeric characters

7.3.3.2 Recalling a stored position

Prerequisite: The RCU is switched on, the searchlight is selected and switched on.



1. Select the desired searchlight (here searchlight 1).
2. Use the Parameter setting [3] button to scroll to the second page on the display [8].
3. Use the Position button to select.
4. Use the Move to position button to switch to the selection screen for the individual available positions.
5. Select the desired position with .
6. The searchlight moves to this position.
7. The system message confirms the process.



8. The new position is displayed in the status bar [C].

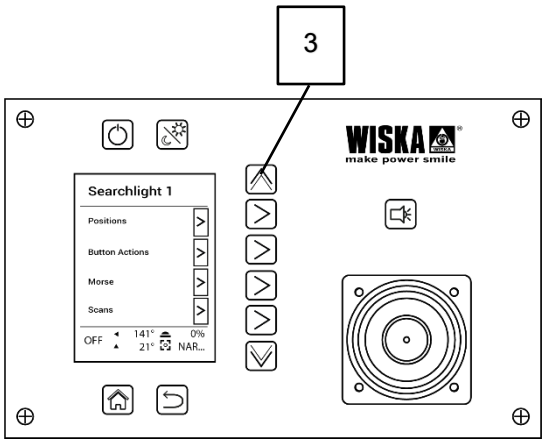
Notes:

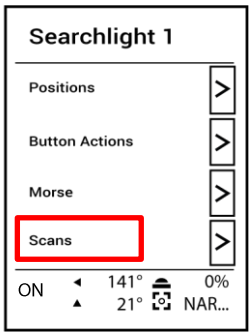
You can return to the home screen from any settings screen by pressing the home screen button [7].

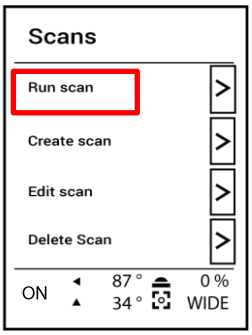
You can return to the previous selection menu by pressing the Back button [6].

7.3.4 Scans

Previously saved positions are automatically selected for scans.







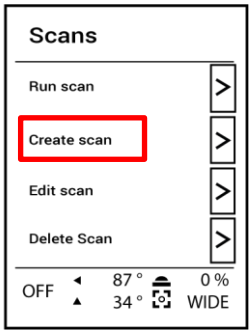
These settings are located on page 2 of the searchlight parameters.

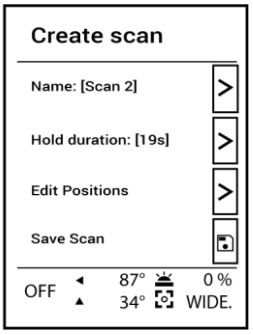
7.3.4.1 Save scan with Create Scan

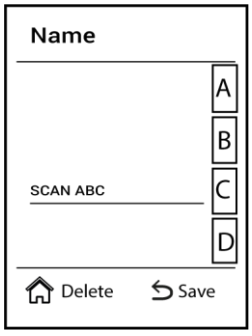
Fixed sequences can be defined with "Create scan".

Prerequisite: The RCU is switched on and the searchlight is selected. The positions to be used for the scan must be saved using the Position function.

You can configure 63 scans. These are saved on the searchlight(s).







1. Create a scan under "Create Scan" using the button [>] Parameter setting [3].
2. Assign a name "Name" (alphanumeric)
3. Set the hold duration in each position "Hold duration" with a selection range from 1s to 60s
4. Define positions under "Edit Positions".
5. Save settings with the button [>] Parameter setting [3] under "Save Scan".

7.3.4.2 Change scan with Edit Scan

"Edit Scan" can be used to change scans that have already been created.

The setting options are the same as for "Create scan".

7.3.4.3 Delete scan with Delete Scan

Presets that have been created and are no longer needed can be deleted with "Delete scan".

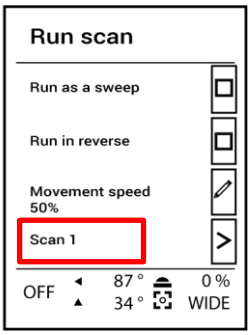
7.3.4.4 Retrieve scans with Run Scan

1 Go to the menu for the desired searchlight (here searchlight 1).

2 Use the Parameter setting [3] button to scroll to the second page on the display [8].

3 Select Scans using the button.

4 Use the Run scan button to switch to the selection screen for the individual available scans.



5 Select the desired scan with " ," in this case "Scan 1."

6 The searchlight moves to the various preprogrammed positions (e.g., 1-2-3-1-2-3).

7 The automatic sequence is ended by pressing the Stop Scan button.

Alternatively, parameters can be changed:

A. Positions moving back and forth: "Run as a sweep" (e.g., 1-2-3-2-1).

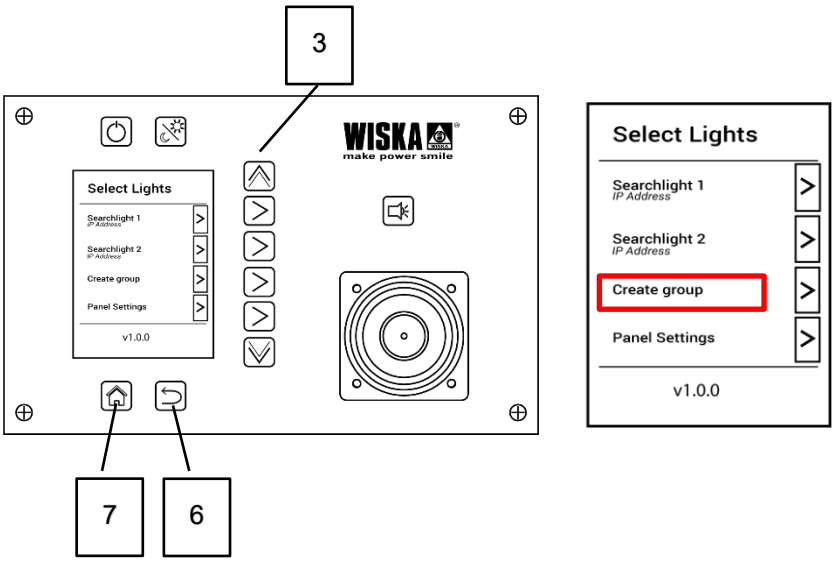
B. Move positions in reverse order: "Run in reverse" (e.g., 3-2-1).

C. The speed at which the individual positions can be approached can be adjusted in increments of 10% using "Movement speed".

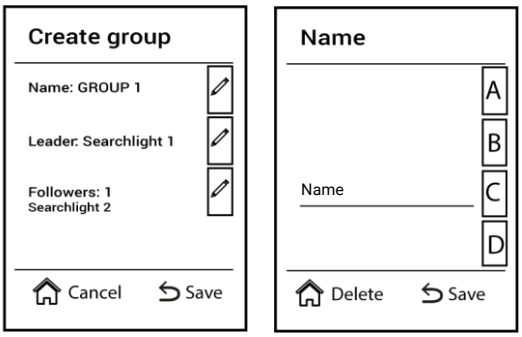
7.3.5 Groups

Prerequisite: The RCU is switched on and there are several searchlights.

Up to 32 searchlights of the same type can be combined in a group and controlled together. All movements are synchronized and start from the actual position. The function is located on the home screen.



7.3.5.1 Setting up a group

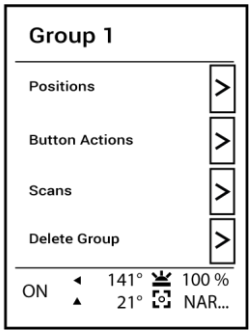


1. Create a group under "Create group" using the [3] button. >
2. Assign a name for the group "Name" (alphanumeric).
3. To delete the last character entered, select Delete.
4. Define the leading searchlight as "Leader."
5. Define subordinate searchlights as "Followers." These run synchronously with the "Leader."
6. Save the settings with the back button "Save" [6] ⮌ below the screen.

.

7.3.5.2 Make settings for a group

Prerequisite: The RCU is switched on and the group has been created.



Settings are made for a group in the same way as for a single searchlight.

1. To set the light intensity of all searchlights, see section 7.3.8
2. To set the position of the searchlights, see section 7.4.2.1.
3. To set the button action, see section 7.4.1 and
4. set up scans, see section 7.4.3.1.

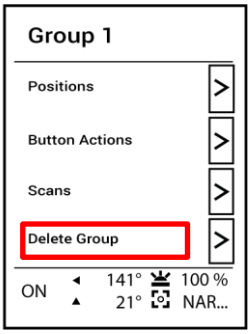
7.3.5.3 Selecting a group

Prerequisite: The RCU is switched on and the group is set up.

1. Select the desired group.
2. Switch on the searchlight.
3. Then start the desired process.

7.3.5.4 Deleting a group

Prerequisite: The RCU is switched on and the group is set up.

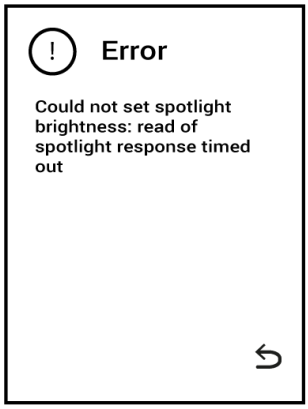


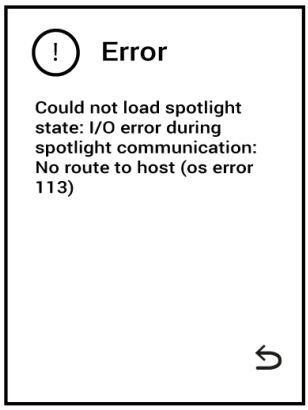
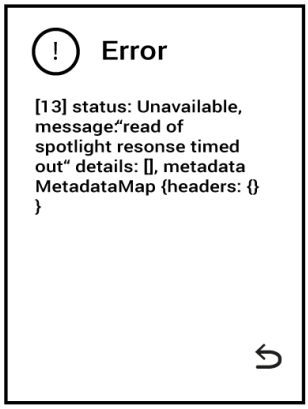
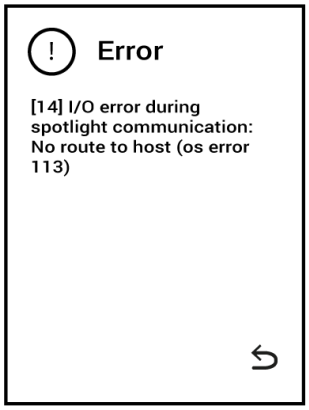
1. The group can be removed by selecting "Delete Group".
   A prompt prevents accidental deletion of a group.

8 Troubleshooting

If error messages appear on the display, the reasons and possible solutions are listed here.

Table1 Error messages

Description	Illustration	Remedy
Progress bar remains frozen after switching on the remote control.		Establish a network connection.
Software crashed		Restart by pressing and holding the display on/off switch [1].
Timeout when setting a value.		Check whether the network connection is slow or interrupted.

Communication error during loading.		Check whether the connection to the searchlight is interrupted.
Timeout when reading a value.		Check whether the network connection is slow or interrupted.
Communication error No connection to the host.		Check whether the network connection between the searchlight and the switch or to the switch is interrupted.

Note: The remote control unit is a component of a searchlight system. Also observe the operating instructions of the affected searchlight.

9 Maintenance

WARNING

Risk of glare

- Do not look into the light source. This may damage your eyesight.
- Never point the searchlight at people.
- Switch off the device before every inspection, maintenance, or repair.
- For testing purposes, point the searchlight at water or open terrain.

9.1 Maintenance

Maintenance is recommended to maintain functionality over the service life.

NOTE

A functional test must be carried out after each maintenance: Check all directions of movement using the joystick. Call up and execute presets on the display.

Before starting maintenance work

1. Switch off the searchlight.

Maintenance

3. Visually inspect the remote control unit for damage and heavy soiling.
4. Check for noises (crackling, humming).
5. Test function by pressing the on/off switch on the RCU.
6. Test function of tilt and pan by operating the joystick.
7. Check the display (day/night switch and the RCU‘s background lighting).
8. Visual inspection to see if any modifications have been made.

   ✓ Maintenance is complete.

9.2 Cleaning

Clean the housing surfaces with a clean cloth moistened with water. Do not use harsh cleaning agents.

9.3 Repair

Contact WISKA Service for repairs.

If modifications need to be made to the software or if an error has occurred, contact WISKA Service.

10 Spare parts

No.	Designation	Item no.
1	SP-S-RCU-E-S Joystick	22001473

11 Disposal and decommissioning




DANGER

Danger to life due to electric current

Working on open circuits can result in short circuits and ground faults

- Only authorized personnel may open the housing.
- Secure the power supply against being switched back on.
- Cover open third-party system components.
- If necessary, short-circuit the system components.
- Test whether the system is de-energized.
- Disconnect the device from the power supply before opening it.

11.1 Disposal

Electrical components contain substances that are harmful to the environment. Defective parts must either be disposed of properly or returned to WISKA. The address is on the back of this manual.

11.2 Decommissioning

To decommission or take the product out of service:

1. Follow the safety and warning instructions on the product and in the accompanying documentation.
2. Switch off the product.
3. Disconnect the product from the power supply.
4. Dismantle product/system components that are to be decommissioned.
5. Send dismantled system components for further use or disposal.

✓ The system or system component has been decommissioned.

11.3 Storage

Dismantle components for storage of the product. Store the components in a closed location.

Pack the dismantled components and protect them against moisture and external damage. Water- and dust-protected storage.

Check stored components at regular intervals to ensure they are complete and in proper condition.

12 Technical Data

12.1 Specifications

Type	RCU-x-S
Supply voltage	24 V DC
Connection	RJ45 Ethernet Power 24V DC Pluggable Terminal Blocks 3 Pos 3.81mm pitch Plug 24-16AWG Spring
Housing color	Black (RAL 9005, main color)
Dimensions (WxHxD)	210 x 130 x 30.8 mm (Joystick: Height from front panel 70.4 mm)
Weight	0.5 kg
Protection	IP56
Display	LCD
Material	Aluminum, plastic

12.2 Dimensions

[Unit: mm]

*Screen diagonal 8.9 cm)

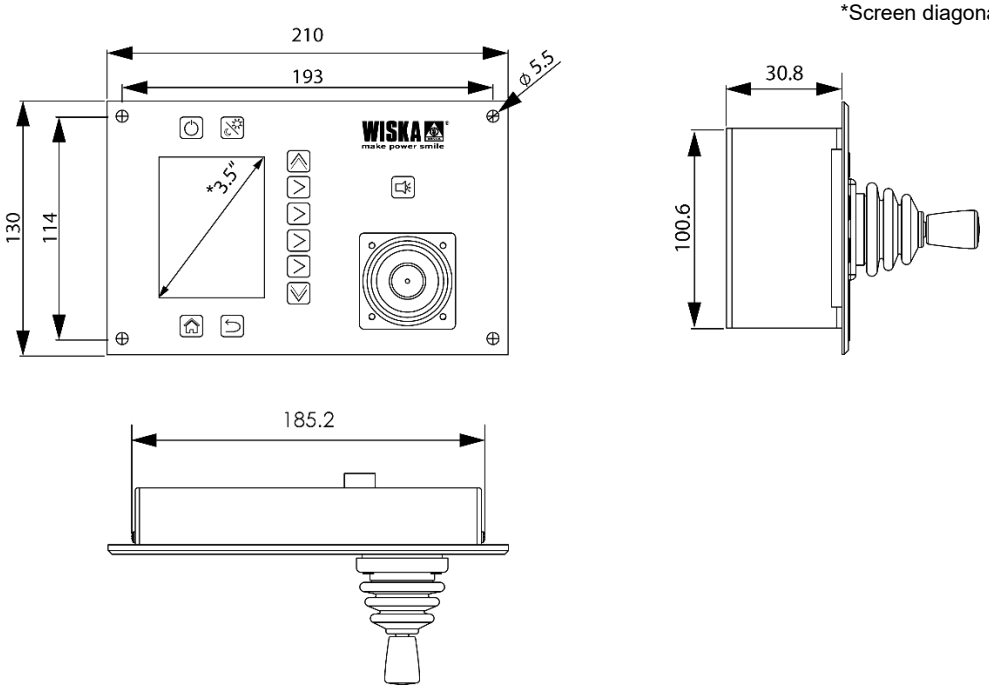


Figure 6 Dimensions of RCU remote control unit

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