



WideTEK[®] 12

WideTEK[®] 25



Setup Manual

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Introduction

Dear Customer,

We congratulate you on the acquisition of this innovative product from Image Access.

We at Image Access are proud of the work we do; it is the result of our extremely high standards of production and stringent quality control.

With these scanners, Image Access offers efficient scanners which cover a wide scope of applications due to its versatility. The integrated web based user interface makes all functions available in structured menus.

This manual is designed to lead the user through all necessary setup steps after the **WideTEK® 12** or the **WideTEK 25** have been delivered.

For this reason, we ask you to read this manual attentively before starting to work with the scanner. By doing so, you will avoid errors from the beginning and you will be able to control all functions from easily.

In addition please consider the following points:

- Damages to your unit may have occurred during shipping. Please check for damages immediately after delivery of the unit. Inform your supplier if damage has occurred.
- Read and ensure that you understand the safety notes. They were developed for your protection and safety as well as to protect the unit.
- Regular maintenance conserves the high quality and safety of your **WideTEK 25** scanner during the entire service life.

If you have any further questions, please feel free to contact your local dealer or Image Access directly. Our staff will be happy to help you.

The Image Access support can be contacted via the Image Access internet homepage. Visit <http://www.imageaccess.de>

For your daily work with your new scanner, we wish you success and complete satisfaction.

Regards

Your Image Access Team

About this Manual

Setup Manual

The **Setup Manual** is written for technical staff with some basic mechanical as well as software skills. Many resellers will offer on-site installation; therefore, some parts or the entire setup manual might not be of interest to the non-technical reader. The access level at which the setup and adjustment processes are performed is called “Poweruser”. This “Poweruser” level is password protected from access by the normal operator.

All information about the normal operation and control of this device is found in the **Operation Manual**.

The customer service portal (CSP) at <http://portal.imageaccess.de> offers downloads of all available manuals for the devices. Be sure to always check for the latest versions of these manuals.

This manual is divided into the sections A to F.

Section A contains the safety notes and the safety precautions. These safety precautions must be followed carefully to avoid injury to the user while working with the scanner.

Section B describes the scanner hardware and the first steps to take after the device has been delivered.

Section C describes the setup and the adjustments which can be executed with the touchscreen.

Section D describes the content and the functions of the **Poweruser** setup menu. A wide variety of parameters of the scanner can be set and modified in this level. It includes information about the firmware update procedure.

Section E contains information about troubleshooting and the lists of error codes and warnings.

Section F shows all technical data and necessary declarations.

Version History

Version	Published in	Content/Changes/Supplements
A	September 2012	Preliminary version.
A2	October 2012	New WideTEK logo introduced; some minor modifications.
	February 2013	Copyright note update with registered trademarks.
B	December 2013	Introduction of the new device housing. Changes of connectors at the back.
C	April 2014	Description of WideTEK® 12 added.
C2	June 2014	New: Chapter D.4.3.3 Lock Screen. Chapter D.5.1 added. Screenshots updated.
C2c	March 2015	Chapter D.3.1.3 Description of document cache settings added.
D	June 2015	Chapter B.4.2 split in two sub-chapters. Description of connectors on WideTEK® 25 backside.

EMC information according to the standard FCC, Part 15:

NOTE:

[WideTEK® 25](#): This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interferences when the equipment is operated in a commercial environment.

Operation of these equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

[WideTEK® 12](#): This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interferences in a residential environment.

If this equipment does cause harmful interferences to radio or television reception, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the device and receiver.
- Reorient or relocate the receiving antenna.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.

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A Safety Notes

A.1 Safety Notes

Read and ensure that you understand the safety notes.

They are designed for your protection and for your safety.

Follow all safety notes to avoid damage to the device.

A.1.1 Marking of Safety Notes

All safety notes are marked with a warning sign.

A description of the potential hazard is found at the right side beside the warning sign.



WARNING!

<Text with description of potential hazard.>

A.2 Certification

Both scanners fulfill all requirements of the following safety standards:

UL 60950-1, Safety for Information Technology Equipment (US standard)

CAN/CSA C22.2 No.60950-1, Safety for Information Technology Equipment
(Standard for Canada)

The [WideTEK 25](#) scanner fulfills all requirements of the following safety standards:

IEC 60950-1, International Safety Standard for Information Technology Equipment

EN 60950-1, Safety for Information Technology Equipment (European standard)

The [WideTEK 12](#) scanner fulfills all requirements of the following safety standards:

IEC 62368-1:2014 (2nd Ed.): International Safety Standard for Information Technology Equipment

FprEN 62368-1:2013/FprAA:2014: Safety for Information Technology Equipment
(European standard)

A.3 Safety Precautions

Warning: Please read all the safety precautions **before** you operate the scanner. Serious injury can occur to you or to others if you do not know how to use it safely.



Protect the scanner against the ingress of any type of moisture.

Follow all safety precautions to avoid personal injury or damage to the device.

1. Place the scanner in a clean, well ventilated room. Do not operate the scanner in an area with poor ventilation.
2. Openings in the scanner's housing are provided for air circulation. Do not cover or block the openings.
3. Do not place the scanner near a heat or cold emitting source such as a space heater, furnace, or air conditioning unit.
4. Do not place the scanner near any devices or electrical boxes emitting high voltage.
5. Always place the scanner on a stable surface.
6. Do not place any objects filled with liquids on the scanner. If liquid spills into the scanner, it can cause damage.
If this occurs, turn the scanner off immediately and unplug the external power supply connector. Contact the Image Access Technical Support team.
7. Do not put any objects into any scanner housing openings unless specifically instructed to do so by Image Access Technical Support.
8. Do not disassemble the scanner. If there is a need to disassemble the scanner, please contact Image Access Technical Support.
9. Do not use the scanner if it has been physically damaged. If this occurs, turn the scanner off and unplug the external power supply connector. Contact Image Access Technical Support.
10. The scanner should be used only with the external power supply that is delivered with the scanner. If you are unsure, please contact Image Access Technical Support.
11. Always turn the power off and unplug the external power supply from the scanner before cleaning the scanner.
12. Do not use any cleaners that contain solvents, abrasives, or acids. Use a dry or damp lint free cloth for cleaning the scanner.
13. Do not spray any liquids directly onto the scanner. Spray cleaning fluids only onto the cleaning cloth and use the cloth to clean the scanner.
14. Use a damp cloth made of a soft, lint-free material to clean the scanner. Microfiber cloths are recommended.

Image Access Technical Support email address: support@imageaccess.de

A.4 General Notice

This manual describes the WideTEK® 12 as well as the WideTEK® 25 scanner versions.

This manual describes the functions and settings of a completely equipped scanner with all options. Your device may not be equipped with all features, therefore deviations are possible.

Differences between the WideTEK® 12 and WideTEK® 25 will be marked.

A.5 Maintenance

Important: While cleaning the scanner, ensure that no liquids flow into the device housing.

A.5.1 Touchscreen

The touchscreen can be cleaned with a dry microfiber cloth. Before cleaning, putting the scanner in standby mode is recommended.

A.5.2 Surfaces

Use a soft, dampened cloth to clean the housing of the scanner. A microfiber cloth is recommended.

A.5.3 Glass plate

Important: Do not use any cleanser with solvents to clean the glass plate!

The glass plate of the scanner has a special non-reflective surface coating.

Clean the glass plate with an appropriate glass cleaner and use a soft cloth. A microfiber cloth is recommended.

After cleaning, dry the glass plate with a soft cloth.

A.6 Repair

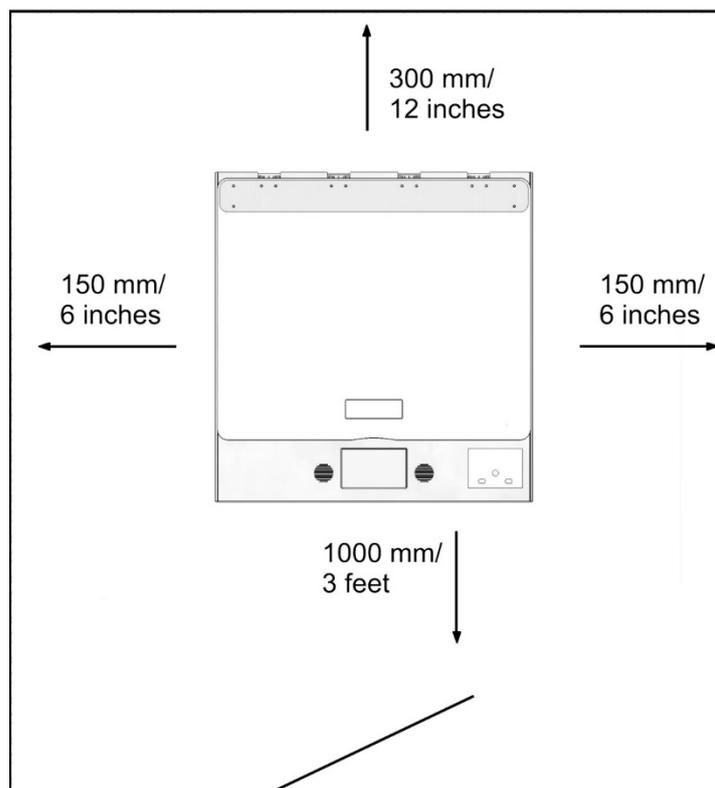
Note: No parts of the scanner can be repaired by the user.

All repairs should be done by a trained technician.

A.7 Device Location

Note: Picture 1 shows a sketch with a WideTEK® 25. The minimum distances around the scanner are also valid for the WideTEK® 12.

Please allow a minimum of 150 mm (6 inch) from any side walls and 300 mm (12 inch) from a back wall. Leave one meter (3 feet) minimum distance from any door or entrance way. Use the illustration below as a guide.



Picture 1: Minimum distances

Do not operate the scanner in an area that has poor air circulation and/or that is not ventilated.

Place the scanner on a flat and solid base. The load bearing capacity of the base must correspond to the device weight.

Choose a location that complies with the temperature and humidity limits. Refer to the technical specification.

Important: Before using the scanner in the new environment, allow at least one hour for temperature adaptation.

Temperature adaptation means:

A fast change from cold to warm environmental conditions can build up condensation inside the housing. This will result in unfavorable scanned images and could cause permanent damage to the unit.

B Hardware

B.1 WideTEK® 12 Content on Delivery

Upon delivery, the scanner and the accessory parts are packed in a sturdy cardboard box.



Picture 2: WideTEK® 12 cardboard box

Cut the tapes at the top and open the cardboard box.



Picture 3: Scanner and reference folder

The reference folder is placed on top of the scanner.

The scanner is protected by a plastic bag.

The content of the reference folder is identical for both scanners.

B.1.1 Unpacking the Cardboard Box

Specially formed foam plastic inserts hold the scanner in the box.

First, pull the plastic inserts out of the box.

Note: Keep the cardboard box and the foam plastic inserts for future use! If the scanner needs to be returned to depot for repair, it must be sent back in the original transport box to avoid transport damages and to meet guarantee requirements.

Important! For safety reasons and because of the weight of the scanner, **two persons should always execute the following step.**

Lift the scanner out of the box and place it on a flat and solid base.

The load bearing capacity of the base must correspond to the device weight. The dimensions of the base must correspond to the length and depth of the scanner.

After lifting the scanner out, the accessory parts are accessible.



Picture 4: Accessory in the transport box

- 1: Plastic bag containing
 - Power cable for the power supply
 - Network cable to connect the scanner to an existing network
 - Plastic bag with "Recovery Key"
- 2: 3x White Reference Targets WT12-WA-01-A
- 3: Power supply

B.2 WideTEK® 12 Controls

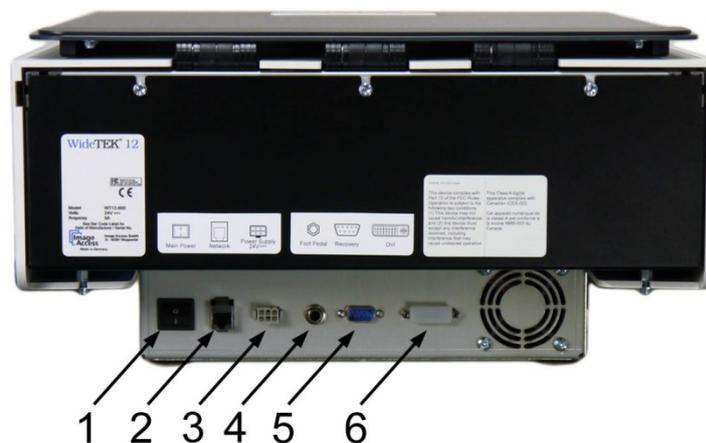
B.2.1 WideTEK® 12 Front Side Elements



Picture 5: WideTEK® 12 front view

- 1: 7 inch WVGA touchscreen
- 2: Standby button
- 3: USB connector

B.2.2 WideTEK® 12 Back Side Connectors



Picture 6: Connectors on the back side

- 1: Main power switch
- 2: Network cable connector
- 3: External power supply connector
- 4: Foot pedal connector
- 5: Serial port / Recovery key connector
- 6: DVI connector for external monitor

B.3 Content on Delivery WideTEK® 25

When delivered, the scanner is placed on a Euro pallet, bordered on all sides by a stable wooden frame and covered with a wooden top cover.



Picture 7: Transport box

Remove the plastic straps and lift the cover. Remove the cushion foils, which cover the scanner.



Picture 8: Scanner covered cushion foils

Note: Picture 8 and Picture 9 show the housing of WideTEK® 25 from a previous design.

Picture 9 gives an overview of the content of the transport box.



Picture 9: WideTEK 25 in transport box, cover removed

- 1:** Folder containing
Color Scanner Test Target CSTT-1
Manuals
- 2:** Cardboard box containing
Power supply and connecting cable
Network cable to connect the scanner to an existing network
Plastic bag with "Recovery Key"
- 3:** Scanner **WideTEK 25** in a plastic protection bag
- 4:** Plastic bag containing
3x White Reference Target WT25-WA-01-A
Stitching adjustment target WT36C-Z-02-A

B.3.1 Removing the Transport Box

Specially formed foam plastic inserts hold the scanner and the accessories in place inside the transport box.

First, remove the plastic foam inserts and the cardboard boxes out of the transport box.

Start with the plastic foam elements at the corners of the scanner. Pull it out upwards.

Take the cardboard boxes out of the transport box.

Lift the wooden frame from the pallet.

Important! For safety reasons and because of the weight of the scanner, **always execute the following step with two persons.**

Lift the scanner from pallet and place it on a flat and solid base.

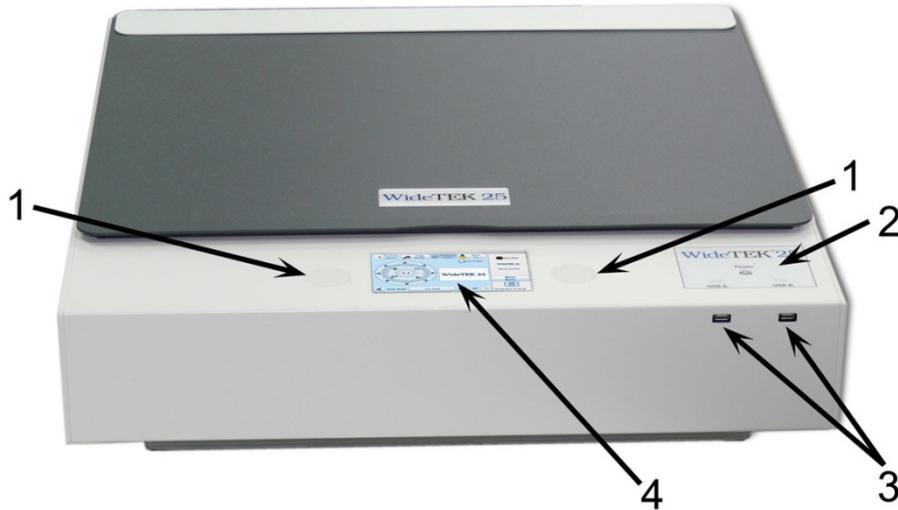
The load bearing capacity of the base must correspond to the device weight. The dimensions of the base must correspond to the length and depth of the scanner.

Note: Keep the wooden transport box and the foam plastic inserts for future use!

If the scanner needs to be returned to depot for repair, it must be sent back in the original transport box to avoid transport damages and to meet guarantee requirements.

B.4 WideTEK® 25 Controls

B.4.1 WideTEK® 25 Front Side Elements



Picture 10: WideTEK 25 front view

The main components of the WideTEK 25 are:

1. Two internal loudspeakers
2. Standby button and status LEDs of the USB connectors.
3. Two USB connectors for storage media.
4. 7 inch WVGA touchscreen

B.4.2 WideTEK® 25 Back Side Connectors

B.4.2.1 Chassis version A

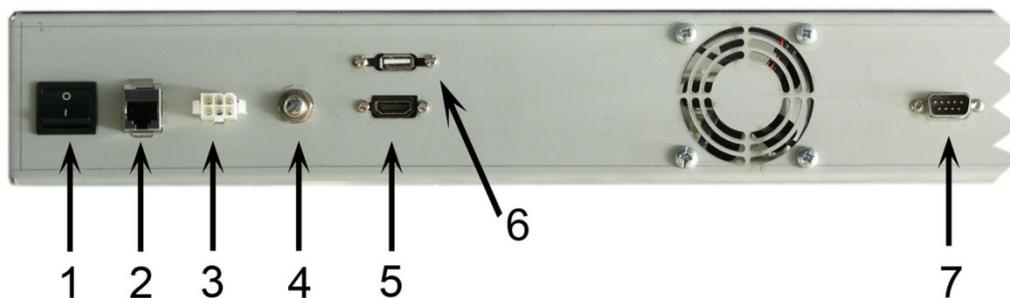


Picture 11: Connectors on the back of the **WideTEK 25**

- | | |
|------------------------------------|--|
| 1. Main power switch | 2. Foot pedal connector |
| 3. Network cable connector | 4. Serial port /
Recovery key connector |
| 5. External power supply connector | 6. DVI connector for external monitor |

Note: Although the scanner's receptacle will accept DVI-D, DVI-A and DVI-I plugs, it only supports DVI-D. DVI-I to VGA cables will not work on this connector.

B.4.2.2 Chassis version B



Picture 12: Connectors chassis B

The connectors #1 to #4 are identical to the connectors of chassis A .

5. HDMI connector
6. USB connector
7. Serial port / Recovery key connector

B.5 Transportation Locks

B.5.1 Removing the Transportation Locks

This section is valid for both scanners, the WideTEK® 12 and the WideTEK® 25.



Attention

Before initial start-up remove the transportation locks!

The transportation locks are located at the left and right bottom side of the scanner. A label is attached to each transportation locks.



Picture 13: Transportation locks at bottom side

The transportation locks are easily identified by their orange colored heads.

To remove, turn the transportation lock counterclockwise.

Remove the transportation locks completely.

Important: Remove the transportation locks completely.

Important: Keep the transport locks for future use!

The transportation locks must be inserted before each transport to protect the camera box from damage.

B.5.2 Inserting the Transportation Locks

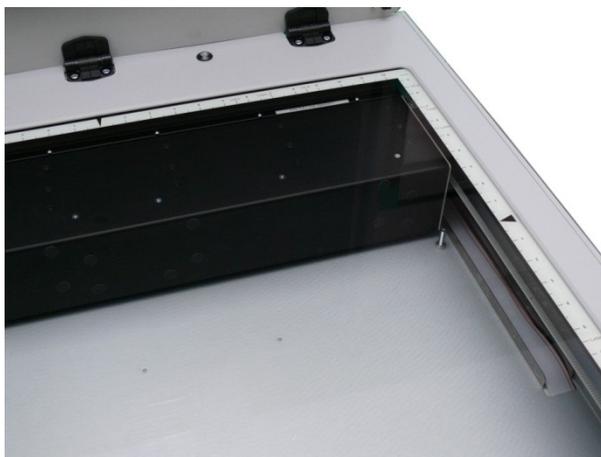


Attention

Insert the transportation locks before transporting the scanner to protect the camera box from damage.

Before inserting the transportation locks, the camera box unit must be moved into transport position.

The transport position of the camera box unit is, as seen from the operator's position, at the back of the scanner (Picture 14).



Picture 14: WideTEK® 25 camera box in transport position

When the power down sequence ends normally, the camera box unit moves to its transport position. If the camera box unit is in any other position after switching off, restart the scanner.

Turn it off again. The power down sequence moves the camera box unit to the transport position, finalizes all internal processes in the scanner and switches the device to standby mode.

Finally switch off the scanner at the main power switch (see Picture 6, #1 / Picture 11, #1).

Insert the transportation locks carefully on both sides of the scanner. Mark the transportation locks with the labels.

Always use the transportation locks which were delivered with the scanner.

Important: Do not use any power tool to insert the transportation locks.

Tighten the transportation locks only by hand. Using more force could result in damage to the camera box unit.

B.6 Connecting to the Power Source

Before connecting the scanner to the external power supply and the power supply to the electrical outlet, check the following items:



Ensure the electrical outlet is in perfect condition and that it is properly grounded.



Ensure that the electrical outlet is equipped with a fuse having the proper capacity.



The electrical outlet must be near this device and must be easily accessible.



Inspect the power cable and ensure that it is undamaged.
Use only the power cable delivered with the scanner.



Turn the device off before plugging or unplugging any cable.

The connector for the external power supply is located at the right side of the back of the housing (see Picture 6, #3 / Picture 11; #1) as seen from the operator's position at the front of the scanner.

After the power supply is connected and the main power switch is turned on, the symbol in the on/off button lights up.

Red illumination of the standby button indicates that the scanner is in standby mode.

B.7 Connecting to the Network

Insert the network cable (delivered with the scanner) into the network cable connector (Picture 11, #2). Plug the other side of the cable into an existing network connector.

B.8 Powering up the Scanner

The main power switch is found at the back of the scanner.

Picture 6 and Picture 11 show the position of power supply connector and main power switch.

After connecting the scanner to the external power supply, switch the main power switch to position I. When the main power switch is in position I, the standby button will be illuminated and the scanner is in standby mode.

B.8.1 Starting the Scanner from Standby Mode

Push the red illuminated standby button to start the scanner.

The button illumination changes to blue.

The scanner starts with self-test routines and verifies all system components. Status messages will be displayed on the touchscreen and on the TFT flat screen (if connected).

At the end of the startup sequence, the touchscreen displays the start screen.

B.8.2 Switching the Scanner to Standby Mode

Important: **Always** turn off the scanner with the standby button at the front panel!

The main power switch should only be used when the scanner is in standby mode and **before** it is disconnected from the external power supply.



To turn off the scanner press and hold the standby button for at least three seconds. While pressing the button, a “click” sound is audible.

The content of the touchscreen and the TFT flat screen (available as option) changes and displays the message: **Going to shut down now ...**

Finally the screens switch off and the standby button will be illuminated red.

B.8.3 The Help Function

To support the user when working with the scanner, a help function is integrated into the touchscreen menu. A **Question Mark** (?) symbol in the bottom line of the touchscreen activates the help function.

After touching the question mark, an additional window opens in the touchscreen and shows information about the menu items of the selected menu.

Touching the **OK** button in the help screen closes the additional window.

C Setup and Adjustment

Whenever the scanner is setup for the first time, moved to a different location, cleaned or serviced and/or after software update; some adjustments have to be performed to guarantee maximum quality and accuracy.

Some adjustments can be executed directly via the touchscreen, e.g. the White Balance calibration.

Furthermore, the IP address can be configured and other user settings can be defined.

To enter the setup menu, tap the touchscreen at the date and time section ten times successively.



Picture 15: Touchscreen, Kiosk application

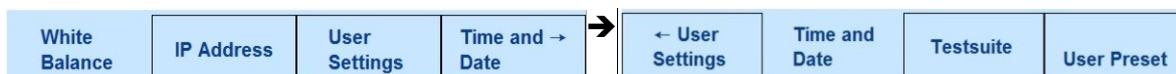
The screen will change and show the first screen of the setup menus.



Picture 16: Setup menu start screen

The menu bar shows four of six available setup menus.

The small arrow in the menu **Time and Date** indicates that the menu bar can be scrolled to also show the fifth menu item.



The small arrow changes its position when the menu bar is scrolled.

C.1 White Balance

The white balance function is the most important function for consistent image quality.

To ensure optimal performance, the [WideTEK 25](#) should be calibrated at regular intervals to compensate for light degradation, variations in the paper quality of the documents to be scanned, and other long term effects.

C.1.1 Helpful Information about White Balance Adjustment

The scanner has built-in light sources of known and stable quality consisting of state-of-the-art white LEDs.

In the first step, the overall sensitivity of the scanner is adjusted in such a way that the brightest area results in an almost saturated output signal. This assures that the largest density range possible is used. After this adjustment is done, the uneven light distribution on the CCD caused by the imbalance of the lamps, the ambient light introduced to the system, the imperfections of the lens and other factors; must be compensated for.

This measurement results in a correction function which levels the brightness over the complete scan width.

The quality of the test target is of utmost importance to the result of the white balance calibration. The test target is on reflective paper which diffuses the light. If the test target has dirt, wrinkles or anything visible to the human eye on it, the CCD will also see this and will overcompensate in these areas. Although the internal software has been programmed to eliminate these imperfections to a certain degree, it still leads to unreliable results if the target is not of the defined quality.

If the target is of defined quality, the scanner will calibrate successfully. Calibration means that the “white” of the test target in the given illumination situation produces a “white” output in the digital domain. Consequently, all scans of white paper having different properties than the test target results in brightness and possibly color shifts.

Periodically performing the white balance adjustment is recommended to ensure best scan results consistently.

C.1.2 Executing the White Balance Adjustment

The first menu item of the setup menus is the **White Balance** screen.



Picture 17: Setup menu, start screen

The touchscreen shows how to position the reference target for the calibration.

The reference target is delivered with the scanner.

Place the white balance test target at the upper margin of the glass plate.

The test target covers the complete width of the glass plate and overlaps at the left and right margins (see Picture 17) of the glass plate.

Touch the **Calibrate** button.

The calibration sequence will be executed. While the calibration is running, a circulating symbol is displayed. The calibration sequence takes approximately 40 seconds.

At the end of the calibration sequence, the results will be displayed on the touchscreen.

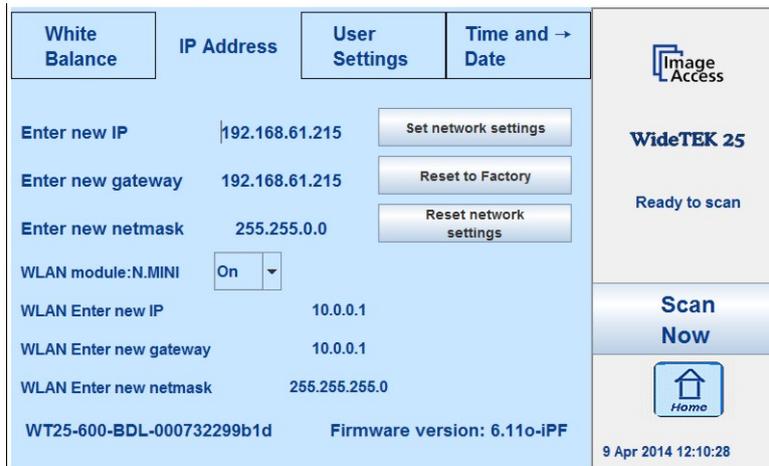


Picture 18: White Balance result

To erase the stored data, touch the button **Remove white balance data**.

Repeat the White Balance calibration after deleting the stored data.

C.2 IP Address



Picture 19: Content of IP Address menu

To change or define the numeric values which make up an IP address, touch the number in the respective line of IP address, gateway or netmask.



An additional window opens where a numeric keyboard allows changing the selected value.

Touch the desired position in the respective row to move the cursor to that position.

To delete a digit, move the cursor to the right of the digit and press the “<=” button. Digits will always be deleted from right to left.

The keys **arrow left** and **arrow right** beside the “0” move the cursor in the line.

Touch **Ok** button to complete the entry.

Set network settings

Saves the new or modified values when pressed.

Reset to Factory

Sets all network parameters to factory default settings.

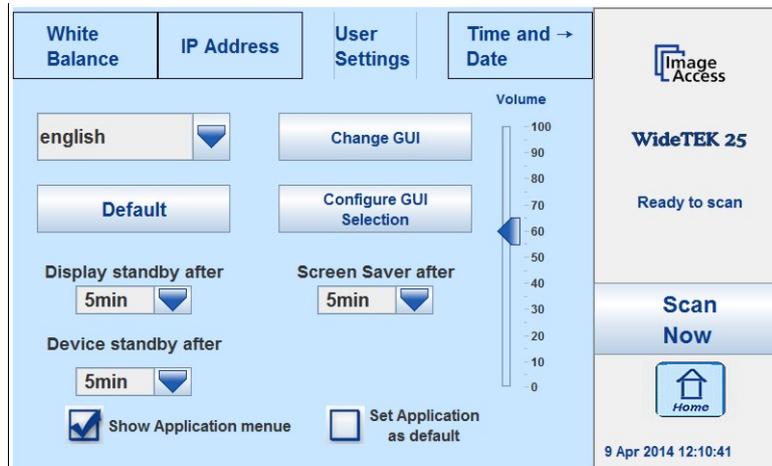
Reset network settings

Sets all network parameters to previously defined value when pressed.

Adapting the IP address of the WLAN module is performed in the same way.

The last row shows the serial number of the scanner and the installed firmware version.

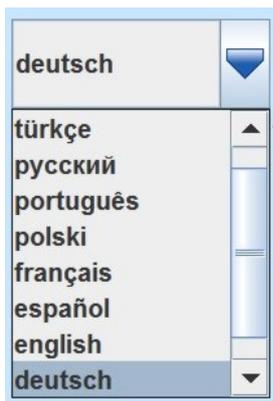
C.3 User Settings



Picture 20: User Settings menu

The User Settings menu allows defining the touchscreen menu parameters.

Language selector



The currently selected language is displayed.

The touchscreen menu language can be selected by touching the selection arrow. A list opens, showing the available languages.

Touching the name of the desired language completes the selection.

Note: The language of the setup menu remains primarily in English.

Changing the language will be activated after touching the **Home** button.

Default

Returns the resolution, document format, color mode, and output file format settings to the default values. See chapter D.8.1.

Change GUI

Opens a menu window which shows the predefined settings (presets) and allows selection of a predefined setting. Chapter C.3.1 provides more details.

Configure GUI Selection

Opens a menu window that shows all available predefined settings, with a checkbox before the name. Chapter C.3.2 describes more details.

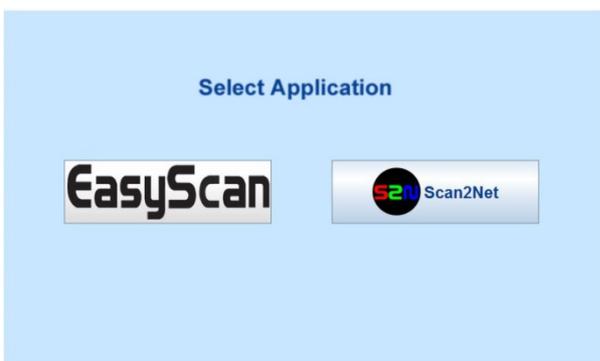
C.3.1 Change GUI



Picture 21: Selectable presets

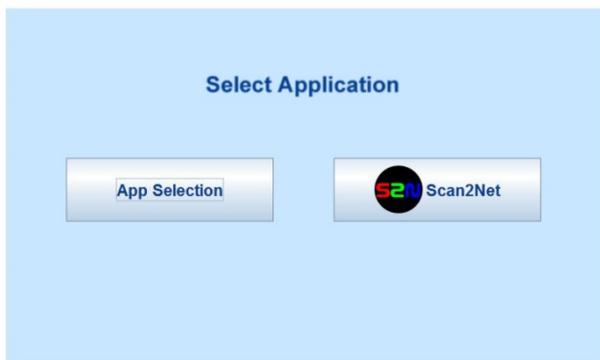
The **Change GUI** menu shows all predefined settings (presets). By default, the presets **Easy** and **Expert** are defined.

Easy and Expert differ in scope and content of the menus that are available in the kiosk application.



After tapping on **EasyScan** the screen changes with a short delay to the start screen.

It shows the buttons **EasyScan** and **Scan2Net**.



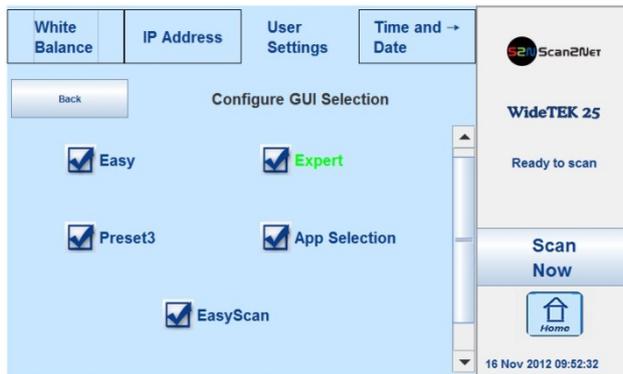
After tapping on **App Selection** the screen changes with a short delay to the start screen.

It shows the buttons **App Selection** and **Scan2Net**.

Apps installed on the scanner will be executed after tapping on **App Selection**.

To return to the previous screen without selecting any preset, touch the **Back** button.

C.3.2 Configure GUI Selection



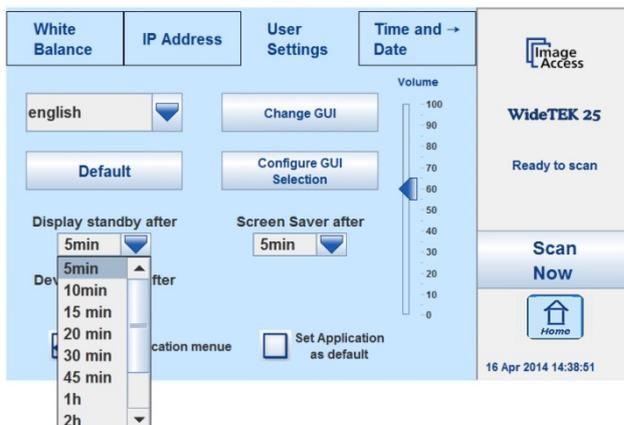
Picture 22: Presets selection screen

All presets are displayed. The checkbox in front of each entry defines whether the respective preset is displayed in the **Change GUI** screen.

After selecting the desired presets, touch the **Back** button to return to the previous screen.

C.3.3 Display standby after

Defines the time of inactivity before the touchscreen switches to standby mode.



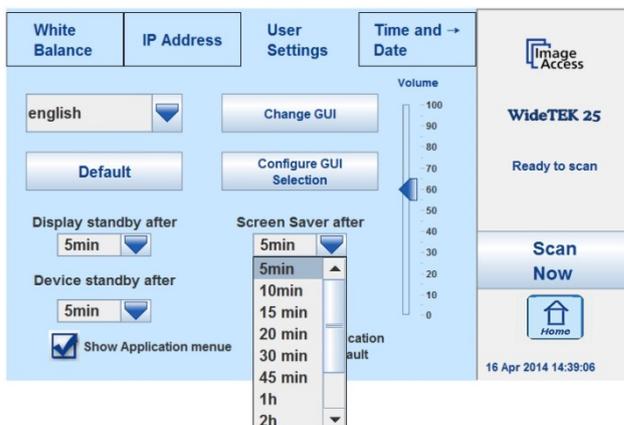
Picture 23: Available standby values for the display

A list of available values opens.

Tap the desired value. The value will be set and the list closes.

C.3.4 Screen saver after

Defines the time of inactivity until the screen saver for an external monitor (option) will be activated.



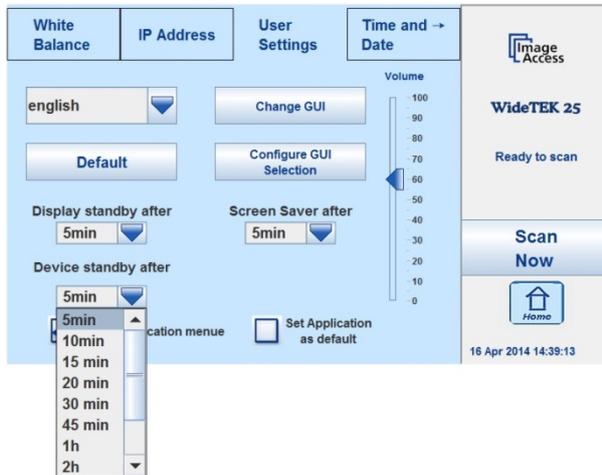
Picture 24: Available standby values for screen saver

A list of available values opens.

Tap the desired value. The value will be set and the list closes.

C.3.5 Device standby after

Defines the time of inactivity before the scanner switches to standby mode. Tap the selection arrow and select the value from the list.



Picture 25: Available standby values for device standby

A list of available values opens.

Tap the desired value. The value will be set and the list closes.

C.3.6 Show Application menu

To show the application menu on the touchscreen when starting the scanner, activate this setting.

Tap the checkbox in front of **Show Application menu**.

- | | |
|---|---|
| <input type="checkbox"/> Show Application menu | Application menu will not be displayed when the scanner starts. |
| <input checked="" type="checkbox"/> Show Application menu | Application menu will be displayed when the scanner starts. |

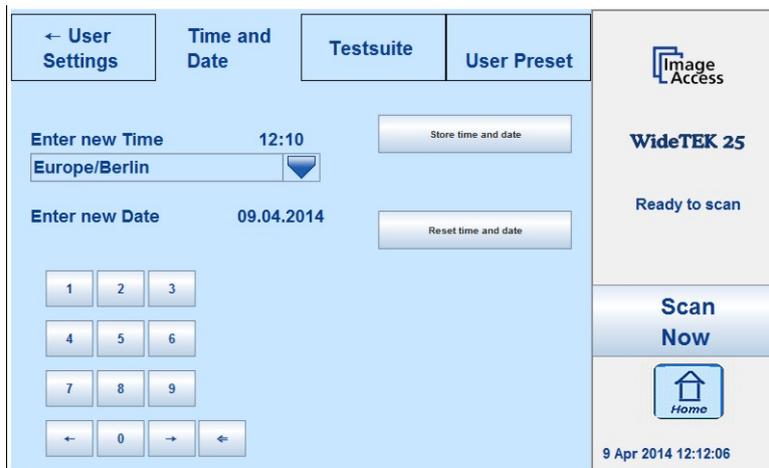
C.3.7 Set Application as default

To switch directly to the selected application when starting the scanner, activate this setting.

Tap the checkbox in front of **Set Application as default**.

- | | |
|--|---|
| <input type="checkbox"/> Set Application as default | Application will not be used as standard when the scanner starts. |
| <input checked="" type="checkbox"/> Set Application as default | Application will be used as standard when the scanner starts. |

C.4 Time and Date



Picture 26: Time and Date screen

To change the time or date value, touch the value in the respective row.

To move the cursor to the desired position use the arrow keys below the numeric keypad or touch the position directly.

To delete a digit, place the cursor right beside of the digit and press the “<=” button. Digits will always be deleted from right to left.

Use the numeric keypad in order to enter digits.

Selecting the time zone

By changing the time zone, the time that appears on the touchscreen is quickly adapted to the location of the scanner.

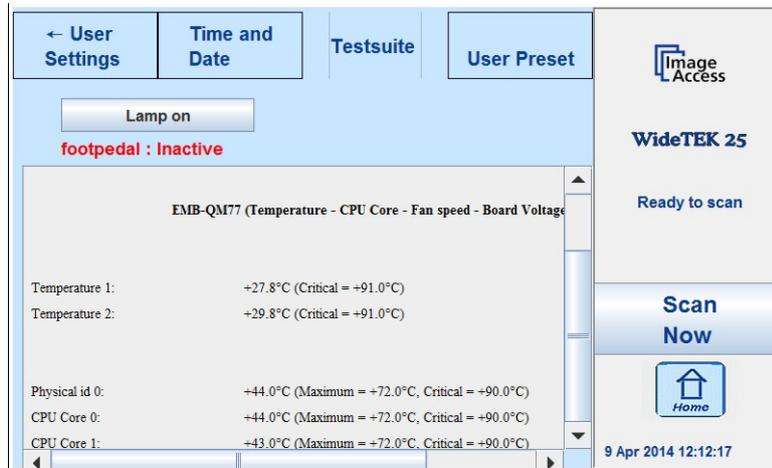
Touch the selecting arrow. A list with the available values opens.

Tap at the desired time zone. The zone will be set and the list closes.

Store time and date: Saves the modified values when pressed.

Reset time and date: Sets the values to default values when pressed.

C.5 Testsuite



Picture 27: Testsuite

The **Testsuite** menu delivers information about the following parameters:

Foot pedal status: Active = Foot pedal connected
 Inactive = No foot pedal connected

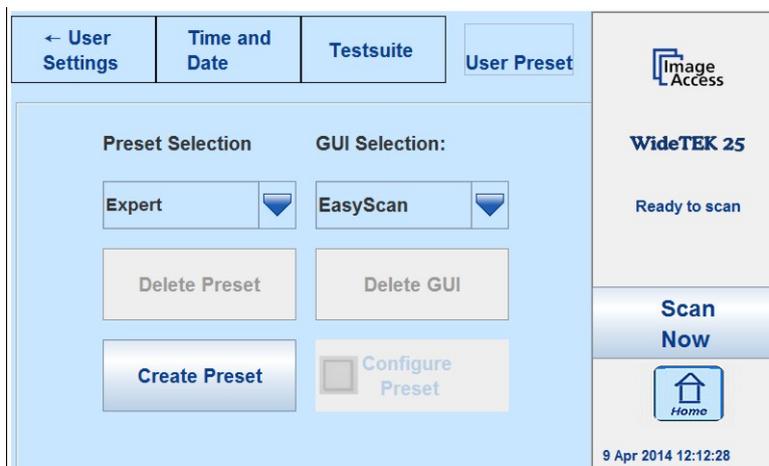
Temperatures of CPU core 0 and CPU core 1.

Available voltages for the mainboard and at the mainboard:

- Input voltage of the external power supply
- Voltage, generated on the mainboard
- Voltage, available from the keyboard connector.

All parameters are updated continuously.

C.6 User Preset



Picture 28: User Preset screen

The **User Preset** menu is for presets and applications (**GUI**) selection.

Preset Selection

Presets contain controls for the scan parameters available in the touchscreen. By default, two presets are defined.

- Easy** Contains only the basic elements of the kiosk application. This preset allows modifying only a few parameters.
- Expert** Contains all elements of the kiosk application and allows control of all scanner parameters.

GUI Selection

The applications (**GUI**) contain individual elements, e.g. logos and control elements, which allow adapting the touchscreen to specific needs.

Applications can be created by system administrators.

The application **EasyScan** is installed as default.

C.6.1 Preset Selection – Create Preset

User defined presets can be created in a few steps.

Create Opens a screen with a keyboard. Enter the name for the new preset.



Picture 29: Keyboard on the touchscreen

- ↑ Shifts the keyboard between upper case and lower case characters.
- ← Deletes the character left of the cursor.
- 123 / abc Shifts the keyboard between numeric and letter layout. All special characters remain at the same position.
- ← or → Moves the cursor while typing in the input field.
- Apply** Saves the new preset.
- Cancel** Returns to the former screen.

C.6.2 Preset Selection – Configure Preset

Select the preset which should be configured from the list **Preset Selection**.

Touch the button **Configure Preset** to define the elements which should be displayed in the selected preset.



The touchscreen changes from the setup menu to the kiosk application.

The status section on the right side of the kiosk application shows the message: **Configure GUI**

Picture 30: Selecting the preset content

C.6.2.1 Activating a function in the menus

Select a menu from the menu list on top of the touchscreen.

Touch one of the displayed buttons or controller near the respective title and hold it for at least three seconds. Release the button.

A small additional window opens, showing in three lines

- the title of the selected button or controller,
- the action called by the button,
- the buttons **Ready** and **Cancel** in the last line.

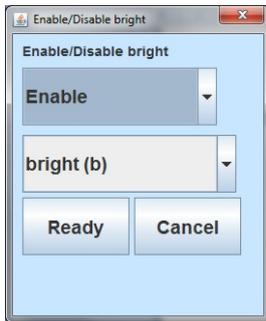
The first line always shows **Disable <name of the selected function>**.



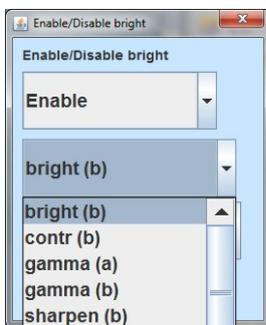
Disable: Disables the selected function.

Enable: Enables the selected function.

Touch the selection arrow in the first line to change to **Enable**. This will show the available functions in the second line.



Touch the selection arrow in the second line to show the available list of functions.



Extensions behind the function names:

- (a) Automatically switches between button, controller or list when the function is displayed on the touchscreen.
- (b) Displays the function always as a button on the touchscreen.

Touch **Ready** to save the selected function.

Touch **Cancel** to abort.

C.6.2.2 Saving the preset functions

After selecting the desired controller and buttons, return to the setup menu.

Tap the date and time section 10 times.

Change to the **User Presets** menu (see Picture 28).

Touch the **Save** button. This will save the preset with the defined name.

C.6.3 Preset Selection – Delete Preset

All presets can be deleted except the pre-installed presets **Easy** and **Expert**.

Select the preset to be deleted from the list.

Touch the **Delete Preset** button. The preset will be deleted.

The list of presets will not automatically refresh.

To refresh the list, return to the kiosk application (see C.6.5) and open the setup menu again.

C.6.4 GUI Selection – Delete GUI

All applications can be deleted except the pre-installed application **EasyScan**.

Select the application to be deleted from the list.

Touch the **Delete GUI** button. The application will be deleted.

The list of applications will not automatically refresh.

To refresh the list, return to the kiosk application (press the **Home** button) and open the setup menu again.

C.6.5 Back to the Kiosk Application



Tap the **Home** button.

The touchscreen returns to the kiosk application.

D Poweruser Level

To enter the **Poweruser** level, start your browser and enter the IP address of the scanner.



Picture 31: Start screen

The start screen shows three symbols, which lead to the main categories of the Scan2Net user interface.

Launch Scan Application changes to the main screen of the scanner interface.

Setup Device changes to the setup menu. Starting with the following chapter, the basics of the scanner configuration will be described.

Information shows a list of basic information about the scanner, e.g. serial number, the firmware version, the IP address and many more.

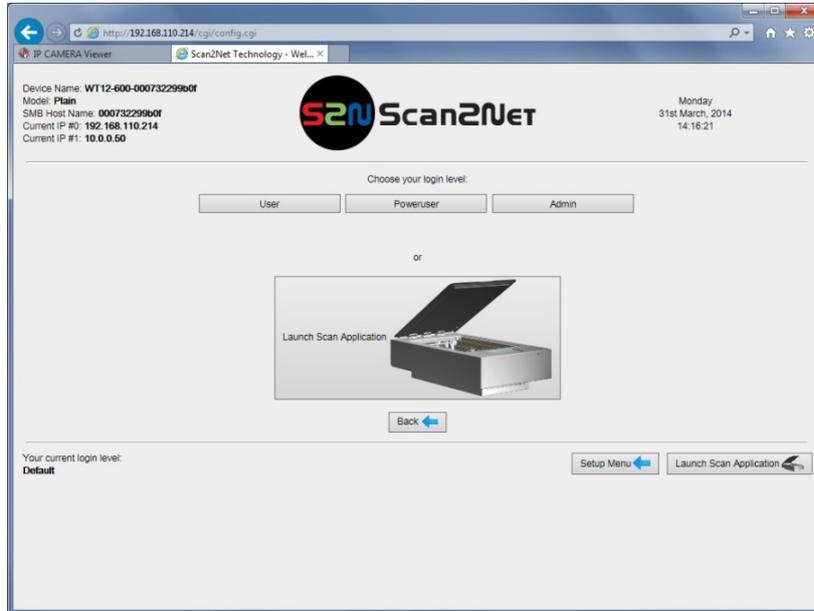
Select **Setup Device** to open the Setup menu.

D.1.1 Selecting the Login Level

The Login level screen shows three buttons which are used to select the login level. Access to the levels **Poweruser** and **Admin** is password protected.

The button **Launch Scan Application** starts the Scan2Net application.

The button **Back** returns to the former screen.

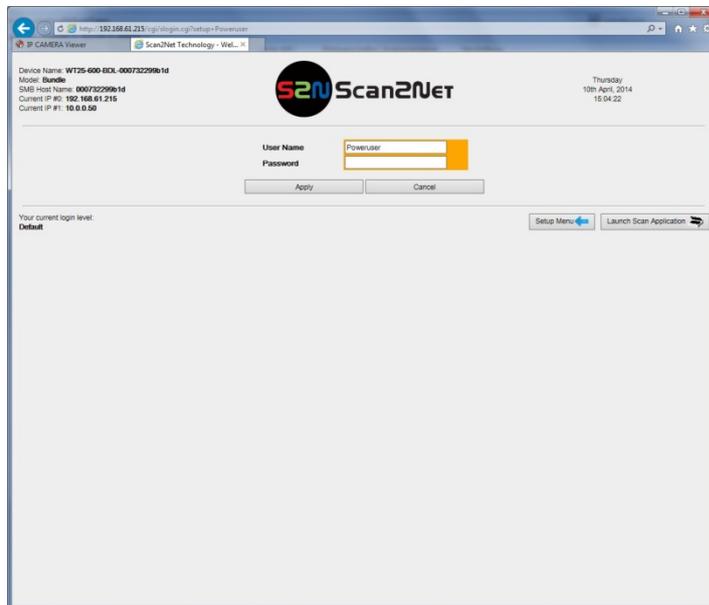


Picture 32: Login level screen

- User** This level allows the user to get some status information from the scanner. These are e.g. the firmware version, the remaining lamp operating time, system information, and other statistics. Furthermore, it allows the user to set a few basic parameters.
- Poweruser** Password protected level. This level allows the user to set an extended range of system parameters and to execute some adjustments. It includes all parameters of the **User** level.
- Admin** Password protected level. This level allows the user to set all system parameters and to configure the scanner in detail.
- Access to the **Admin** level is limited for trained technicians. It includes all parameters of the **User** level and the **Poweruser** level.

D.1.2 Poweruser Login

Click the button **Poweruser**.



Picture 33: Poweruser login menu

Default user name and default password for this login level are **Poweruser**.

Note: Please consider that both the user name as well as the password is written with case-sensitive characters. The first letter of both the user name and the password are written in upper case.

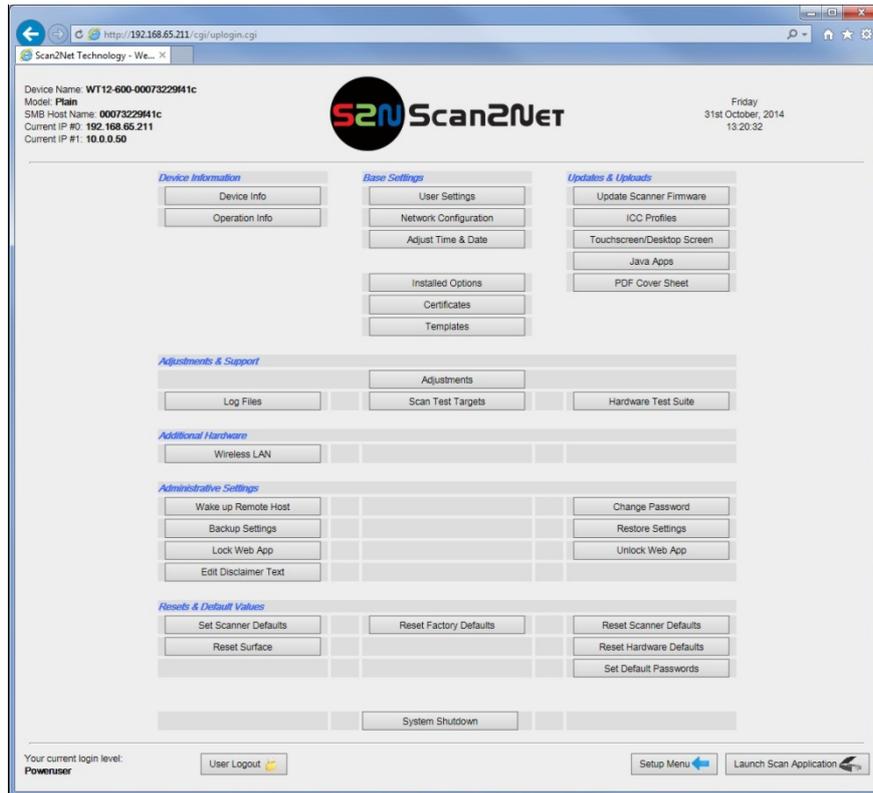
Click **Apply** to finish the login process.

D.2 Poweruser Main Menu

For the following setup steps, choose the login level **Poweruser**.

Default user name and default password for this login level are "Poweruser".

Note: Please consider that both the user name as well as the password is written with case-sensitive letters. The first letter of both the user name and the password are written upper case.



Picture 34: Poweruser main menu

The person having access to this level can change the password and thereby limit access to normal operators.

The main menu screen for the **Poweruser** level opens. The main menu is separated in several sections.

The subsequently described settings broaden the functionality of the scanner or activate additional functions.

D.2.1 Navigating through the Menus

The bottom line of each screen shows two buttons at the right side:

Setup Menu

Returns to the login screen.

Launch Scan Application

Switches to the main screen of the integrated Scan2Net user interface

In each selection menu screen below the parameter to be set, the following button is displayed:

Back to Main Menu

Returns to the **Poweruser** main menu (Picture 34).

The log file section (**Adjustments & Support** → Log Files) contains two more buttons:

Download

Downloads the currently displayed log to a text file with the extension "log".

Back to Log File Menu

Returns to the previous menu, where the desired log file can be selected.

If data files can be selected and transferred within a menu, the menu contains the button

Send File

Transfers the selected data file to the scanner, e.g. if a firmware update is executed.

To install an option, a unique key code must be entered. The respective menu contains the button

Apply

Transfers the unique key code of the option to the scanner.

Screens which show the result of measurements show the following buttons:

New Values

Repeats the measurement and shows the result.

D.3 Base Settings

The **Base Settings** section contains the basic parameters of the scanner.

D.3.1 User Settings

Please notice: The **User Settings** description can be found in the operation manual, chapter **The Setup Level**.

The number of parameters in the **User Settings** section are extended in the **Poweruser** level by the parameters

- **Display** following **Foot Pedal**,

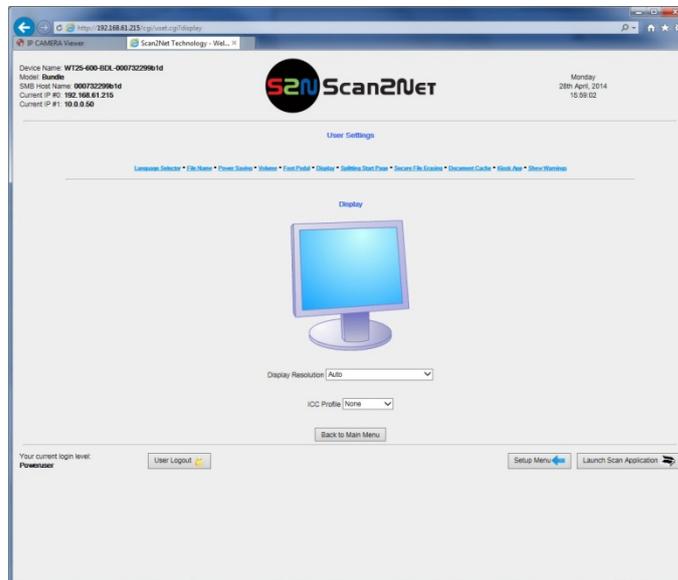
And following **Splitting Start Page**, the parameters

- **Secure File Erasing**
- **Document Cache**
- **Kiosk App**
- **Show Warnings**
- **Validate Certificates.**

All other parameters are identical to the parameters displayed in the **User Settings** login level.

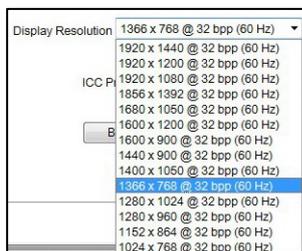
D.3.1.1 Display

Use the function **Display** to define the resolution of the external monitor (optionally installed) and to select an ICC profile.



Picture 35: Display parameters

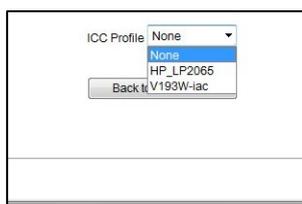
If an external monitor is connected to the scanner, the matching resolution for the monitor can be selected from a list.



To change the resolution, click the selection arrow in the line **Display Resolution**.

Select the desired resolution from the list.

Restart the scanner to activate the setting.



To link an ICC profile to the monitor, click the selection arrow in the line **ICC Profile**.

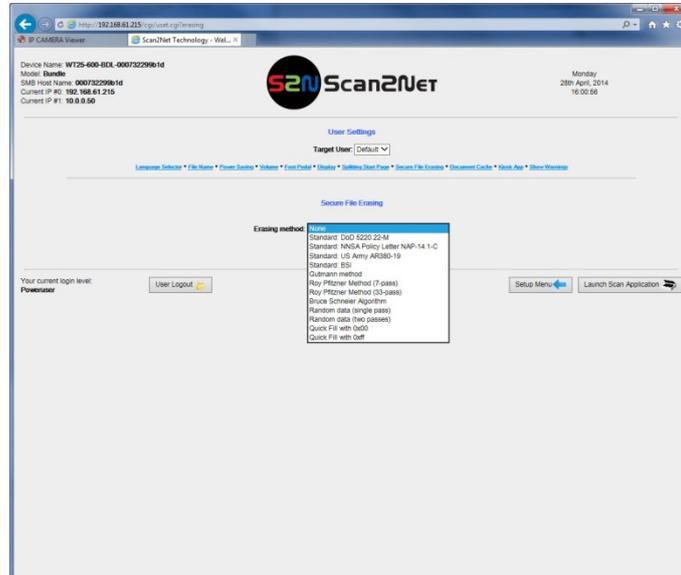
The ICC profiles available will be displayed. Select the desired profile.

Restart the scanner to activate the setting.

D.3.1.2 Secure File Erasing

Available from firmware version 6.x

Use the function **Secure File Erasing** to select a secure erasing algorithm which is used when deleting files from the scanner's memory.



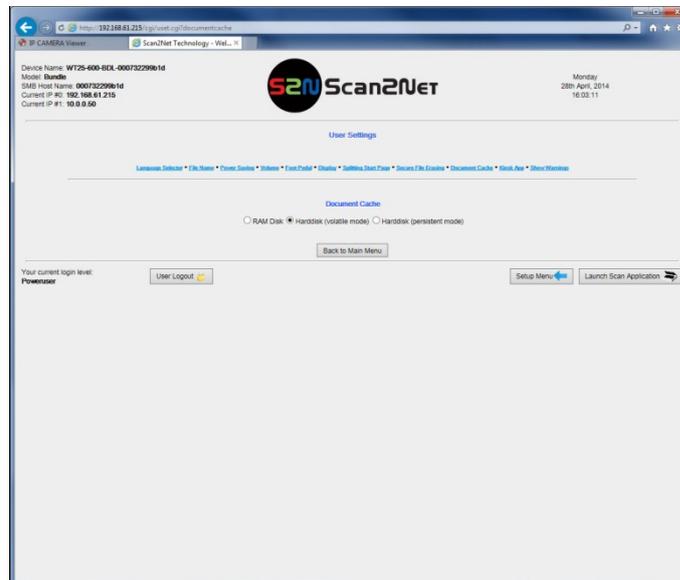
Picture 36: List of erasing methods

Click the selection arrow to open the list of the available erasing methods.

Click on the desired method in the list.

D.3.1.3 Document Cache

The data created while scanning can be stored either on the RAM disk or on the hard disk of the scanner.



Picture 37: Document cache

Click on the radio button to select the desired storage media when scanning in Job mode.

RAM disk: Default setting:

Images will be stored in **Job** mode only in the RAM disk.

That means: Power off → Data gone

When the Job mode is finished, the data will be deleted automatically.

Harddisk (volatile mode): The data will be stored at the integrated hard disk.

The advantage in comparison to RAM disk is that a greater amount of images can be stored on the hard disk.

That means: Power off → Data gone

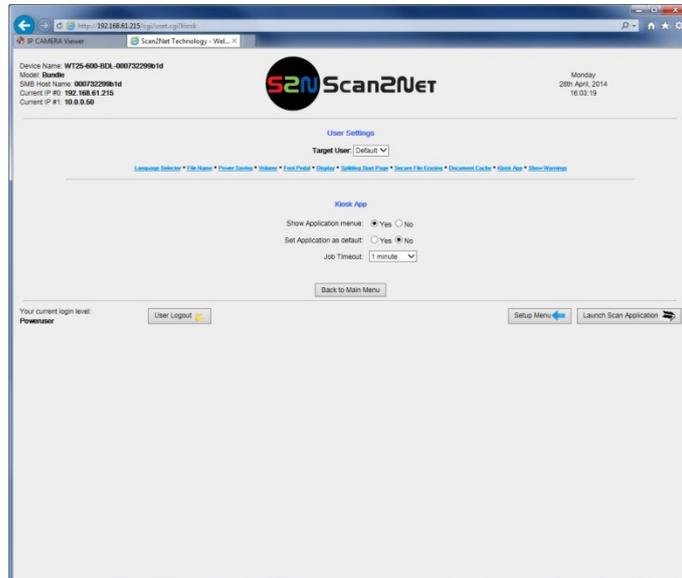
When the Job mode is finished, the data will be deleted automatically.

Harddisk (persistent mode): The data will be stored permanently at the hard disk.

This mode is used in conjunction with applications that open more than one job at the same time.

D.3.1.4 Kiosk App

Use the function **Kiosk App** to define, whether and which selection menu the scanner should show after the start-up sequence in the touchscreen.



Picture 38: Kiosk App settings

Show Application menu

Yes The scanner's touchscreen shows two buttons to select between the applications **EasyScan** or **Scan2Net** after completing the start-up sequence. This setting is enabled as factory default.

By tapping one of the two buttons the scanner starts with the desired application.

No At the end of the start-up sequence, the touchscreen shows no application menu.

Set Application as default

Yes The scanner starts with the application selected in section **Updates&Uploads** → Java Apps.

See chapter D.4.3.3

No After completing the start-up sequence, the touchscreen shows the Scan2Net application.

Use HTML

Yes Activates the HTML based user interface. Currently in beta stadium for testing purposes.

No The Java based interface will be used to control the scanner.

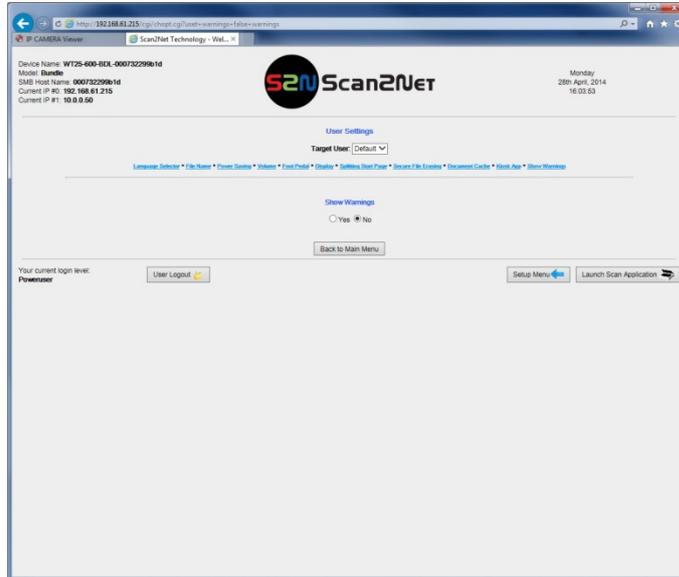
Job Timeout

A job session will be terminated automatically after the selected time. Click at the selection arrow to choose the timeout value.

Never disables the automatic termination.

D.3.1.5 Show Warnings

Use the function **Show Warnings** to set warning messages on or off in the user interface.



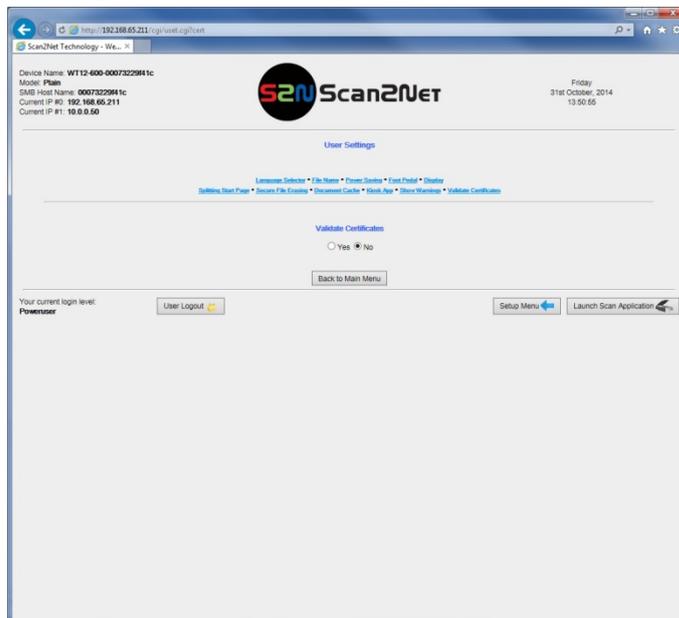
Picture 39: Show Warnings selector

Yes Warning messages will be displayed if an error occurs.

No Warnings messages will be suppressed.

D.3.1.6 Validate Certifications

Use the setting **Validate Certificates** to check the certificates.



Picture 40: Setting for Validate Certificates

D.3.2 Network Configuration

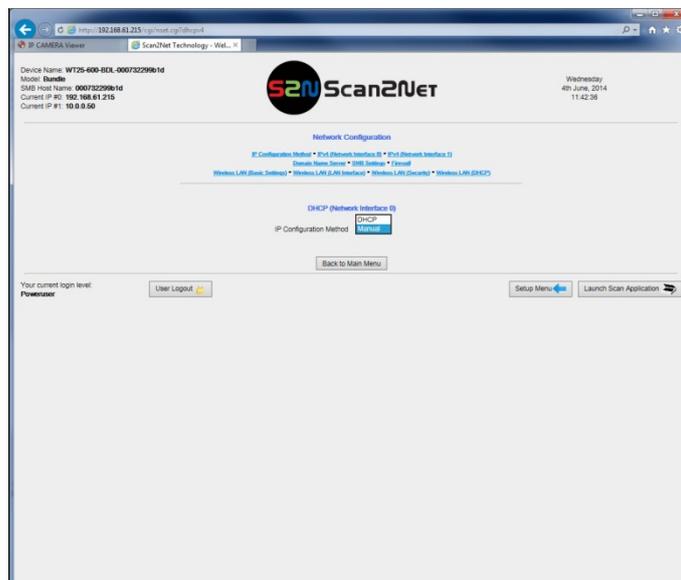
The section **Network Configuration** is divided in subsections.

The items described in chapters D.3.2.7 to D.3.2.10 will be displayed only if a WLAN module is installed.

The **Network Configuration** start screen is the **IPv4 (Network Interface 0)** screen, which is described in chapter D.3.2.2. The following description starts with the **IP Configuration Method** screen.

D.3.2.1 IP Configuration Method

The function **IP Configuration Method** allows the operator to select between two methods of IP configuration of the scanner.



Picture 41: IP Configuration Method

Manual Allows setting the IP address, subnet mask, and default gateway manually; corresponding to the network where the scanner will be used.

After modifying the above named values, the connection to the scanner must be restored with the new data.

DHCP Sets the values for IP address, subnet mask, and default gateway automatically, depending on the existing network where the scanner is installed.

A DHCP server must be accessible in the network. For detailed information, ask the network administrator of the local network before selecting the DHCP method.

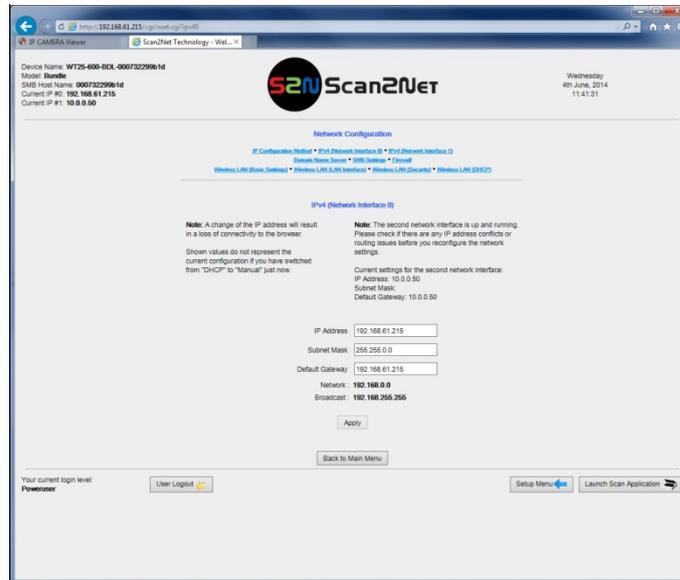
When selecting **DHCP**, the connection to the scanner is lost. The connection to the scanner must be restored with the new data.

Important for the next steps:

After changing the network settings, enter the new IP address of the scanner in your browser and reopen the **Poweruser** main menu as previously described.

D.3.2.2 IPv4 (Network Interface 0)

The function **IPv4 (Network Interface 0)** allows the operator to modify the parameters for the “Network Interface 0”. This is the primary network and is used for communication with external network devices.



Picture 42: IPv4 (Network Interface 0) settings

The screen shows the parameters for “Network Interface 0”.

IP address Enter the IP address which should be used by the scanner.

Subnet Mask Enter the value for the subnet mask.

Default Gateway Enter the value for the gateway. In most cases, this is the IP address of the scanner.

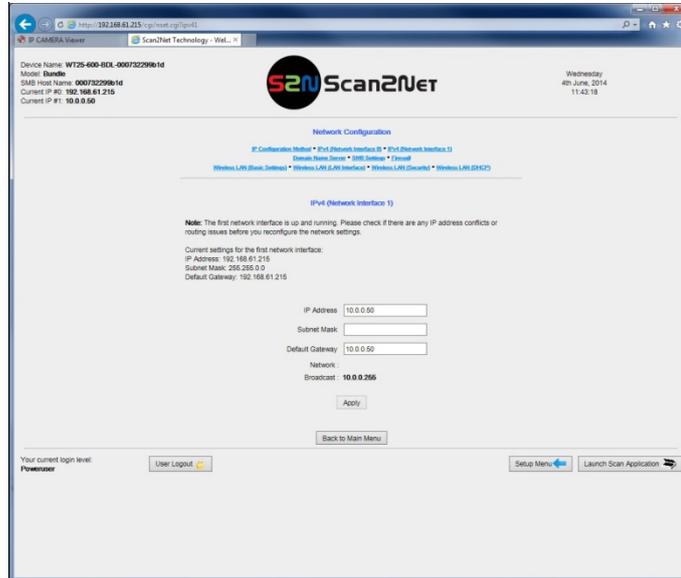
After modifying the network parameters, click on the **Apply** button to transfer the new settings to the scanner. The scanner is now accessible with its new IP address.

Note: After changing the IP address, the connection to the scanner is lost. Enter the new IP address in your browser to reconnect with the scanner.

Depending on the browser used, it is necessary to delete the browser’s cache before the scanner is accessible.

D.3.2.3 IPv4 (Network Interface 1)

The function **IPv4 (Network Interface 1)** allows the operator modifying the parameters for the “Network Interface 1”. This is the secondary network and used for communication with internal network devices, e.g. the WLAN module.



Picture 43: IPv4 (Network Interface 1) settings

The screen shows the parameters for the “Network Interface 1”.

The IP address 10.0.0.50 is preconfigured for communication with the WLAN module. Default IP address of the WLAN module: 10.0.0.1.

IP address Enter the IP address for the “Network Interface 1”.

Subnet Mask Enter the value for the subnet mask.

Default Gateway Enter the value for the gateway.

After modifying the network parameters, click on the **Apply** button to transfer the new settings to the scanner. The “Network Interface 1” is now accessible with its new IP address.

Note: Depending on the browser used, it is necessary to delete the browser cache before the scanner is accessible.

D.3.2.3.1 Solving a routing conflict in a network

As previously mentioned, the “Network Interface 0” is used for communication with external networks; “Network Interface 1” is used for internal communication with the WLAN module.

If the scanner will be operated in an existing network that is configured in the IP address range 10.0.0.x/24 or 10.0.x.x/16 and a host with the IP address 10.0.0.1 is used in this network, a routing conflict will occur.

In the following example, the IP address of the WLAN module will be changed to the IP address **172.16.0.1**.

To solve the routing conflict, the following steps must be executed in the described order:

1. Note the network settings of the existing network, in which the scanner will be integrated.
2. The “Network Interface 0” parameters of the scanner must be set temporarily to the factory values. This can be done directly from the touchscreen (see chapter C.2).

IP address: 192.168.1.50

Subnet mask: 255.255.255.0

Default gateway: 192.168.1.50

3. Connect the scanner directly with a PC. The network parameters of the PC must allow accessing a network with the address range 192.168.1.x.
4. Start the scanner and select the **Poweruser** setup level.
5. Select Base Settings → Network Configuration → Wireless LAN (DHCP). See chapter D.3.2.10.
6. Set the DHCP client range to 172.16.0.51 – 172.16.0.251. Click the **Apply** button.
7. Select Base Settings → Network Configuration → Wireless LAN (LAN Interface). See chapter D.3.2.8. Set the parameters for the WLAN module as follows:

IP address: 172.16.0.1

Subnet mask: 255.255.255.0

Default gateway: 172.16.0.1

Click the **Apply** button. The connection to the WLAN module is temporarily lost.

8. Select Base Settings → Network Configuration → IPv4 (Network Interface 1). Set the parameters for “Network Interface 1” as follows:

IP address: 172.16.0.50

Subnet mask: 255.255.255.0

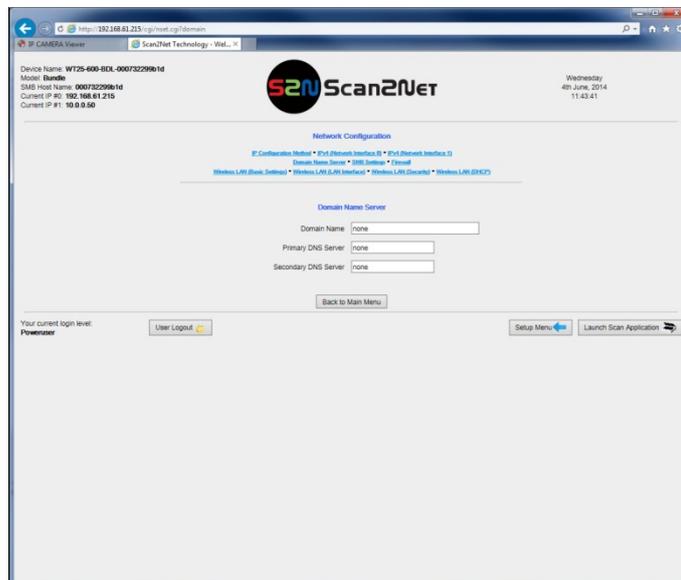
Default gateway: 172.16.0.50

Click the **Apply** button. The connection between WLAN module and scanner is now accessible.

9. Select Base Settings → Network Configuration → IPv4 (Network Interface 0). See chapter D.3.2.2. Enter the previously noted parameters according to the network in which the scanner will be used.

D.3.2.4 Domain Name Server

This section defines the parameters for the **Domain Name Server**.



Picture 44: Domain Name Server parameters

Domain Name Enter the domain name here.

Primary DNS Server Enter the address of the primary DNS server here.

Secondary DNS Server Enter the address of the secondary DNS server here.

D.3.2.5 SMB Settings

This section defines the parameters for the **SMB Settings**.



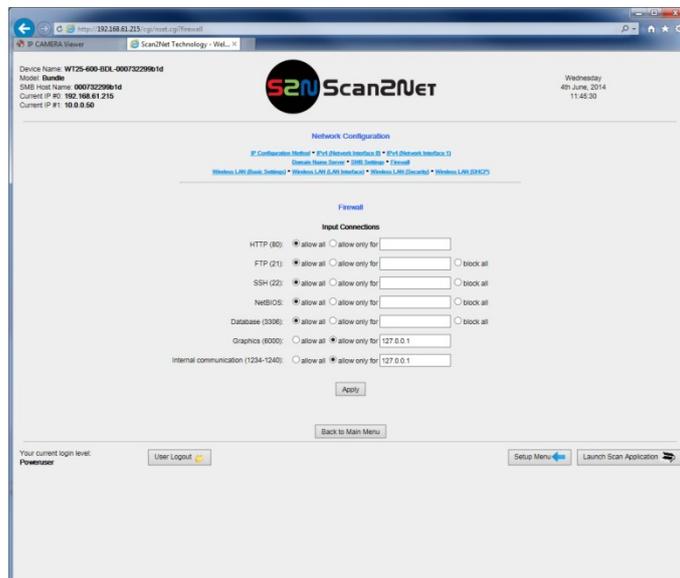
Picture 45: SMB Settings

Note: The default settings are recommended.

SMB Hostname	Enter an SMB host name to identify the scanner in the network. Default is the MAC address of the scanner.
Use SMB hostname as DHCP client name	The SMB host name will be transferred to the DHCP server and will be displayed in the list of network clients
SMB Workgroup	Enter the SMB workgroup in which the scanner is installed.
WINS Server	If a WINS server is used, enter the IP address of the server or \\<Server name> here.
Use NTLMv2 Authentication	Select either Yes or No .
SMB Protocol Version	Select from the settings offered in the list. The recommended operation systems for the protocol version are named in brackets.
Trust server-provided hints for kerberos tickets	No: Recommended Yes: Can be used with older Windows server systems
Send principal to Windows 2008 Server (and later)	No: Recommended, higher security. Yes: Low security, but higher compatibility.

D.3.2.6 Firewall

This section defines the parameters for the firewall.



Picture 46: Firewall settings

The standard ports for the protocols are displayed in brackets.

allow all	No restriction when using the protocol.
allow only for	Enter the IP address or the address range in CIDR notation which are allowed to use the protocol. Examples for CIDR notation: 192.168.0.x/24 or 172.16.x.x/16
block all	Blocks the communication for this protocol.

Click the **Apply** button to transfer the new settings.

D.3.2.7 Wireless LAN (Basic Settings)

Use the function **Wireless LAN (Basic Settings)** to define the basic settings for the WLAN module.

Note: This menu is displayed only if a WLAN module is installed and if the settings for **IPv4 (Network Interface 1)** and **Wireless LAN (LAN Interface)** fit together.



Picture 47: Wireless LAN Basic Settings

Note: The default settings are recommended.

Band Click on the selection arrow to open the list.
Select the desired band for the WLAN communication from the list.

SSID Enter a name to identify the WLAN of the scanner.

Channel Number **Auto:** Recommended setting. Uses the channel with the best data transfer performance.

To use a specific channel, click the selection arrow and select the desired channel from the list.

Broadcast SSID The broadcast SSID is set automatically.

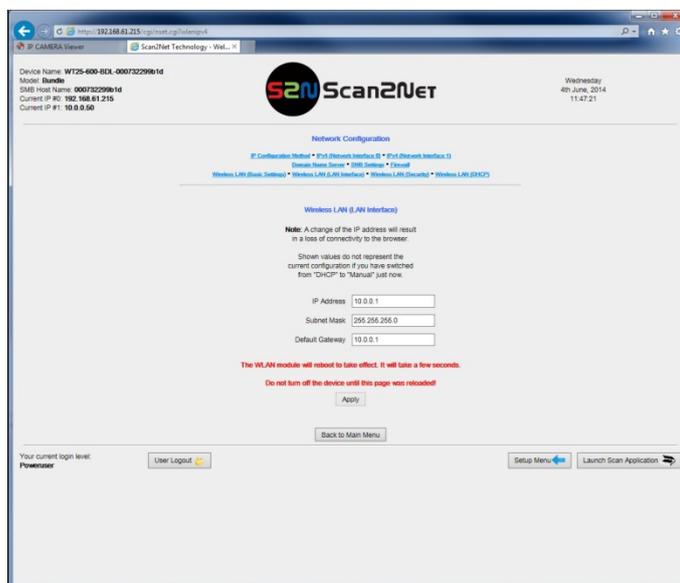
After modifying the WLAN parameters, click the **Apply** button to transfer the new settings.

Follow the note regarding the reboot sequence.

D.3.2.8 Wireless LAN (LAN Interface)

Use the function [Wireless LAN \(LAN Interface\)](#) to define the network parameter for the Wireless LAN module.

Note: This menu is displayed only if a WLAN module is installed and if the settings for [IPv4 \(Network Interface 1\)](#) and [Wireless LAN \(LAN Interface\)](#) fit together.



Picture 48: Wireless LAN (LAN Interface)

The screen shows the parameters for the WLAN module.

IP address Enter the IP address of the WLAN module.

Subnet Mask Enter the value for the subnet mask.

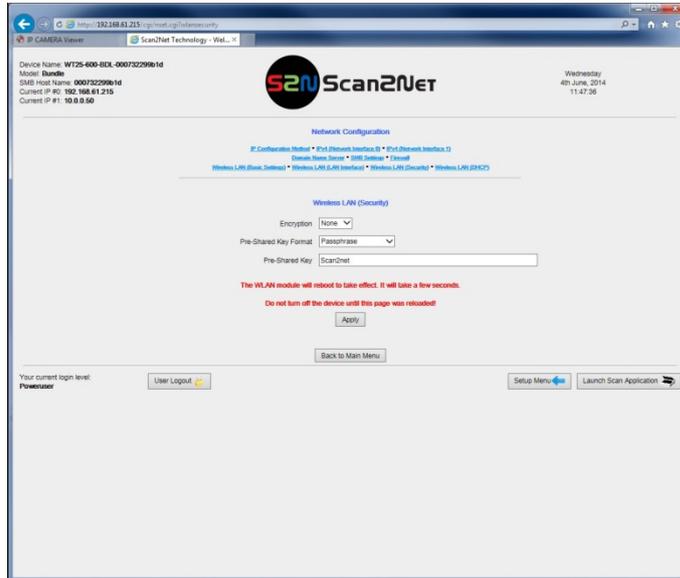
Default Gateway Enter the value for the gateway.

After modifying the network parameters, click the **Apply** button to transfer the new settings to the scanner. The scanner is now accessible with its new IP address.

D.3.2.9 Wireless LAN (Security)

Use the function **Wireless LAN (Security)** to define the parameters for wireless LAN security.

Note: This menu is displayed only if a WLAN module is installed and if the settings for **IPv4 (Network Interface 1)** and **Wireless LAN (LAN Interface)** fit together.



Picture 49: Wireless LAN (Security)

The screen shows the parameters for wireless LAN security.

Encryption

None: No encryption, no security.

WPA 2: Recommended. Encryption according to the WPA 2 standard, high security.

Pre-Shared Key Format

Select between **Passphrase** and **HEX** (64 characters).

Pre-Shared Key

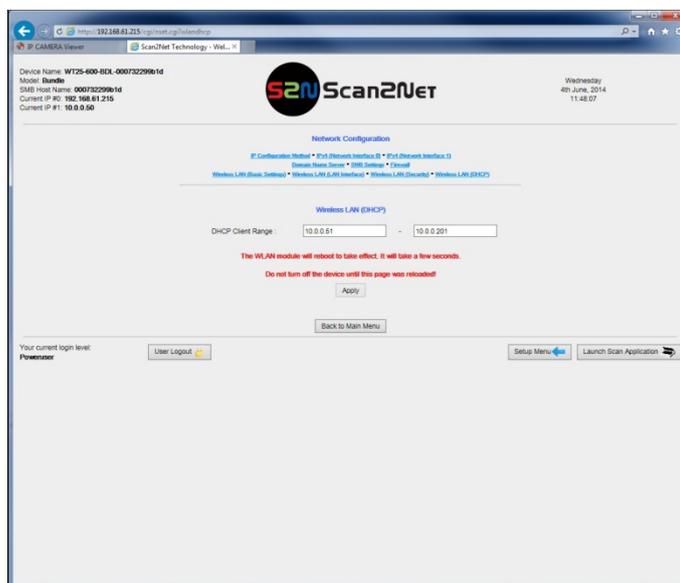
Enter a string as a pre-shared key here.

After modifying the parameters, click the **Apply** button to transfer the settings to the scanner.

D.3.2.10 Wireless LAN (DHCP)

Use the function **Wireless LAN (DHCP)** to define the range of IP addresses that can be used by the WLAN module for DHCP access.

Note: This menu is displayed only if a WLAN module is installed and if the settings for **IPv4 (Network Interface 1)** and **Wireless LAN (LAN Interface)** fit together.



Picture 50: Wireless LAN (DHCP)

Click in the corresponding fields and enter the start IP address and the end IP address to define the address range that can be used.

IP addresses between start address and end address are automatically assigned by the WLAN module.

After modifying the parameters, click the **Apply** button to transfer the settings to the scanner.

D.3.3 Adjust Time & Date

The section **Adjust Time & Date** is divided into four subsections.

The **Adjust Time & Date** start screen is the **Manual Adjustment** screen. The following description starts with the **Time Format** screen.

To set the time correctly for the scanner, execute the adjustments in the following order.

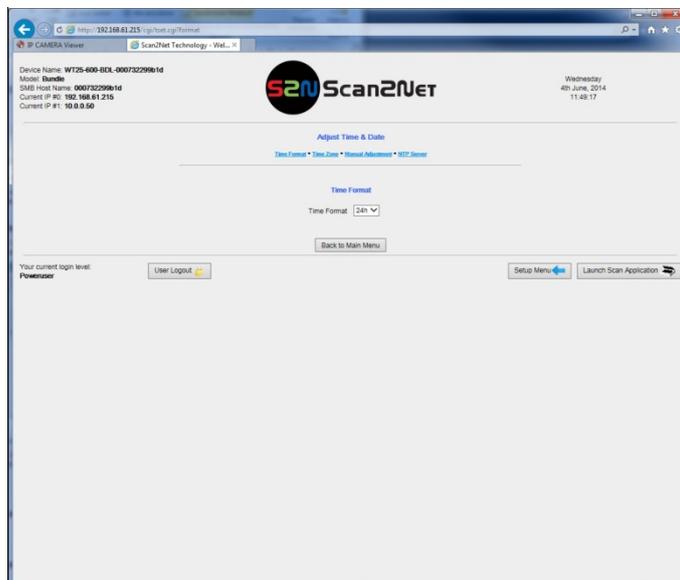
Select the time zone. See chapter D.3.3.2.

Set your local time with the manual adjustment. See chapter D.3.3.3.

Establish a connection to an NTP server. See chapter D.3.3.4.

D.3.3.1 Time Format

The time shown in the headline of the Scan2Net user interface can be displayed in either 12h or 24h format.



Picture 51: Time Format

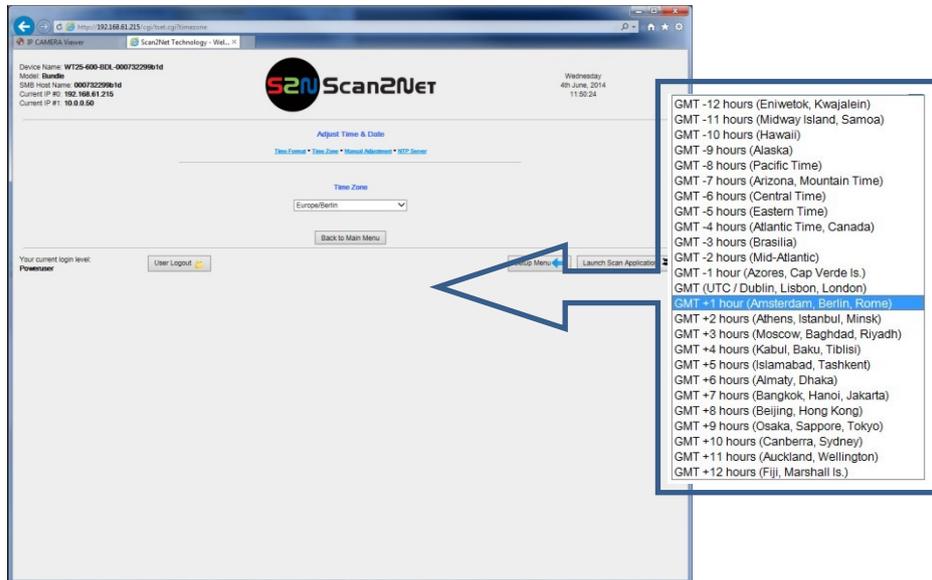
Click on the selection arrow and select the desired time format. The differences between 12h and 24h format are shown below.

Note: The screenshot cutouts were taken from a screen where German language was selected. Please note the differences in the last line.

	Time Format 12h	Time Format 24h
Display from 00:00 to 11:59	Dienstag 8. Oktober 2013 10:38:03 AM Uhr	Dienstag 8. Oktober 2013 10:38:21 Uhr
Display from 12:00 to 23:59	Dienstag 8. Oktober 2013 1:37:28 PM Uhr	Dienstag 8. Oktober 2013 13:37:05 Uhr

D.3.3.2 Time Zone

Use the function **Time Zone** to define the time zone for the internal clock of the scanner.



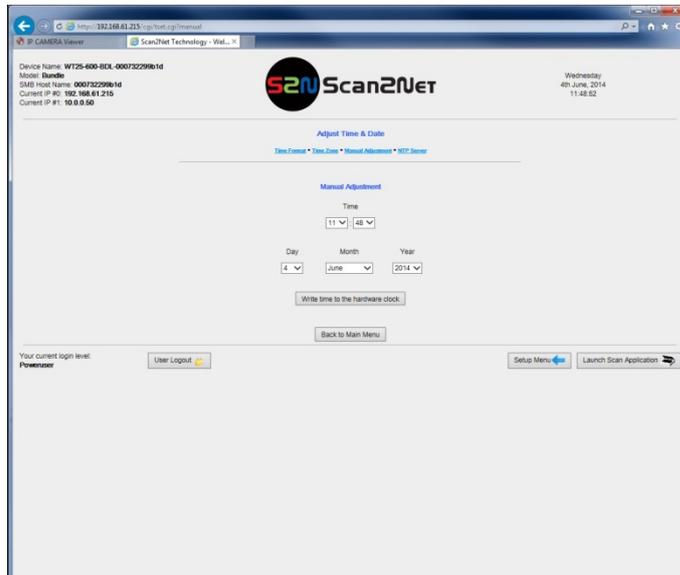
Picture 52: Time Zone screen

Click on the selection arrow. A list opens.

Select the desired time zone from the list. The list will close and the selected setting is effective immediately.

D.3.3.3 Manual Adjustment

Use the function **Manual Adjustment** to set time and date to be displayed in the headline of the Scan2Net user interface.



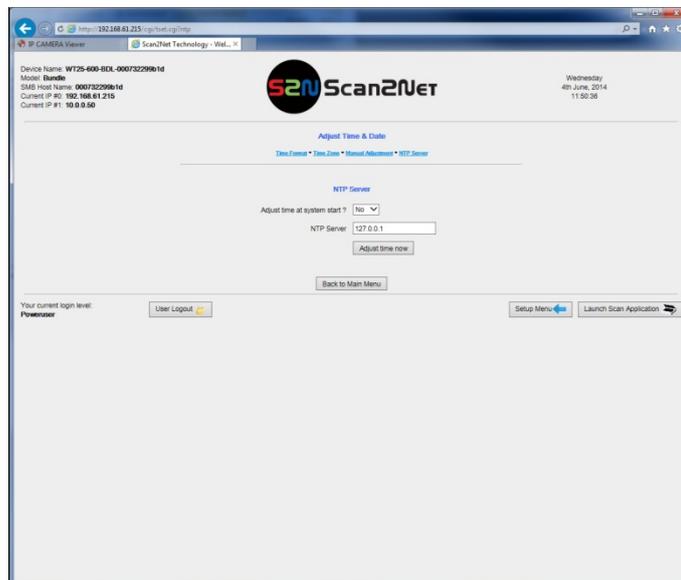
Picture 53: Manual Adjustment

To set a value, click on the selection arrow beside the respective value.

Select from the list. The new value will be transferred directly to the system clock and is displayed in the headline of the Scan2Net interface.

D.3.3.4 NTP Server

Use the function **NTP Server** to define the address of time server.



Picture 54: NTP Server setting

To connect to a NTP server, the scanner must have a connection to the internet.

Ask your network administrator for special information concerning your local network.

Enter the address of the NTP server in the line **NTP** server. It is a necessary requirement that your local network enables the scanner to connect with the internet.

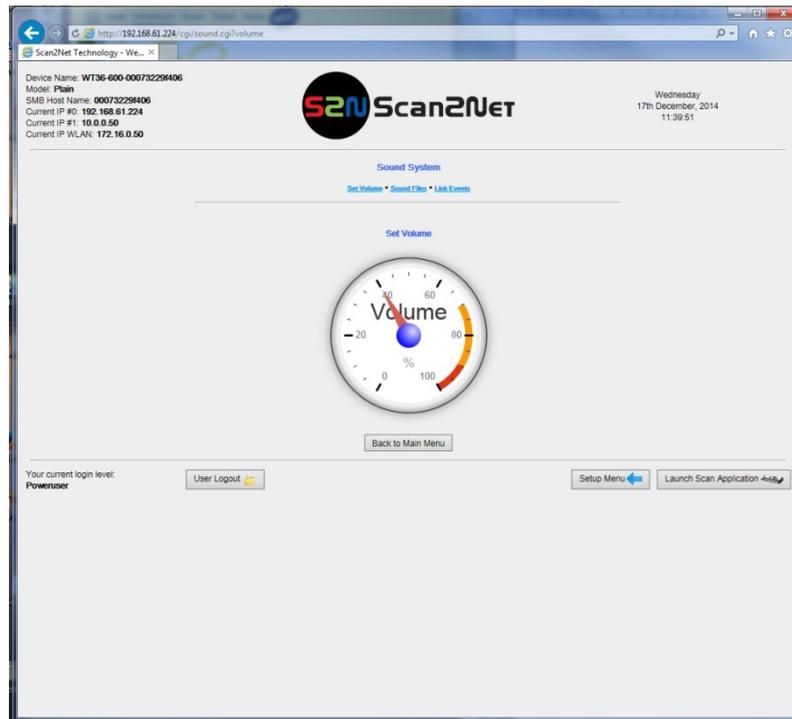
D.3.4 Sound System

The section **Sound System** is divided into three subsections.

The **Sound System** start screen is the **Set Volume** screen.

D.3.4.1 Set Volume

Use the function **Set Volume** to set the loudspeakers volume of the scanner.



Picture 55: Set Volume

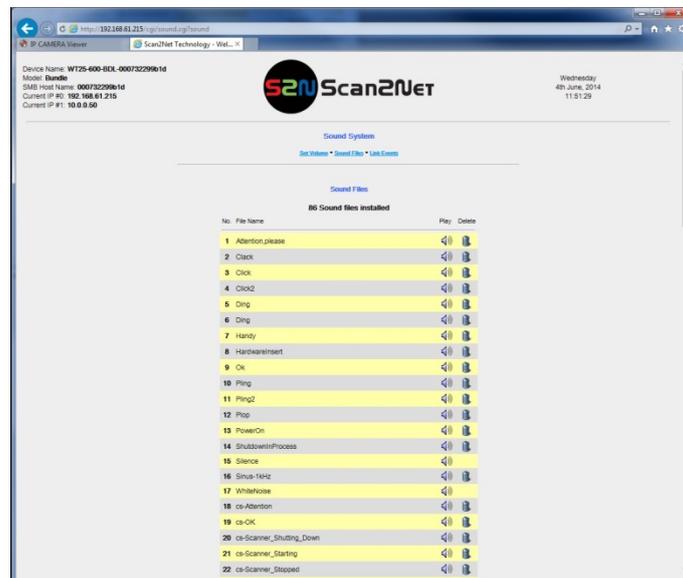
A screen opens and shows a graphic to symbolize the volume level.

Click at the scale to set the volume level or right-click with the mouse at the arrow and move it while holding the mouse button pressed to the desired value.

To return to the previous screen click the button **Back to Main Menu**.

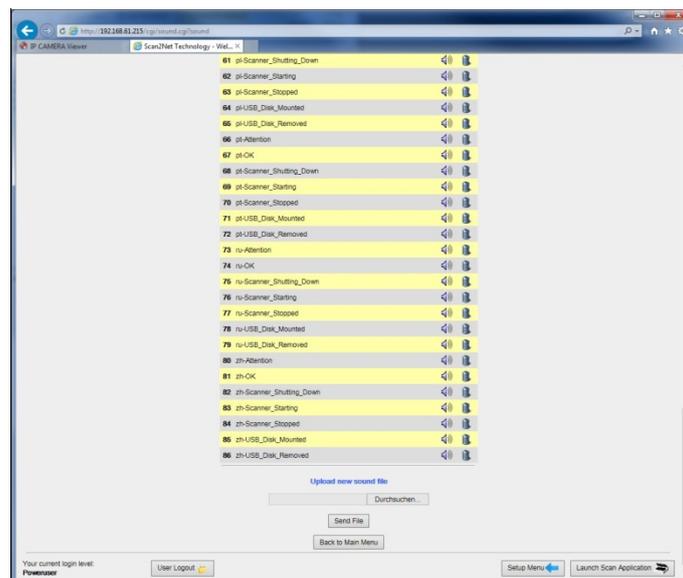
D.3.4.2 Sound Files

Use the function **Sound Files** to list the sounds which are linked to system events.



Picture 56: Sound Files list

Scroll to the bottom of the list to search and upload new sounds to the scanner.



Picture 57: Upload new sound files

Click the button **Search** to search the directories of your local PC and/or your network for sound files.

Click the button **Send File** to upload the selected file to the scanner. After uploading, the file will be displayed in the list.

Click on the trash can icon to delete the file.

D.3.4.3 Link Events

Use the function **Link Events** to change the sounds linked to system events.



Picture 58: Link Events list

The list of links contains thirteen events.

The sound file which is listed for each event is dependent on the language set for the scanner .

To identify the language of a sound file, an identifier can be added to the file name. For example “en” marks sound files in English language or “de” marks sound files in German language.

Independent from the language selected for the scanner, every sound file can be linked to every event.

Click on the selection arrow beside the sound file name. A list with all available sound files opens.

Select the desired sound file from the list.

Click on the loudspeaker symbol to play the sound.

D.3.5 Installed Options

The section **Install Options** shows all available options for the scanner.

After clicking on **Install Options** a screen opens and lists all options available for the scanner. Please be patient as it will take a moment to actualize the list.



Picture 59: Options List

To activate an option, a unique key must be entered. The key is valid only for one specific scanner and cannot be transferred to another scanner.

The software keys can be purchased in the Image Access Customer Service Portal. Visit the URL portal.imageaccess.de and enter the data for your scanner to get the available keys.

Enter the key in the respective line of the matching option.

Click **Apply**.

After activating an option, its color turns to “Green”, which indicates active options.

The list will be refreshed after transferring the key.

To deactivate an option, delete the key from the respective line.

Finally click **Apply**.

D.3.6 Templates

The section **Templates** contains all settings for the data output.

By clicking the links from [Remote Printer](#) to [LDAP Directory Service](#) the current settings for the respective output can be displayed.

The selected **Owner Filter** defines the number of templates for each link. Three entries in the **Owner Filter** are available (factory defaults).

All: Shows all available templates.

Self: Shows the templates available for the user who is currently logged in to the scanner.

Default: Shows the configurable outputs available as standard.

The following description of the templates uses the **Owner Filter** “All”.

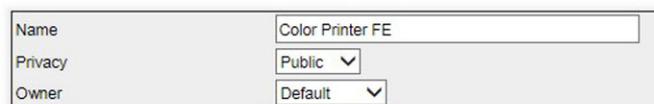
Please note: The picture could show more templates than installed at delivery.

To open the templates, just click the respective link.

Setup	Opens the parameters of the template.
Duplicate	Copies the template. The copy of the template will be saved with the extension “Copy of <template name> in the list of templates.
Delete	Deletes the selected template from the list.

Name, Privacy and Public

These field names are shown in every setting.



The image shows a form with three rows. The first row has a label 'Name' and a text input field containing 'Color Printer FE'. The second row has a label 'Privacy' and a dropdown menu with 'Public' selected. The third row has a label 'Owner' and a dropdown menu with 'Default' selected.

Picture 60: Selector for Name, Privacy and Owner

Name Enter the name for the template here.

Privacy Select the privacy level from the list. Available are:

Public Available for every user.

Private Only for users logged in to the scanner.

System Only for system function, used by the administrator

User Available for the currently logged in user.

Owner Select the name from the user list.

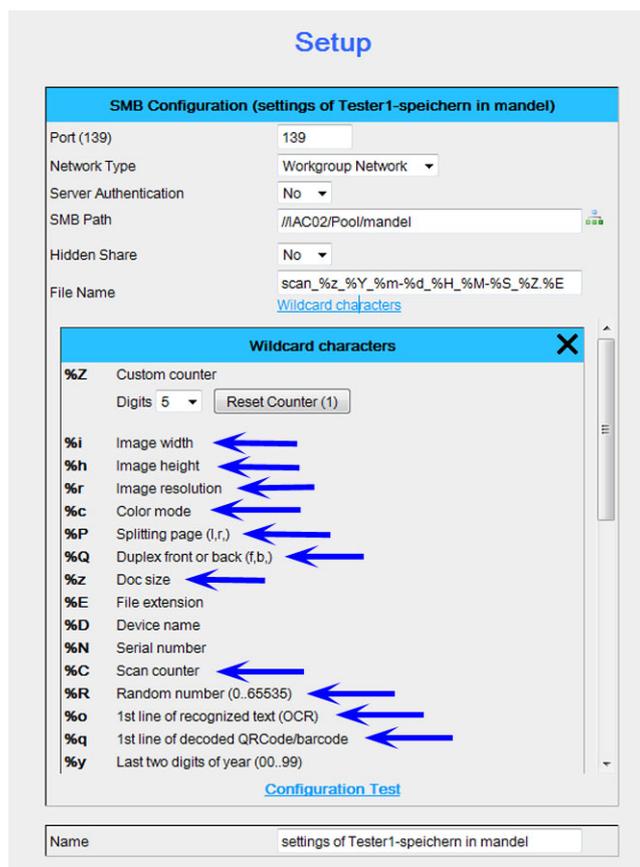
D.3.6.1 Exclusion of Wildcard Characters for Job Mode Scanning

Please note: Valid for firmware before Version 6.08.

The numbers of variables which can be used to create file names while scanning in job mode is limited.

When scanning in job mode, the information for some variables is taken from the last scanned image and is used for naming the selected images respectively the ZIP archive file.

Picture 61 shows a part of the list of variables. The arrows mark the variables which should not be used in job mode.



Picture 61: Excluded wildcard characters

The information contained in the file name is only valid for the last image but not for the images in a ZIP archive.

This limitation affects the settings in the following chapters:

D.3.6.3 FTP Server

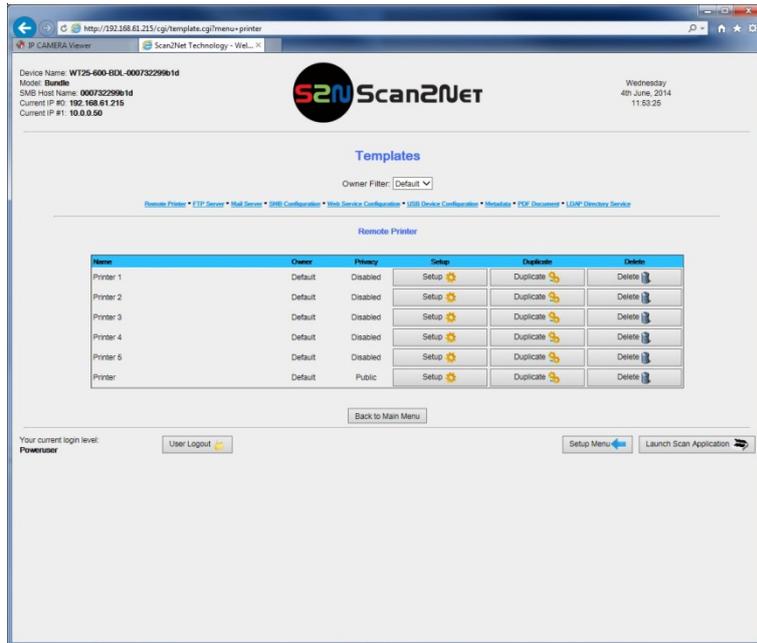
D.3.6.4 Mail Server

D.3.6.5 SMB Configuration

D.3.6.6 Web Service Configuration

D.3.6.7 USB Device Configuration

D.3.6.2 Remote Printer



Picture 62: Template list for remote printer

The data output **Remote Printer** sends the images after scanning to a previously defined network printer.

D.3.6.2.1 Setup

Picture 63: Remote printer parameters

Parameter	Description
Connection Type	Choose between IP Networking and SMB Printer Queue .
Address (with IP Networking only)	Enter the IP address of the printer.
Port (9100) (with IP Networking only)	Enter the IP port of the remote printer. Default is port 9100.
Connection Timeout (with IP Networking only)	Choose the timeout for connecting to the remote printer before the connection is aborted.
Port (139) (with SMB Printer Queue only)	Enter the IP port of the remote printer. Default is port 139.

Please note: Each change of an entry field is transferred to the scanner immediately.

Remote Printer, continued

Parameter	Description
Network Type (with SMB Printer Queue only)	Select Homegroup Network or Workgroup Network .
Password (with SMB Printer Queue → Homegroup Network only)	Enter the password for the Homegroup Network.
Server Authentication (with SMB Printer Queue → Workgroup Network only)	Select Yes or No .
Login (with SMB Printer Queue → Workgroup Network only)	If Server Authentication is set to Yes , enter the login here.
Password (with SMB Printer Queue only)	If Server Authentication is set to Yes , enter the password for the printer here.
SMB Path (with SMB Printer Queue only)	Enter the path of the directory where the printer is established.
Data Format 	Choose the data format of the remote printer. The supported formats are: <ul style="list-style-type: none"> • HP Color LaserJet Series • HP LaserJet Series • Postscript • Postscript (PJL) • HP DesignJet Series • Native Image Format (JPEG, TIFF, PDF) • Konica Minolta Bizhub Series • PDF (PJL) Changing the data format will change some of the options in this configuration window.
Data Compression (not with all Data Formats)	Select the data compression of the data to be sent to the printer.
Resolution (not with Native Image Format)	Select the printing resolution. If an exact 1:1 copy of the scanned document is required, the scanning resolution and printing resolution must match.
Paper Format (not with HP Design Jet, Native Image Format, PDF (PJL))	Choose the paper format for the output.
Fit to Page (with HP Color LaserJet Series / LaserJet/ DesignJet Series only)	Yes / No
Margins (1/10 mm) (with HP Color LaserJet Series / HP LaserJet Series only)	Add the size of the desired margins into the corresponding fields. Position the cursor with the mouse in the field and enter the value with the PC keyboard.

Remote Printer, continued

Parameter	Description
Duplex Print (not with HP DesignJet)	Switch on/off printing on both sides of a sheet (duplex).
Duplex Mode	Select between Book and Notepad . Book = binding at the wide side of the paper sheet Notepad = binding at the narrow side of the paper sheet
Paper Feed	Select the paper feed method for the remote printer. The menu content depends on the selected printer.
Roll Width (HP DesignJet Series)	Offers a list of paper widths.
Copies	Number of copies of each print

Printing Enhancement

Parameter	Description
Quality Level (with HP DesignJet Series only)	Toggle the printing quality from draft to high quality.
ICC Profile (not with all printer types)	Select the profile used for printing. The Poweruser level allows uploading printer ICC profiles to the scanner. Available profiles will be displayed in the list.
Color Matching (not with all printer types)	Select the color rendering method for the remote printer. Perceptual The printer uses the nearest matching colors of its own color space. Saturation: The printer uses the full range of its color space despite of the color definition of the scanned document. ICC Profile: Uses the ICC profile of the printer.
Resolution Enhancement (not with Postscript)	Select the resolution enhancement from the list.
Edge Antialiasing (not with all printer types)	Switch on/off printer featured edge anti aliasing.
Brightness (not with HP LaserJet Series)	Modify the brightness level of the print.
Contrast (not with HP LaserJet Series)	Modify the contrast level of the print.
Gamma (not with HP LaserJet Series)	Modify the gamma level of the print.

Please note: Each change to an entry field is transferred to the scanner immediately.

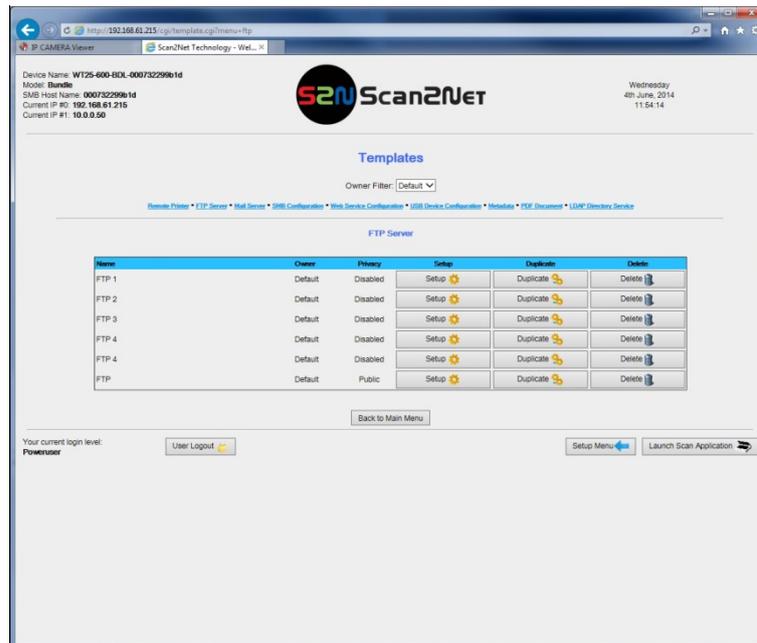
Accounting

Only available with **Konica Minolta Bizhub Series**

Parameter	Description
Accounting	Yes / No
Account Name	Enter the account name here.
Use Password	Yes / No
Account Password	Enter the password for the accounting here.
Hold Job	Yes / No
Job Type	Public / Private
Hold Key	Enter the hold key here.
Job ID	Enter the ID for the job here.

Please note: Each change to an entry field is transferred to the scanner immediately.

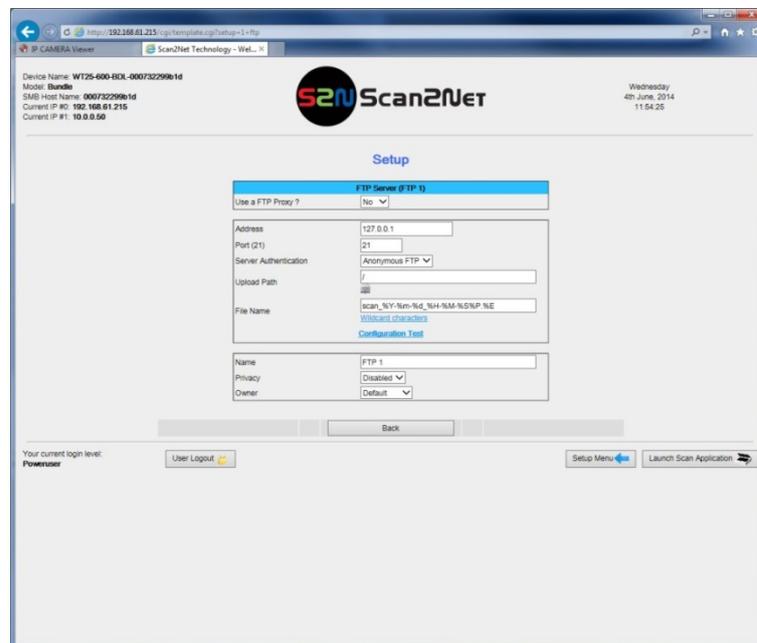
D.3.6.3 FTP Server



Picture 64: Template list for FTP Server

The data output **FTP Server** sends the images to a previously defined FTP server after scanning.

D.3.6.3.1 Setup



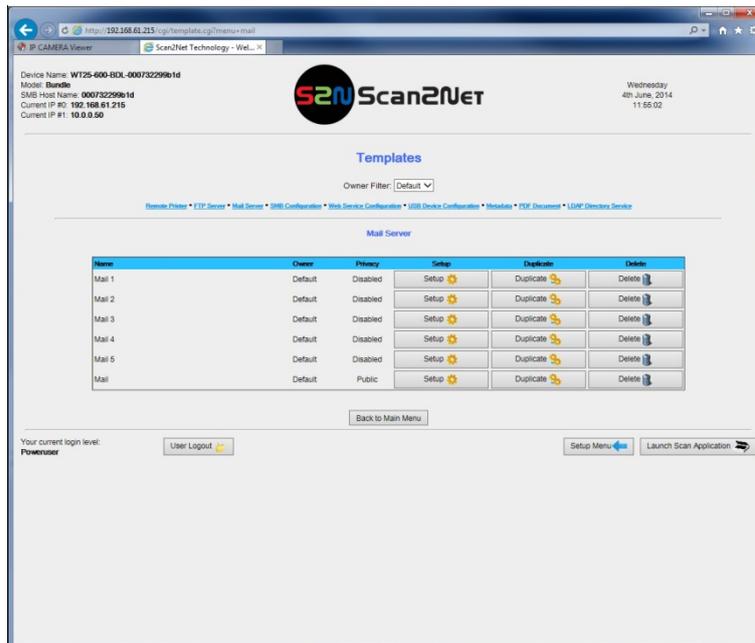
Picture 65: FTP server parameters

Parameter	Description
Use an FTP Proxy?	Switch on/off the use of an FTP proxy for connecting to a remote FTP server outside the local network.
FTP Proxy Address	Specify the IP address of the FTP proxy.
Port (if FTP Proxy = Yes)	Specify the IP port of the FTP proxy.
Address	Enter the IP address of the remote FTP server.
Port (21)	Enter the IP port of the remote FTP server. Default is port 21.
Server Authentication	Select the authentication method.
Login (not with "Anonymous FTP")	Enter the login name.
Password (not with "Anonymous FTP")	Enter the password for the login at the remote FTP server. The password is stored using encryption.
Upload Path	Enter the upload path on the remote FTP server, starting with / (root). Click on the icon, to browse the directory structure of the remote FTP server. Note: You must have a valid login for browsing the directory structure.
File name	Enter the desired file name. Variables can be used to define the file name. To learn more about the available variables click on Wildcard characters .

Configuration Test: Click this link to test the settings. A separate window will open, showing the results of the test.

Please note: Each change to an entry field is transferred to the scanner immediately.

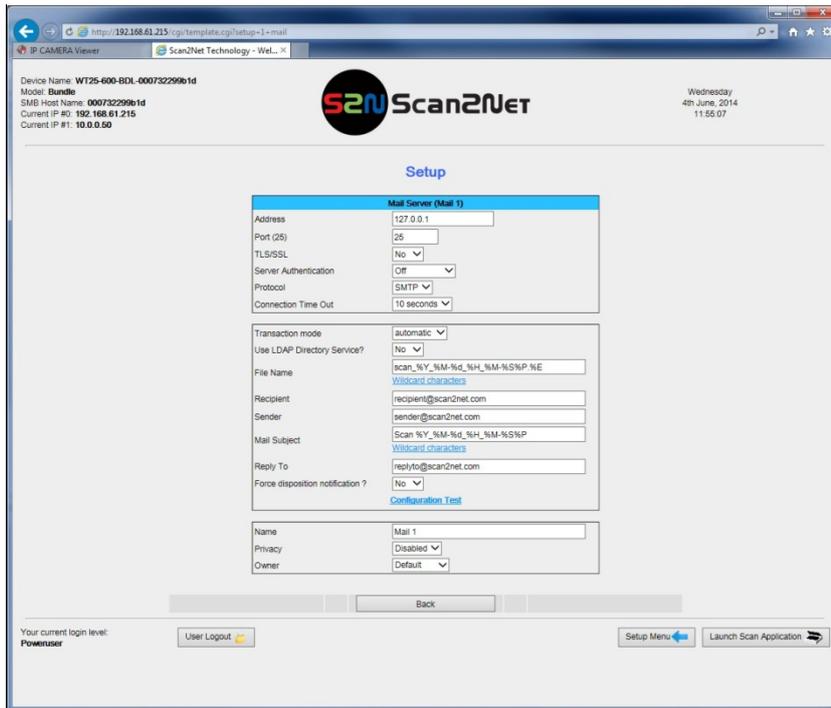
D.3.6.4 Mail Server



Picture 66: Template list for mail server

The data output **Mail Server** sends the images after scanning via e-mail.

D.3.6.4.1 Setup



Picture 67: Mail server parameters

Parameter	Description
Address	Enter the IP address of the outgoing mail (SMTP/LMTP) server.
Port (25)	Enter the IP Port of the outgoing mail server. Default: Port 25.
TLS/SSL	Select Yes if the SSL protocol should be used for the mail transfer.
Server Authentication	Set to YES if the mail server requires an authentication.
Login (if Server Authentication is set to Yes)	Enter the user name for authentication at the outgoing mail server.
Password	Enter the password for authentication at the outgoing mail server. The password is stored using encryption.
Protocol	Choose the connection protocol. SMTP is the most common protocol.
Connection Time Out	Choose the timeout for connecting to the outgoing mail server before the connection is aborted.

Parameter	Description
Transaction mode	automatic / interactive
Use LDAP Directory Service?	LDAP directory service can be used to send the mails. To configure the parameters click on the link Options .

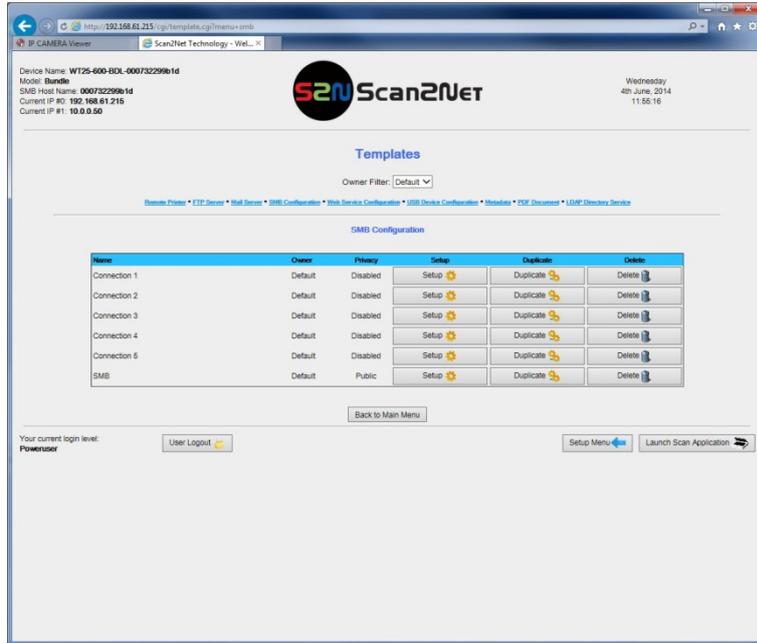
The following parameters will be displayed if the “Transaction mode” is set to **automatic**.

File Name	Enter the file name. Variables can be used to complete the file name. To learn more about the variables, click on the link Wildcard characters .
Recipient	Type in the recipient of the e-mail. Format: fully qualified e-mail address.
Sender	Type in the sender of the e-mail. Format: fully qualified e-mail address.
Mail Subject	Type in the e-mail subject. (Optional) Variables can be added to the mail subject. To learn more about the variables, click on the link Wildcard characters .
Reply To	Type in a reply address for answers. (Optional) Format: fully qualified e-mail address.
Force disposition notification?	Request a notification when the recipient has opened the mail. Note: This feature is not supported by all mail servers or clients.

[Configuration Test](#): Click on this link to test the settings. A separate window will open and shows the test results.

Please note: Each change to an entry field is transferred to the scanner immediately.

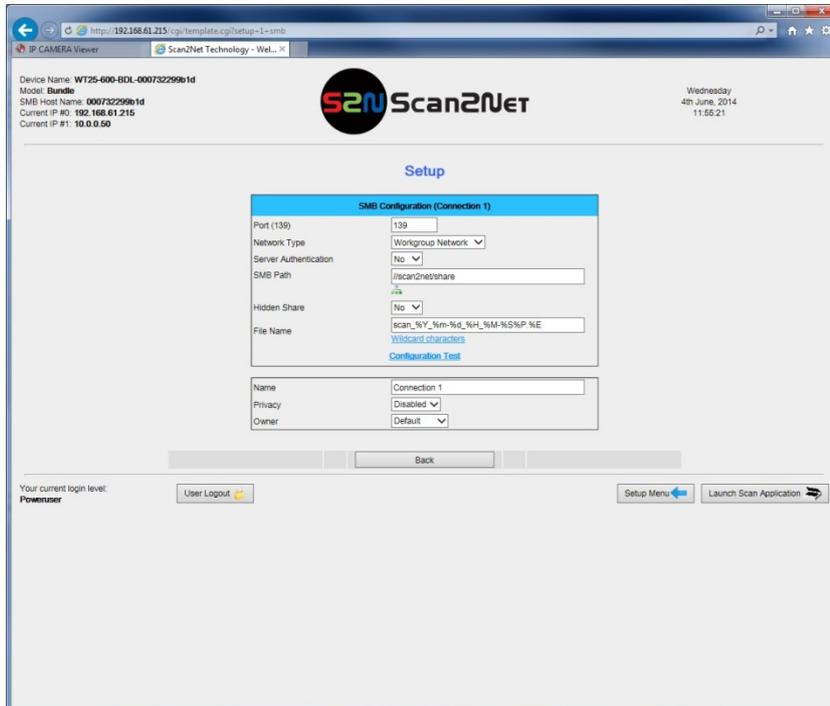
D.3.6.5 SMB Configuration



Picture 68: Template list for SMB configuration

The data output **SMB** sends the images directly to a network directory.

D.3.6.5.1 Setup



Picture 69: SMB configuration parameters

Parameter	Description
Port (139)	Enter the IP port for the SMB network communication. Default is port 139.
Network Type	Select between Workgroup Network and Homegroup Network . For detailed information about the correct network type ask your network administrator.
Server Authentication (only with Workgroup Network)	Select the authentication method. Set to YES if an authentication is required.
Login	Enter the user name on the Windows workstation/file server which you want to connect to.
Password	Enter the password associated with the user name on the Windows workstation/file server which you want to connect to. The password is stored using encryption.
SMB Path	Enter the upload path on the Windows workstation. Start with a double slash (//) for the root directory. Click the icon to browse the workstation/server list and the directory structure of the Windows workstation/file server. Note: A valid login for browsing the directory structure is necessary.
Hidden Share	Select Yes or No .
File Name	Enter the file name. A time stamp will be added to this prefix to form the complete file name.

[Configuration Test:](#) Click on this link to test the settings. A separate window will open and shows the test results.

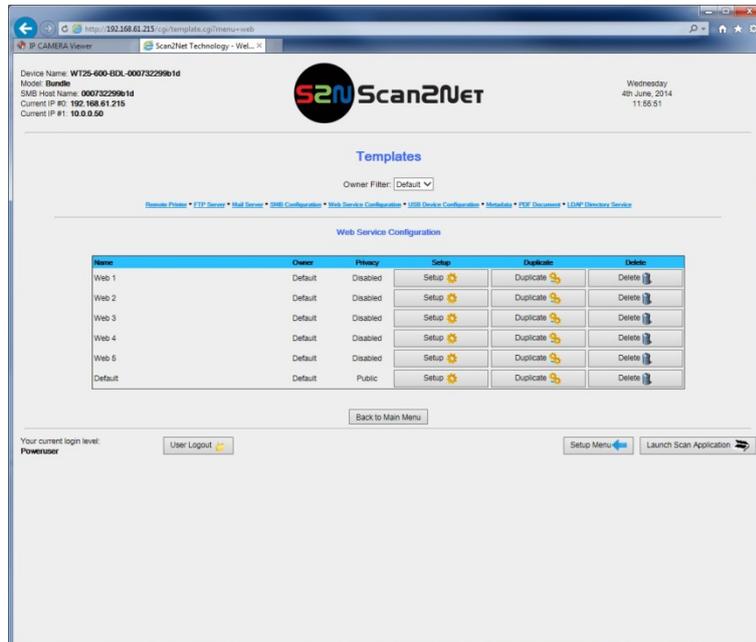
Please note: Each change to an entry field is transferred to the scanner immediately.

D.3.6.6 Web Service Configuration

This option allows the user to store its files and images in the Cloud.

The “Cloud” is an IT infrastructure in which a service provider offers computing power or storage space on their servers via a network. The data is no longer stored locally on the computer but on a remote system.

Access to the remote systems is realized using the internet.



Picture 70: Template list for Web Service Configuration

D.3.6.6.1 Setup

Device Name: WT25-600-BDL-000732299b1d
 Model: Bundle
 SMB Host Name: 000732299b1d
 Current IP #0: 192.168.61.215
 Current IP #1: 10.0.0.50

Wednesday
 4th June, 2014
 11:55:57

Setup

Web Service Configuration (Web 1)

Use a Proxy? No

Web Service WebDAV

Server URL http://127.0.0.1

Port 80

Login

Password

Collection

File Name scan_%Y-%m-%d_%H-%M-%S%P.%E
[Wildcard characters](#)
[Configuration Test](#)

Name Web 1

Privacy Disabled

Owner Default

Back

Your current login level: **Powertuser** User Logout

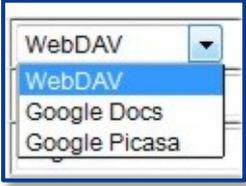
Setup Menu Launch Scan Application

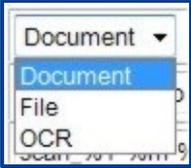
Picture 71: Web Service parameters

Parameter

Description

Parameter	Description
Use a Proxy?	Switch on/off the use of a proxy for connecting to a remote server outside the local network.
Proxy Address	Specify the IP address of the proxy.
HTTP Proxy Port	Enter the port for HTTP communication.
HTTPS Proxy Port	Enter the Port for HTTPS communication.
Proxy Authentication	Select Yes if an authentication should be used.
Proxy User	Enter here the user name for using the proxy.
Proxy Password	Enter here the Proxy password.

Parameter	Description
Web Service 	Select the web service where the data should be stored from the list. Available are: <ul style="list-style-type: none"> • WebDAV • Google Drive • Google Picasa • Post Method Depending on the selected web service the next parameters will vary.
Server URL <small>(only with WebDAV and Post Methode)</small>	Click on the selection arrow and select the protocol. Enter the server URL.
Port <small>(only with WebDAV and Post Methode)</small>	Default with http : 80 Default with https : 443 The value can vary depending on the network structure.
Login <small>(With Post Methode only if Authentication = Yes)</small>	Enter your login for the selected web service.
Password	Enter your password

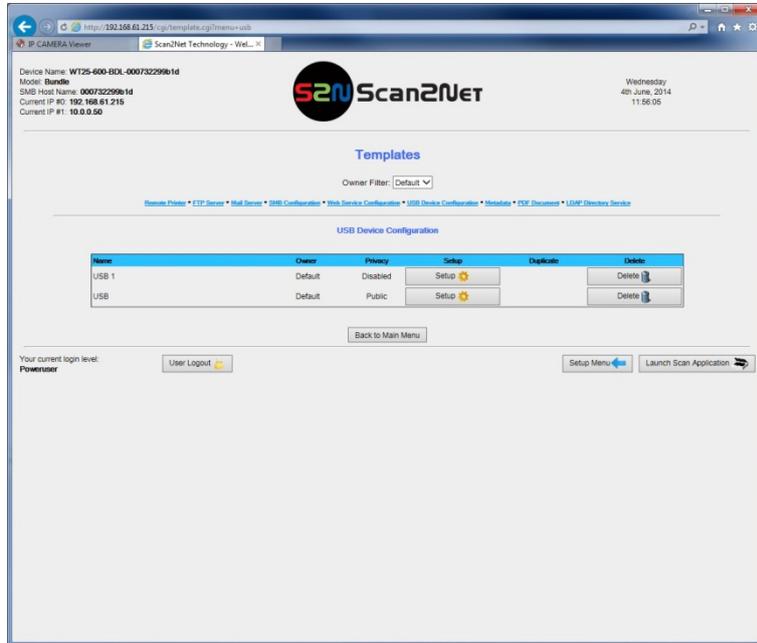
Parameter	Description
Collection (only with WebDAV)	Enter the name of the directory where the files should be stored.
Upload Mode (only with Google Drive) 	<p>Select the data format. Currently the file size for the data format “Document” and “File” is limited to 1 MB.</p> <p>If “Document” is selected, a new document will be opened and the image will be imported into the document.</p> <p>If “File” is selected, the image will be stored as it is.</p> <p>If “OCR” is selected, the document will be examined by an OCR algorithm and the result will be saved. This function is currently in beta status.</p>
Subfolder (only with Google Drive)	Select the subfolder where the images should be stored.
Web Album (only with Google Picasa)	Select an album in your Google Picasa account where the images should be stored.
File Name	Enter the desired file name. Variables can be used to define the file name. To learn more about the available variables click on Wildcard characters .

[Configuration Test](#): Click on this link to test the settings. A separate window will open and shows the test results.

Please note: Each change to an entry field is transferred to the scanner immediately.

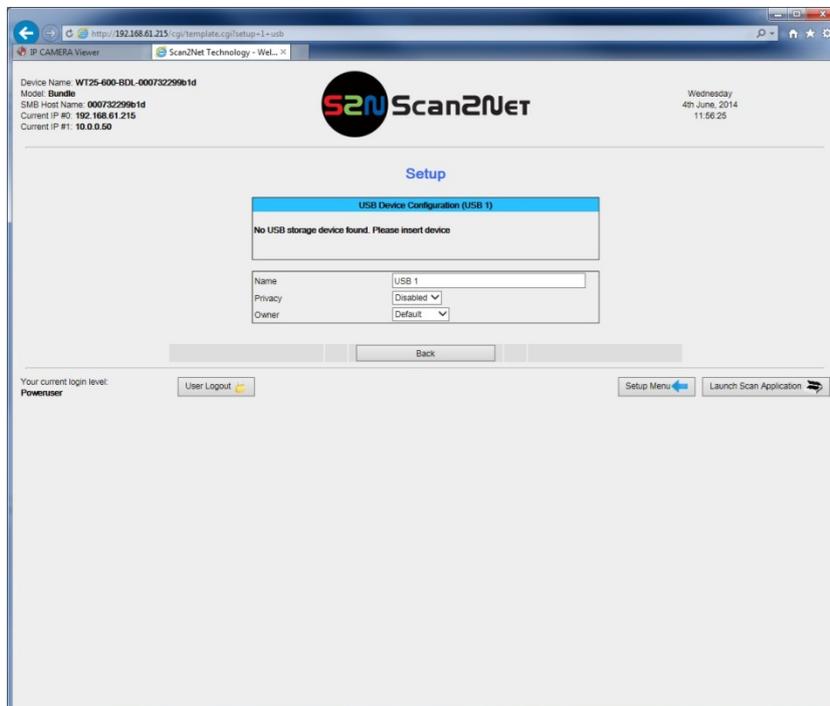
D.3.6.7 USB Device Configuration

Universal Serial Bus (USB) is a serial bus standard for interface devices, e.g. storage devices. The output option USB enables direct scanning to a USB Standard-A flash memory data storage device.



Picture 72: Template list for USB device

D.3.6.7.1 Setup



Picture 73: USB device parameters

Note: A USB device must be connected to one of the two USB connectors at the front side of the scanner to get list displayed in Picture 73.

Parameter	Description
Partition	Shows the status and available memory of the mounted partition on the connected USB flash device.
Directory	Allows the user to choose a subdirectory on the connected USB drive for storing the scans.
File name	Shows the current setting of wildcard characters for the automated naming scheme of each produced image file.

[Configuration Test](#): Click on this link to test the settings. A separate window will open and shows the test results.

Please note: Each change to an entry field is transferred to the scanner immediately.

D.3.6.7.2 List of suitable USB storage media

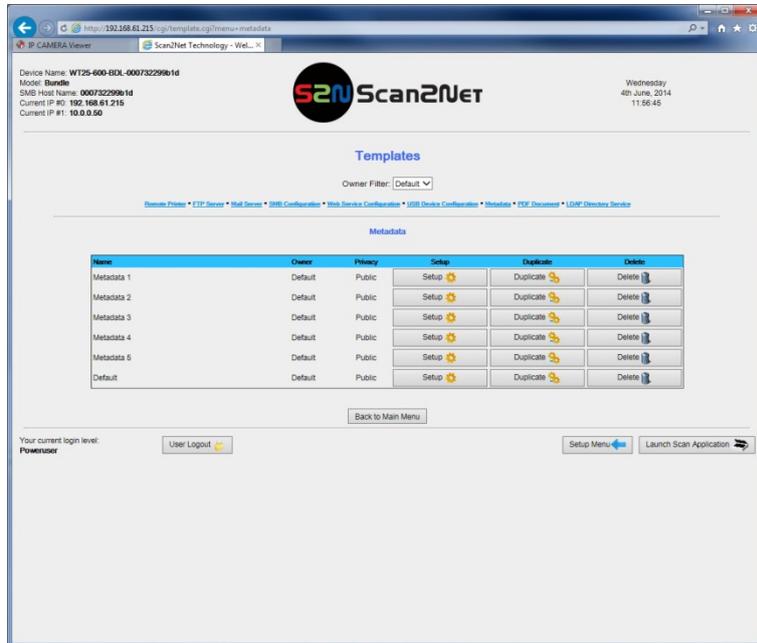
The criteria in the following list have been defined as a guide line for the storage media that can be connected to the USB connectors.

- USB memory sticks,
- USB hard disks,
- USB hard disks without partition, with one or with multiple partitions, formatted with the file systems UDF, FAT, FAT16, VFAT, FAT32, NTFS, EXT2, EXT3 or ReiserFS

The file system EXT4, BTRFS, UFS, ZFS or exFAT currently are not supported.

D.3.6.8 Metadata

The metadata contains information about the scanned document. The metadata will be included into the file attributes of the file header.



Picture 74: Template list for metadata

D.3.6.8.1 Setup

The screenshot shows a web browser window with the URL <http://192.168.61.215/cgi/template.cgi?setup-L=metadata>. The page title is "Setup" and it is for "Embedded Metadata (PDF/A3M Specification) (Metadata 1)". The device name is "W125-600-BDL-000732299b1d". The current IP is "192.168.61.215". The page contains the following fields:

- Author: Scan2Net
- Title: Scanned by Scan2Net
- Subject: Scanned Document
- Copyright Marker: No
- Copyright Information: This document is protected by copyright
- URL of extended Copyright Information: http://www.scan2net.com
- Keywords (comma separated list): Scan2Net, s2n
- Name: Metadata 1
- Privacy: Public
- Owner: Default

At the bottom, there is a "Back" button and a "User Logout" button. The current login level is "Poweruser".

Picture 75: Metadata parameters

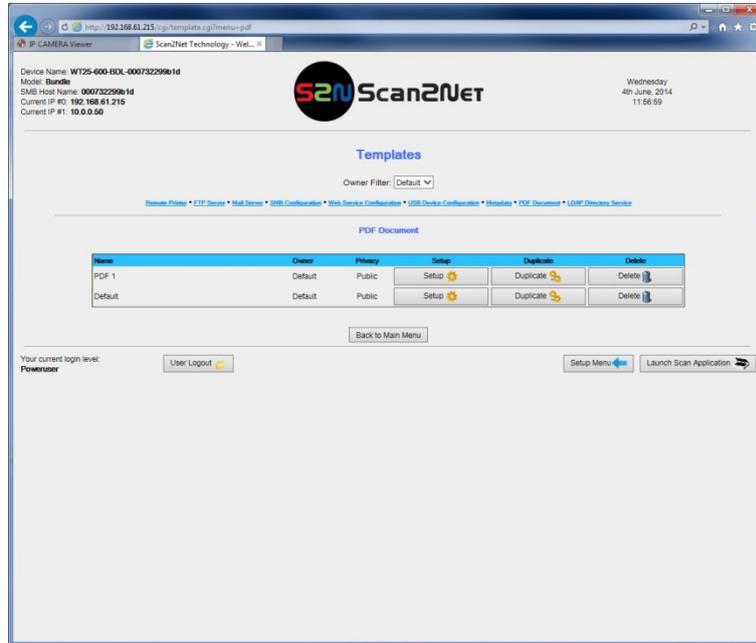
Parameter	Description
Author	The name or organization creating the document or the copyright owner of the document.
Title	A short title for the scanned document.
Subject	Abstract of the document.
Copyright Marker	Select if the scanned document is copyright protected.
Copyright Information	The copyright message can be entered here. This message will only be embedded in the scanned document if the copyright marker is set to yes.
URL of extended Copyright Information	An external URL which shows a detailed copyright message.
Keywords (comma separated list)	A list of comma separated keywords which describe the content of the document.

Please note: Each change to an entry field is transferred to the scanner immediately.

D.3.6.9 PDF Document

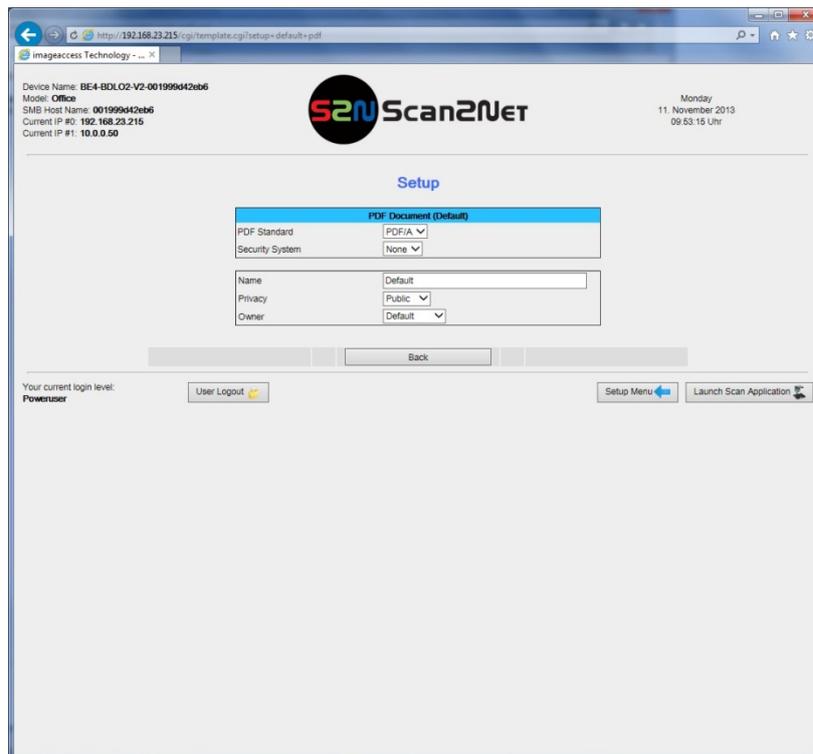
The PDF document format is a universal format which allows protecting the document against manipulation.

PDF documents can be displayed with all common PDF viewers.



Picture 76: Template list for PDF document

D.3.6.9.1 Setup



Picture 77: PDF document parameters

Parameter	Description
PDF Standard	Click the selection arrow and select the desired PDF standard from the list
Security System	Click the selection arrow and the desired security system from the list.

D.3.6.10.1 Setup

The screenshot shows the Scan2Net web interface for configuring LDAP Directory Service (LDAP 1). The interface includes a header with the Scan2Net logo and device information (Device Name: W125-600-BDL-000732299b1d, Model: Bundle, SMB Host Name: 000732299b1d, Current IP #0: 192.168.61.215, Current IP #1: 10.0.0.50). The main content area is titled 'Setup' and contains the following configuration fields:

- LDAP Server: 127.0.0.1
- Port (389): 389
- Protocol Version: LDAP Version 3
- Server Authentication: No
- BaseDN: ou=People,dc=Organisation,dc=com
- Base: This Object
- Search String: (mail=*)
- Name: LDAP 1
- Privacy: Disabled
- Owner: Default

At the bottom of the form, there is a 'Back' button. Below the form, the user's current login level is 'Poweruser', and there are buttons for 'User Logout', 'Setup Menu', and 'Launch Scan Application'.

Picture 79: LDAP directory parameters

Parameter	Description
LDAP Server	Enter the address of the LDAP server.
Port (389)	Enter the port to be used for the connection. Standard is port 389
Protocol Version	LDAP Version 2 / LDAP Version 3
Server Authentication	Yes / No
Bind (with Server Authentication = Yes)	Enter the desired value.
Password (with Server Authentication = Yes)	Enter the password.
BaseDN	Enter the desired value here.
Base	Click the selection arrow and select from the list.
Search String	Enter the search string.

Please note: Each change to an entry field is transferred to the scanner immediately.

D.4 Updates & Uploads

In the section [Updates & Uploads](#) several updates can be initiated, screensavers can be defined and installed and Java applications can also be installed. The PDF cover sheet can be uploaded and activated here as well.

D.4.1 Update Scanner Firmware

Upload a new firmware version to the scanner.

The Image Access Customer Service Portal (CSP) at portal.imageaccess.de offers firmware updates for every Scan2Net scanner. In order to download the appropriate firmware version update for your scanner, you must be a registered user. Log in to the CSP with your personal login name and password.

Select **Actions** → **S2N Device Updates** to download the current firmware version.

Follow the steps described on the website. Download the ZIP file of the current firmware version to your local PC.

Important: **Never unpack the “tar” archive file!**
Always send the complete ZIP archive to the scanner!

Click [Update Scanner Firmware](#). The following screen opens.



Picture 80: Update Scanner Firmware

In the **Update Scanner Firmware** screen (see Picture 80) click on the selection arrow beside “Post update behavior”.



Select **Reboot** from the list. This will restart the scanner automatically after the firmware update sequence is completed.

Browse your local PC and select the previously downloaded firmware update file.

Click the button **Send File** to transfer the selected firmware file to the scanner.

Important: **Do not switch off** the scanner while executing the firmware update!

Transferring the firmware file can take a couple of minutes, depending on the network performance. While the update is running, no messages will be displayed on the screen.

After the firmware is successfully updated, the screen displays a summary.

To finalize the update process, the scanner must be rebooted. This is done automatically if **Post Update Behavior** is set to **Reboot**.

If **Shutdown** is selected, the scanner powers down at the end of the firmware update.

When restarting after a firmware update, the scanner reboots with factory default settings.

Note: A white balance adjustment must always be executed after a firmware update.

See chapter C.1 for more information about the White Balance adjustment.

All installed options will remain active.

D.4.2 ICC Profiles

The section **ICC Profiles** is divided into the subsections **Scanner Profile**, **Monitor Profiles**, and **Printer Profiles**.

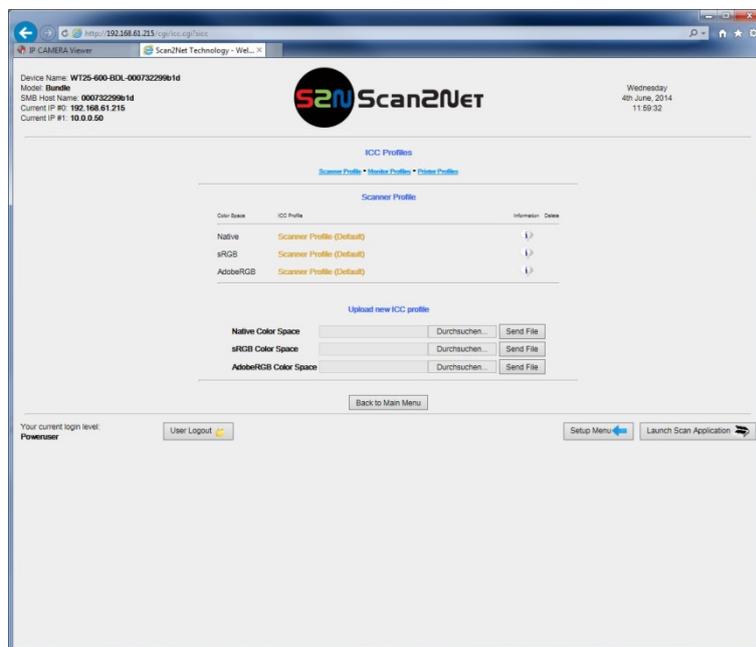
ICC profiles are integrated in the image file data.

First, download the respective ICC profile for the device to your local PC.

D.4.2.1 Scanner Profile

The ICC profile loaded at **Scanner Profile** adapts the color space between scanner and image editing software.

Select **Scanner Profile** to upload an ICC profile to the scanner.



Picture 81: Scanner profile

Existing ICC profiles will be listed.



Click this symbol to get information about the ICC profile.

Search

Click the button to search the directories of your local PC and/or your network for ICC profile files.

Send File

Click the button to load the selected file to the scanner.

After uploading, the ICC profile will be displayed.

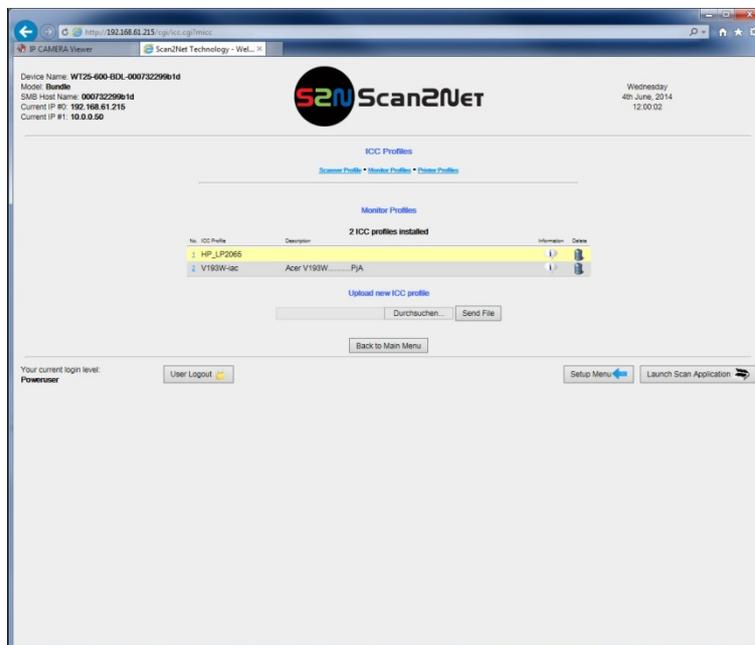
Activating the ICC profile:

Select **Embedded ICC Profiles = Yes** in the user interface.

D.4.2.2 Monitor Profiles

The ICC profile will be adapted to the image data displayed at the external monitor of the scanner.

Select **Monitor Profiles** to upload an ICC profile for the external monitor.



Picture 82: Monitor profiles

Existing monitor profiles will be listed.



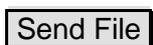
Click this symbol to get information about the monitor profile.



Click this symbol to delete an existing profile.



Click the button to search the directories of your local PC and/or your network for ICC profile files.



Click the button to load the selected file to the scanner.

After uploading, the ICC profile will be displayed.

D.4.2.2.1 Selecting the ICC profile to be used

Select section **User Settings**, function **Display** (see chapter D.3.1.1) and select the ICC profile as described.

D.4.2.2.2 Activating the ICC profile

To activate the ICC profile for the external monitor, select the menu **Viewer & Job Control** in the touchscreen and mark the checkbox for the **ICC Profile**.



Picture 83: Touchscreen menu, ICC profile selected

D.4.2.3 Printer Profiles

The ICC profiles for printers adapt the color space of the scanner to the color space of the printer used with the scanner.

Select **Printer Profiles** to upload an ICC printer profile.



Picture 84: Printer Profiles

Existing printer profiles will be listed.



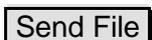
Click this symbol to get information about the printer profile.



Click this symbol to delete an existing profile.



Click the button to search the directories of your local PC and/or your network for ICC profile files.



Click the button to load the selected file to the scanner.

After uploading, the printer profiles will be displayed.

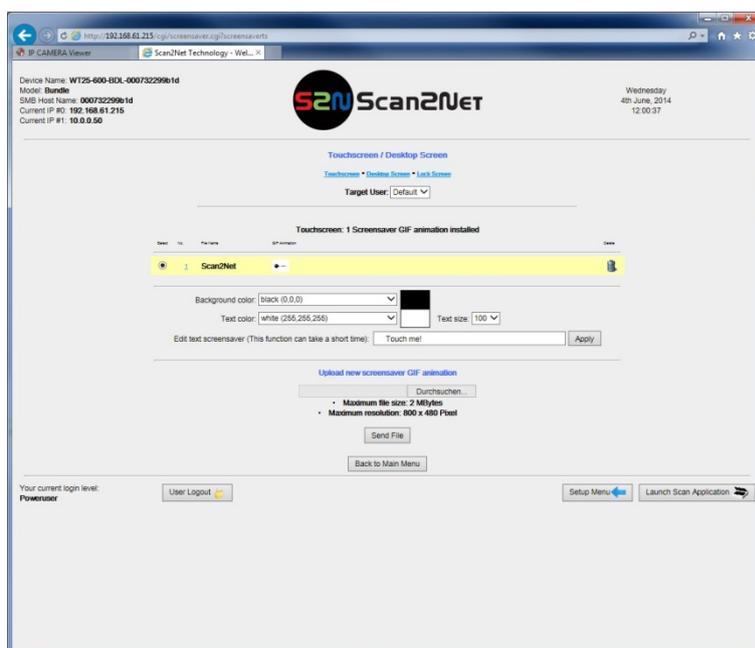
D.4.3 Touchscreen / Desktop

These functions are temporarily not available.

This section is divided in the subsections **Touchscreen**, **Desktop** and **Lock Screen**.

D.4.3.1 Touchscreen

This section allows installing a screensaver for the touchscreen. GIF animations are suitable as screensavers for the touchscreen.



Picture 85: Touchscreen screensaver

The installed screensavers are listed.



To delete a screensaver, click on the “Delete” symbol at the right side of the line.

Background color: Click on the selection arrow to open the list of available colors. Select the desired background color from the list with a mouse click.

Text color: Click on the selection arrow to open the list of available colors. Select the desired text color from the list with a mouse click.

Text size: Click on the selection arrow to open the list of available sizes from 50 to 400. Select with a mouse click.

Edit text screensaver: Enter the desired text here.
Click on **Apply** to transfer the text to the scanner.

Upload new screensaver GIF animation Click the **Search** button to search the directories of your local PC and/or your network for a suitable file.

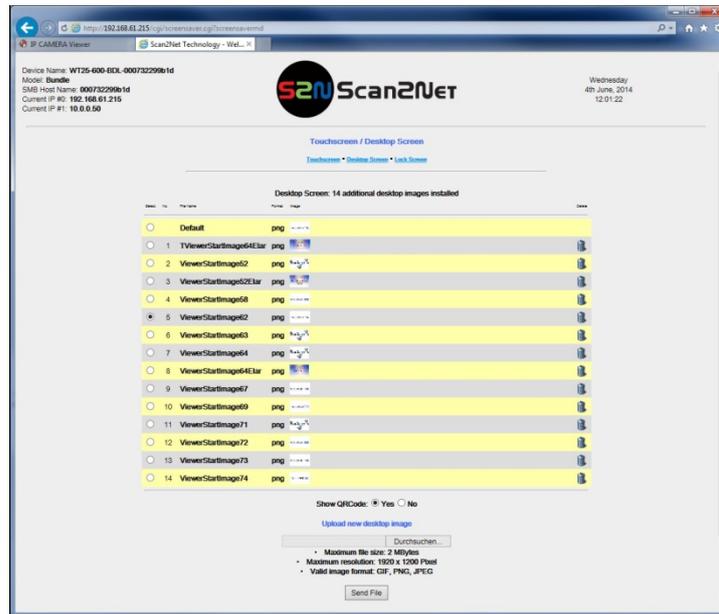
Click on **Send File** to transfer the selected file to the scanner.

A message signalizes the end of the upload sequence.

To activate the changes, restart the scanner.

D.4.3.2 Desktop Screen

This section allows the operator to install desktop images for the external monitor.



Picture 86: Desktop screensaver list

The installed desktop images are listed on the screen.



To delete a desktop image, click on the “Delete” symbol at the right side of the line.

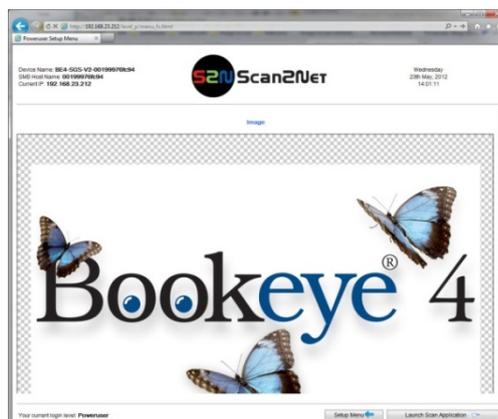
Upload new desktop image

Click the **Search** button to search the directories of your local PC and/or your network for a suitable file.

Click on **Send File** to transfer the selected file to the scanner.

A message signalizes the end of the upload sequence.

To see the available desktop image in detail, click on the preview image in the column “Image”. This shows the image in full size.



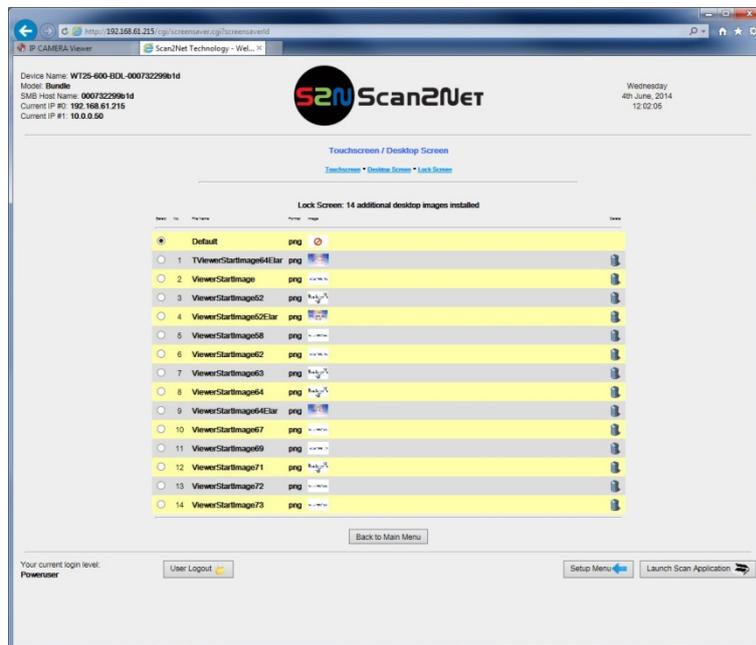
Picture 87: Preview of desktop image

Scroll to the bottom of the window and click on **Back to Touchscreen / Desktop Menu** to return to the previous screen.

To activate the changes, restart the scanner.

D.4.3.3 Lock Screen

This section allows the operator to select an image for the lock screen.



Picture 88: Lock screen images list

The installed lock screen images are listed on the screen.



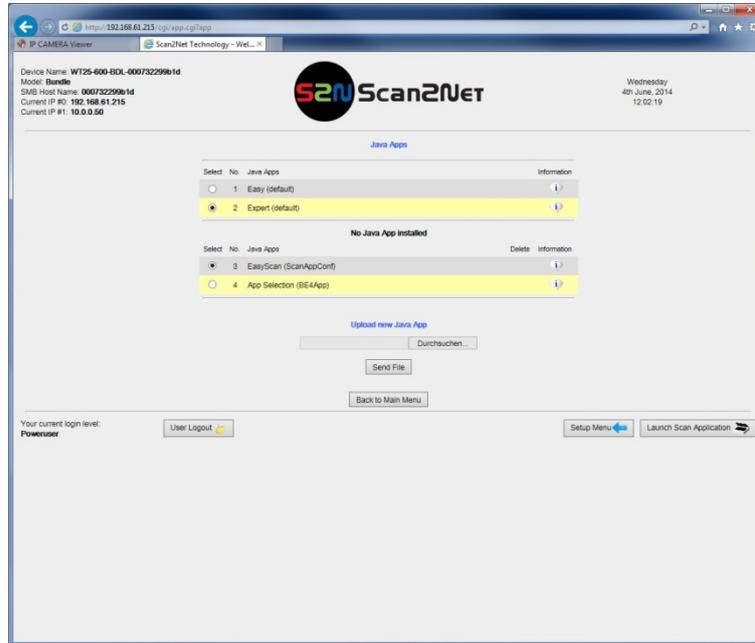
To delete an image, click on the “Delete” symbol at the right side of the line.

To select an image, click on the radio button in the column titled “Select”.

To see the available image in detail, click on the preview image in the column “Image”. This shows the image in full size.

D.4.4 Java Apps

This section enables installing and selecting Java applications for special user-defined tasks.



Picture 89: Java Apps

The installed Java Apps are listed on the screen.



For information about the Java App, click on the information symbol in the line of the Java App.



To delete a Java App from the list, click on the “Delete” symbol.

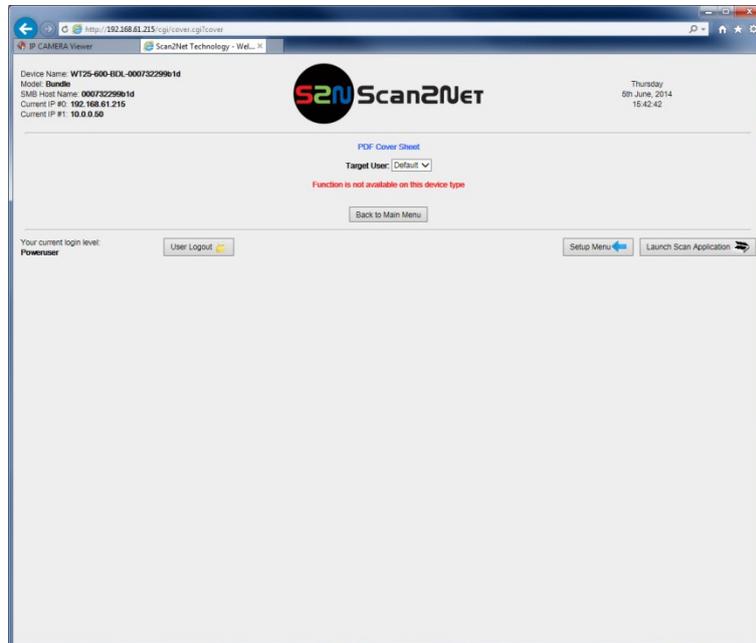
Upload new Java App

Click the **Search** button to search the directories of your local PC and/or your network for a Java Application file.

Click on **Send File** to transfer the selected file to the scanner.

D.4.5 PDF Cover Sheet

This section is used to configure the automatic addition of a PDF cover sheet to each multipage PDF created through the scan process.



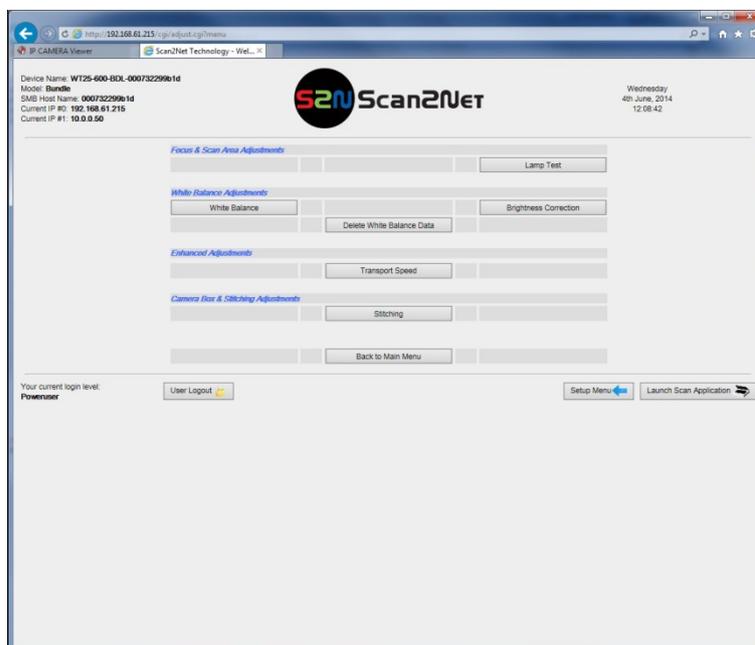
Picture 90: PDF Cover Sheet

This function is temporarily not available on this device.

D.5 Adjustments & Support

D.5.1 Adjustments

The **Adjustment** screen shows the links for the optical and for the mechanical adjustments.



Picture 91: Adjustment start screen

The section **Focus & Scan Area Adjustments** contains the lamp test function.

The section **White Balance Adjustments** contains the routines for the white balance measurement and for the brightness correction.

The section **Enhanced Adjustments** contains the function to modify the transport speed.

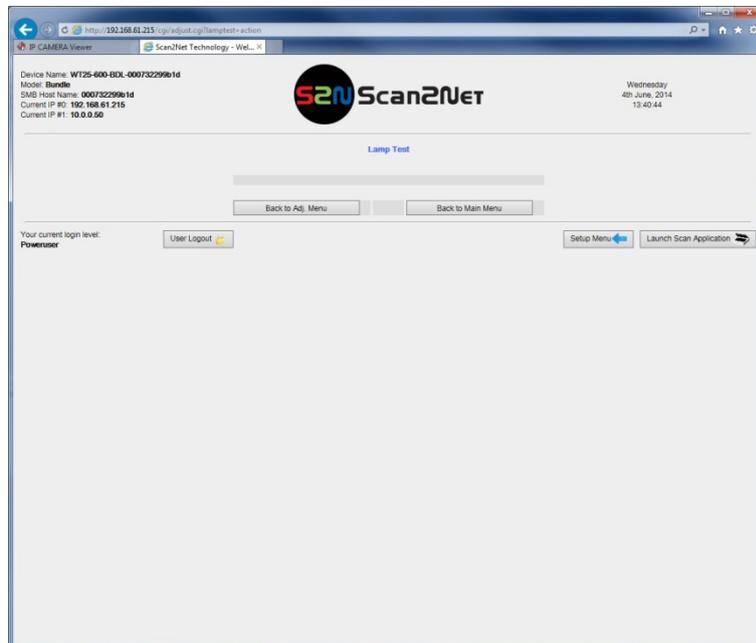
The section **Camera Box & Stitching Adjustments** contains a function to modify the stitching area of the WideTEK® 25 camera.

D.5.1.1 Lamp Test

The camera box lamp functionality can be checked with this test routine.

For the tests and measurements, the camera box moves to the middle of the scan area.

The lamps are alternately switched on and off and the measurement will be executed.



Picture 92: Lamp test

At the end of the measurement, the camera box returns to the start position at the upper side of the scan area.

The lamps switch off automatically after 30 seconds or when another function is executed.

D.5.1.2 White Balance

The white balance function is the most important function for consistent image quality.

To ensure optimal performance, the scanner should be calibrated in regular intervals to compensate light degradation, variations in the paper quality of the documents to be scanned, and other long term effects. For more information about the white balance adjustment see chapter C.1.1.

Click the button **White Balance**.

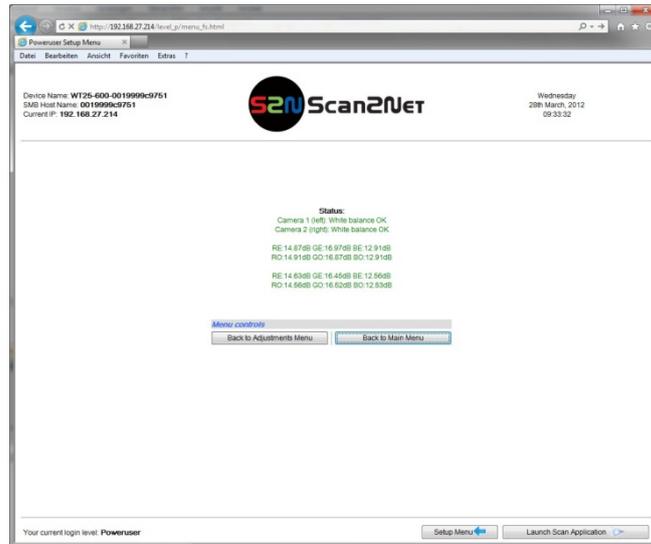


Picture 93: White Balance start screen

Place the test target (delivered with the scanner) as shown on the glass plate of the scanner.

Click the **Next Step** button to start the measurement. The measurement can take up to 40 seconds. While the measurement is executed, the screen shows a running symbol.

After completing the measurement, the screen shows the results.

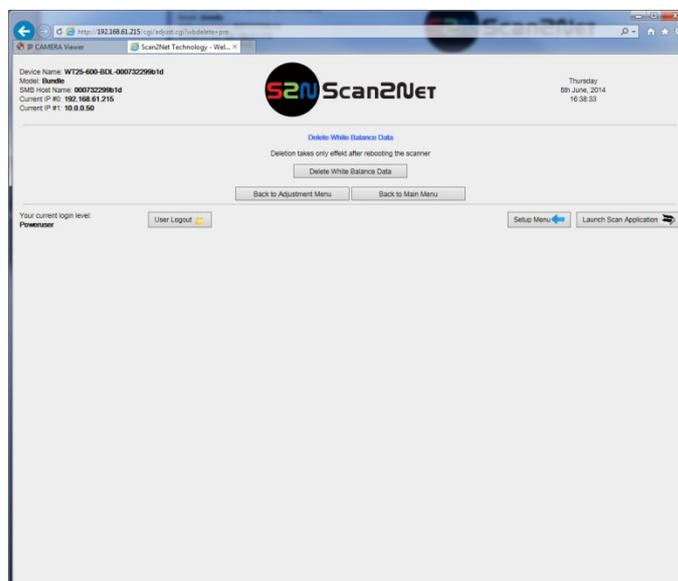


Picture 94: White balance results

Note: It is normal that the measurement will return different values each time the measurement is repeated. The lens motor has a very high resolution and the best focal point has to be found in the already large focal range, therefore a variation of 50 – 100 in values is normal.

D.5.1.3 Delete White Balance Data

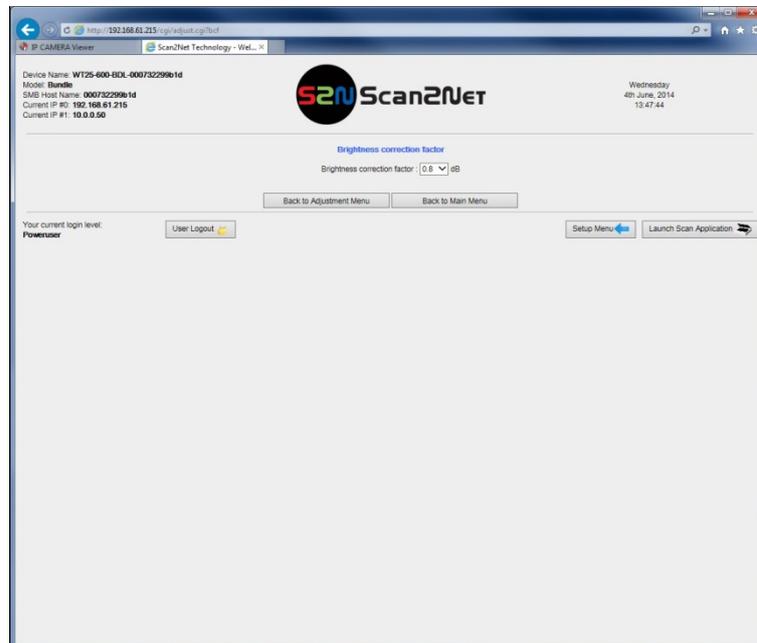
All data from the white balance measurement will be deleted.



Picture 95: Deleting the white balance data

D.5.1.4 Brightness Correction

The brightness correction function does not perform any measurements; it only allows setting a correction factor for the brightness. The interval of the correction factor is ± 2 dB.



Picture 96: Brightness correction

Click on the selection arrow.

The list of the available values will be displayed.

Click at the desired correction factor. The correction factor will be effective immediately.

D.5.1.5 Stitching

WideTEK® 25 only.

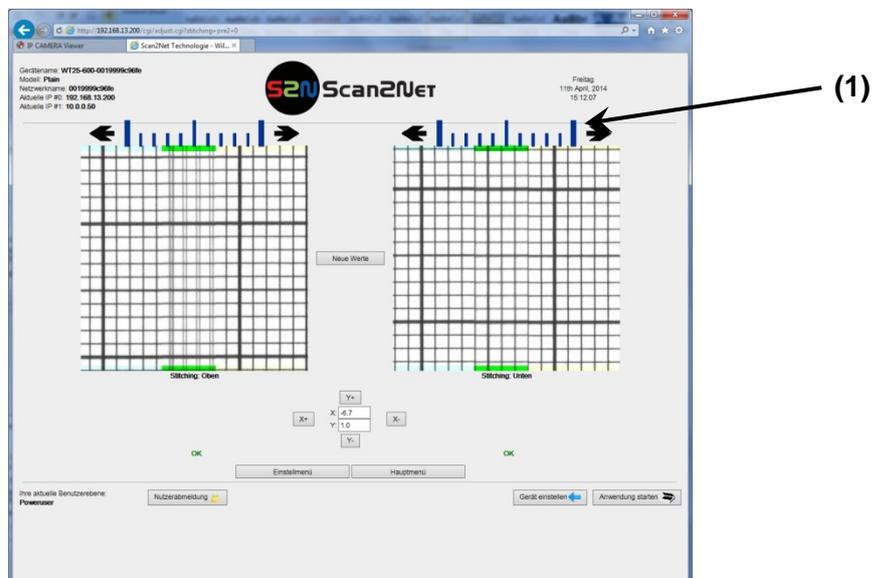
This function shows the overlapping area between the partial images of the camera box.

Before starting the measurement, cover the complete scan area with the stitching reference target.



Picture 97: Stitching target placed at the scan area

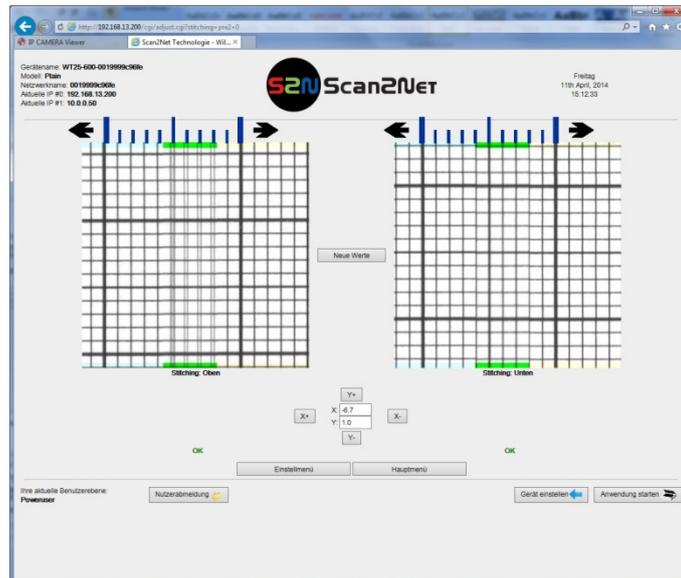
Click **Next Step** to start the measurement.



Picture 98: Stitching areas

At the upper margin of the partial images, a scaling (1) is displayed. The scaling can be moved with the mouse.

Set the scaling to a position so that the strong lines are placed above the highlighted lines of the partial images.



Picture 99: Scaling moved above highlighted lines

Click **X+/X-** and **Y+/Y-** to move the overlapping area.

X+/X- Moves the overlapping area in horizontal direction.

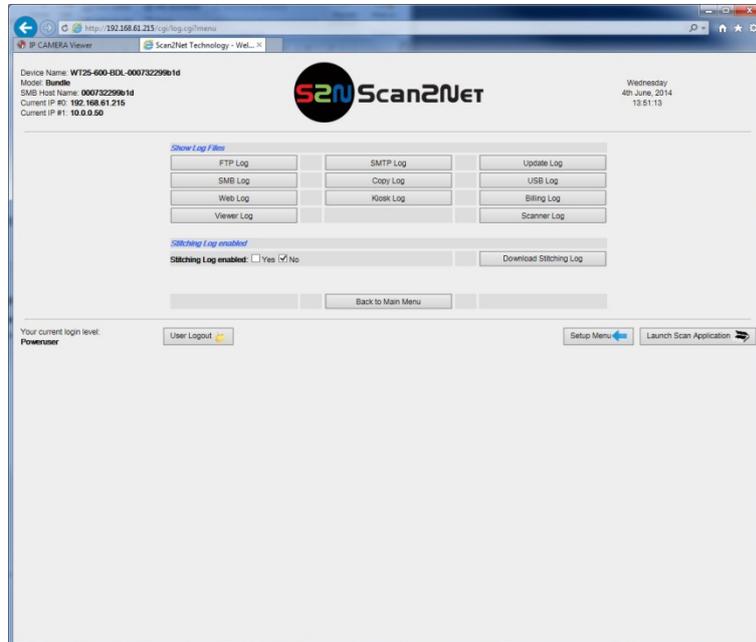
Y+/Y- Moves the overlapping area in vertical direction.

Target of the setting is to place the overlapping areas in the stitching areas in such a way, that the overlapping is as evenly as possible.

D.5.2 Log Files

D.5.2.1 Show Log Files

While working with the scanner, the activities will be logged in several log files.

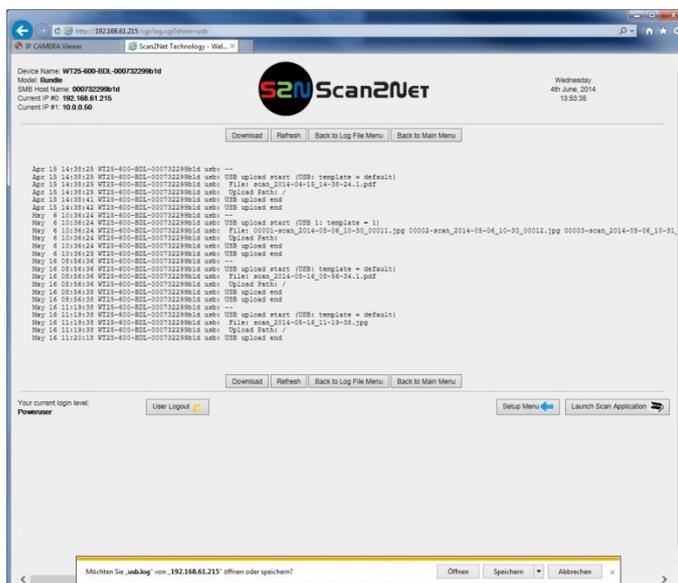


Picture 100: Log files overview

Log file	Content
FTP Log	FTP transfers will be logged with all transfer data.
SMTP Log	SMTP transfers will be logged with all transfer data.
Update Log	All firmware updates will be logged.
SMB Log	SMB transfers will be logged with all data.
Copy Log	The data transfer between scanner and printer will be logged.
USB Log	The data transfer to connected USB devices will be logged.
Web Log	The data transfer to a target in the internet will be logged.
Kiosk Log	All activities in conjunction with the Kiosk function will be logged.
Billing Log	All billing relevant data will be logged.
Viewer Log	Log file of the use of the preview function.
Scanner Log	All system activities of the scanner will be logged.

All logs can be saved as ASCII files.

Click on the button for the desired log file to view its contents.



Picture 101: Log file content

Depending at the selected log file, the amount of information varies.

Click the **Download** button to save the content of the log file. A dialog box opens

Open

Opens the log file as ASCII file in a text editor.

Save

Select between:

Save: Saves the log file as ASCII file. File extension is “log”.

Save as: Saves the log file with a user defined name.

Save and open: Saves the log file and opens it in a text editor.

Cancel

Closes the dialog box.

After saving the log file, the content of the dialog box changes.

Open

Opens the log file as ASCII file in a text editor.

Open directory

Opens the local directory where the file is stored.

Show downloads

Shows the list of downloads.

The “Scanner log” file has the most comprehensive content and gives a good overview of the scanner activities.

D.5.2.2 Stitching Log enabled

Not with WideTEK® 12. Only available with flat bed and large format scanners.

The log file is a ZIP archive and contains information to analyze the stitching algorithm. It is password protected and cannot be opened by the user.

In case of an error, send the ZIP archive to Image Access support. It will help to analyze the error and find a solution.

D.5.3 Scan Test Targets

For system analysis and troubleshooting, three test targets can be used.

The CSTT test target and the IT8 test target are included with the scanner.

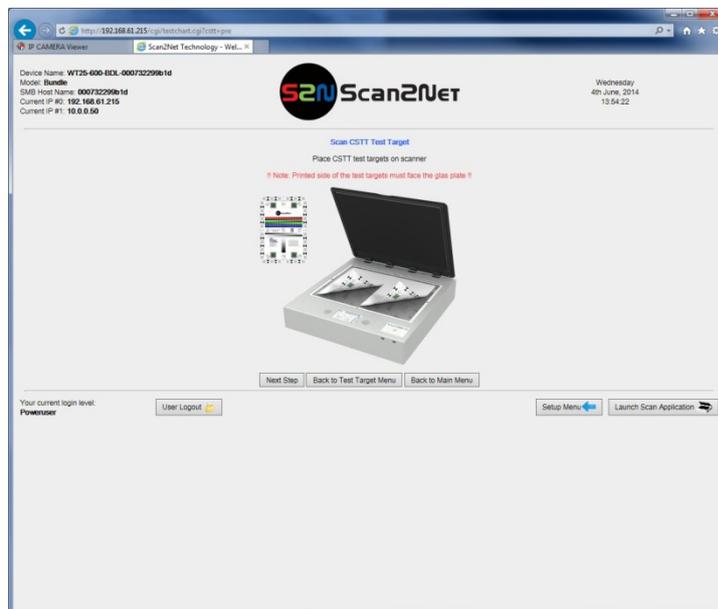
D.5.3.1 Scan CSTT Test Target

Click the respective button to select the CSTT test target for the scan sequence.



Picture 102: Available test target

The next screen shows the position of the CSTT test target on the glass plate.



Picture 103: Example for test target position

Note: The printed side of the test target must be placed on the glass plate!
For illustration purposes, the CSTT test target is displayed beside the scanner.

Place two CSTT test targets on the glass plate as shown at the screen.

Click the **Next Step** button to start scanning the test targets. The test sequence will take approximately 30 seconds.

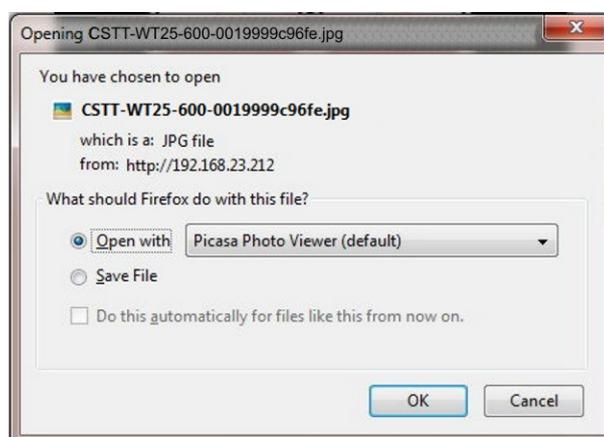
After scanning, the image will not be displayed.

A small window – depending on the browser used for scanning – opens.

Select between opening the image with an appropriate software application and saving the image.

The default image name contains the test target name, the device type and the serial number of the scanner.

Picture 104 shows as an example the window which is displayed in the Mozilla Firefox browser.



Picture 104: Request after scanning the test target

The file name contains the following information:

CSTT-WT25-600-0019999c96fe

CSTT: Test target name.

WT25-600: Device type, here WT25-600

0019999c96fe: Serial number of the scanner.

This information is helpful for service technicians to find the scanner specific data in the database.

The test target image contains information which allows analysis of the current settings of the scanner and comparison with the factory settings.

D.5.3.2 Scan UTT Test Target

Click the respective button to select the UTT test target for the scan sequence.

Note: The UTT test target is **not included** with the scanner.



Picture 105: UTT test target on glass plate

The procedure is the same as described with the CSTT test target.

The resulting image differs in the name because of the other test target.

D.5.3.3 Scan IT8 Test Target

Click the respective button to select the IT8 test target for the scan sequence.



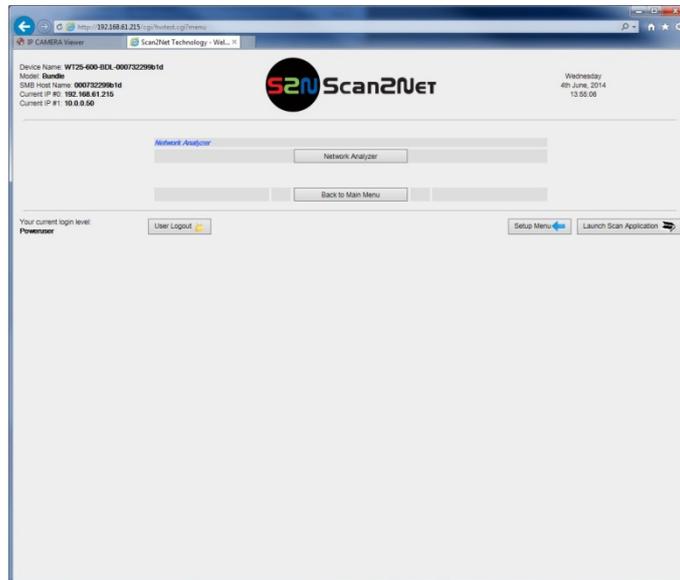
Picture 106: IT8 test target on glass plate

The procedure is the same as described with the CSTT test target.

The resulting image differs in the name because of the other test target.

D.5.4 Hardware Test Suite

This menu contains only one item, titled “Network Analyzer”.



Picture 107: Start screen Hardware Test Suite

D.5.4.1 Network Analyzer

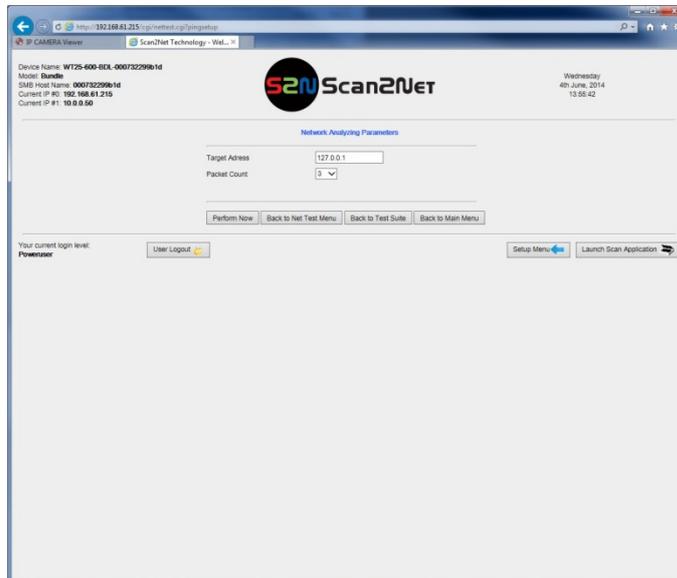
This menu is for testing network performance and viewing the packet statistics.



Picture 108: Network analyzer start screen

D.5.4.1.1 Perform Speed Test

Click on **Perform Speed Test** to check the data transfer speed.



Picture 109: Network Analyzing Parameters

Target Address Enter an IP address which can be accessed from the scanner to test the data transfer speed.

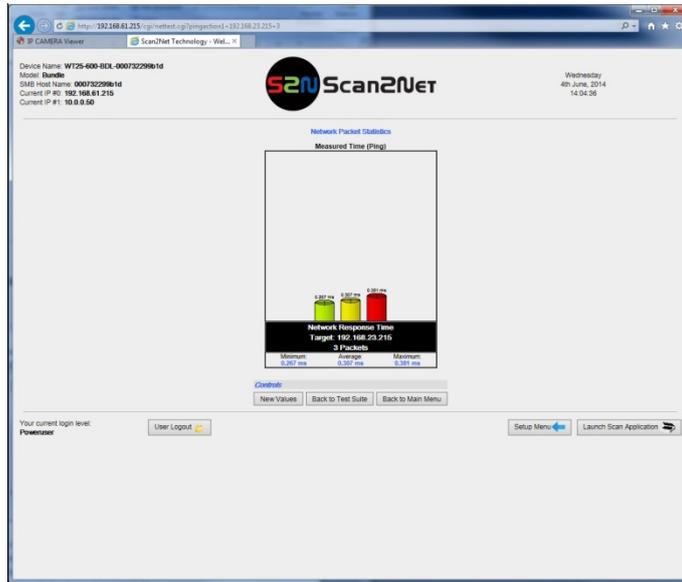
Packet Count Click on the selection arrow to set the number of transferred packets.

Perform Now Starts the test sequence.

Back To Net Test Menu Returns to the network analyzer start screen.

Back To Test Suite Returns to the **Poweruser** level main menu (Picture 34).

The result of the measurement is displayed at the next screen.



Picture 110: Measured Time

The bar graphic shows the three values:

Minimum The fastest transfer time between the scanner and the target address.

Average The average time for all transferred packets.

Maximum The maximum transfer time during the test.

Depending at the transfer time, the color of the bar changes.

D.5.4.1.2 Network Packet Statistics

Packet Statistics

Shows the current network packet statistics.

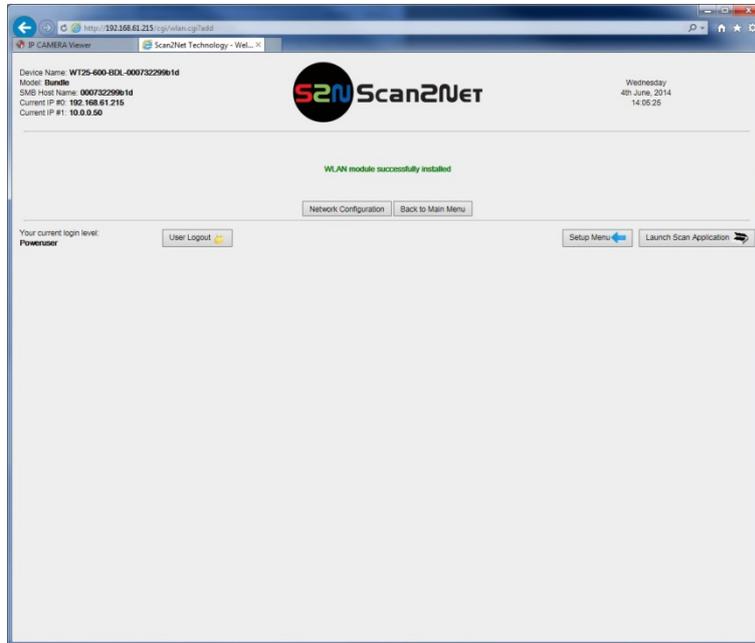


Picture 111: Packet Statistics values

D.6 Additional Hardware

D.6.1 Wireless LAN

This menu item activates the WLAN module in the scanner after installation.



Picture 112: WLAN module activated

After modifying the WLAN module parameters this function must be used to integrate the WLAN module in the system.

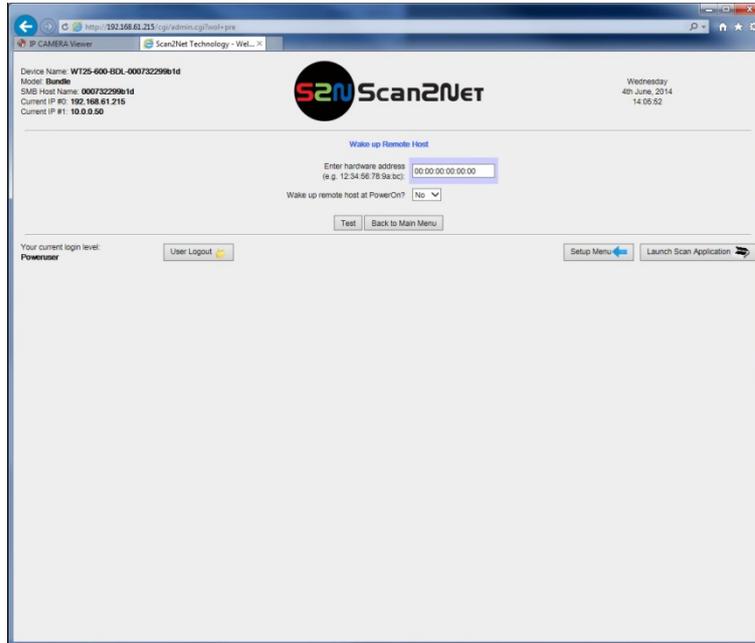
The button **Network Configuration** switches to the settings of the network parameters. See chapter D.3.2.

D.7 Administrative Settings

D.7.1 Wake up Remote Host

If an external PC is used with the scanner, it can be helpful to start the PC at the same time when the scanner starts.

This can be automated by activating the **Wake up Remote Host** function.



Picture 113: Wake up Remote Host

The requirements for using this function:

- In the BIOS of the external PC, the function “Wake on LAN” must be activated. It may be necessary to update the BIOS of older PCs for this function to be available.
- The main power of the external PC must be active, but the PC itself can be in “Power save” mode.

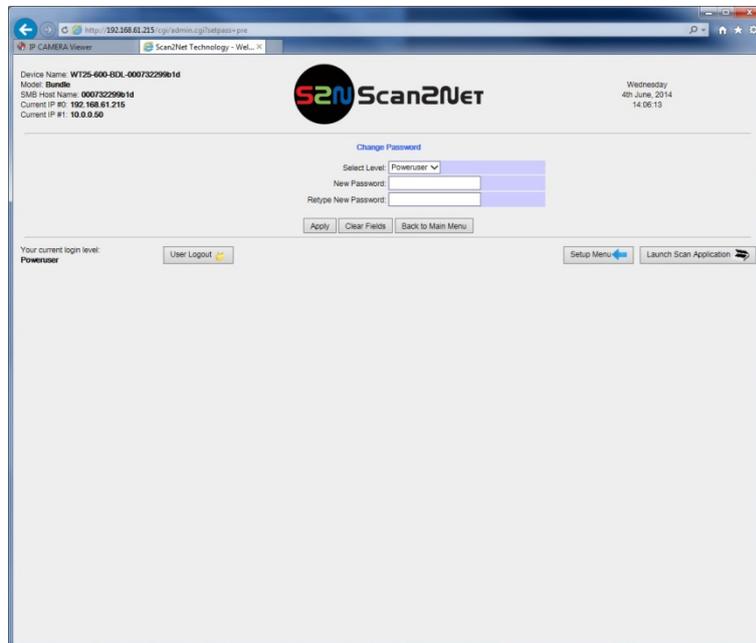
Enter hardware address Enter the MAC address of the network card of the PC here.

Wake up remote host at PowerOn? Select “Yes” to use this function.

D.7.2 Change Password

It is recommended to change the password at irregular intervals to protect the limited access to the **Poweruser** and Admin levels.

Click on **Change Password** .



Picture 114: Change password menu

Select Level Click on the selection arrow to open the list of log-in levels. Select the log-in level, for which the password should be changed.

New Password Enter the new password.

Retype New Password Type the new password again.

Note: The system checks the syntax (upper and lower case) of the password.

Click on **Clear Fields** to clear the fields where the password can be entered.

Click on **Apply** to send the new password to the scanner.

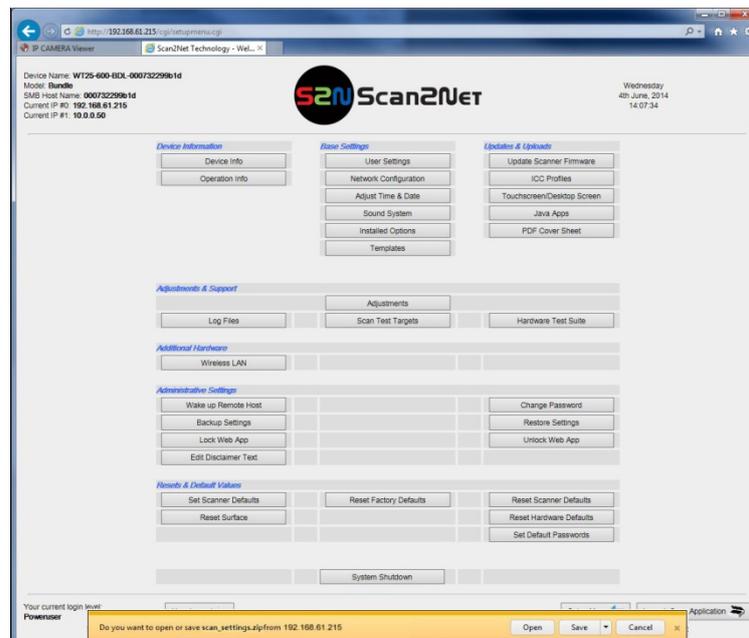
The screen returns to the start screen of the **Poweruser** level.

D.7.3 Backup Settings

To store the current settings of the scanner, a ZIP archive file can be created.

Click on **Backup Setting** to create the ZIP archive.

Depending on the browser used, a small window opens at the bottom line of the current window or a separate window opens. Picture 115 shows the small window at the bottom when using the "Internet Explorer 9".



Picture 115: Small window at bottom line with inquiry for action

- | | |
|----------------------|--|
| Open | Opens a window and shows the contents of the ZIP file. The ZIP file contains a directory which is named according to the scanner device type and its serial number. The directory can be opened but all files therein are password protected and cannot be opened. |
| Save | Saves the ZIP file with an automatically generated file name. The contents of the small window change after saving. The buttons in the small window allow opening the ZIP file, the directory of the ZIP files or opens the download lists in a separate window. |
| Save as | Save the ZIP file. The desired file name can be entered before saving. |
| Save and open | Saves the ZIP file and opens a window which shows the contents of the ZIP file. |

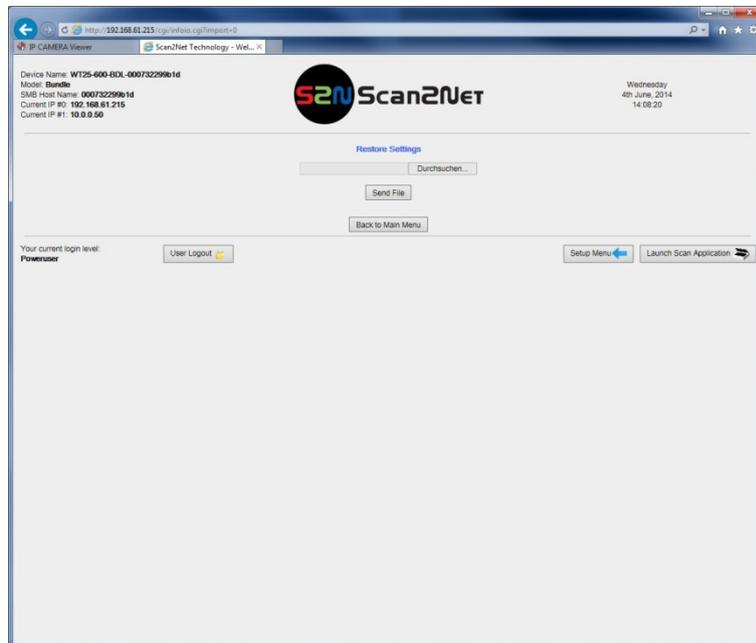
The ZIP archive contains printer specific settings, mail addresses for the data transfer via SMTP or the network settings for SMB network share.

Using this function is recommended in order to have the current settings available after the scanner has been reset to factory defaults (chapter D.8.2).

D.7.4 Restore Settings

With this function, the ZIP file stored with the “Backup Settings” function can be loaded to the scanner.

Click on **Restore Settings**.



Picture 116: Restore setting from ZIP file

To find the ZIP archive, click on **Search** and browse the directory structure to find the desired ZIP archive file.

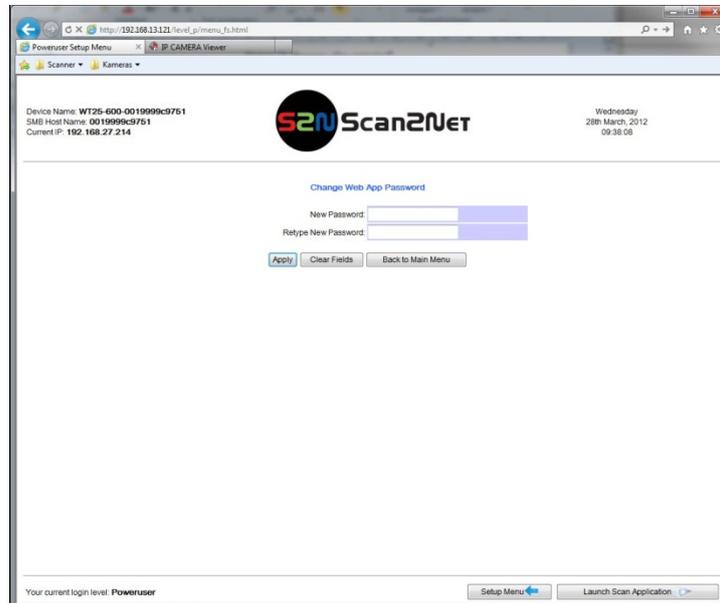
Click on **Send File** to upload the file to the scanner.

After restoring the scanner settings, the screen shows a message and reminds the operator to perform a white balance sequence.

D.7.5 Lock Web App

This function locks the integrated user interface.

When the integrated user interface is locked, the scanner can only be controlled by the touchscreen or by external software.



Picture 117: Enter password to lock the Scan2Net user interface

New Password Enter the new password.

Retype New Password Type the new password again.

Note: The system checks the syntax (upper and lower case) of the password.

Click on **Clear Fields** to clear the fields where the password can be entered.

Click on **Apply** to send the new password to the scanner.

D.7.6 Unlock Web App

This function unlocks the integrated user interface.

Enter the password which was defined to lock the user interface.

D.7.7 Edit Disclaimer Text

This function allows editing the disclaimer text.

Target User Defines the user group in which the disclaimer text is displayed when starting the kiosk application.

Enable disclaimer text? Select **Yes** to display the disclaimer text before starting to scan.

D.8 Resets & Default Values

D.8.1 Set Scanner Defaults

This function enables saving settings for color mode, resolution, document mode as well as network parameters and other parameters. When powering up, the scanner starts with the saved settings.

To modify the settings, switch to the integrated user interface and set all parameters to the desired values.

Return to the **Poweruser** level.

Click on **Set Scanner Defaults** to execute.

D.8.2 Reset Factory Defaults

This function sets all parameters back to factory default settings.

The settings defined for printer output or the connections defined in SMB configuration or the stored email addresses and other parameters will be erased and replaced by universal entries.

Click on **Reset Factory Defaults** to execute the function.

D.8.3 Reset Scanner Defaults

Resets all scanner parameters to the values which were set before with the function **Set Scanner Defaults**.

Click on **Reset Scanner Defaults** to execute the function.

D.8.4 Reset Surface

D.8.5 Reset Hardware Defaults

This function resets the hardware parameters to the values which were defined during the basic setup when assembling the scanner.

D.8.6 Set Default Passwords

This function resets all passwords back to factory settings.

E Troubleshooting



Disconnect the power cable before doing any maintenance to the device.

E.1 Recovery Function

The recovery function helps to set all device parameters to factory defaults after a fatal system breakdown.

The recovery key is necessary to invoke the recovery procedure.



Picture 118: Recovery Key

A recovery key is delivered with every device; it is marked with the label **Recovery**.

Important: The recovery function resets the IP address to the factory default value of 192.168.1.50. It may be necessary to use the crossover cable and change the network settings on the local computer.

E.1.1 Important Notes Before Recovering to Factory Defaults

The steps described in the following should **only** be executed after a fatal system breakdown!

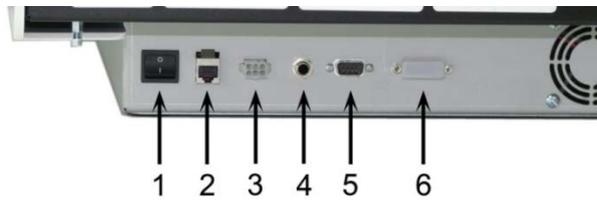
Before starting the recovery sequence write down the values for the IP address, subnet mask and gateway of the device.

After recovering to the factory defaults

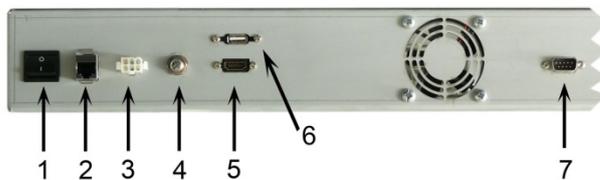
- the network values must be set to the previously noted values.
- a firmware update must be executed. Make sure an update file is available on the local computer.
- a white balance adjustment must be executed.
- all adjustment procedures described in the previous sections have to be executed again

E.1.2 How to Recover to Factory Defaults

Important: The scanner must be in standby mode before inserting the recovery key.



Picture 119: Chassis A connectors



Picture 120: Chassis B connectors

Plug the recovery key into the **Recovery key connector** at the connectors panel.

Chassis A: Picture 119, detail #5

Chassis B: Picture 120, detail #7)

Push the on/off button in the front panel to start the scanner.

The device will start and, after it has found the recovery key to be present in the port, it will automatically execute the recovery sequence. All viable system data will be restored and necessary repair steps will be taken without the need of any user interaction.

Note: The recovery sequence can take several minutes. While the recovery sequence is running, **no message** will be displayed.

When the recovery sequence has finished, the device will power down automatically.

Important: Do not switch off the device at any time during the recovery procedure!

- After the device has powered down unplug the recovery key.
- Power up the device with the on/off button in the front panel.

The factory default IP address of the device is: 192.168.1.50

- Change the network parameters to the values which were used before running the recovery sequence. See chapter C.2.

Reconnect to the scanner using the new IP address.

- Executed a firmware update. Chapter D.4.1. describes all necessary steps.
- Execute a white balance adjustment. See chapter C.1.2.
- After the white balance adjustment, the software adjustment for the device must be performed.

Select **Setup Device** → **Poweruser**. Login as **Poweruser**.

Locate the section **Adjustments & Support** and click the button **Adjustments**. Perform all adjustments in this section by clicking the appropriate buttons.

All options already installed at the delivery of the scanner are available after recovering to factory defaults.

Options, which were purchased at a later time, must be reactivated with their matching key code.

Contact the Image Access Customer Service to get the key codes for your options free of charge.

E.2 Troubleshooting

Fields with a light blue background need the power user access level. All other fields are available to all users.

Problem	Possible cause	Action
Image is darker than expected.	The test target, which is used for the white balance procedure, is much brighter than the document.	Go to the White Balance function. Modify the Brightness Correction setting.
Image is brighter than expected.	The test target, which is used for the white balance procedure, is much darker than the document.	Go to the White Balance function. Modify the Brightness Correction setting.
Image is darker on one side than on the other side.	The electronics gear is out of sync.	Execute the Scan Start procedure.
Image has horizontal stripes or streaks.	Improper white balance.	Execute the White Balance procedure.
Image shows a color shift towards red (tint).	The target used for white balance is more blue than the scanning target.	Go to the RGB adjustments and lower the gain on red.
Image shows a color shift towards blue (tint).	The target used for white balance is more red than the scanning target.	Go to the RGB adjustments and lower the gain on blue.

E.3 Error Codes and Warnings

The scanner does report error conditions on the display and through the API. Some errors are only sent to the API.

A green problem description signals that operation of the scanner is still possible although the error will have an influence on the behavior or quality of the scanner.

A problem description in red marks an errors which will stop the scanner and inhibits further scanning.

E.3.1 Error Codes

Error #	Error message shown in the display	Error message sent to application	Problem description
1		Scanner in use.	An attempt to access the scanner was made from a different application.
2		Invalid session ID.	An attempt to access the scanner with an invalid session ID was made.
4		Invalid password	The stop button was pressed during the operation.
5	E05 S2N BOARD	S2N board failure	The S2N board is either not found or found defective. Make sure board is sitting correctly on the motherboard.
7	USER BREAK	Stop button pressed.	The stop button was pressed during the operation.
8		User timeout	The function ended because of a time out
9		Warming up	The device is still warming up and cannot be used.
10		Invalid setting value.	The value sent to the device is invalid.
11		Setting does not exist.	The settings does not exist.
12		Invalid user docsize.	The size of the user format is invalid.
14		Invalid resolution or color mode.	Either the resolution or the color mode is invalid.
20	E20 MOTOR 1 (O) SCAN DRIVE	Motor 1 (Scan drive): End switch permanently open.	The home position switch is permanently open. The mechanics of the corresponding motor could be blocked or the switch/cable is defective.
21	Error 21 Motor 1: Transport locked	Motor 1 / PCI 1 (Box drive): Transport locked	

Error codes, part 2

Error #	Error message shown in the display	Error message sent to application	Problem description
30		File format not supported.	The specified file format is not supported or it is invalid in combination with the color mode.
31		Preview not possible	The application specified an invalid preview scale. Not all scale factors are allowed with all image sizes.
32		Invalid color conversion	The application changed the color depth between scanning and image transfer and a conversion between these modes is not possible. Example: scan in binary, then changed color mode to truecolor.
33		No image available	The application attempted to get an image from the scanner and there was no scan since the device was turned on.
55	E55 WRONG S2N HW CCD PORTS	Wrong S2N board detected (not enough CCD ports)	The S2N board found is not the right one for this device. Error can occur after a repair/exchange. Exchange with correct board.
56	E56 WRONG S2N HW REVISION NOT OK	Wrong S2N Board detected (Revision not OK)	The S2N board found is not the right one for this device. Error can occur after a repair/exchange. Exchange with correct board.
56	Error 56: S2N Board: wrong revision	Wrong S2N Board detected (Revision not OK)	The S2N board found is not the right one for this device. Error can occur after a repair/exchange. Exchange with correct board.
60	Error 60: General camera error	General camera error.	General error on the CCD camera board. Check power, cables and S2N-PCI board.
61	Error 61: Camera 1 failed	Camera 1 failed	Initializing of camera 1 failed. Check power, cables and S2N-PCI board.
62	Error 62: Camera 2 failed	Camera 2 failed.	Initializing of camera 2 failed. Check power, cables and S2N-PCI board.
65	Error 65: Camera 1 data bus error	Camera 1 data bus error.	Test data transfer to camera failed. Check cables / connectors to camera 1 and S2N-PCI board.
66	Error 66: Camera 2 data bus error	Camera 2 data bus error.	Test data transfer to camera failed. Check cables / connectors to camera 2 and S2N-PCI board.
69	Error 69: ADC error camera 1	Camera 1 adc error.	Test data transfer through analog digital converter failed. Check cables / connectors to camera 1.

Error codes, part 3

Error #	Error message shown in the display	Error message sent to application	Problem description
70	Error 70: ADC error camera 2	Camera 2 adc error.	Test data transfer through analog digital converter failed. Check cables / connectors to camera 2.
75		General keyboard error	General keyboard error. Check keyboard and cables.
80	E80 BAD LAMP CONFIG	Bad lamp config	
81	E81 BAD DEVICE CONFIG	Bad device configuration	
99		Internal error.	The firmware has detected an internal error of unknown cause.

E.3.2 Warnings

Warning #	Warning shown in the display	Warning sent to application	Problem description
130	E130 Foot Pedal 1 SWITCH PERM.CLOSED	Foot Pedal 1: Switch permanently closed	The contact of foot pedal 1 is permanently closed or defective.
144		Light level is low	The light level is found to be low during the white balance function.
145	Camera adjustment required	Camera adjustment required	
160	W160 NO WHITE BALANCE DATA	No white balance data	No white balance data was found. Perform white balance.
180		Deskew failed	The deskew function failed. Reposition document.
181 ¹		Stitching2D: out of memory. Using fixed stitching	
182 ²		Stitching2D: bad matching. Using fixed stitching	

E.3.3 Information

Info. #	Information shown in the display	Information sent to application	Description
200	CREATING RECOVERY PART..	Creating Recovery Partition	While creating the recovery partition, the scanner cannot be accessed.

¹ WideTEK® 25 only.

² WideTEK® 25 only.

F Technical Data

F.1 Scanner Specifications

WideTEK® 12 Optical System

Maximum document width	12.5 x 18.5 inch / 317 x 470 mm
Scanner resolution	1200 x 1200 dpi (optionally 9600 x 9600 dpi interpolated)
Optical resolution	1200 x 600 dpi
Pixel dimension	9.3 x 9.3 μ m
Camera type	Two tricolor CCDs, encapsulated and dust-proof
Color depth	12 bit grayscale (internal resolution) 36 bit color (internal resolution)
Sensor resolution	22,500 pixels
Scan modes	24 bit color, 8 bit indexed color 8 bit grayscale bitonal, enhanced halftone
Scan accuracy	Better than $\pm 0.1\%$ over the max. scan area

Illumination

Light source	Two lamps with 54 white LEDs/lamp
Warm-up time	None. Maximum brightness after switch-on.
Temperature dependence	None
UV / IR emission	None
Lifetime	50,000 hours (typ.)

Glass plate

Mechanical load (maximum)	10 kg Important: Do not exceed the maximum load!
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WideTEK® 25 Optical System

Maximum document width	25 x 18.5 inch / 635 x 470 mm
Scanner resolution	1200 x 1200 dpi (optionally 9600 x 9600 dpi interpolated)
Optical resolution	1200 x 600 dpi
Pixel dimension	9.3 x 9.3 µm
Camera type	Two tricolor CCDs, encapsulated and dust-proof
Color depth	12 bit grayscale (internal resolution) 36 bit color (internal resolution)
Sensor resolution	45,000 pixels (2x 22,500)
Scan modes	24 bit color, 8 bit indexed color 8 bit grayscale, bitonal, enhanced halftone
Scan accuracy	Better than ± 0.1% over the max. scan area

WideTEK® 25 Illumination

Light source	Two lamps with 108 white LEDs/lamp
Warm-up time	None. Maximum brightness after switch-on.
Temperature dependence	None
UV / IR emission	None
Lifetime	50,000 hours (typ.)

Glass plate

Mechanical load (maximum)	10 kg Important: Do not exceed the maximum load!
---------------------------	--

F.2 Ambient Conditions

Operating temperature	5 to 40 °C / 40 to 105 °F
Storage temperature	0 to 60 °C / 32 to 140 °F
Relative humidity	20 to 80% (non-condensing)
WideTEK® 12 noise level	≤ 40 dB(a) (Operating) ≤ 25 dB(A) (Stand-by)
WideTEK® 25 Noise level	50 dB(A) (Operating) 35 dB(A) (Standby)

F.3 Electrical Specifications

External Power Supply

Voltage	100 – 240 V AC
Frequency	47 – 63 Hz
Inrush current	120 A max / 264 V AC
Efficiency	85 %
Operating temperature	0 to 65 °C / 32 to 150 °F
Operating humidity	20 to 80 % RH, non-condensing
ECO standard	CEC level V

Scanner

Voltage	24 V DC
Current	Max. 5 A

WideTEK® 12 Power Consumption

Sleep	≤ 0,5 W
Stand by	4.8 W
Scanning	55 W

WideTEK® 25 Power Consumption

Sleep	≤ 0,5 W
Stand by	2.5 W
Scanning	90 W

F.4 Dimensions and Weight

WideTEK® 12

Scanner outer dimensions	222 x 440 x 795 mm (H x W x D) 8.8 x 17.4 x 31.3 inch
Weight of scanner	28 kg / 61.8 lbs.

Dimensions of transport box (palette)	360 x 520 x 900 mm (H x W x D) 14.2 x 20.5 x 35.5 inch
Total shipping weight	40 kg / 88 lbs.

WideTEK® 25

Scanner outer dimensions	225 x 760 x 795 mm (H x W x D) 8.9 x 29.9 x 31.3 inch
Weight of scanner	45 kg / 99 lbs.

Dimensions of transport box (palette)	450 x 1200 x 1000 mm (H x W x D) 17.7 x 47.3 x 39.4 inch
Total shipping weight	79 kg / 174 lbs.

F.5 CE Declaration of Conformity

The undersigned, representing the manufacturer:

Image Access GmbH

Hatzfelder Strasse 161 – 163

42281 Wuppertal, Germany



herewith declares that the

Products: **WideTEK 12-600 / WideTEK 25-600 Scanner**

Model Designation: **WT12-XXX / WT25-XXX**
(XXX represents the device version number and configuration details)

Serial number: **All**

are in conformity with the following European standards and IEC directives:

Safety:

Low Voltage Directive (Safety) 2006/95/EEC as per

WT12-XXX:

IEC 62368-1:2014

EN 62368-1:2013 /A:2014

WT25-XXX:

IEC 60950-1:2005 (2nd Edition) + A1:2009

EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2012

WT12-XXX / WT25-XXX:

ANSI/UL 60950-1-2007, Ed:2 Rev: 2011/12/19

CAN/CSA C22.2 No. 60950-1 2007, Ed:2 Rev:2011/12/19

EMC:

Directive 2004/108/EEC

EN 55022:2010

EN 61000-3-2:2006 + A1:2009 + A2:2009

EN 61000-3-3:2008

EN 55024:2010

EN 61000-4-2:2009

EN 61000-4-3:2006 + A1:2008 + A2:2010

EN 61000-4-4:2012

EN 61000-4-5:2006

EN 61000-4-6:2009

EN 61000-4-11:2004

Wuppertal, May 2014



Thomas Ingendoh , President and CEO

F.6 FCC Declaration of Conformity

Responsible party:

Image Access GmbH

Hatzfelderstrasse 161 – 163

42281 Wuppertal, Germany

Products: **WideTEK 12-600 / WideTEK 25-600**

Model Designation: **WT12-XXX / WT25-XXX**
(XXX represents the device version number and configuration details)

Serial number: **All**

WT12-XXX: This device complies with FCC, Part 15, Class B and ICES-003, Class B.

WT25-XXX: This device complies with FCC 47, Part 15, Class A and ICES-003, Class A.

The test setup $f \leq 1000$ MHz and test was done according to

ANSI C63.4: 2009 and **CISPR 22: 2006+A1:2007**

Compliance with CISPR 22 is being used to demonstrate conformity with FCC DoC requirements. This conforms with FCC Part 15.107(e) and 15.109(g).

The test setup $F > 1000$ MHz and test was done according to

ANSI C63.4: 2009

American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.

NOTE: This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. Operation of these equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Wuppertal, May 2014



Thomas Ingendoh, President and CEO

For your notes