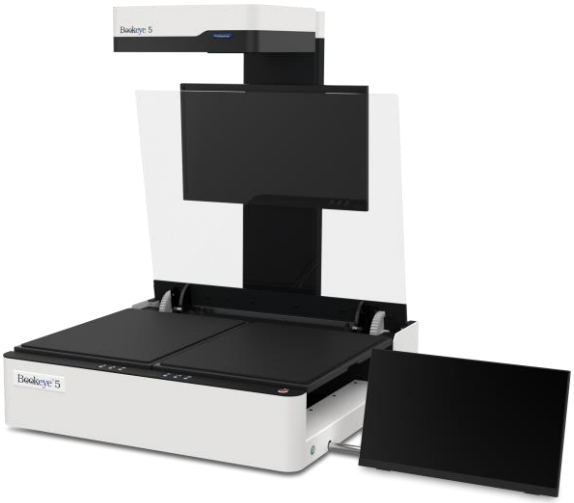
Bookeye ® 5 V1A



Setup instructions
English

09/2022

Table of Contents

Revision overview

Date	Rev.	Name	Description of change	Reason for change
13.06.2022	1.0	JKN	First draft	First published version
12.07.2022	1.1	JKN	Second draft	Updated version
07.09.2022	1.2	JKN	Third draft	Updated version

Notes on the instructions and the manufacturer

This manual will help you to safely prepare and perform the setup for the Bookeye® 5 V1A book scanner. The Bookeye® 5 V1A book scanner will be called "scanner" in the following.

The start button is called "power button" in this manual.

Keep instructions available

This manual is part of the scanner.

- Always keep this manual with the scanner.
- Make sure the manual is available to the user.
- Include this manual when selling or otherwise transferring the scanner.

Design features in the text

Various elements of this guide have specified design features. This allows you to easily distinguish the following elements:

normal text

BUTTONS OF THE SCREEN

"menu labels"

➢ Action steps

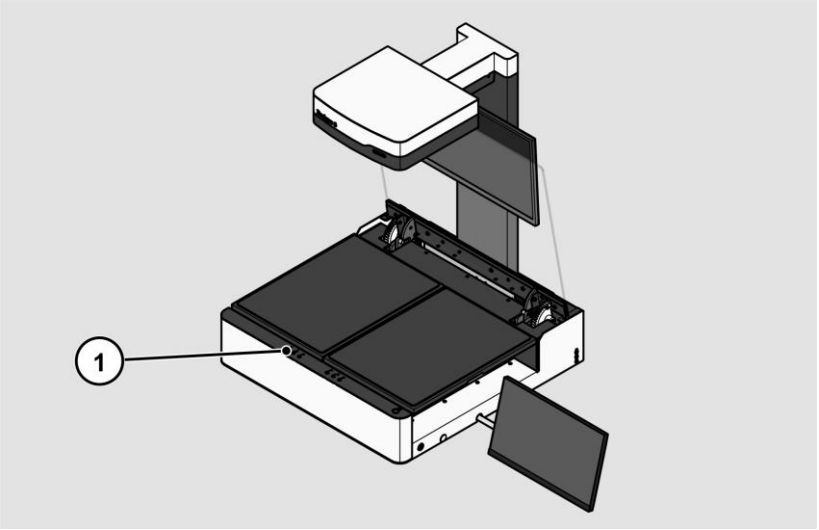
- first level enumeration

Cross-references

Tips contain additional information, such as special details on preparing and executing the setup.

Design features in illustrations

When elements are referred to in a legend or in the running text, they are given a number (1).



Associated documents

The accompanying documents include:

- Unpacking and packing instructions,
- Setup instructions,
- Legal information (EC declaration of conformity, safety and EMC certificates, RoHS etc.).

Copyright

Trademark

Scan2Net®, Scan2Pad®, Bookeye® and WideTEK® are registered trademarks of Image Access, all other trademarks belong to their respective owners.

Contact details of the manufacturer in Germany

Image Access GmbH
Hatzfelderstraße 161-163
42281 Wuppertal
Tel.: +49-202-27058-0
E-Mail: dokumentation@imageaccess.de
Internet address: www.imageaccess.de

Technical support

You can reach Image Access GmbH technical support at the following e-mail address: support@imageaccess.de.

Contact details of the manufacturer in the USA

Image Access LP
400 N. Belvedere Drive
Gallatin, TN 37066 USA
Tel.: +1 (224) 293-2585
E-Mail: support@imageaccess.us
Internetadresse: www.imageaccess.us

Device safety

Intended use

The scanner is used to scan images and documents of all types. The documents must comply with the characteristics according to the technical specifications. The scanner is intended for use in closed rooms in the commercial sector.

Intended use also includes reading and understanding this manual as well as observing and following all information in this manual, especially the safety instructions. Any other use is expressly considered improper and will void all warranty and liability claims.

Environmental conditions

Make sure that the scanner is used only under the following environmental conditions:

- Ambient temperature during operation: 5 °C to 40 °C (41 °F - 104 °F)
- Storage temperature: 0 °C to 60 °C (32 °F to 140 °F)
- Relative humidity: 20 to 80 %, non-condensing

➢ Ensure that the scanner is not exposed to direct sunlight.

Basic safety instructions

Avoid injury or death from electric shock

- Never open the scanner case.
- Do not expose the scanner to dripping or splashing water, and do not place liquid-filled containers on the scanner. Liquid penetration can damage the scanner.
- Do not insert objects into the scanner through any slots or openings.
- Connect the scanner only to a properly installed and grounded AC outlet using the supplied AC adapter.
- Do not use the AC adapter if the AC adapter case or cord is damaged. In this case, replace the AC adapter with an AC adapter of the same type.
- Do not use the scanner if it is visibly damaged. In this case, unplug the power cord from the power outlet. Contact Image Access technical support, see section *Technical* Support from page 8.

Avoid burns

- Do not cover the existing openings in the scanner housing. They are used for ventilation. Otherwise, the scanner could overheat.
- Do not place the scanner in front of air conditioners that emit intense heat.

Avoid broken bones, bruises and contusions

Incorrect routing of the cables can cause tripping.

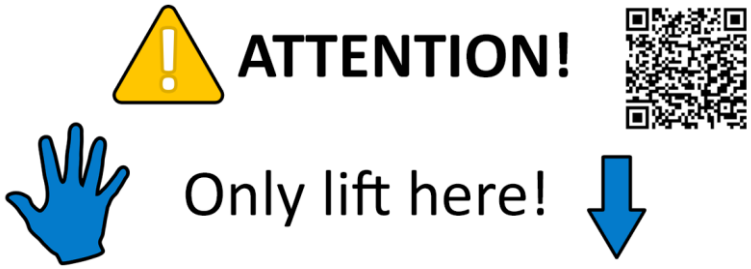
- Lay the connection cables so that no one can trip over them.

The scanner weighs 90 kg (200 lbs.).

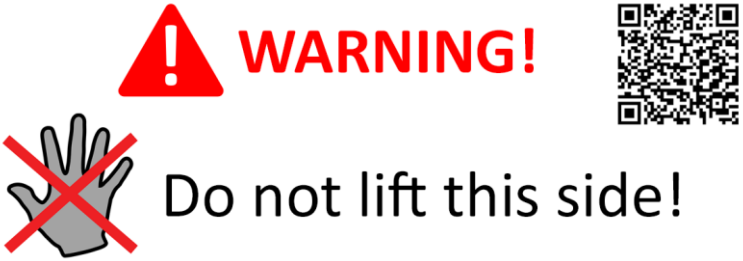
- Handle the scanner only with the help of a second person.
- Place the scanner only on a firm, level and vibration-free surface that has sufficient load-bearing capacity for the weight of the scanner.

Lifting or Moving the Scanner

- When lifting or moving the scanner, hold it only at the locations on the scanner housing that are marked with a label.



- Do not lift or move the scanner by touching any part of the scanner housing that is marked with a label.



Avoid material damage or malfunctions

- To comply with the environmental conditions, ensure good room ventilation.
- Do not place the scanner near equipment that emits strong electromagnetic radiation.
- Always place the scanner on a suitable, stable table or on the optionally available base.
- Do not lean on the scanner.

- Do not use cleaning agents that contain abrasive additives, solvents, or acids. Use a damp microfiber cloth.
- Use only your finger to operate the touch screen. Other objects may damage the touch screen.
- Never lift the scanner by the neck.

Responsibility of the operator

The scanner operator must ensure that only qualified personnel perform the scanner setup.

Personnel qualification

Personnel performing setup of the scanner must be knowledgeable in setting up, connecting, and operating computer accessories.

Design features of warnings

This manual contains the following warnings:

⚠ WARNING	
	Notes with the word WARNING warn of a dangerous situation that can possibly lead to death or serious injury.

⚠ CAUTION	
	Notes with the word CAUTION warn of a situation that may result in minor or moderate injury.

The following symbols are used in the warnings:

Symbol	Explanation
	Danger due to electric shock
	General danger symbol

Design features of notices of damage to property

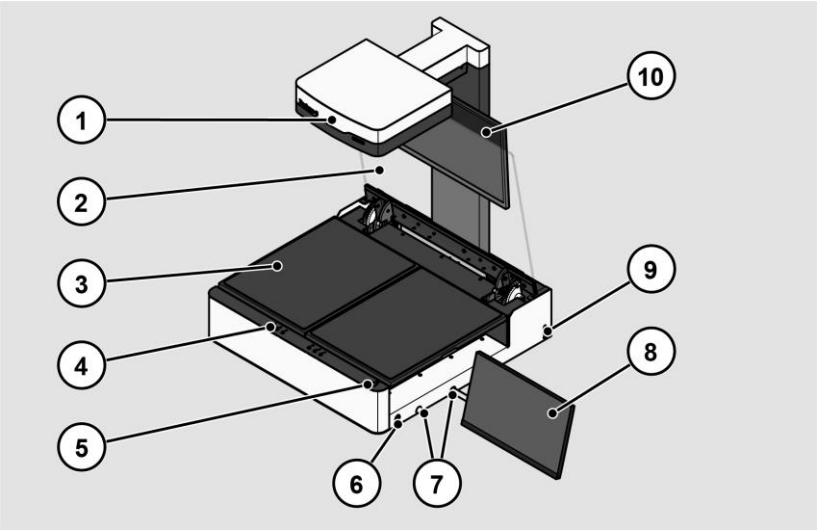
CAUTION!	
	Notes with the word CAUTION warn of a situation that will result in property damage.

Description

Task and function

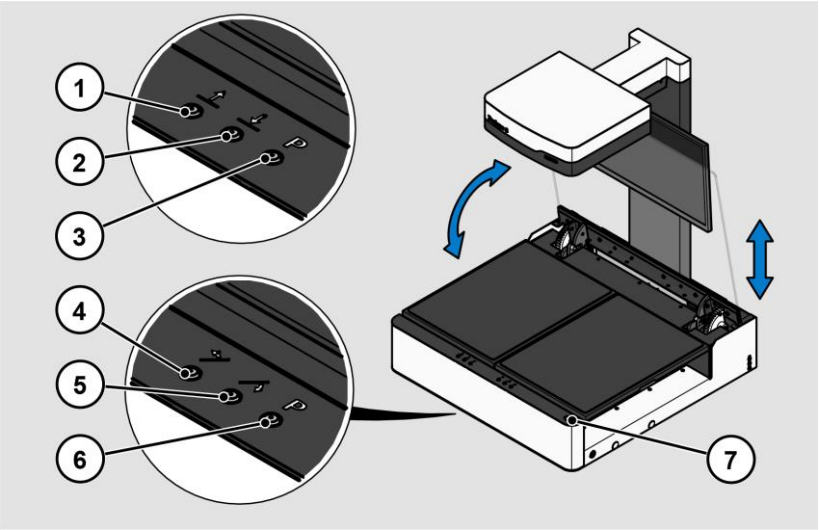
The scanner is used to scan images and documents of all types. The characteristics of the documents, such as size, thickness, etc., must comply with the specifications found in the technical data. The scanner is intended for use in closed rooms in the commercial sector.

Overview Bookeye® 5



No.	Designation
1	Camera head
2	Glass plate
3	Book cradle
4	Front panel
5	Stop button
6	Power button
7	Two mounting locations for the monitor arm
8	Touchscreen
9	Three foot switch connectors
10	Preview screen

Control panel



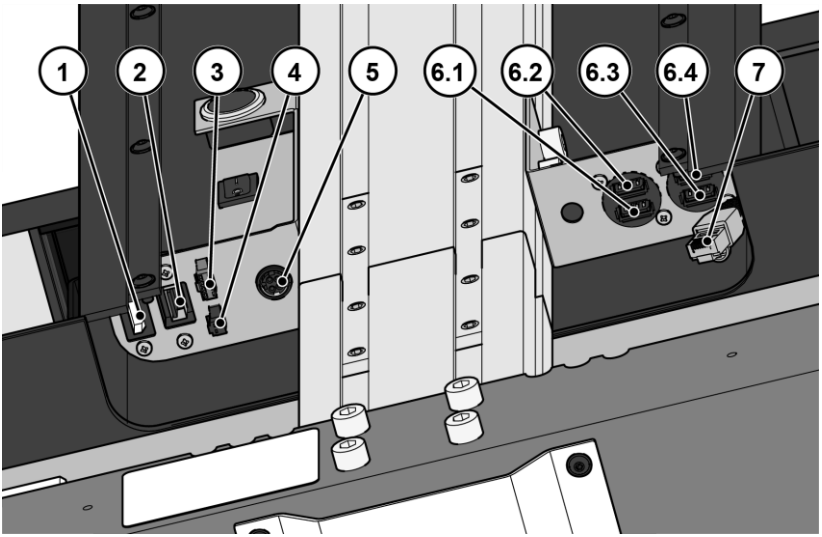
The control panel of the Bookeye® 5 V1A has seven keys with additional functions for glass plate control.

No.	Name	Function
1	↑	Lift motor up
2	↓	Lift motor down
3	P	Lift motor programming mode
4	↶	Turn motor upwards
5	↷	Turn motor down
6	P	Turn motor programming mode
7	Stop	Stop button

Overview back side

The following illustrations show the back of the scanner.

The following figure shows the back of the scanner without the housing cover.

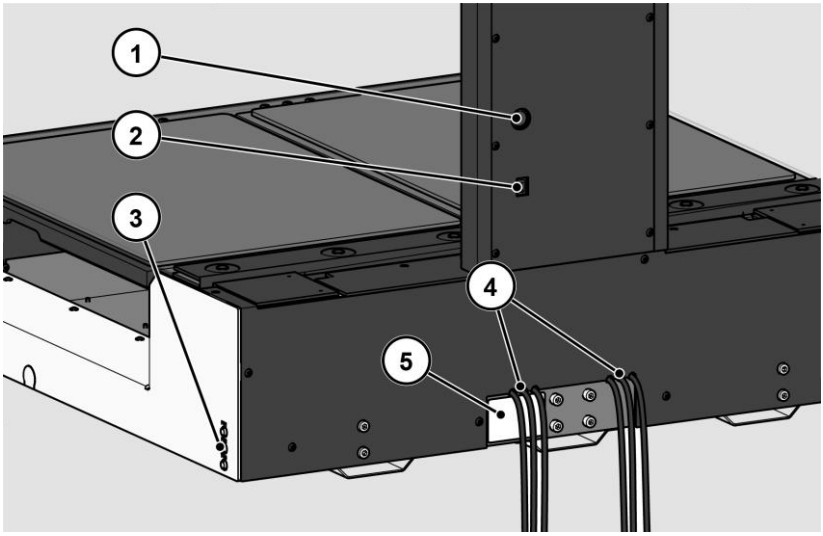


No.	Designation
1	DisplayPort connector socket
2	USB port for touch screen monitor
3	Power button connector
4	Connection socket for glass plate control
5	Connection socket 24 V DC for external power supply unit
6.1	USB port (C) (Fixed position)
6.2	USB port
6.3	USB port (B) (Fixed position)
6.4	USB port (F) (Fixed position)
7	Network connector

Please note:
The six buttons on the control panel flash permanently red after the scanner has started.

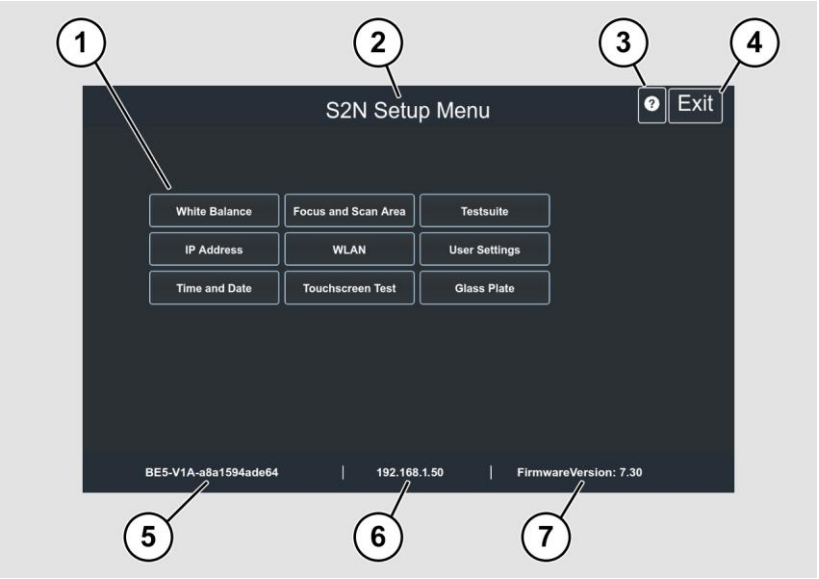
Cause:
The fixed connector positions of the two USB ports (6.3: B) and (6.4: F) were interchanged during the assembly of the scanner neck with the scanner housing.

The following figure shows the back of the scanner.



No.	Designation
1	Recovery button
2	Main switch
3	Three connection sockets for foot switch
4	Cable connections
5	Rating plate

Overview screen page for the setup menu



No.	Designation
1	Buttons and parameters
2	Display of the menu designation
3	Display of the online help
4	Button for exiting the setup menu to the start screen
5	Display of the serial number
6	Display of the IP address
7	Display of the firmware version

Rating plate

The rating plate is located on the back of the scanner.

The following figure shows the rating plate of the Bookeye® 5 V1A model.

Serial number

The serial number of the scanner is located on the back of the scanner head. Keep the serial number handy when calling for support.

User interfaces

The scanner can be operated in four ways.

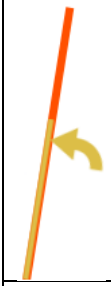
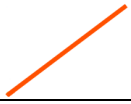
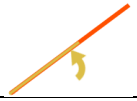
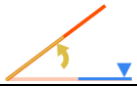
- Via the touch screen and the ScanWizard Touch user interface.
- Via EasyScan or a client application.
- Via a standard web browser and the ScanWizard Client interface.
- Via external scanning applications.

The following figure shows the ScanWizard Touch user interface.

No.	Designation
1	Button Glass plate control
2	"Glassplate Control"

The following figure shows the ScanWizard Touch "Glassplate Control" with its controls.

Symbol	Designation
	Moves the glass plate to the maximum height position.
	Moves the glass plate up as long as the key is held down or the maximum height position is reached.
	Moves the glass plate down as long as the key is held down or the maximum contact pressure is reached.
	Moves the glass plate down as long as the key is held down or the currently defined contact pressure is reached.
	Saves the current contact pressure.

Symbol	Designation
	Initial position - After restarting the scanner or initialization by pressing the NEW BOOK button, the glass plate moves to the maximum possible height position and opening angle. Only in this position the glass plate is current less and can be moved manually.
	Current contact pressure position.
	Stored contact pressure.
	Current opening angle.
	Stored opening angle.
	Stored contact pressure and opening angle for automatic mode.

Symbol	Designation
	Moves the glass plate to the stored height position and opening angle.
	Increases the opening angle of the glass plate as long as the key is held down or the maximum opening angle has been reached.
	Decreases the opening angle of the glass plate as long as the key is held down or the horizontal scan or contact pressure position is reached.
	Moves the glass plate directly to the scan or contact pressure position.
	Saves the current opening angle (> 15°).

Symbol	Designation
	Displays the current height position.
	Displays the travel speed of the lift motor.
	Displays the current contact pressure.
	Displays the travel time of the lift motor.
	Displays the current opening angle.

Symbol	Designation
	Activates the automatic mode.
	Opens the control panel for the automatic mode.
	New book. Returns the glass plate to the maximum height position and to the maximum opening position.
	STOP Immediately stops any glass plate movement.

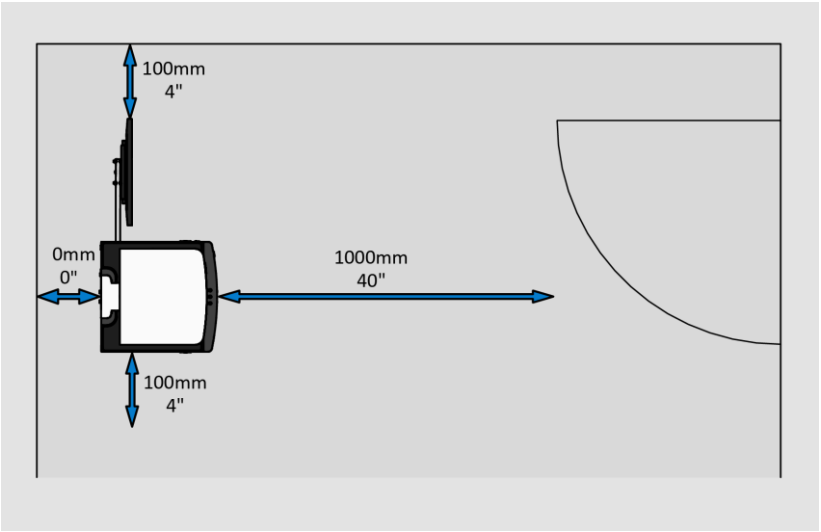
Installation site

Environmental conditions

When operating the scanner, make sure that the room is well ventilated to ensure the operating conditions.

The installation site must be chosen so that

- the side distance between scanner and wall is at least 100 mm (4 inch),
- the distance between the back of the scanner and the wall is at least 0 mm (0 inch),
- the distance to a door or room entrance is at least one meter.



Place the scanner on a level and stable base (at least four table legs). The load-bearing capacity of the base must be suitable for the weight of the scanner (at least 120 kg. / 265 lbs). The dimensions of the base must be suitable for the footprint of the scanner (at least 90 cm x 180 cm / 36 x 71 inch).

After changing from a cold to a warm environment, allow at least one hour for the scanner to adjust to the ambient temperature before turning it on.

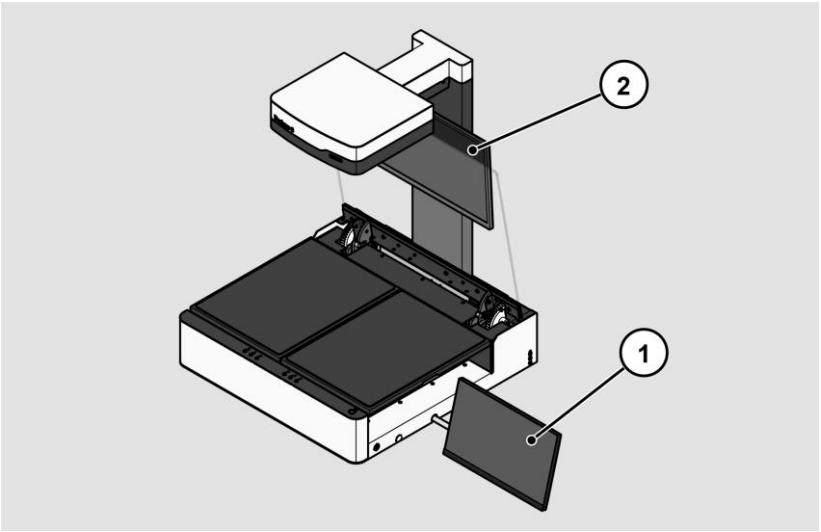
When the scanner changes from a cold to a warm environment, condensation moisture may form inside the housing.

This disappears when the housing temperature has adjusted to the ambient temperature. Condensation moisture can lead to poor scanning results or even damage the scanner.

The scanner location should have a controlled ambient light situation. The light scenarios should avoid direct sunlight or spotlight from light beams. Also, light sources that cause sharp shadows on the document on the book cradles or high levels of ambient light could negatively influence the scan result.

The scanner is an open system with a built-in high quality light source. Open system means that the ambient light is added to the light seen by the camera. Summary of a recommended location for a scanner: The location is not exposed to daylight. It is evenly illuminated from the ceiling with fluorescent lamps that have electronic ballasts. The light intensity measured on the book cradles should be between 300 and 800 lux. The light should not cause any shadows; therefore, the variation of the intensity across the scan area should be kept below 20%. Fluorescent lamps, powered by nonelectronic ballasts, can produce a flicker twice the frequency of the main power supply (100Hz or 120Hz). The same applies to certain simple LED luminaires. If the intensity of this light becomes too high, vertical stripes will be visible on the scan. Direct sunlight will result in overexposed images. Sunlight can also produce distinct shadows. Light beams from spotlights will also change the color of the scans. The scanner has an integrated “White Balance” function. This function will compensate ambient light influences. A “White Balance” calibration is recommended when the light scenario has changed.

Monitor positions



The scanner is shipped with two separately packaged monitors.

The touchscreen monitor (1) is used for scanner operation via the ScanWizard user interface.

The monitor (2) is used as a preview monitor.

Please follow the instructions in the supplied Assembly manual.

Prepare setup

Connecting the power supply

WARNING	
	Risk of electric shock due to incorrect connection. ➢ Ensure that the mains socket is earthed in accordance with local regulations.

CAUTION	
	Incorrect routing of the connection cables can cause tripping, broken bones, bruises and crushing. ➢ Lay the connection cables so that no one can trip over them.

To connect the power supply, proceed as follows:

- ➢ Make sure the scanner's main power switch is turned off (0 position).
- ➢ Only use the power supply unit and power supply cable included in the scope of delivery.
- ➢ Make sure that the power supply cable is undamaged.
- ➢ Connect the low voltage plug to the appropriate DC connector on the back of the scanner.
- ➢ Connect the power supply's plug to a power outlet with a suitable voltage. (100 to 240 V AC)

Establish network connection

⚠ CAUTION	
	Incorrect routing of the connection cables can cause tripping, broken bones, bruises and crushing. ➢ Lay the connection cables so that no one can trip over them.

To establish the network connection, follow the steps below:

➢ Connect one plug of the supplied network cable to the network connection jack on the back of the scanner.

➢ Connect the second plug to the network connection socket of an existing network.

Connecting the foot switch

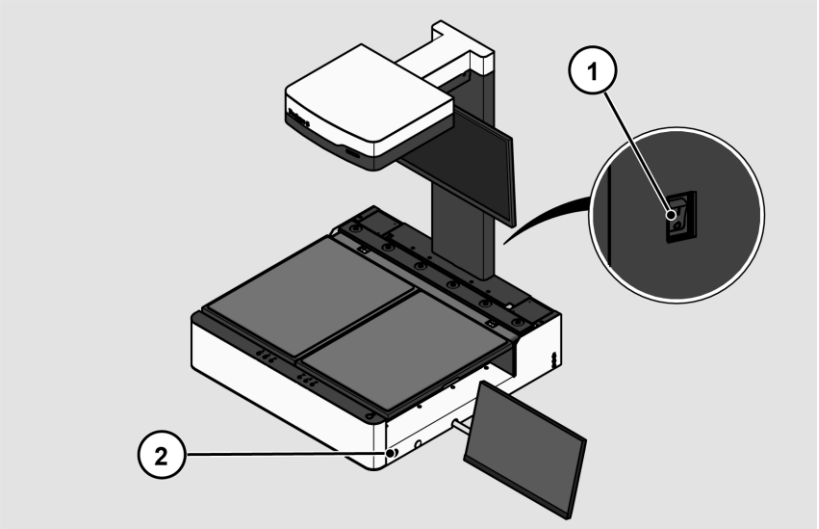
⚠ CAUTION	
	Incorrect routing of the connection cables can cause tripping, broken bones, bruises and crushing. ➢ Lay the connection cables so that no one can trip over them.

➢ Connect the foot switch plug to the foot switch connector on the back of the scanner.

Switch on scanner

To switch on the scanner, proceed as follows:

➢ Press the MAIN switch (1) on the rear panel to the "I" position.



The scanner is in stand-by mode.

To exit stand-by mode, proceed as follows:

➢ Press the POWER button (2).

The POWER button lights up blue.

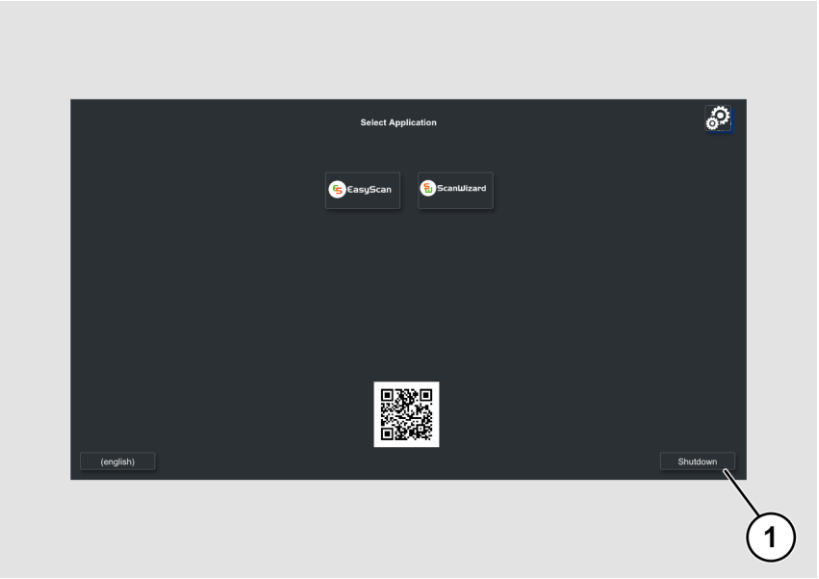
After a short waiting time, the Setup Wizard is displayed on the touchscreen.

Switch off scanner

To switch the scanner to stand-by mode after performing the setup, proceed as follows:

➢ On the Select Application screen, tap POWER OFF (1).

You can also press the POWER button briefly to access this menu. Do not press the POWER button for longer than 5 seconds, otherwise the scanner will switch off hard.



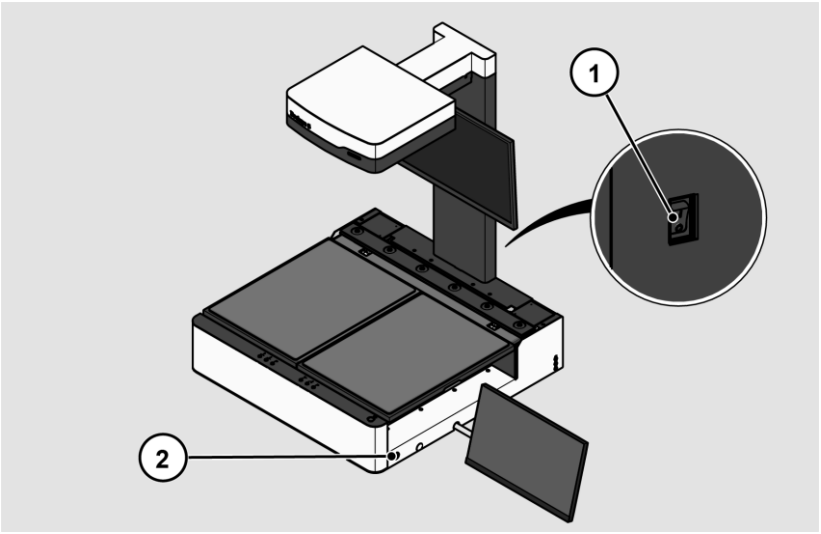
➢ Confirm with YES.

The scanner is shutting down. This process can take up to approx. 40 seconds.

The scanner is in stand-by mode.

If you will not be using the scanner for an extended period of time, you can further reduce power consumption by turning off the stand-by power. To do this, follow the steps below:

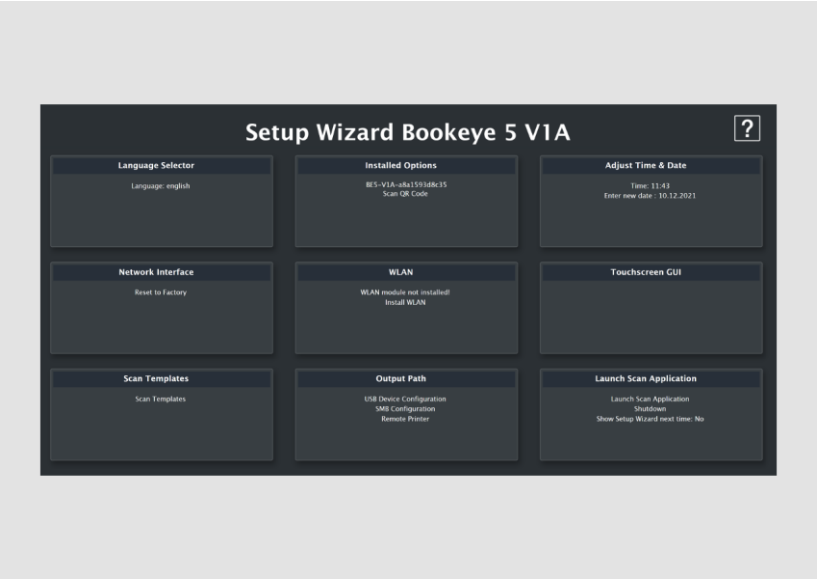
- Make sure the scanner is in stand-by mode.
- Press the MAIN switch (1) to the "0" position.



Perform setup

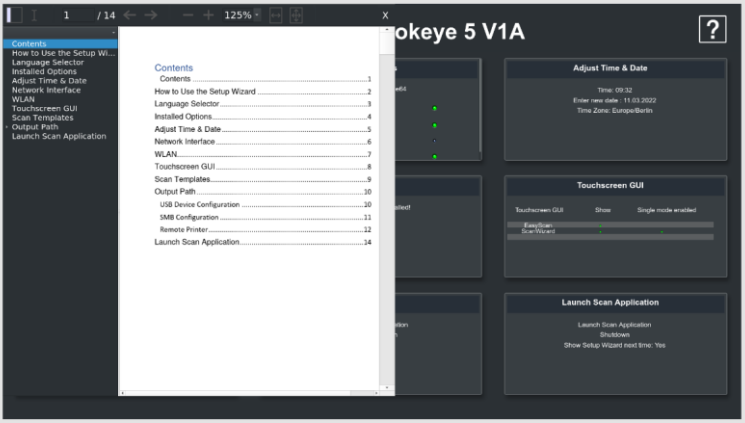
Setup Wizard

The Setup Wizard is displayed on the touchscreen immediately after the startup process is complete.



The Setup Wizard allows the user to perform the most important settings on the touch screen during the initial installation of a Scan2Net scanner. After the Setup Wizard has been successfully completed, the scanner can be used immediately without any further settings.

All user interfaces of the Setup Wizard are described in the online help.



To exit the Setup Wizard you have to deactivate it in the LAUNCH SCAN APPLICATION tile.

Starting the Setup Wizard after booting the scanner can be reactivated in the DEVICE SETUP section of Scan2Net.

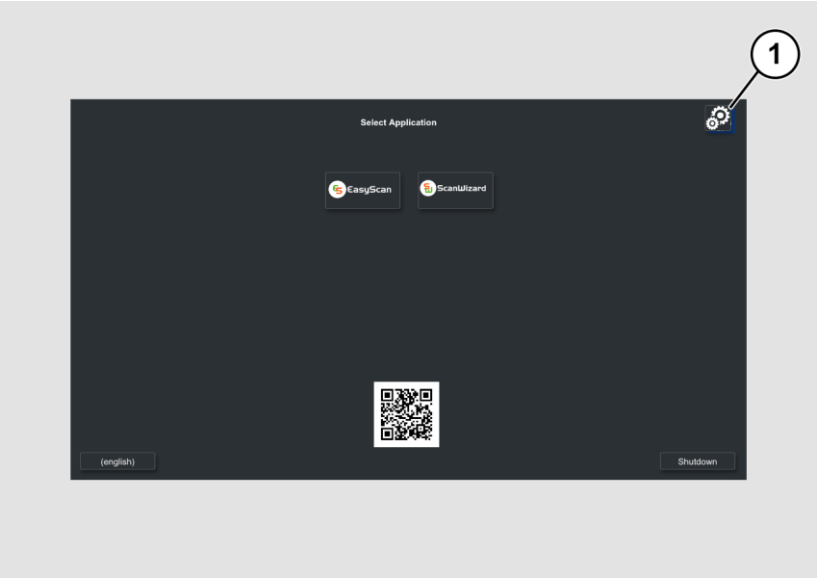
- Open a tab in a web browser and enter the IP address assigned to the scanner in the address bar.
- The Scan2Net window will be displayed.
- Click the SET DEVICE button and then click the POWERUSER button.
- Enter "Poweruser" as the login name and password.
- Select the SETUP WIZARD button from the Administrative Settings menu.
- Finally, select YES in the Setup Wizard menu.

Perform calibrations

Activate setup menu

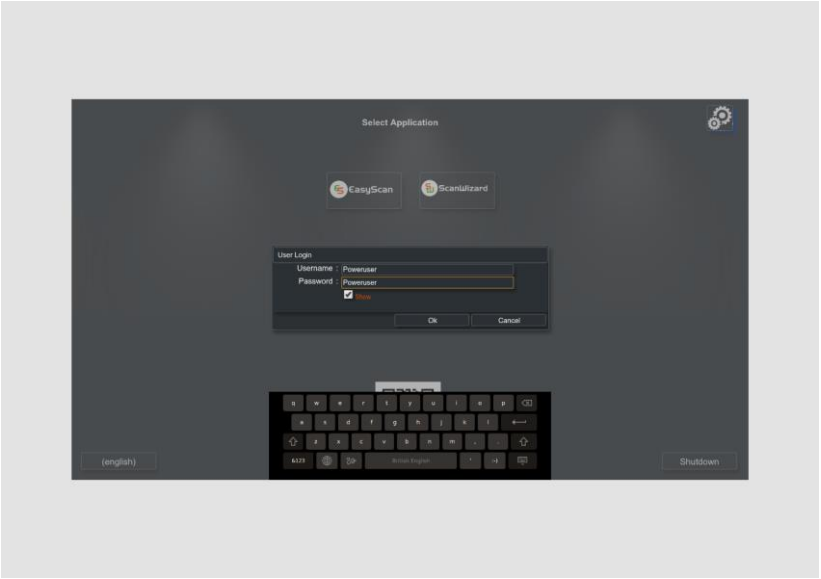
To activate the setup menu, you must log in. To do this, proceed as follows:

➢ Tap on the OPERATION SYMBOL (1).



The login screen is displayed.

- Enter the login data in the login window.
- To do so, tap the corresponding input field with your finger.
- The on-screen keyboard is displayed.
- Enter "Poweruser" in both input fields.
- Note that the input is case sensitive.



- To complete the registration, tap OK.

The S2N Setup Menu screen appears.

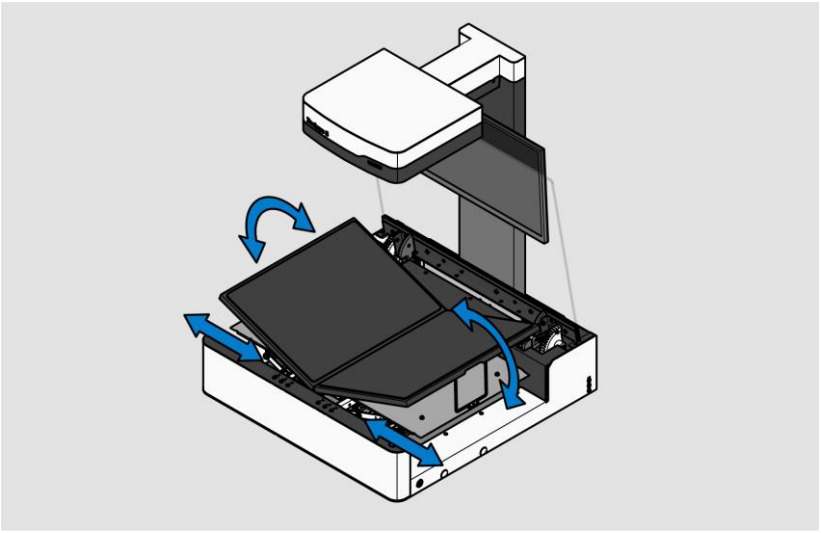
Overview screen page for the setup menu

White Balance:	Display the "White Balance" submenu.
Focus and Scan Area:	Display the "Focus and Scan Area" submenu.
Test Suite:	Display the "Test Suite" submenu
IP Address:	Display of the "IP Address" submenu
WLAN:	Display of the "WLAN" submenu
User Settings:	Display of the "User Settings" submenu
Time and Date:	Display of the "Time and Date" submenu
Touchscreen Test:	Display of the submenu "Touchscreen Test".
Glass Plate:	Display of the submenu "Glass Plate".

- To select a submenu on the S2N Setup Menu screen page, tap the corresponding button on the screen page with your finger.
- All user interfaces of the Setup Menu are described in the online help.

Book Cradle

The Bookeye® 5 V1A is equipped with a book rocker. The book rocker can be used in two modes, in flat position or in V-position.



The V position is recommended for very delicate, old books and documents. The opening angle between the book cradle plates is 140 degrees. When the book rockers are lifted into the "V" position, they are held by a support leg on each side. In the "V" position, the plates can also be pushed apart horizontally. The small opening angle puts only minimal strain on the book binding.

The book cradle plates can be pushed apart horizontally. The maximum possible distance between the plates is 200 mm (8 inch). This position is particularly suitable for scanning bound originals.

Functions of the glass plate

General information

Before using the glass plate, the book cradle plates must be placed in the flat plane position.

For safety reasons, the force with which the glass plate is lifted from the lowered position is limited.

Keep a distance to the swivel range of the glass plate to avoid any risk of injury.

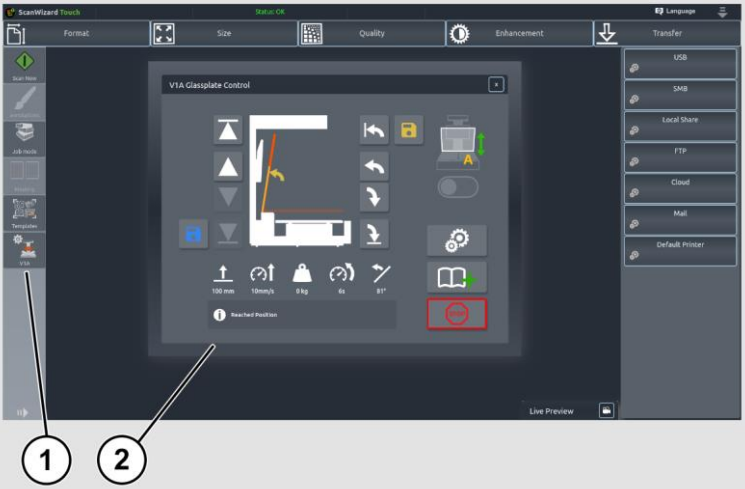
Operating modes of the glass plate

The Bookeye® 5 V1A has two operating modes that are controlled in conjunction with the glass plate (A):

- Automatic mode
- Manual mode

Move glass plate

➢ Press the OPEN CONTROL PANEL button (1) to call up the "Glassplate Control" (2).



The following figure shows the ScanWizard Touch "Glassplate Control" with its controls.

Automatic scan mode

➢ Move the glass plate to the horizontal scan position using the LIMIT ROTATION DOWN button.

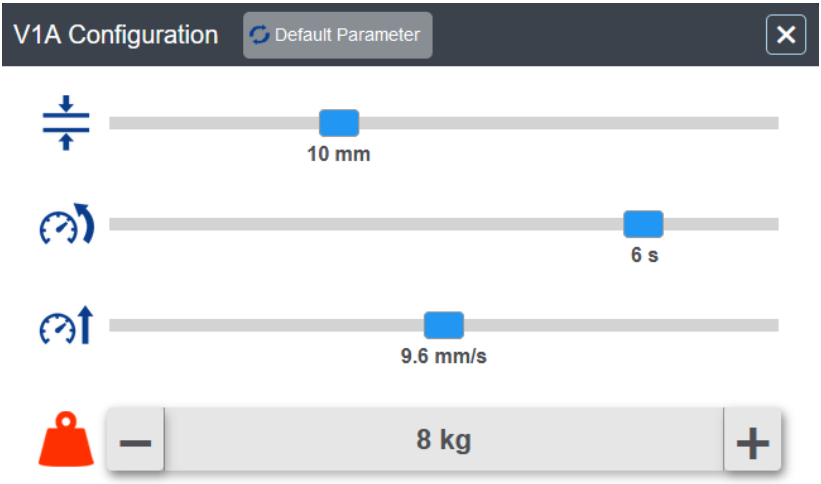
➢ Move the glass plate up or down in small steps using the UP and DOWN buttons until you have reached the desired contact pressure. The glass plate moves only as long as one of these buttons is pressed.

➢ Save the pressure of the glass plate by pressing the SAVE PRESSURE button. This can be any manually moved position. This pressure is selected manually for each book. If it is moved down further, the contact pressure on the book pages increases.

➢ Use the ROTATION DOWN and ROTATION UP buttons to move the glass plate to the desired opening angle.

➢ Save the opening angle of the glass plate by pressing the SAVE OPEN button. This can be any manually moved angle position.

➢ Open the control panel for the automatic scan mode.



Resets the changed parameters to the default setting.

Defines the opening height after the scan, before moving to the stored opening angle.

Defines the traversing speed for the turn motor.

Defines the traversing speed for the lift motor.

Defines the contact pressure.

➢ Activate the automatic scan mode.

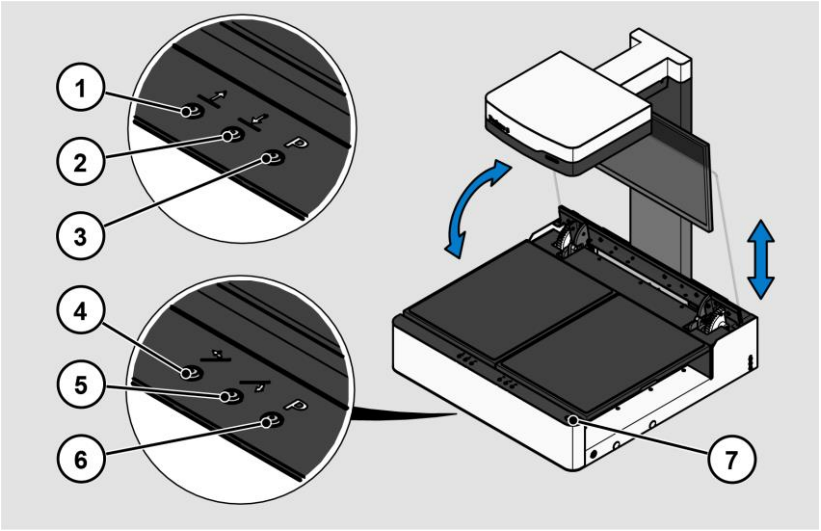
➢ Start a scan.

The glass plate moves to the saved scan position.

The scan is triggered.

The glass plate moves to the saved opening position.

Control panel buttons



The control panel keys of the Bookeye® 5 V1A can be used to additionally control, program or interrupt the travel of the glass plate during a scanning process.

The control panel of the Bookeye® 5 V1A has seven keys with additional functions for glass plate control.

No.	Name	Function: Automatic drive mode Key color: Blue	Function: Programming mode Key color: Red
1		Raises the closed glass plate as long as the key is held up or its maximum height position is reached.	Raises the closed glass plate as long as the key is held up or its maximum height position is reached.
2		Moves the closed glass plate down as long as the key is held down or until the currently defined contact pressure is reached.	Moves the closed glass plate down as long as the key is held down or until the currently defined contact pressure is reached.
3	P	Activates the programming mode.	Saves the current contact pressure of the glass plate.
4		Raises the glass plate by a set distance and then moves it to the programmed opening angle.	Increases the opening angle of the glass plate as long as the key is held down or the programmed opening angle is reached.
5		Moves the glass plate to the scan or contact pressure position.	Decreases the opening angle of the glass plate as long as the key is held down.
6	P	Activates the programming mode.	Saves the current opening angle of the glass plate.
7	Stop	Immediately stops any glass plate movement.	Immediately stops any glass plate movement and exits programming mode.

Programming mode

The programming mode is activated by pressing the P button.

The programmable drive keys light up in red.

The glass plate moves as long as a movement key is pressed or until the currently defined maximum position or contact pressure is reached.

By pressing the P button, the current glass plate position is saved and the programming mode is deactivated.

The drive keys light up in the color blue.

When the glass plate is moved to its largest opening angle, the motor control is disconnected from the power supply.

The glass plate can now be moved up and down by hand without risk.

If one of the drive keys is pressed, the motor controls are immediately reconnected to the power supply.

Illumination of the control panel keys:

In drive mode, a drive key is illuminated in the color blue, in programming mode in the color red.

Their function is active.

If the illumination is off, the drive button cannot be operated.

Its function is disabled.

If the P key flashes, the current drive position of the glass plate cannot be saved, for example if the opening angle is too small.

If the drive keys flashes, the NEW BOOK button must be pressed in the "Glassplate Control".

Automatic drive mode

In the automatic drive mode, the drive keys for the lift motor and for the turn motor light up in blue.

Manual drive mode

In the manual drive mode, only the drive keys for the lift motor light up in the color blue.

Other notes

The saved scan positions are always reset when the ScanWizard user changes or when the scanner is switched off.

A scan can be started using the following options:

- ScanWizard Touch SCAN START button,
- Foot switch.

Manual scan mode

➢ Press the NEW BOOK button to move the glass plate to the starting position.

The glass plate moves to the maximum possible height position and opening angle.

Only in the home position is the glass plate de-energized and can be moved manually! As soon as you press one of the control panel keys or ScanWizard Touch "Glassplate Control" buttons before manually reaching the horizontal contact pressure position, the glass plate can no longer be moved manually!

In manual drive mode, the glass plate position is not saved when the programming mode is exited by pressing the STOP key.

➢ Move the glass plate manually to the horizontal contact pressure position without actuating the control panel keys or ScanWizard Touch "Glassplate Control" buttons.

➢ Adjust the contact pressure using these two control panel keys.

➢ Initiate a scan.
➢ After the scan, manually move the glass plate to a desired opening angle.
➢ Change the document or turn a book page.
➢ Manually move the glass plate to the horizontal contact pressure position without pressing the control panel keys or ScanWizard Touch "Glassplate Control" buttons.
➢ Repeat the scanning process.

System Restore

Solid State Disk Software Error

The file system and Linux operating system of a Scan2Net scanner are very robust and fault tolerant. The file system is capable of repairing itself even if the system loses power during a hard drive write, which would almost certainly damage any Windows, Android, or MAC operating system based computer. However, it is still possible for the Scan2Net Linux software on the SSD to become corrupted under certain circumstances. Unexpected power outages, hard shutdowns via the main power switch without a prior controlled shutdown, and other unexpected interruptions to the operating system can cause this type of disruption. In addition, any uncontrolled interruption of a firmware update procedure or other functions that involve writing to main storage (SSD) poses a potential risk to the integrity of the firmware on the SSD. The Scan2Net operating system of any WideTEK® or Bookeye® scanner is Linux based and although it is very rare, Linux can be corrupted like any other operating system.

If the Linux operating system or other parts of the SSD are damaged, there is still no need to replace the SSD, at least not until the recovery procedure is performed once. These recovery procedures are similar to the procedures necessary to restore other operating systems to a previous state.

Recovery points

Up to two backup copies of the Scan2Net Linux operating system are stored on the internal SSD. The first copy is created during manufacturing. This is the restore point labeled "Factory Default". The second can be created by the user at any time. This is the restore point labeled "User Settings".

System Restore to Factory Defaults

The recovery procedure is a simple process:

Step	Action
1	Turn off the scanner either from the touchscreen, from the Scan2Net application currently in use, or by pressing the POWER button. If the device does not go into standby mode, press and hold the POWER button for more than 5 seconds to hard-switch the scanner into standby mode. If the device does not hard-switch into stand-by mode, press the MAIN SWITCH to the "0" position to turn off the scanner.

ⓘ Make sure that the following process is not interrupted by a hard shutdown or power failure.
If this process is interrupted, loss of the system restore point is possible, so the SSD must be physically replaced.

ⓘ The following process cannot be influenced by the user.

Step	Action
2	Make sure the main power is on and the scanner is in standby mode.
3	Press and hold the red RESET button on the back of the scanner before turning it on! Turn on the scanner by pressing the POWER button. Note: During the power-up process, the RESET button must be pressed and held until it lights up continuously!
4	Restoration of the file system will begin immediately. This process takes about 1 - 2 minutes. At the end of the recovery process, the scanner will automatically reboot.

System recovery of user settings

Set system restore point

Step	Action
1	Open a tab in a web browser and enter the IP address of the scanner.
2	The Scan2Net window appears.
3	Click SETUP DEVICE, and then click POWERUSER.
4	Enter "Poweruser" as the username and password.
5	Select SYSTEM RESTORE from the RESETS AND DEFAULT VALUES menu.
6	Select SET RESTORE POINT.

Please wait until the process is complete and the READY message is displayed. The entire process takes about 1 - 2 minutes.

System Restore

Step	Action
1	Open a tab in a web browser and enter the IP address of the scanner.
2	The Scan2Net window appears.
3	Click SETUP DEVICE, and then click POWERUSER.
4	Enter "Poweruser" as the username and password.
5	Select SYSTEM RESTORE from the RESET & DEFAULT VALUES menu.
6	Select RESTORE SYSTEM.

The unit restarts immediately. The system recovery is then performed. This procedure takes approximately 1 - 2 minutes. To complete the procedure, the device performs a second restart of the restored system.

End of the system recovery procedure.

Cleaning

To keep the scanner in good working condition, make sure it is free of dust, ink, grease, and other contaminants. Scanners are high resolution optical instruments with high quality glass parts. Since a higher quality scanner will reveal smaller particles of dirt and dust better than a lower quality scanner, special care must be taken to keep all parts, and especially all glass parts, as clean as possible.

The cleaning intervals are determined by the scanner environment and the type of documents scanned, as well as the frequency of use. The scanner should be cleaned under the following circumstances.

- When sporadic or frequent image quality problems occur.
- When sporadic or frequent cropping problems occur even though the document is in the correct area of the scan area.

ⓘ To avoid electric shock and other potential damage, make sure the scanner is turned off and unplugged before cleaning. Do not allow water to enter the scanner.

Proper general cleaning should include the following:

- Use an electric vacuum cleaner to remove dust from all parts before proceeding to clean other parts of the product. Be careful not to touch any parts with the dust cleaning hose.
- Clean the outer surface of the Product with a damp cloth. Dampen the cloth and wring it out as much as possible. For best results, use a microfiber cloth.
- The glass surfaces of the scanner should only be cleaned using a soft, lint-free cloth.
- Use a mild soap and water solution only when necessary. Do not use abrasive cleaners.
- Wipe the product dry with a soft, lint-free cloth. Be especially careful when cleaning the touch screen.

Technical Specifications

Optical System

Maximum Scan Area	635 x 914 mm (25 x 36 inch), 16% more than DIN/ISO A1
Scanner Resolution	600 × 600 dpi
Pixel Dimension	9.3 × 9.3 µm
Minimum Document Size	100 × 100 mm (4 × 4 inch)
Camera	CCD line sensor, 22,500 pixels (11,000 scanning lines equivalent to a 245 MPixel matrix camera)
Live Preview Camera	CMOS matrix, area sensor
Color Depth	48 bit color, 16 bit greyscale
Scan Modes	24 bit color, 8 bit grayscale, bitonal, enhanced halftone
File Formats	Multipage PDF (PDF/A) and TIFF, JPEG, JPEG 2000, PNM, PNG, BMP, TIFF (Raw, G3, G4, LZW, JPEG), AutoCAD DWF, JBIG, DjVu, DICOM, PCX, Postscript, EPS, Raw data and more

Illumination System

Light Source	White LEDs, tested according to IEC 62471
Warm-up Time	None
Temperature Dependency	None
UV / IR Emission	None
Lamp Lifetime	50,000 hours typ. Lamps are covered by the Extended Warranty Option.

Electrical Specifications

Two External Power Supplies

Voltage	100 to 240 V AC
Frequency	47 to 63 Hz
Operating Temperature	0 to 40 °C (32 °F to 104 °F)
Relative Humidity	20 to 80 % (non-condensing)
ECO Standard	CEC Level VI

Scanner

Voltage	24 V DC
Current	Max. 7.5 A

Power Consumption incl. Monitors

Sleep	< 0,5 W
Standby	1.5 W
Ready to Scan, Monitors on	120 W
Scanning	200 W

Document Specifications

Maximum Book Weight	30 kg (65 lbs.)

Dimensions and weight

Scanner Outer Dimensions (H x W x D)	1160 x 900 x 900 mm (46 x 35 x 35 inch)
Scanner Outer Dimensions, Book Cradles Opened (H x W x D)	1160 x 1085 x 900 mm (46 x 43 x 35 inch)
Weight of Scanner	90 kg (200 lbs.)
Dimension Transport Box (H × W × D)	740 x 1000 x 1200 mm (29 x 39 x 47 inch)
Scanner Weight, Ready to Ship	150 kg (331 lbs.)

Ambient Conditions

Operating Temperature	5 to 40 °C (40 °F to 105 °F)
Storage Temperature	0 to 60 °C (32 °F to 140 °F)
Relative Humidity	20 to 80 % (non-condensing)
Ambient Luminance	< 800 lux
Noise	< 48 dB(A) (Lift & opening motors) < 42 dB(A) (Operating) < 33 dB(A) (Stand-by)

End of the document

More Bookeye® 5 V1A Professional Book Scanners - Documentation

To achieve the best possible results with your Bookeye® 5 V1A Professional book scanner and to fully understand its operation, you should always have the latest version of the manuals, instructions, and other product documentation. The printed version may already be out of date. You can use the respective QR code or hyperlink shown here to check whether your product documentation is complete and up to date. The documents are available in English, German, Spanish and French.

https://www.imageaccess.de/?page=ScannersBE5-V1ADocumentation&lang=en