



WideTEK® 48C



WideTEK® 36C

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 the **WideTEK® 36C / WideTEK® 48C**, Image Access offers an efficient scanner which covers a wide scope of applications due to its versatility. Its integrated web-based user interface makes all functions available in structured menus.

This setup manual is designed to lead you through all setup and administration steps after the **WideTEK® 36C / WideTEK® 48C** scanner has 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 operation errors and you can control all functions from the beginning.

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 the 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.

For your daily work with the **WideTEK® 36C / WideTEK® 48C** scanner, we wish you success and complete satisfaction.

Regards

Your Image Access Team

About the Manual

Setup Manual

The **Setup Manual** is written for technical staff with some basic mechanical as well as software skills. Many resellers will offer onsite installation; therefore, large parts or all of the setup and assembly manual might not be of interest to the reader. The access level at which the setup and adjustment processes are performed is called "Power user". This "Power user" level is password protected from access by the normal operator.

All manuals can be downloaded from the Image Access customer service portal at <http://portal.imageaccess.de>. 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 gives an overview about the scanner's components.
- Section C** describes the assembling of the floor stand and optional accessories.
- Section D** describes the setup and adjustments which can be executed with the touchscreen.
- Section E** 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 F** shows the technical data .

Version History

Version	Published in	Content/Changes/Supplements
A	May 2011	Preliminary version. Description of the device elements. Description of assembling steps.
B	October 2011	First release. Additional information for menu contents. Minor modification in technical data.
B2	December 2011	Update Technical Data.
B3	January 2012	Additional information about connectors at the bottom and back side in chapter 3.x
C	March 2013	Copyright note with updated trademark information. The new logos for WideTEK® 36C and WideTEK® 48C have been introduced. New: Chapter C.4 Monitor Mount. Previous chapter B.5 and all following chapters renumbered.
C1	January 2014	Copyright note updated. Technical data updated. Setup manuals of WideTEK® 36C and WideTEK® 48C scanners merged to one manual. The differences between the models are highlighted if necessary.
D	January 2015	Copyright note updated. Information about white balance function (chapter D.1.1) added, all following chapter renumbered.
D2	March 2015	Chapter E.4.1.10 Description of document cache settings added.

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A Safety Notes

A.1 Safety Notes

Read and ensure that you understand the safety notes.

The safety notes have been written to ensure 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, the WideTEK® 36C as well as WideTEK® 48C, fulfill the requirements of the following standards:

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

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

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

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

All approval marks for the certifications noted above can be found on the type label of the device.

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.



To prevent fire or shock hazard, **do not expose** this device to rain or any type of moisture.

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

1. Openings in the scanner's housing are provided for air circulation. Do not cover or block the openings.
2. Do not place the scanner near a heat or cold emitting source such as a space heater, furnace, or air conditioning unit.
3. Do not place the scanner near any devices or electrical boxes emitting high voltage.
4. Always place the scanner on a stable surface.
5. Do not place cups containing liquids or other such objects on the scanner or on the book cradles. If liquid spills into the scanner it can cause damage. If this occurs, turn off the scanner immediately and unplug the external power supply from the scanner. Contact the Image Access Technical Support.
6. Do not put any objects into any scanner housing openings unless specifically instructed to do so by Image Access Technical Support.
7. Do not disassemble the scanner. If there is a need to disassemble the scanner, please contact the Image Access Technical Support.
8. Do not use the scanner if it has been physically damaged. If this occurs, turn off the scanner and unplug the external power supply from the scanner. Contact the Image Access Technical Support.
9. The scanner should be used only with the power supply that is delivered with the scanner. If you are unsure, please contact the Image Access Technical Support.
10. Before cleaning the scanner always turn off the scanner and unplug the external power supply.
11. When cleaning, do not use any type of solutions, abrasives, or acids such as acetone, benzene, kerosene, mineral spirits, ammonia, or nitric acid. Do not use any cleaners that contain these chemicals.
12. Do not spray any liquids directly onto the scanner. Spray cleaning fluids directly onto the cleaning cloth and use the cloth to clean the scanner.
13. Image Access recommends using for all cleaning purposes a damp cloth from a soft lint-free material. Microfiber cloths are very suitable.

Contact the Image Access Technical Support at support@imageaccess.de

A.4 In General

This setup manual describes both scanner versions, the WideTEK® 36C as well as the WideTEK® 48C.

This setup manual describes the settings and functions using a device equipped with all options. Deviations to other devices with other equipment or reduced options are possible.

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.6 Repair

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

All repairs should be done by a trained technician.

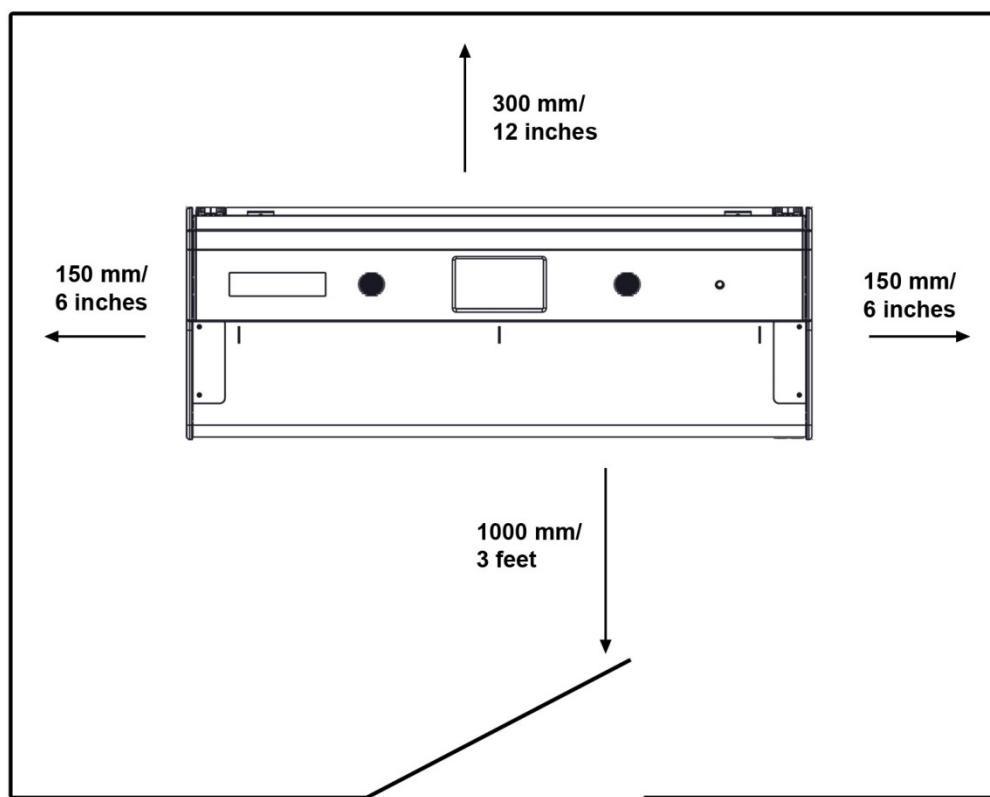
A.7 Device Location

Note: Picture 1 shows a sketch with a WideTEK® 36C. The minimum distances around the scanner are also valid for the WideTEK® 48C.

Please allow a minimum of

- 150 mm (6 inch) from any side walls
- 300 mm (12 inch) from a back wall.
- 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. For more information refer to the chapter F.3.

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 Transport Box

In general:

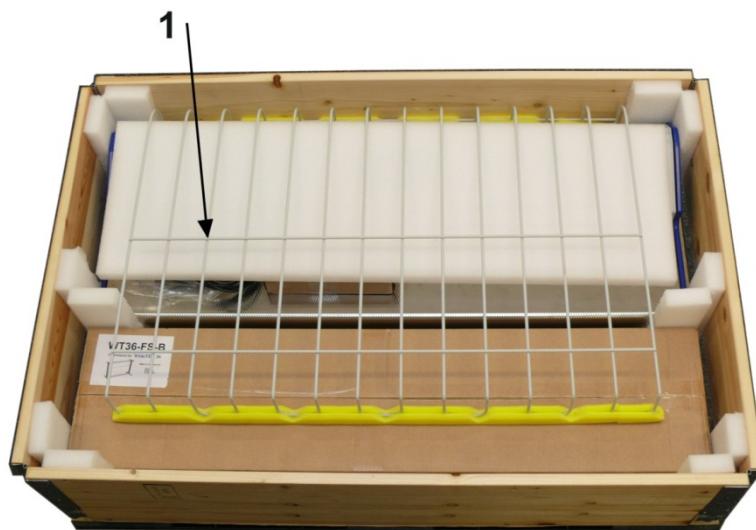
Keep the transport box for later use.

The transport box and the foam inserts will ensure a good protection of the scanner and all accessories if a transport of the scanner is necessary.

The next chapters give an overview of the content included in the transport box when the scanner is delivered.

B.1 WideTEK® 36C

After removing the top cover of the transport box the paper output tray is visible.



Picture 2: WideTEK 36C in transport box

1. Paper Output Tray

The WideTEK® 36C scanner as well as the cardboard box of the floor stand is held in the transport box with a total of six foam inserts.

Remove the paper output tray and the foam mat to get access to the next parts.



Picture 3: Parts in the transport box

2. Patch cable
3. Foot pedal switch
4. External power supply with power connector cable
5. Floor stand in cardboard box

Also contained (but not visible at the picture):

- Reference folder with IT8- and CSTT test targets
- Operation Manual / Setup Manual
- Two plastic bags with Document Return and installation instructions
- White Reference Target

Take the parts out of the transport box.

Remove the six foam inserts beside the scanner and the cardboard box.

Lift the wooden frame from the palett.

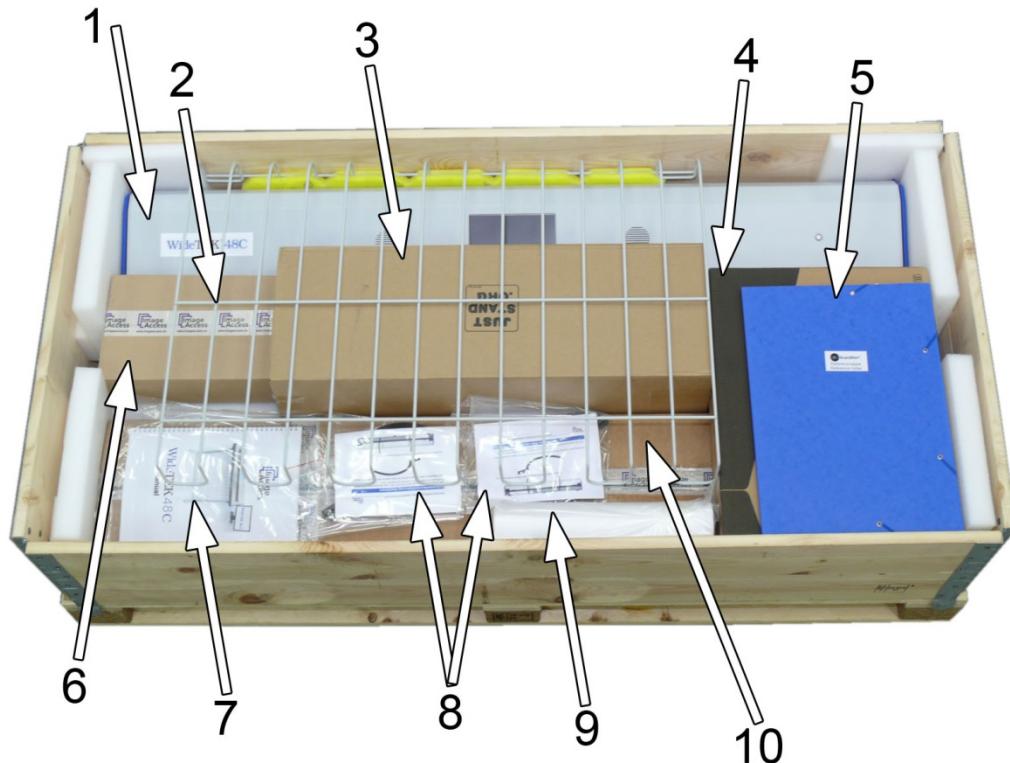


Picture 4: Wooden frame remove

The scanner and the floor stand cardboard box can now be lifted from the pallet.

B.2 WideTEK® 48C

After removing the top cover of the transport box the scanner and all accessory parts are visible.



Picture 5: WideTEK 48C and accessories in transport box

The transport box contains

1. Scanner
2. Paper catch basket
3. Monitor mount (optional)
4. External LCD Monitor (optional)
5. Reference folder with IT8 sheet and CSTT test targets
6. Accessory box with
 - Power supply
 - Power cable for power supply (with national specification)
 - Network cable
 - Foot pedal
7. Manuals (Operation manual / Setup manual)
8. 2x bags with Document Returns and installation manual
9. White Reference Target WT48-WA-01-A
10. Floor stand (optional)

B.3 Keeping the Transport Box for later use

All elements used with the transport box can easily be stored.

The wooden frame can be folded. Most of the foam inserts can be placed between the base plate and the cover plate.



Picture 6: Transport box elements ready to store

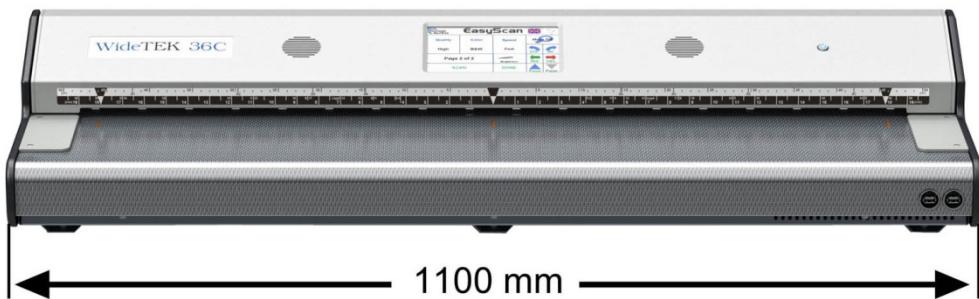
The wooden frame can be place on top of the cover plate.

B.4 Scanner Dimensions

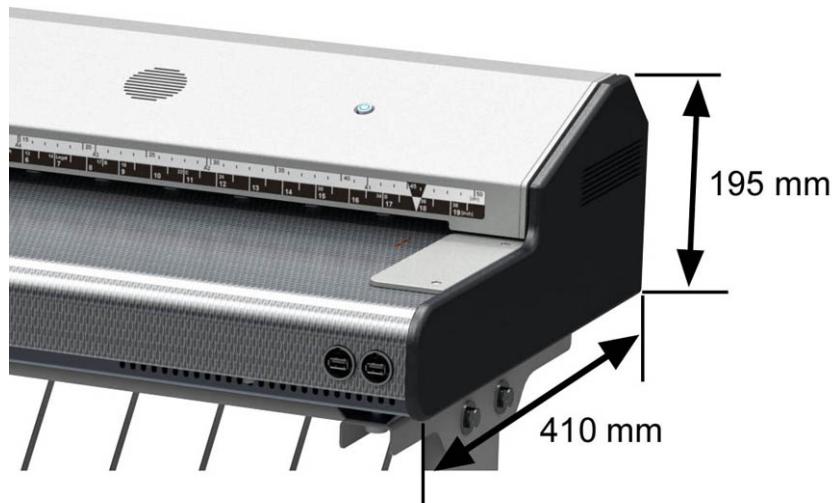
The WideTEK® 36C as well as the WideTEK® 48C scanner requires just a small footprint.

The following pictures show the dimensions of the scanner and give an impression of the slim scanner housing.

B.4.1 WideTEK® 36C

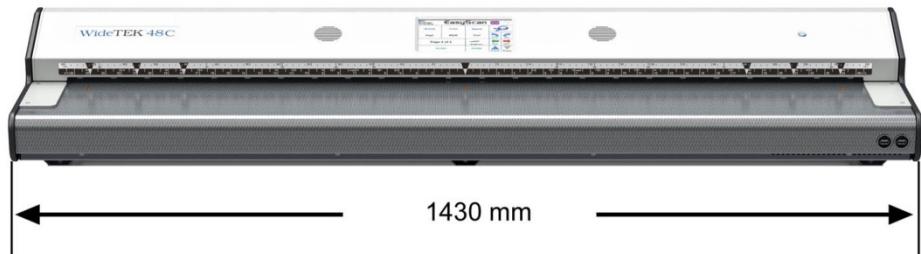


Picture 7: WideTEK 36C front view



Picture 8: Depth and height of the scanner

B.4.2 WideTEK® 48C



Picture 9: WideTEK 48C front view

The depth and the height of the housing are identical with the WideTEK® 36C scanner.

B.4.3 WideTEK® 36C / WideTEK® 48C with Floor Stand

If the scanner is mounted at the recommended floor stand, the resulting height of the complete system is 1045 mm (41.2 inch).

The combination of floor stand, paper catch basket and the document returns at the back side of the scanner makes scanning and the document handling easy and comfortable.



Picture 10: Scanner in combination with floor stand and monitor

B.5 Connectors

Please note: The definition of “left” and “right” are seen from the back side of the scanner.

B.5.1 Back Side Overview

Both scanner models are equipped with the main switch at the back side and with connectors for:

- External power supply
- Network cable
- Video signal
- Foot pedal switch
- Recovery key

Differences only exist at the left side in position and type of the video connector.



Picture 11: Back of WideTEK 36C

Note: Picture 11 shows an earlier version of the WideTEK® 36C back side.

B.5.2 Connector at the right back side



Picture 12: Recovery Key connector, covered with plastic cap

On the scanner's right back side find the Recovery key connector.

To protect the sensible pins of the connector, it is covered with a cap.

Remove the cap before connecting the Recovery key to the scanner.

Note: The recovery function should only be activated by an administrator!

Cover the connector again after removing the Recovery key.

B.5.3 WideTEK® 36C Connectors at the left back side



Picture 13: Left, back side of the scanner

For easy orientation, a label beside the connectors shows and names each connector.

B.5.4 WideTEK® 48C Connectors at the left back side



Picture 14: Main power switch and connectors

For easy orientation, a label beside the connectors shows and names each connector.

C Assembling the Floor Stand

C.1 Contents of Floor Stand Box

The cardboard box of the floor stand contains a plastic bag with all screws, washers, and tools required to assemble the floor stand.



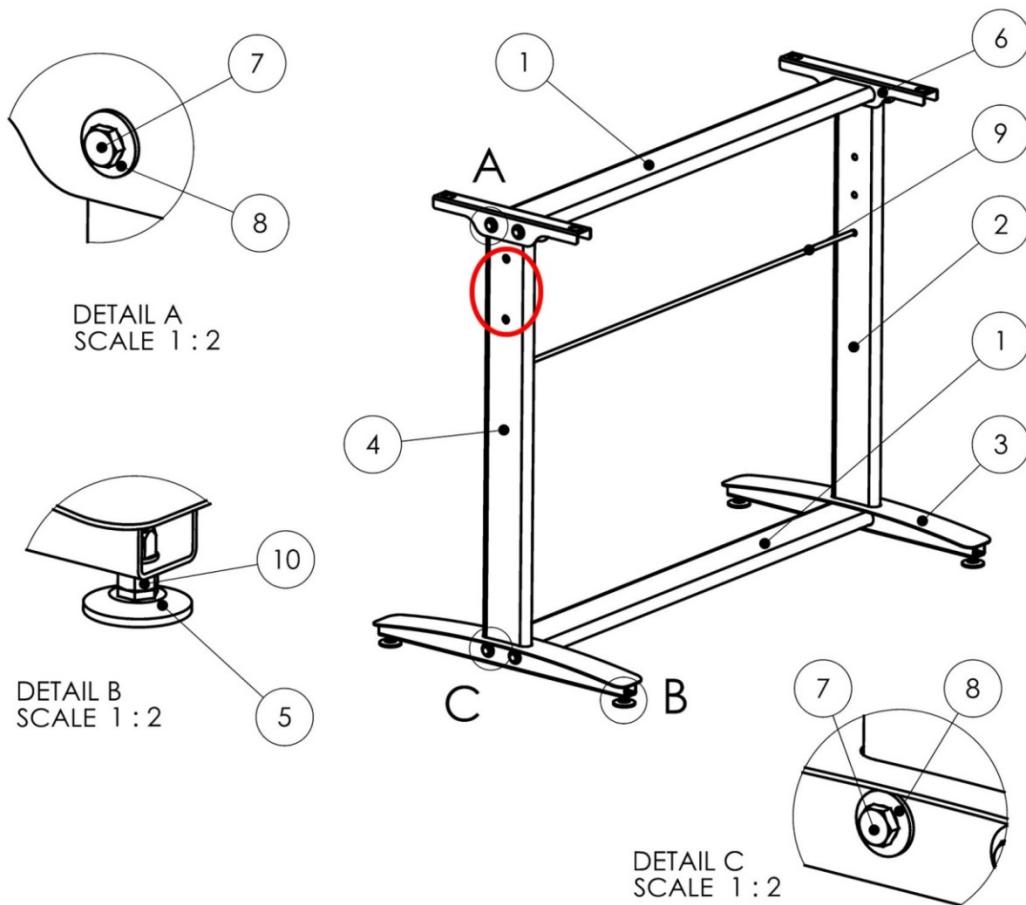
Picture 15: Floor stand box opened

Picture 16: Assembling material

- 1: Plastic bag with assembly material

C.1.1 Parts of Floor Stand

The graph below shows and numbered all parts of the floor stand.



Picture 17: Parts of floor stand

Details in the drawing are marked by capital letters and a red circle. The red circle in the drawing marks the thread nuts

#	Amount	Description
1	2	Crossbeam
2	1	Vertical leg without threaded bushes
3	2	Crossbeam foot
4	1	Vertical leg with threaded bushes
5	4	Adjustable foot. Pre-mounted at item #3.
6	2	Upper longitudinal foot
7	8	Screw ISO 4014 – M8x50x22
8	8	Washer DIN 9021 – 8.4 (8x)
9	1	Rod 8x982 mm (WideTEK® 36C)/ 8x1287 mm (WideTEK® 48C)
10	4	Hexagon nut. Pre-mounted at item #3.

C.1.2 Dimensions of Floor Stand Parts

Most parts of the floor stand are identical.

Because of mechanical dimensions of the scanners, the floor stands differ in a few details.

Length of crossbeam:

WideTEK® 36C: 966 mm

WideTEK® 48C : 1271 mm

Length of upper longitudinal foot:

WideTEK® 36C / WideTEK® 48C: 320 mm

Height of vertical leg:

WideTEK® 36C / WideTEK® 48C: 830 mm

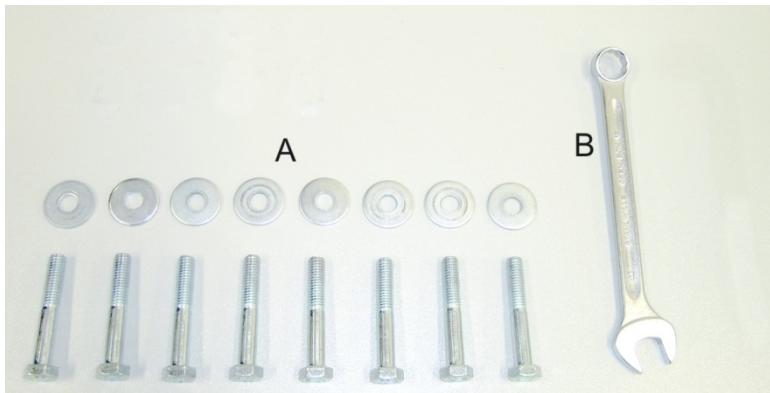


The upper longitudinal feet for the WideTEK 36C / 48C floor stand have a bore hole at each end with a diameter of 24 millimeter.

C.1.3 List of Assembling Material and Tools

A 8x screws ISO 4014 – M8x50x22

8x washer DIN 9021 – 8.4



B Combination wrench, size 13

C.2 Assembling the Floor Stand

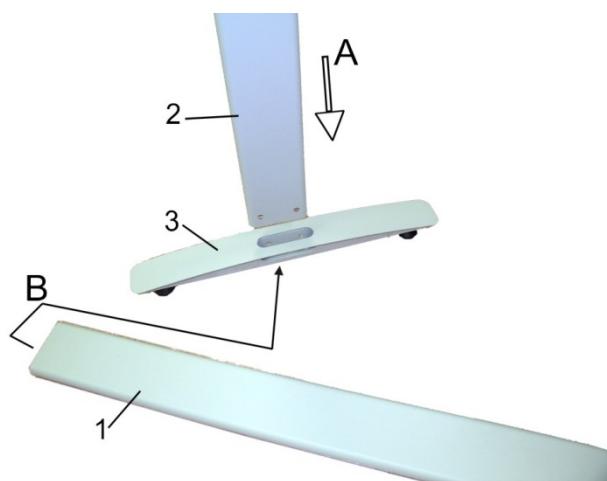
Start with a crossbeam (component #1), a vertical leg (component #2 or #4), and a crossbeam foot (component #3).

Note: The three holes on the vertical legs (component #2 or #4) must be placed

- at the side where the crossbeam will be mounted,
- in the upper part of the vertical leg.

The drawing in Picture 17 illustrates the correct position.

The two holes with threaded bushes of component #4 (marked with red circle) will be used to hold the monitor mount. They must be positioned at the outside.



Step A: Insert a vertical leg (#2 or #4) into a crossbeam foot (#3). Each crossbeam foot has a cutout for the vertical leg.

The crossbeam feet are designed symmetrically, therefore they fit on the left and the right side.

Step B: Insert the lower crossbeam (#1) in the combination of vertical leg and crossbeam foot.

Picture 18: Assembly steps

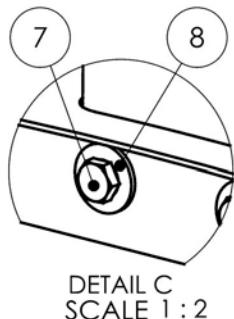
Picture 19 shows the result of step A and step B.



Picture 19: Lower crossbeam combined with foot and vertical leg

Fasten the three components with two screws ISO 4014 – M8x50x22.

The drawing “Detail C” shows, how the screw (item #7) and washer (item #8) must be combined.



Picture 20: Drawing “Detail C”



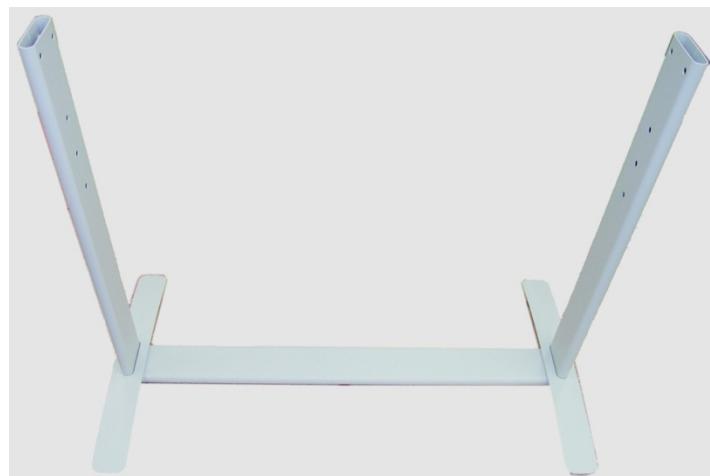
Picture 21: Inserting screws with washer

Tighten the screws with the combination wrench, size 13, which comes with the floor stand.

Note: All screws should only be hand-tightened at first. The components should be a little movable against each other until all parts are assembled.

Repeat the steps described above with the second crossbeam foot and the second vertical leg.

Picture 22 shows the floor stand after the previously described assembly steps.



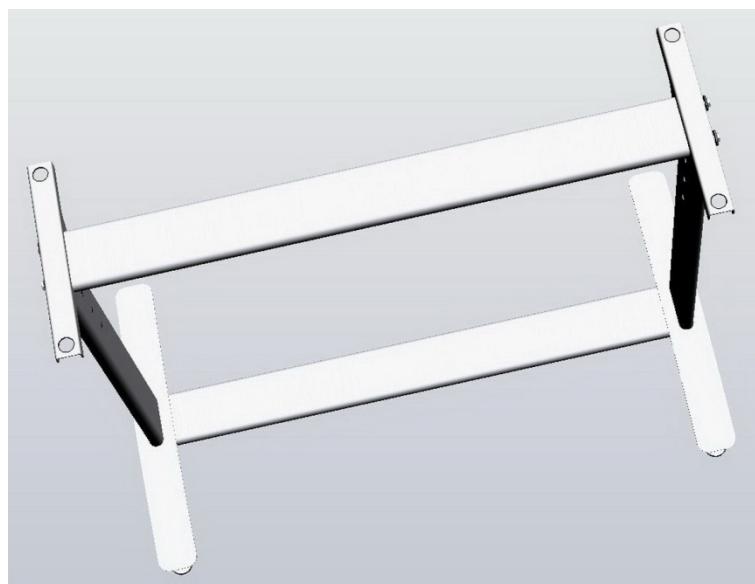
Picture 22: Bottom and side components assembled

Place the upper longitudinal feet (item #6) at the vertical legs. The oval cut-out must face to the inner side.



Picture 23: Upper longitudinal foot on vertical leg

Insert the second crossbeam between the vertical legs.



Picture 24: Upper crossbeam inserted

Assemble the upper crossbeam, the upper longitudinal feet and the vertical legs at both sides with two ISO 4016 – M8x50x22-WS screws and washers at each screw.

Tighten the screws with the combination wrench, size 13.

Tighten all eight screws with the combination wrench, size 13

Finally, insert the rod between the vertical legs. This rod supports the paper output tray. It has three positions for adjusting the height of the paper output tray.



Picture 25: Inserting the rod

The floor stand is complete now.



Picture 26: Floor stand complete

Picture 26 shows the floor stand with the inserted rod. The threaded bushes (red circle) are positioned to the outside.

C.3 Securing the scanner at the floor stand

The upper longitudinal feet of the floor stand have a bore hole at each end. The position of the bore holes correspond with the distance of the rubber feet at the bottom side of the scanner.

Place the scanner at the floor stand with the rubber feet into the bore holes.

No additional screws which have to be inserted. The scanner is securely held by its own weight.

C.4 Monitor Mount

A monitor mount is available with the floor stand for the WideTEK scanners.

The monitor mount is delivered with all necessary tools and mounting material in a plastic bag. A separate list shows the content of the plastic bag.

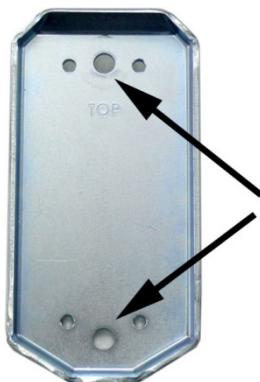
C.4.1 Parts of the Monitor Mount



Picture 27: Parts of monitor mount

The components used to assemble the monitor mount to the floor stand are:

- 1: 2x Hexagon head screws; M8 x 16, with washer
- 2: Base plate
- 3: Allen wrench 2.5 mm
- 4: Monitor mount



Picture 28: Base plate with marking „TOP“

The arrows in Picture 28 show the holes where the screws must be inserted.

C.4.2 Assembling the Monitor Mount

C.4.2.1 Assembling the Base Plate

Tool: Combination wrench, size 13

One of the vertical legs has two threaded bushes. When assembling the floor stand, these two threaded bushes must be positioned outside of the vertical leg. In Picture 17, component #4 shows the position marked with a red circle.

Use two hexagon head screws to fasten the base plate at the vertical leg.



Picture 29: Assembling the base plate to the vertical leg

Assemble the base plate with the hexagon head screws and the washers which come with the Monitor Mount.



Picture 30: Base plate fastened with hexagon head screws

Fasten the screws with the combination wrench.

C.4.2.2 Monitor Mount fastening on Base Plate

Slide the monitor mount at first on the upper side of the base plate.



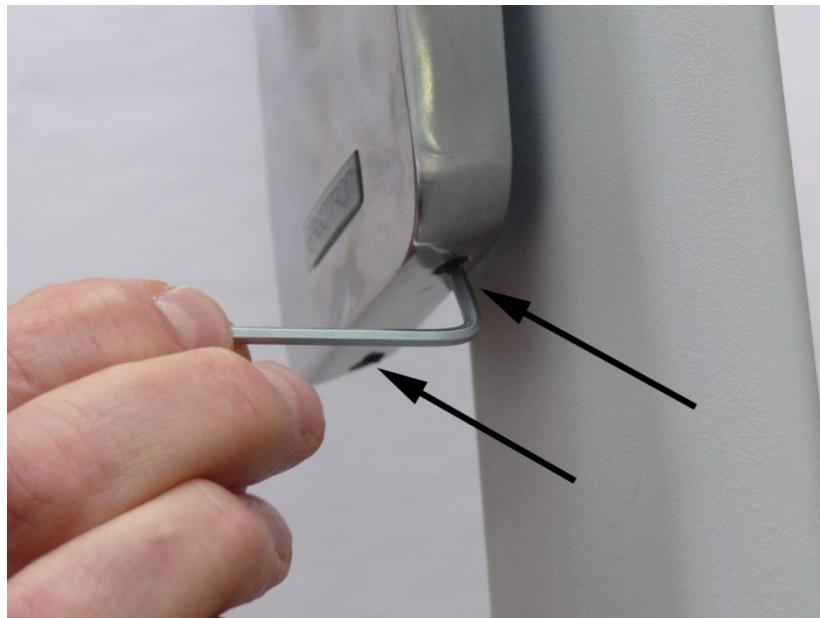
Picture 31: First step monitor mount on base plate

Then slide the lower side of the monitor mount over the base plate.



Picture 32: Final position of monitor mount at base plate

Finally fix the monitor mount with two Allen head screws. The Allen head screws are located at the bottom side of the monitor mount.



Picture 33: Fixing the monitor mount

Use the Allen wrench 2.5 mm to fasten the screws.

The monitor mount can easily be moved to a position which matches with the operator's needs.



Picture 34: Floor stand with monitor mount

The monitor should always be mounted to the holding plate with four screws.

D Setup and Adjustments

The WideTEK® 36C / WideTEK® 48C allow some adjustments directly via the touch screen, e.g. auto focus setting and White Balance calibration.

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

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



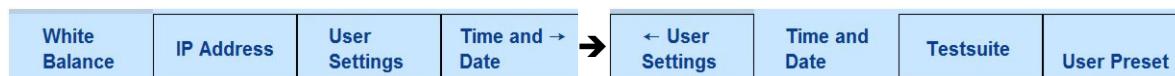
Picture 35: Viewer & Job Control screen

Please note: The screenshots are taken from a WideTEK® 36C; they represent both scanner versions.

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

The head line shows four of the six available setup menus.

The small arrow in the menu **User Settings** indicates that the head line can be scrolled to show also the other menu items.



Picture 36: Setup menu items

The small arrow changes its position when the head line has been scrolled.



Touching the **Home** button returns the touchscreen from the setup menu to the Kiosk application menu.

D.1 White Balance

The White Balance function is the most important function for consistent image quality. With the White Balance function changes in the scanned documents can be compensated. To get the best quality while scanning, it is recommended to execute the White Balance function in regular intervals.

D.1.1 Information about the White Balance Function

The scanner has an integrated light source with known and stable quality, existing of white LEDs of the most current design.

At the first step during the white balance the scanner's sensibility is set in a way that the brightest zone results in a nearly saturated output signal level. This ensures that the maximum sensitivity range is used.

After this adjustment, irregularities in the light distribution can be measured. These irregularities can be caused by ambient light source, by irregularities in the optic or from uneven brightness of the illumination.

The result of this measurement results in a corrective function, which will set the brightness over the whole scan area to a consistent level.

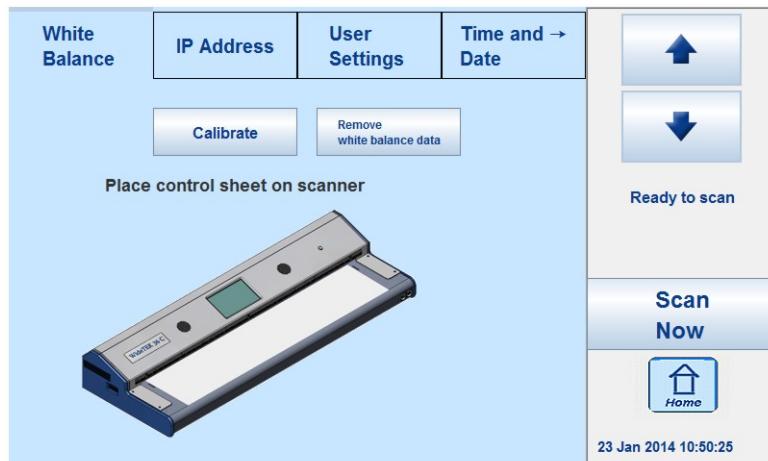
The reference target used for the white reference function has an important influence at the result of the white balance. The white reference target consists of a material which diffuses the light of the camera. If the test target has wrinkles or dirt visible to the eye on it, they are also visible for the camera. These areas will be over-compensated.

Although the internal software can eliminate those faults up to a certain degree, it comes to unfavorable results if the reference target does not exist of the defined quality.

If the reference target of the defined quality, the scanner will be successfully calibrated. Calibration means, that the "White" of the reference target with the described illumination results in a "White" at the digital output.

The regular performance of the white balance function is recommended in order to obtain the best scan results.

D.1.2 Performing the White Balance



Picture 37: Setup menu, start screen

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

Whenever it is necessary to perform a White Balance calibration, the touchscreen shows how to position the reference target for optimal calibration.

Place the reference target **WT36A-WA-01-A** as shown. The reference target is delivered with the scanner.

Touch the **Calibrate** button.

During the calibration sequence the reference target will be transported forward and reverse.

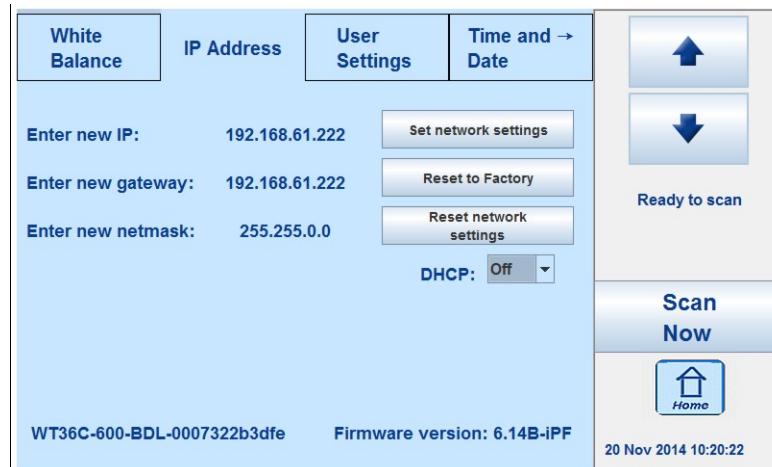
The calibration sequence will take approximately 15 seconds.

At the end of the calibration sequence, the results will be displayed on the touchscreen and the reference target will be parked at the document table.

Press at the button **Remove white balance data** to delete the white balance data.

Repeat the white balance measurement after deleting the former data.

D.2 IP Address



Picture 38: IP Address mask

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

Resets all network parameters to factory default settings.

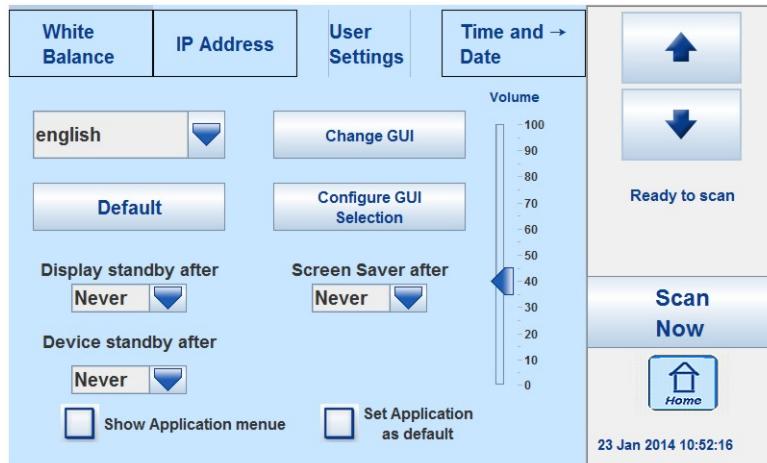
Reset network settings

Resets all network parameters to previously defined value when pressed.

If a **WLAN module** is installed in the scanner, the name and the IP address will be displayed below the line **Enter new netmask**.

Device type and the firmware version are displayed in the bottom line of the screen.

D.3 User Settings



Picture 39: 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.

Please note: The language of the setup menu mostly remains in English.

The changing of the language will be activated after touching the **Home** button.

Default

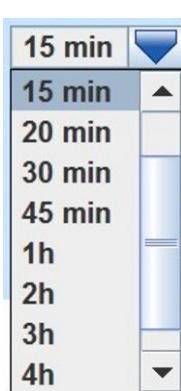
Returns all scanner settings to default values.

Change GUI

Opens a menu window, which shows the predefined settings (presets) and allows selecting one of these. Chapter D.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 D.3.2 describes more details.



- Display standby after** Sets the time of inactivity after the external display and the touchscreen switches to standby. The touchscreen and the external display turn to black.
They will return after pressing the standby button or touching the touchscreen.
- Screen Saver after** Sets the time of inactivity after the screen saver is activated.
- Device standby after** Sets the time of inactivity after the scanner switches to standby mode. Click at the selection arrow and select the value from the list.

It is recommended to restart the scanner after changing the standby settings.

- Volume** Click at the selection arrow to set the volume for audio signals.
- Show Application menu** To show the application menu when starting the scanner, click at the checkbox.
A little checkmark in the checkbox indicates when the function is activated.
- Set Application as default** To activate automatically the application when starting the scanner, click at the checkbox.
A little checkmark in the checkbox indicates when the function is activated.

D.3.1 Change GUI



Picture 40: Selectable presets

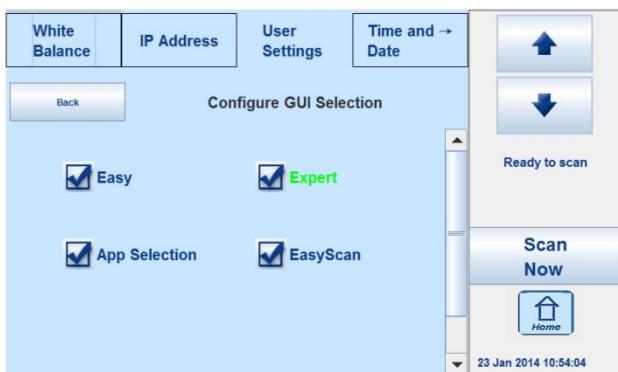
The **Change GUI** menu shows all predefined settings (presets). By default, the presets **Easy** and **Expert** are defined.

Selecting **App Selection** switches the touchscreen to the system start screen, followed by a selection screen with the presets.

After selecting one of the presets, the scanner starts in **Job Mode** with the selected preset.

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

D.3.2 Configure GUI Selection



Picture 41: 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.

D.3.3 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**.

 Show Application menu

Application menu will not be displayed when the scanner starts.

 Show Application menu

Application menu will be displayed when the scanner starts.

D.3.4 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**.

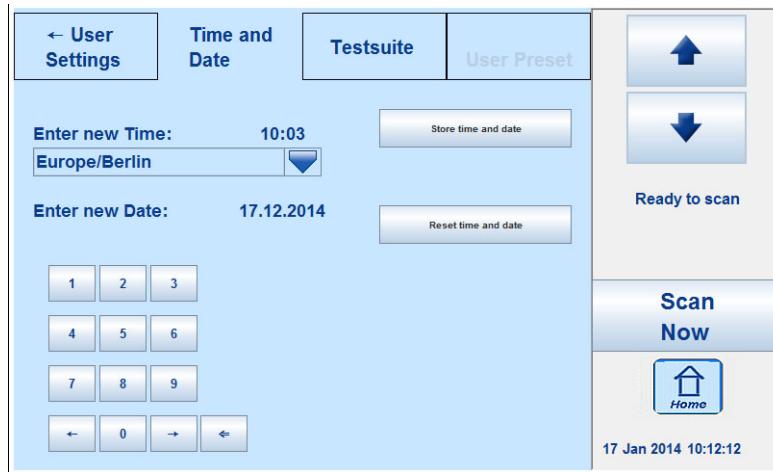
 Set Application
as default

Application will not be used as standard when the scanner starts.

 Set Application
as default

Application will be used as standard when the scanner starts.

D.4 Time and Date



Picture 42: Time and date

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

Touch the line at the desired position to move the “cursor”.

To delete a digit, place the cursor at the right side of the digit and press the “<=” button. The 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.

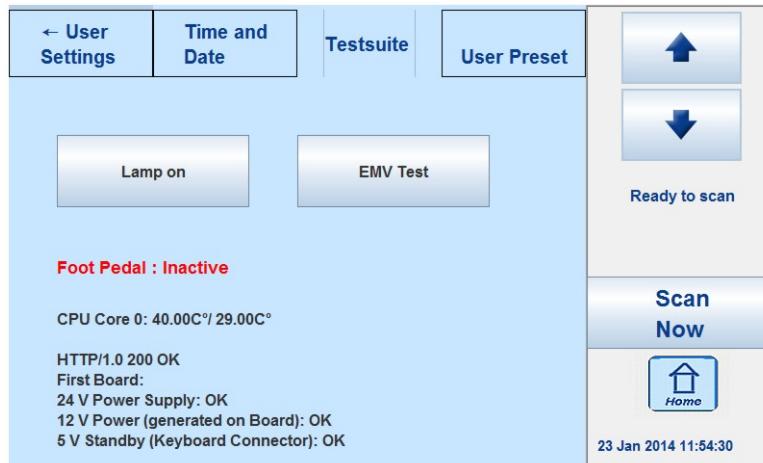
Touch the selecting arrow. A list with the available values opens.

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.

D.5 Testsuite



Picture 43: Testsuite screen

This function will be used for testing purposes.

Furthermore the screen shows some status information of the scanner.

Lamp on: Switches the integrated lamps permanently on. While the lamps are illuminated, the text on the button changes to **Lamp off**.

Push the button again to switch the lamps off.

EMV Test: This button starts the EMV test function.

EMV test function means, that the scanner scans permanently without any additional operator action.

Starting the EMV test:

Insert an appropriate document, for example the CSTT-1 test target which comes with the scanner.

Push the **EMV Test** button.

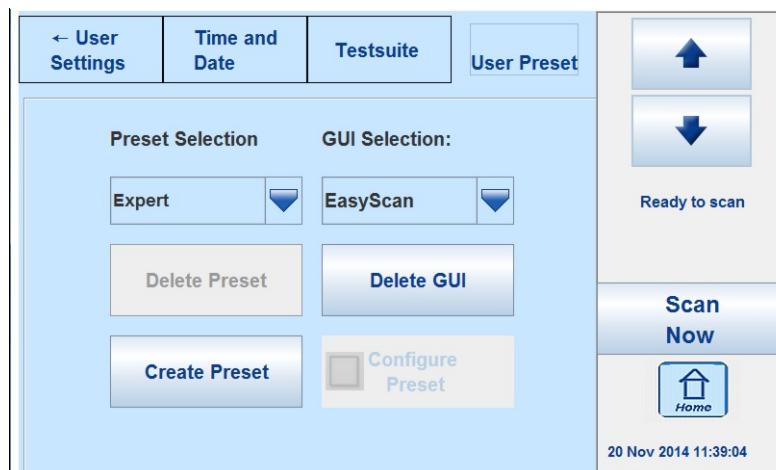
The document will be transported through the scanner and scanned. After a defined length the transport stops and the document will be transported in reverse direction. This sequence will be repeated continuously.

Stopping the EMV test:

Push the **Home** button.

The test mode will be stopped and the touchscreen returns back to the kiosk application.

D.6 User Preset



Picture 44: 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.

D.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 45: 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.

D.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 46: Selecting the preset content

D.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.

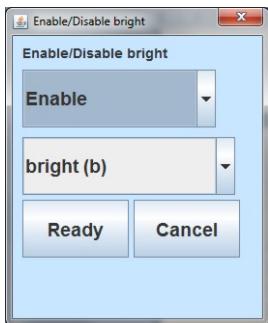
The first line always shows **Disable <name of the selected function>**.



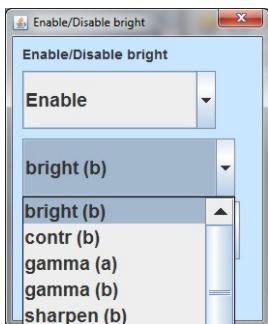
Disable: Disables the selected function.

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.

D.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 **Fehler! Verweisquelle konnte nicht gefunden werden.**).

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

D.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 D.6.5) and open the setup menu again.

D.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.

D.6.5 Back to the Kiosk Application

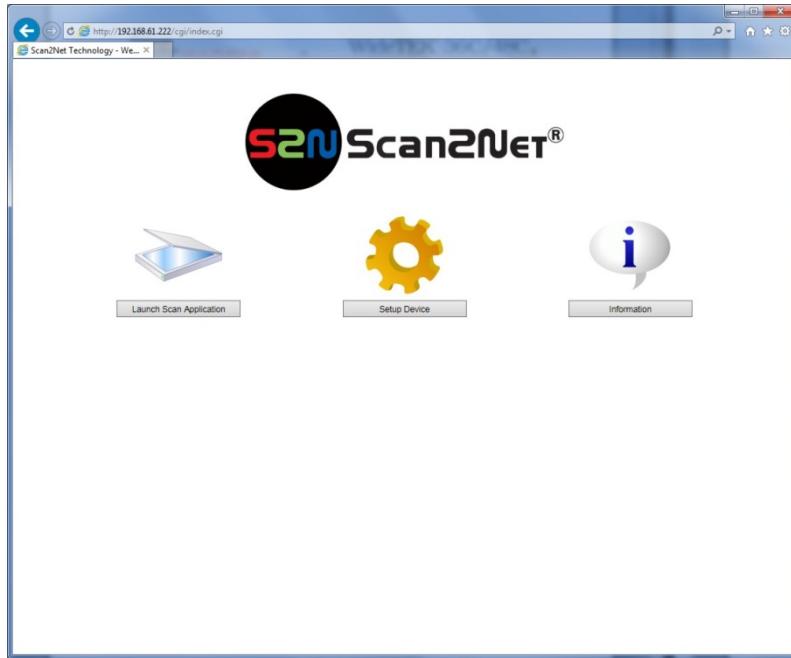


Touch the **Home** button.

The touchscreen returns to the kiosk application.

E Poweruser Level

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



Picture 47: Scan2Net 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 user 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.

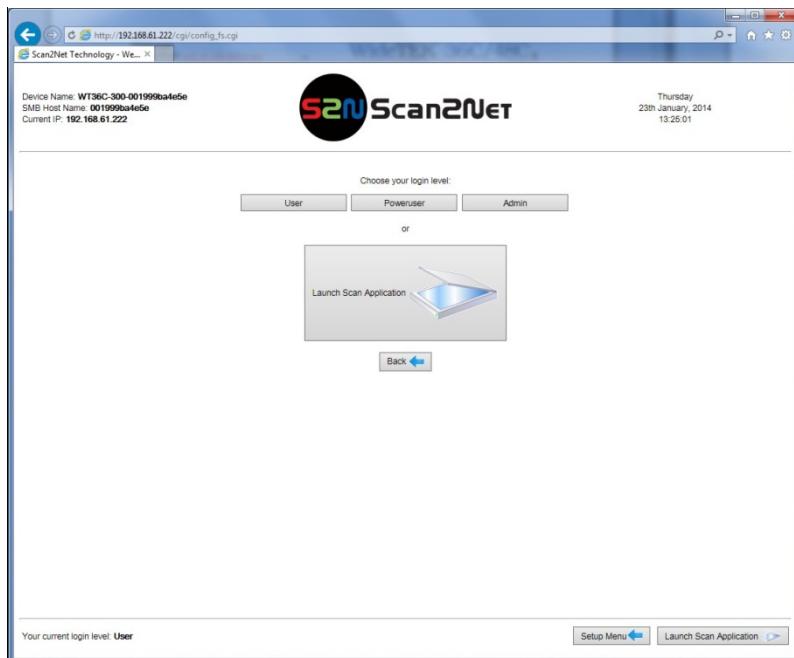
Select **Setup Device** to open the Setup menu.

E.1 Setup Menu

The login level screen shows the buttons of the login level. All login levels except the level User are password protected.

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

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



Picture 48: Login level screen

E.1.1 Selecting the Login Level

- | | |
|------------------|---|
| 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 many more. Furthermore it allows setting a few basic parameters. |
| Poweruser | Password protected level. This level allows setting 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 setting 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. |

For the steps described here, choose the login level **Poweruser**.

Enter as user name and password: **Poweruser**

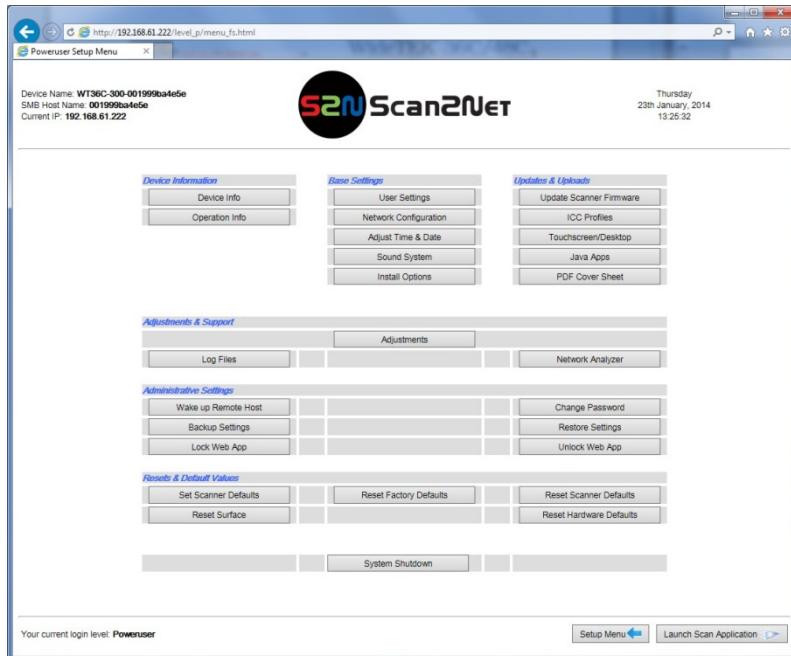
Consider the case sensitivity of user name and password.

Click the button **Apply** to finish the entry.

E.2 Main Menu

The main menu of the **Poweruser** level contains all menus of the **User** level.

The **Poweruser** start screen is structured in six sections.



Picture 49: Main menu Poweruser level

The buttons below the section titles name the parameters which can be set or modified in the respective section.

The section **Device Information** is also available from the **User** level.

The sections are sorted according to their frequency of use. Parameters often used are found in the upper sections. Parameters with lower priority are present in the middle sections.

The Set-and Reset-Functions can be found in the bottom sections.

E.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** level start menu (Picture 49).

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

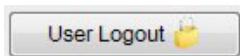
Transfers the unique key code of the option to the scanner.

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

New Values

Repeats the measurement and shows the result.

New with software 6.x or higher



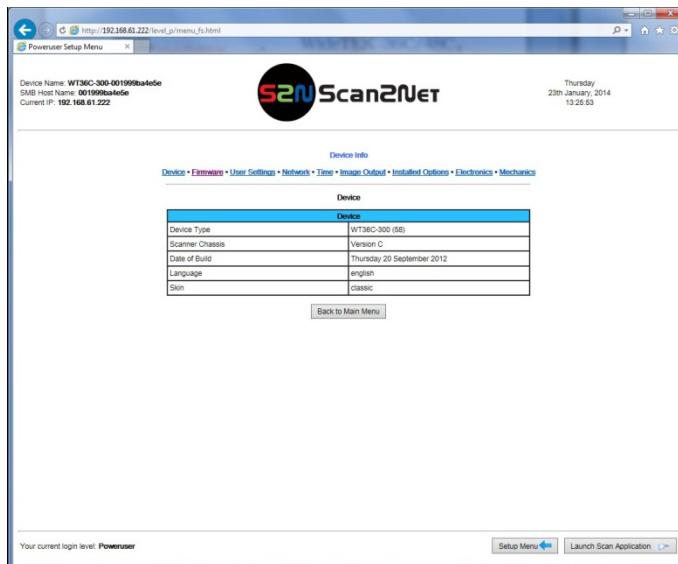
Always click at this button when leaving the setup menu to avoid unauthorized use of the setup features.

E.3 Device Information

The section **Device Information** gives basic information about the scanner. This section is divided in two parts.

E.3.1 Device Info

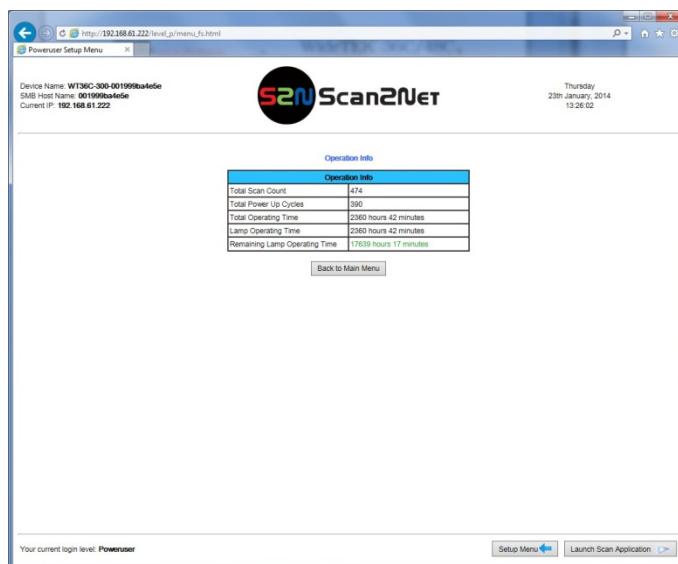
Device Info lists the hardware components and provides information about the settings for printer configuration, SMB configuration and many more. To find the information, click the respective links.



Picture 50: Device Info

E.3.2 Operation Info

Operation Info shows the scan counters and provides information about operating times of the scanner and the lamps.



Picture 51: Operation Info

E.4 Base Settings

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

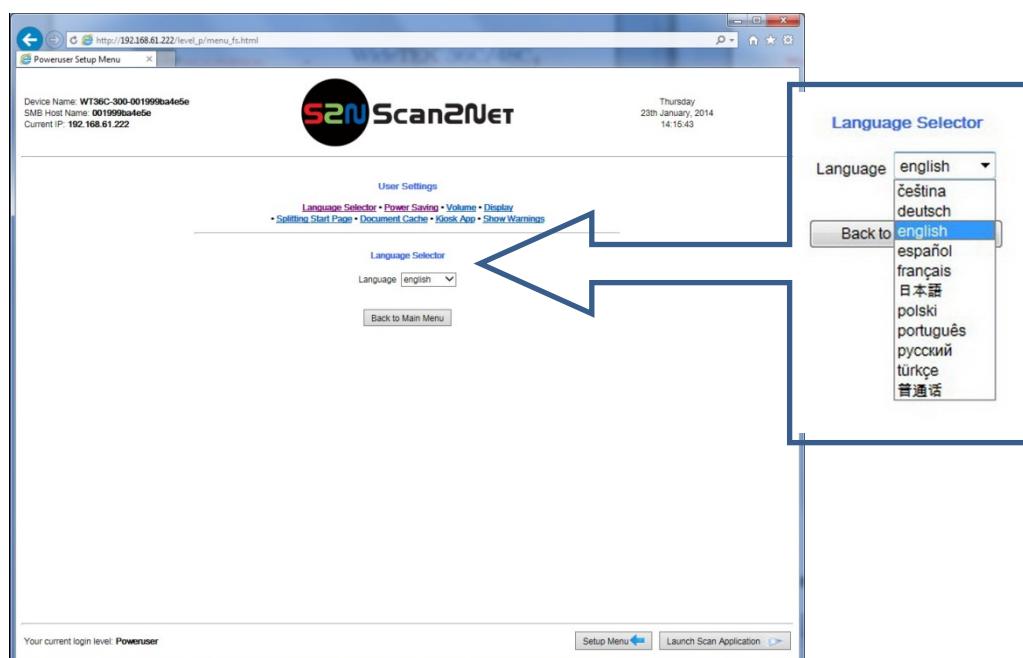
E.4.1 User Settings

The section **User Settings** is divided into subsections.

The **User Settings** start screen is the **Power Saving** screen. The following description starts with the **Language Selection** screen.

E.4.1.1 Language Selection

Use the function **Language Selector** to set the language for the Scan2Net user interface.



Picture 52: Language selector

Click on the selection arrow and the list of available languages opens.

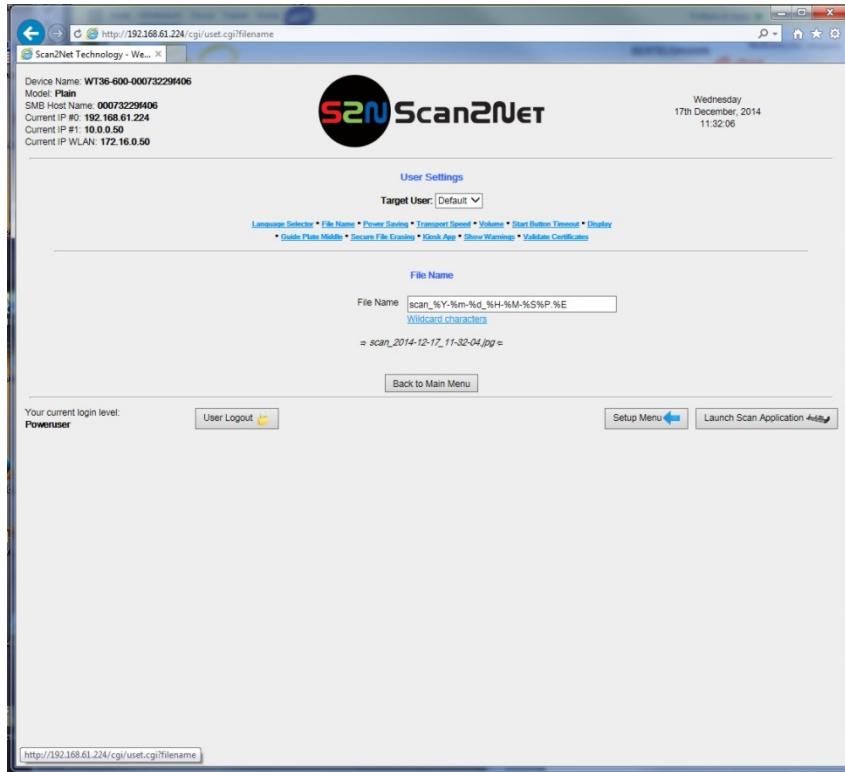
Click on the desired language. The change will be executed immediately. All texts and messages will be displayed in the selected language.

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

E.4.1.2 File Name

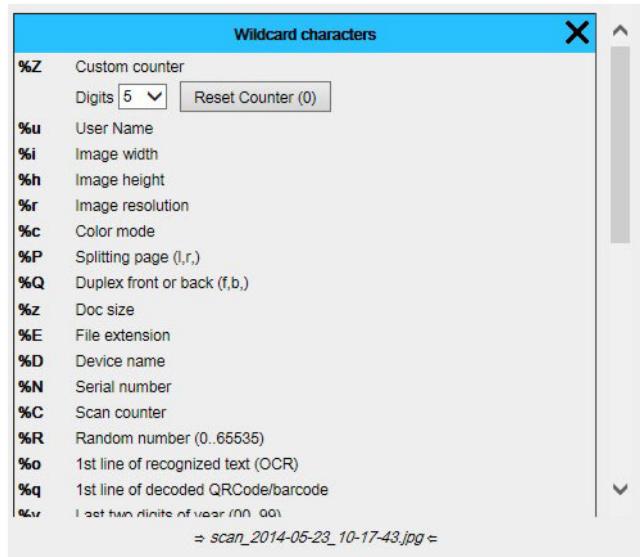
Please note: Available from firmware version 6.08.

Use the function **File Name** to define a default name which is.



Picture 53: File name

When defining the default name, variables can be used. To get a list of the variables, click at the link [Wildcard characters](#).



Picture 54: List of wildcard characters

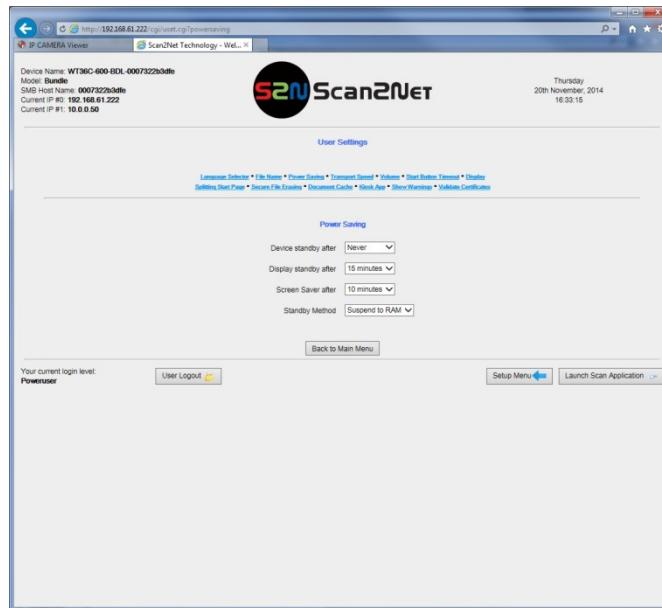
Below the field “File Name” the defined file name is displayed. To show the file name with the defined variables, reload the page.

E.4.1.3 Power Saving

Note: The **Power Saving** screen is the start screen of the **User Settings** section.

Use the function **Power Saving** to set the timers for the standby modes. Three settings can be defined.

Click on the link **Power Saving**.



Picture 55: Power Saving

Click on the selection arrow to open the list of available values for the respective standby mode. The list of available values varies with the selected standby mode.

Standby mode	Available values
Device standby	5 minutes 10 minutes 15 minutes 20 minutes 30 minutes 45 minutes 1 hour 2 hours 3 hours 4 hours Never
Display standby	
Screen Saver	
Standby Method	Suspend to RAM Power off

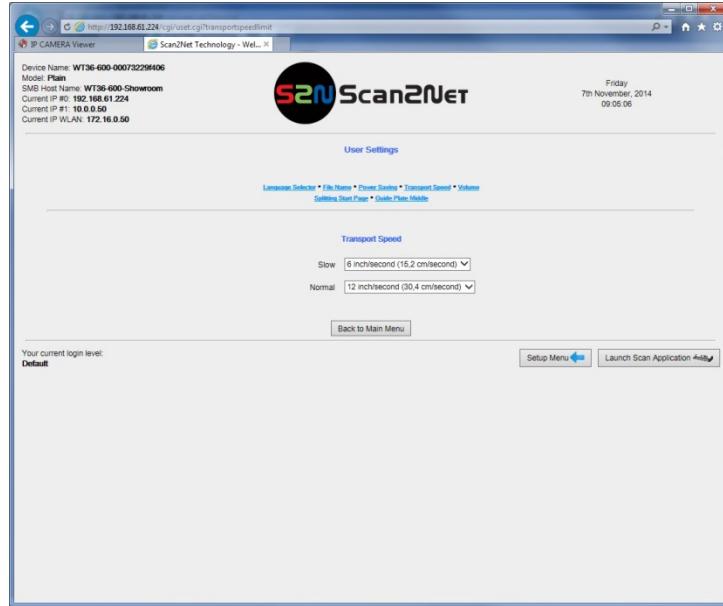
“Never” disables the power save function of the respective menu item.

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

E.4.1.4 Transport Speed

Two transport speeds are available.

Use the function **Transport Speed** to set the values.



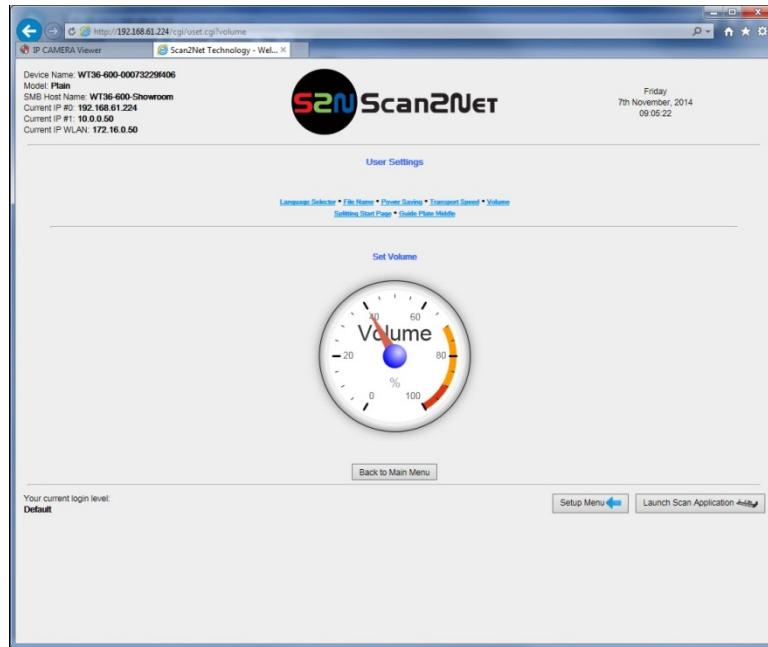
Picture 56: Transport speeds

Click at the selection arrows to display the speeds available for the setting **Slow** and **Normal**.



E.4.1.5 Volume

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



Picture 57: Volume level

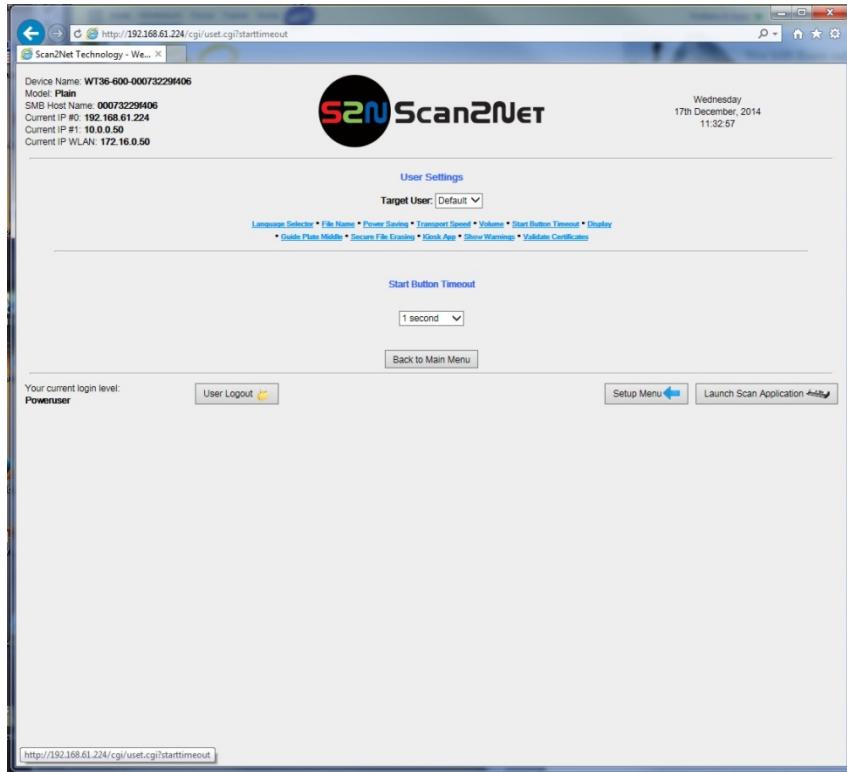
A screen opens and shows a graphic to symbolize the volume.

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

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

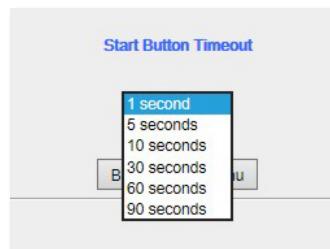
E.4.1.6 Start Button Timeout

Click on the link **Start Button Timeout** to set delay between pressing the start button and the start of the scan sequence.



Picture 58: Start Button timeout

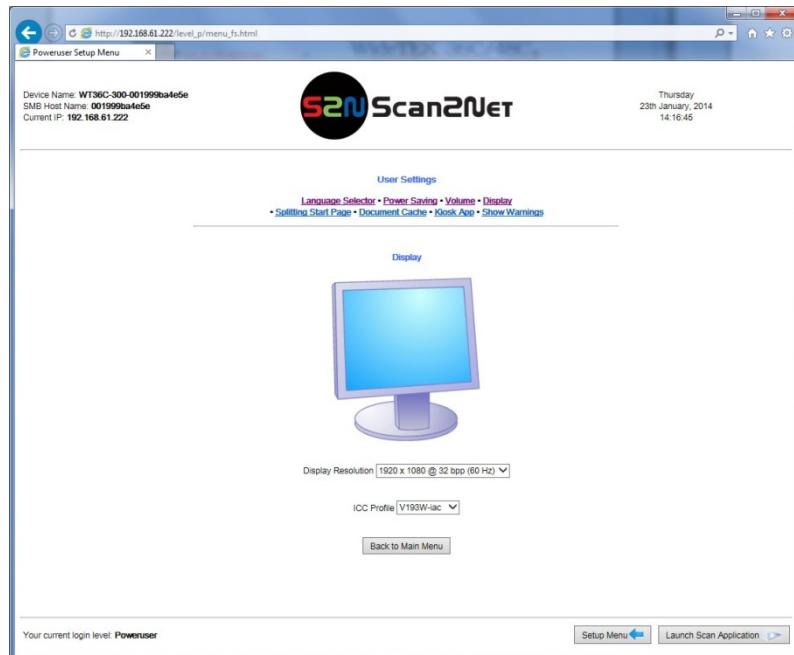
Click at the selection arrows to display the available settings for the delay.



Click at the desired value to set the time-out period.

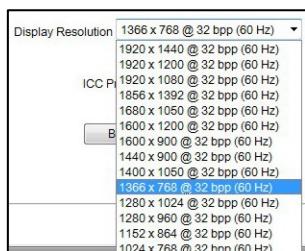
E.4.1.7 Display

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



Picture 59: Display parameters

The scanner can be equipped with an external monitor. If an external monitor is connected, parameters for the monitor can be set here.



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**.

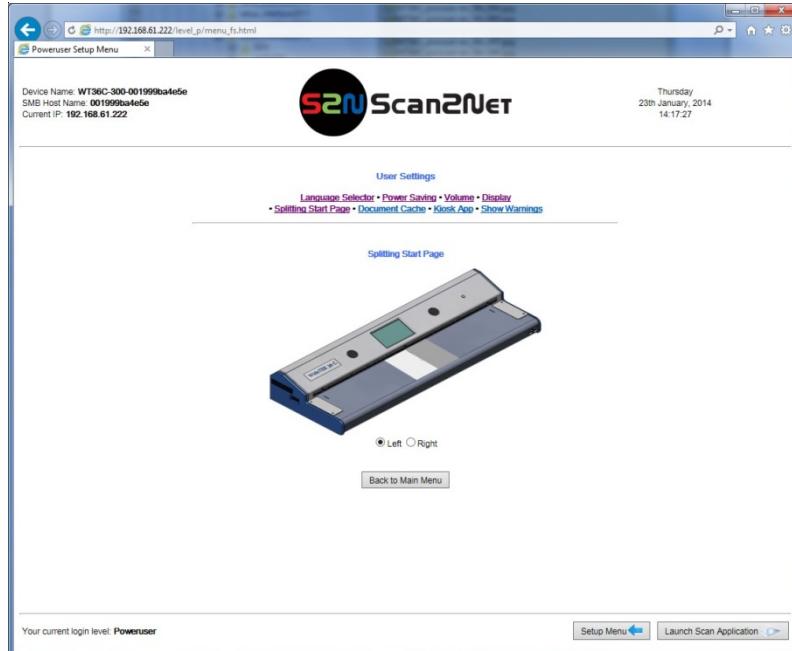
The ICC profiles available will be displayed. Select the desired profile.

Restart the scanner to activate the setting.

E.4.1.8 Splitting Start Page

Use the function **Splitting Start Page** to define the page which is displayed first, when **Splitting Image** is set to **Auto** in the user interface.

See the Operation Manual, description of Properties → Splitting Image.



Picture 60: Splitting start page

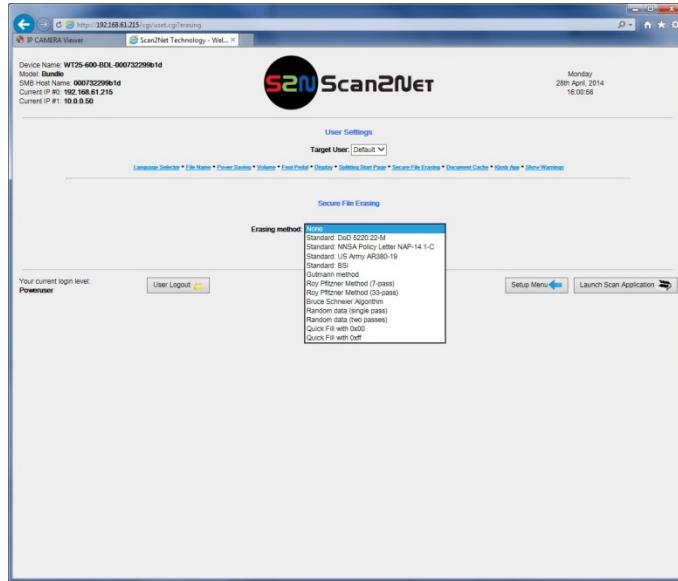
The selected start page is highlighted.

Click on the radio button to change the selected page.

E.4.1.9 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.



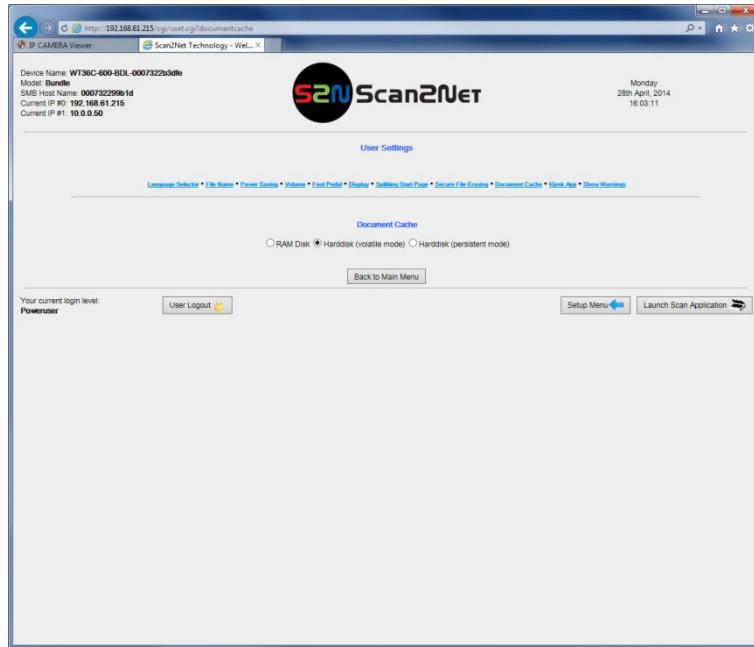
Picture 61: List of erasing methods

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

Click on the desired method in the list.

E.4.1.10 Document Cache

The data which will be generate while scanning can be stored either on the RAM Disk or on the hard disk of the scanner.



Picture 62: Document cache selector

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

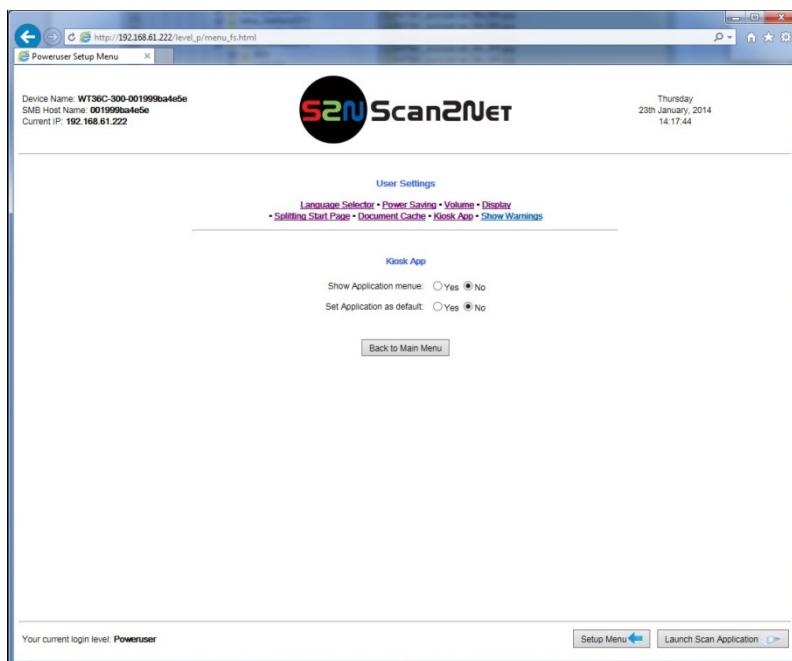
When the Job mode is finished, the data will be deleted automatically.

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.

E.4.1.11 Kiosk App

Use the function [Kiosk App](#) to define how the scanner behaves when starting.



Picture 63: Kiosk App selection

Show Application menu:

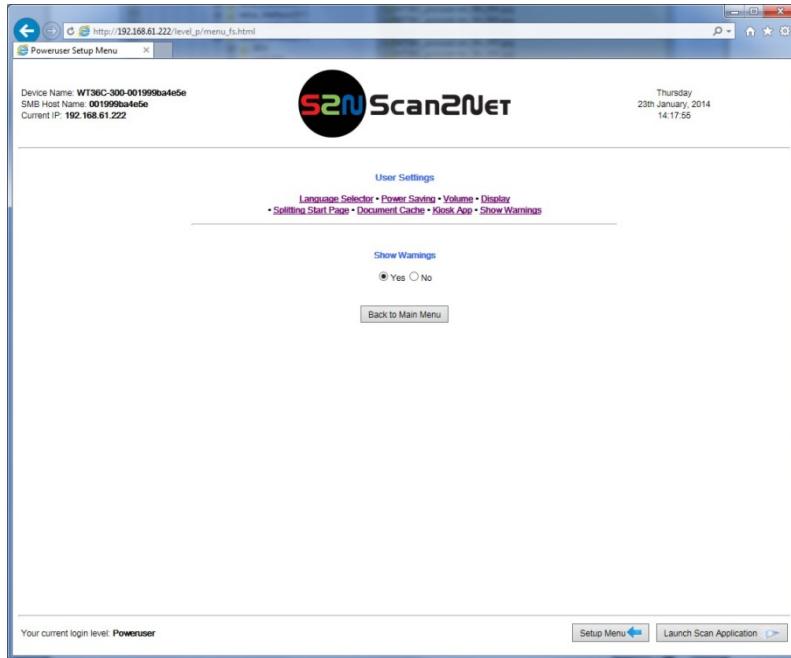
- Yes** With factory settings, the scanner's touchscreen shows at the end of the start sequence the buttons for the applications **EasyScan** and **Scan2Net**.
By touching the respective button, the scanner starts with the selected application.
- No** At the end of the start sequence the touchscreen does not show the selection screen.

Set Application as default:

- Yes** The scanner starts with the application selected in [Updates & Uploads → Java Apps](#).
See chapter E.5.4
- No** At the end of the start sequence the touchscreen shows the Scan2Net application.

E.4.1.12 Show Warnings

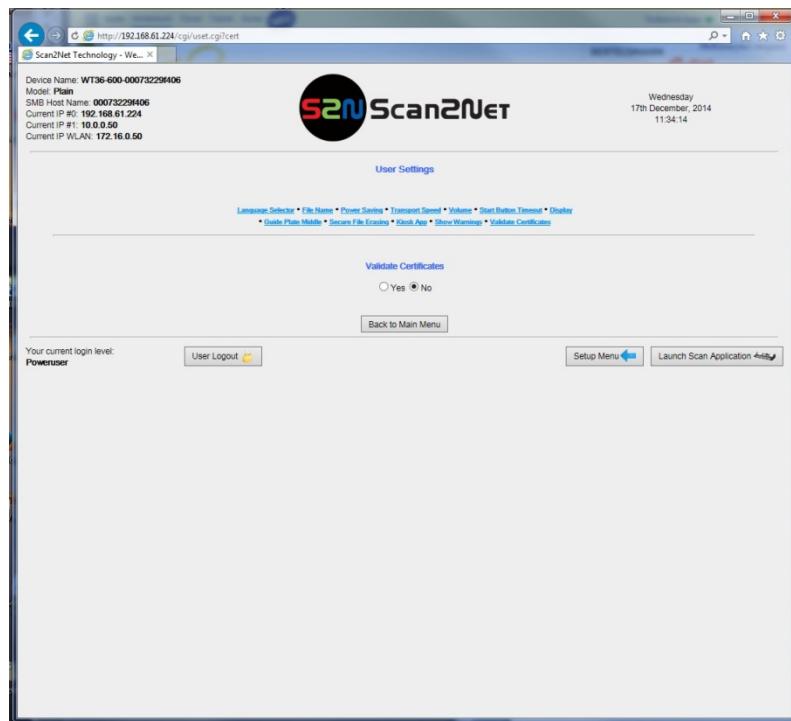
Use the function **Show Warnings** to set warning messages on or off in the Scan2Net user interface.



Picture 64: Show Warnings selector

E.4.1.13 Validate Certificates

Select **Yes** to activate the validation of certificates when scanning.



Picture 65: Validate Certificates selector

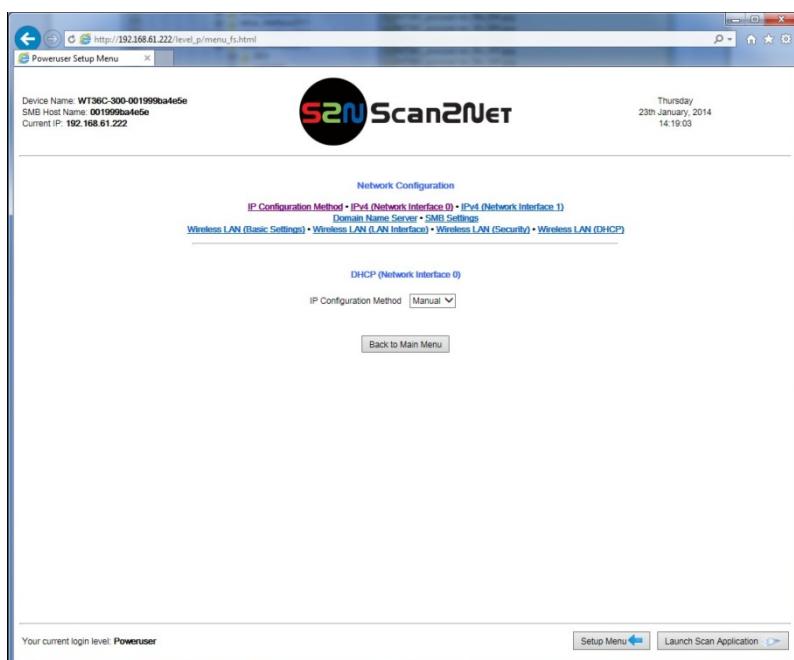
E.4.2 Network Configuration

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

The **Network Configuration** start screen is the **IPv4 (Network Interface 0)** screen, which is described in chapter E.4.2.2. The following description starts with the **IP Configuration Method** screen.

E.4.2.1 IP Configuration Method

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



Picture 66: IP Configuration Method

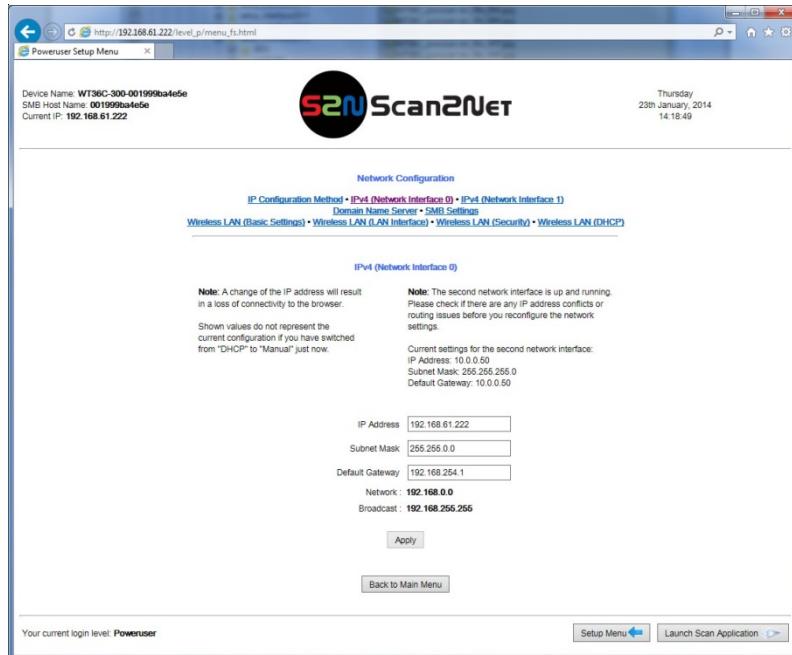
Manual	Allows setting the IP address, subnet mask, and default gateway manually; corresponding to the network where the scanner will be used. After modifying the above named values, the connection to the scanner must be restored with the new data.
DHCP	Sets the values for IP address, subnet mask, and 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.

E.4.2.2 IPv4 (Network Interface 0)

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



Picture 67: Settings of IPv4 (Network Interface 0)

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.

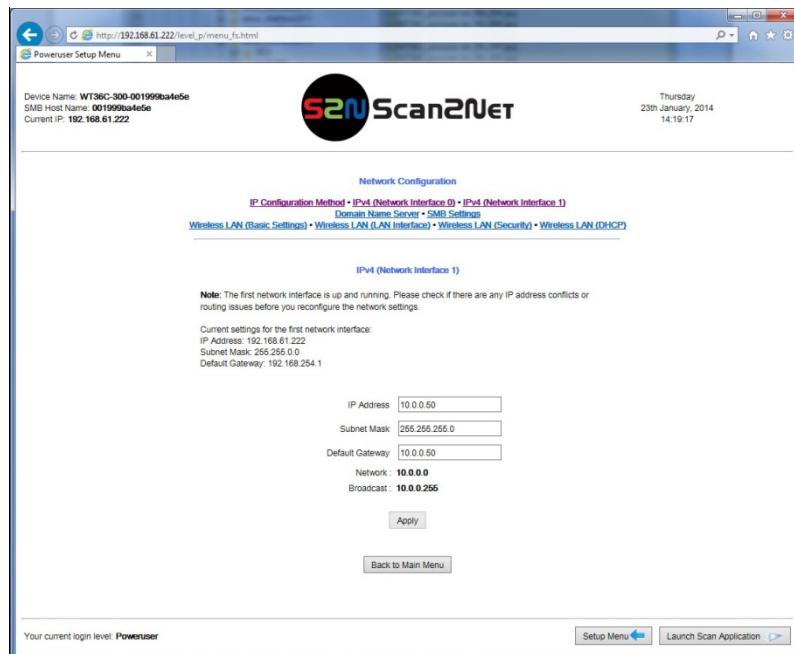
After modifying the network parameters, click on the **Apply** button to transfer the new settings to the scanner. The scanner is now accessible with its new IP address.

Note: After changing the IP address the connection to the scanner gets lost. Enter the new IP address in your browser to get re-connected with the scanner.

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

E.4.2.3 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 68: Settings of IPv4 (Network Interface 1)

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

The IP address 10.0.0.50 is pre-configured for the 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.

E.4.2.3.1 Solving a routing conflict in a network

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

If the scanner should 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 should be integrated.
2. The “Network Interface 0” parameters of the scanner must be set temporarily to factory values. This can be done directly from the touchscreen (see chapter D.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 E.4.2.10.
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 E.4.2.8. 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 gets temporarily lost.

8. Select Base Settings → Network Configuration → IPv4 (Network Interface 1). See chapter E.4.2.3. Set the parameters for “Network Interface 1” as follows:

IP address: 172.16.0.50

Subnet mask: 255.255.255.0

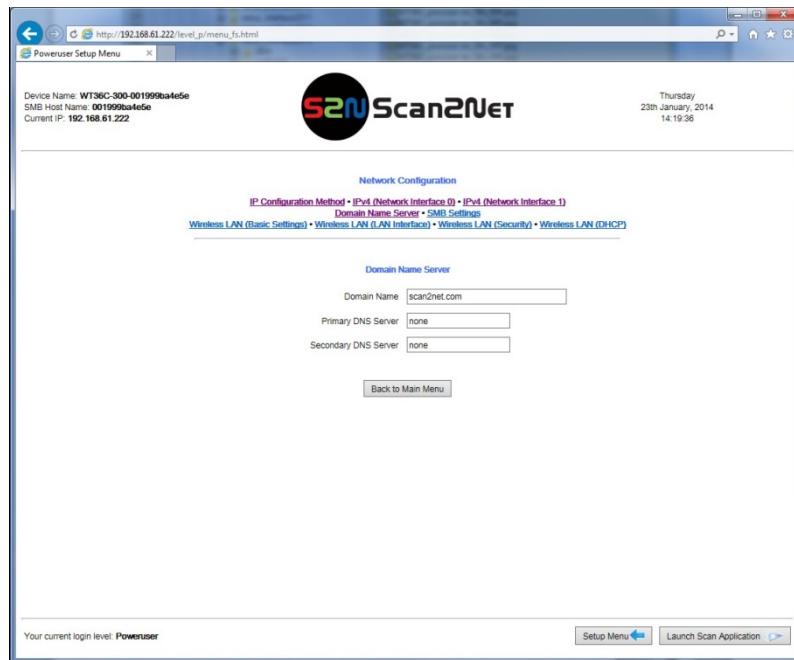
Default gateway: 172.16.0.50

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 E.4.2.2. Enter the previously noted parameters according to the network in which the scanner should be used.

E.4.2.4 Domain Name Server

This section defines the parameters for the [Domain Name Server](#).

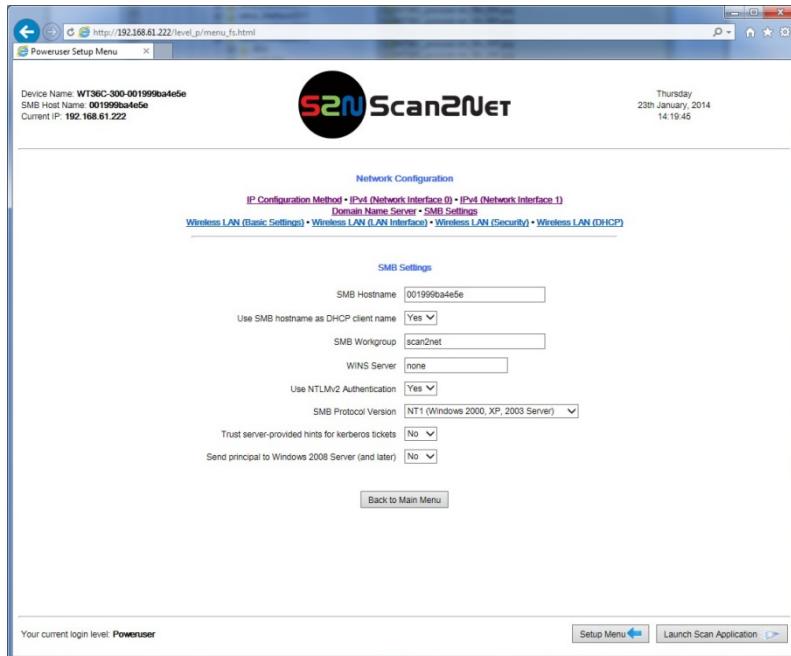


Picture 69: Domain Name Server parameters

- | | |
|-----------------------------|---|
| 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. |

E.4.2.5 SMB Settings

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



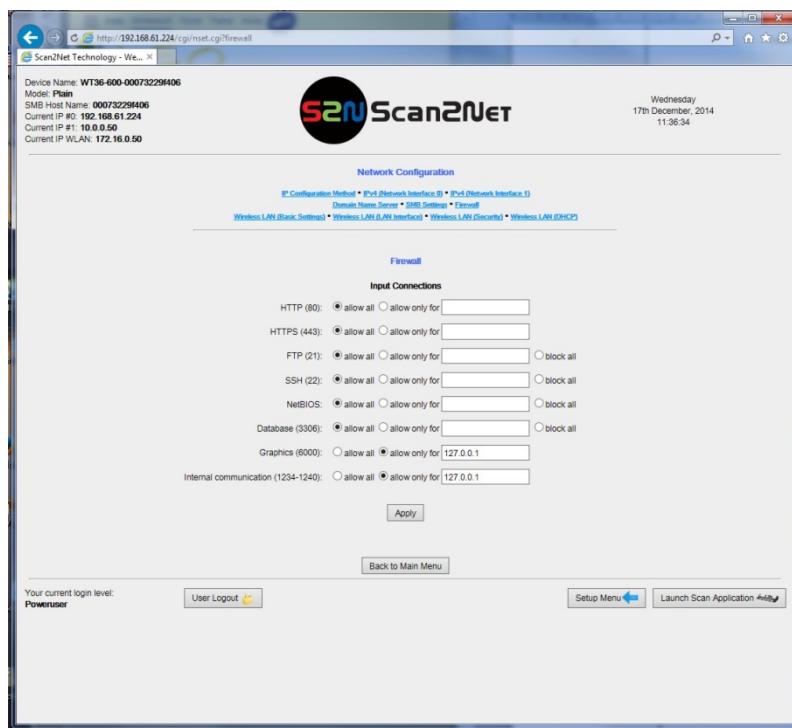
Picture 70: SMB Settings

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 name	Select “Yes” if the SMB host name should be used as client name for DHCP.
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.

E.4.2.6 Firewall

This section allows setting the firewall parameters.



Picture 71: Firewall settings

The standard ports for the protocols are displayed in brackets.

- | | |
|-----------------------|--|
| allow all | No restriction for the use of the protocol |
| allow only for | Enter the IP address or the address range in CIDR notation for the devices which are allowed to use the protocol.
CIDR notation means e.g. 192.168.0.x/24 or 172.16.x.x/16. |
| block all | Blocks all communication for the protocol. |

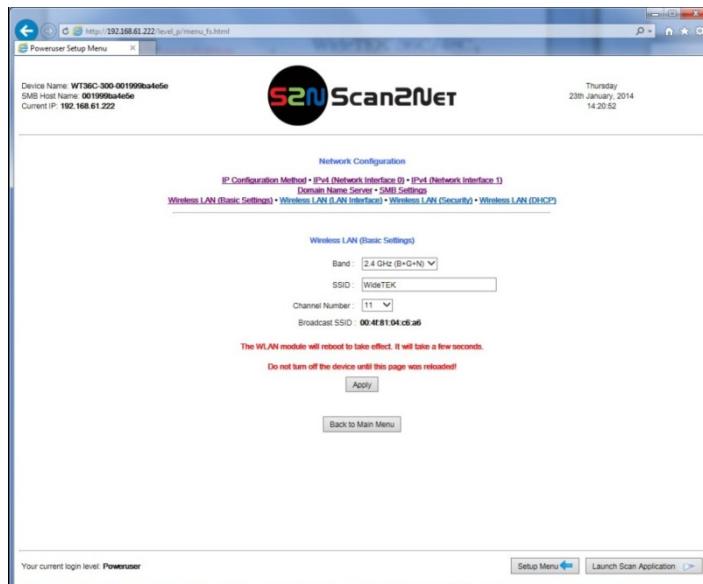
After modifying the values click at the **Apply** button to transfer the modified settings.

Note: The menus described in chapters E.4.2.7 to E.4.2.10 concerning the wireless LAN configuration will only be displayed if a WLAN module is installed in the scanner.

E.4.2.7 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 72: Wireless LAN Basic Settings

Note: The default settings are recommended.

Band Click on the selection arrow to open the list.

Select from the list the desired band for the WLAN communication.

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.

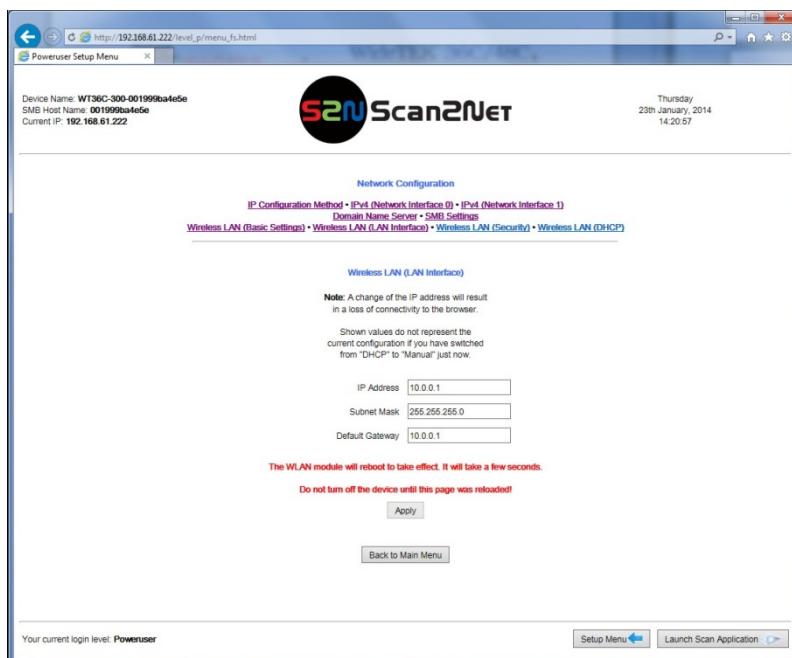
After modifying the WLAN parameters, click at the **Apply** button to transfer the new settings.

Follow the note regarding the reboot sequence.

E.4.2.8 Wireless LAN (LAN Interface)

Use the function **Wireless LAN (LAN Interface)** to define the parameter of the secondary LAN interface of the motherboard. This interface is used to connect the Wireless LAN module with the motherboard..

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 73: Wireless LAN (LAN Interface)

IP address Enter the IP address of the secondary LAN interface of the motherboard.

Subnet Mask Enter the value for the subnet mask.

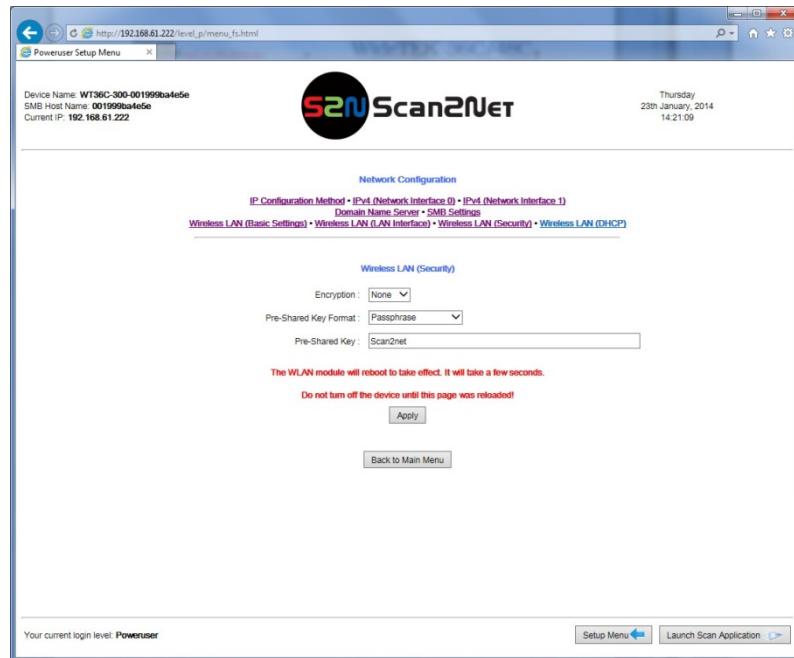
Default Gateway Enter the value for the gateway.

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

E.4.2.9 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 74: 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

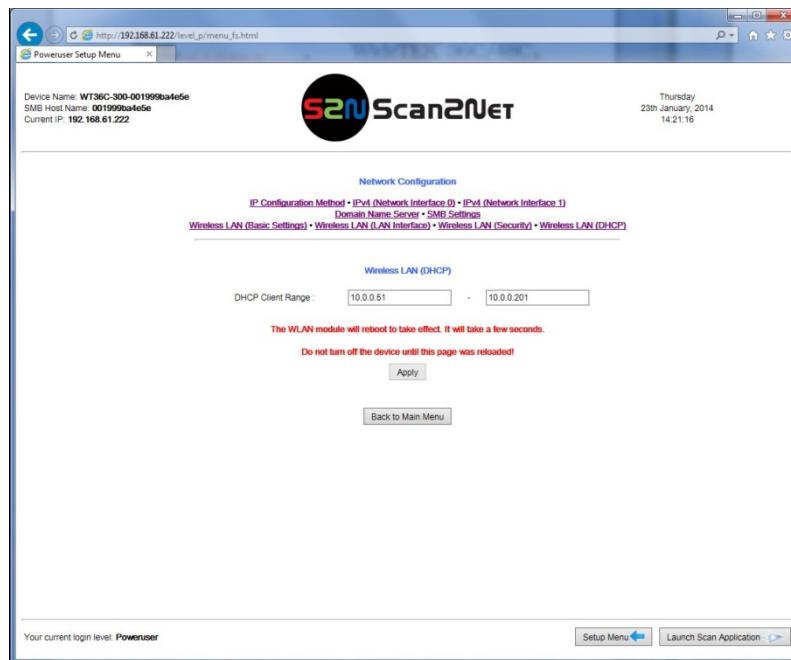
Enter a string as pre-shared key here.

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

E.4.2.10 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 75: 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.

E.4.3 Adjust Time & Date

The section **Adjust Time & Date** is divided into 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, make the adjustments in the following order.

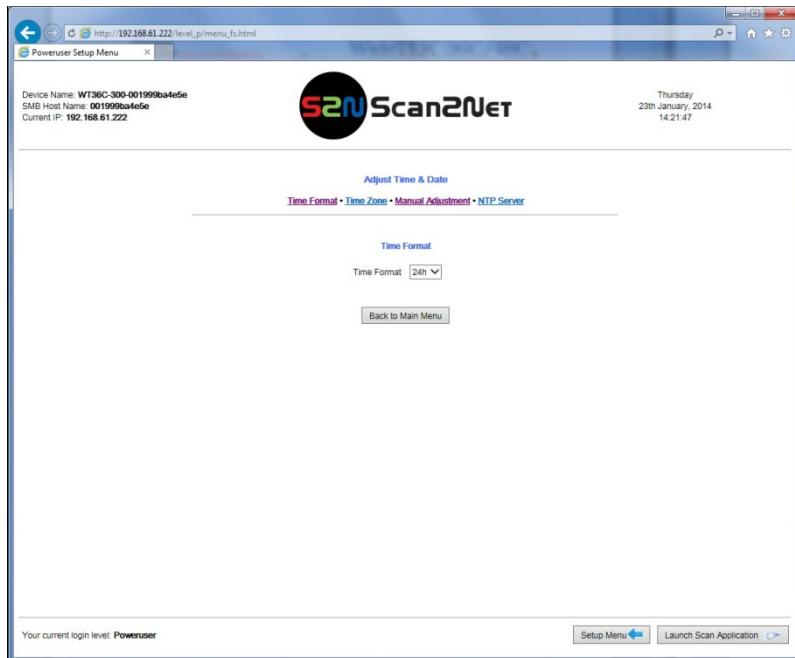
Select the time zone. See chapter E.4.3.2.

Set your local time with the manual adjustment. See chapter E.4.3.3.

Establish a connection to an NTP server. See chapter E.4.3.4.

E.4.3.1 Time Format

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



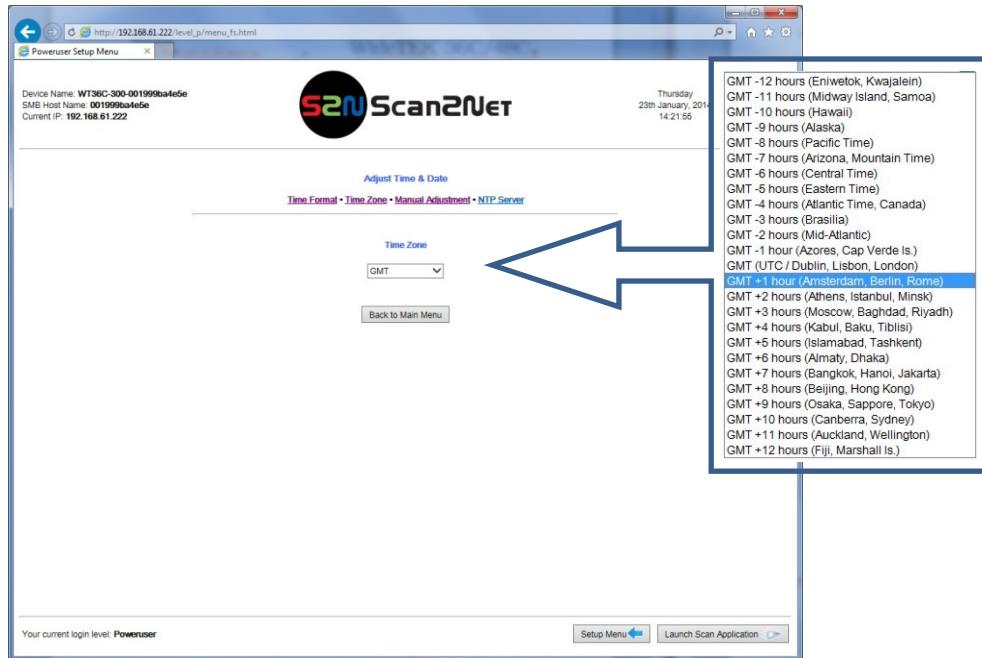
Picture 76: Time Format

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

	Time Format 12h	Time Format 24h
Display from 00:00 to 11:59	Wednesday 23th May, 2012 11:05:08 AM	Wednesday 23th May, 2012 11:05:21
Display from 12:00 to 23:59	Wednesday 23th May, 2012 01:43:10 PM	Wednesday 23th May, 2012 13:43:22

E.4.3.2 Time Zone

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



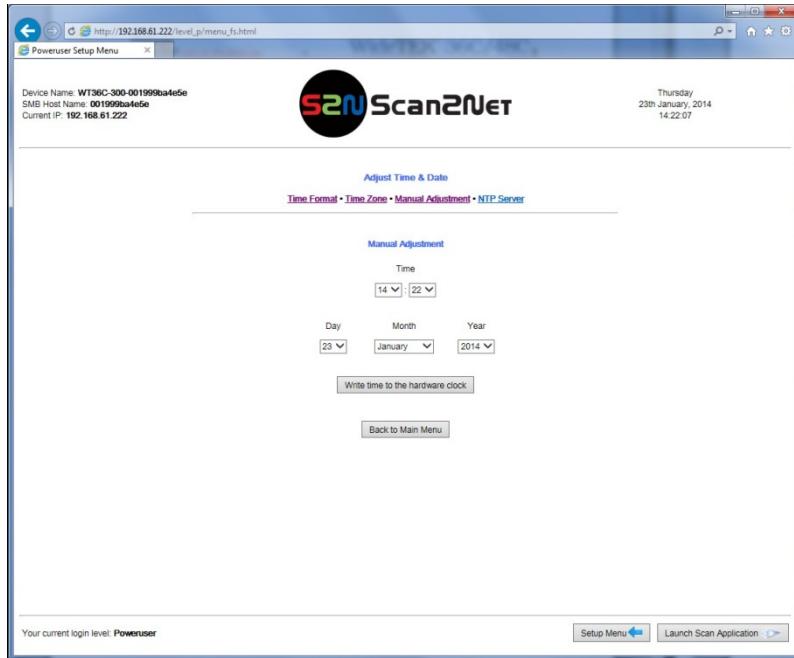
Picture 77: Time Zone screen

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.

E.4.3.3 Manual Adjustment

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



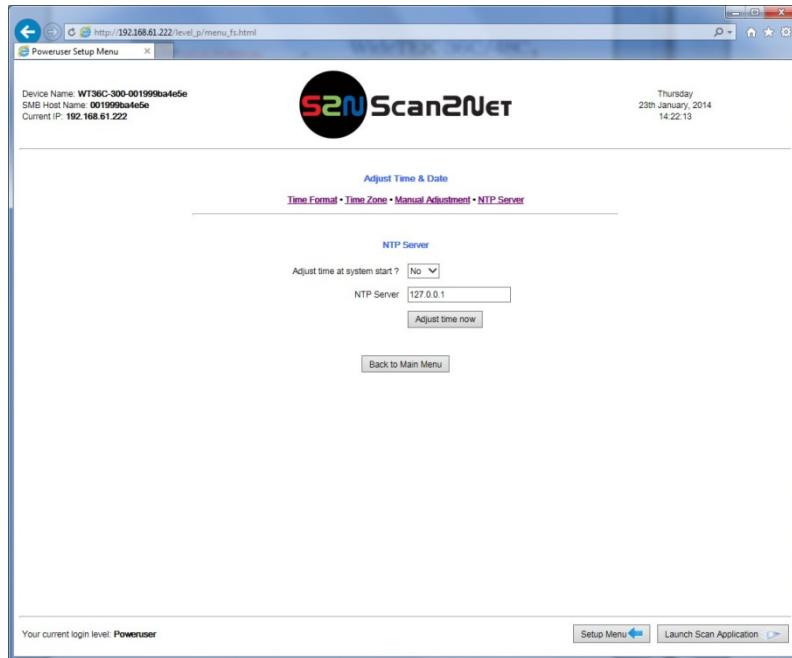
Picture 78: Manual Adjustment

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.

E.4.3.4 NTP Server

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



Picture 79: 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.

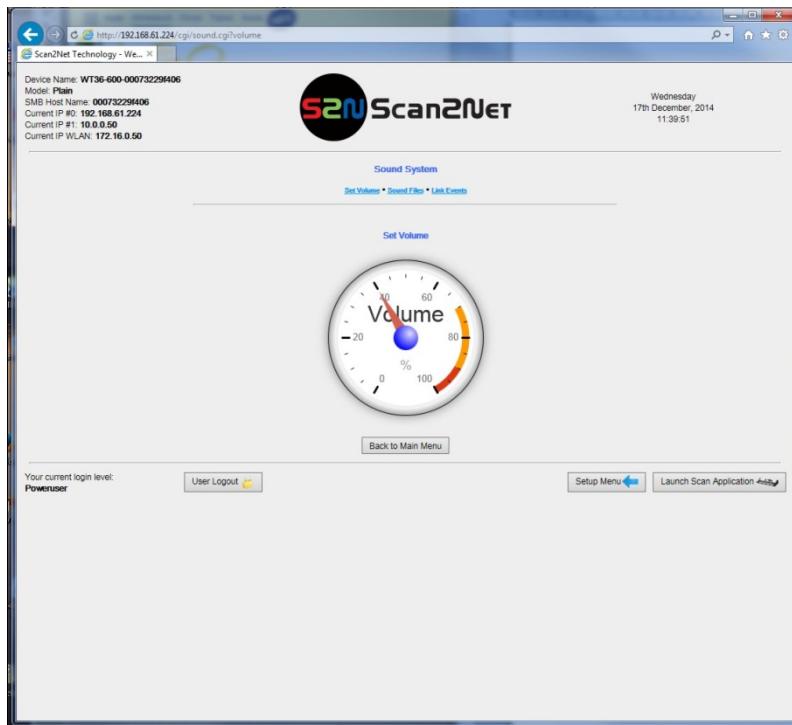
E.4.4 Sound System

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

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

E.4.4.1 Set Volume

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



Picture 80: Set Volume

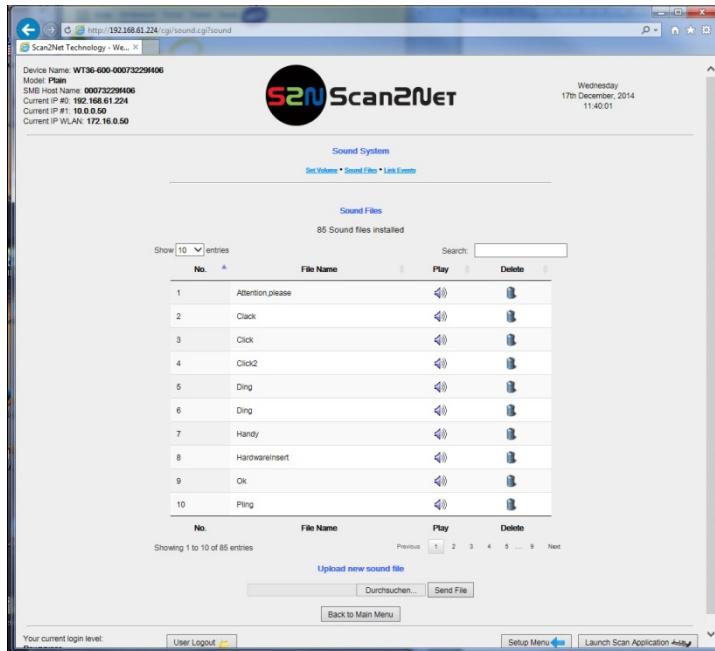
A screen opens and shows a graphic to symbolize the volume level.

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**.

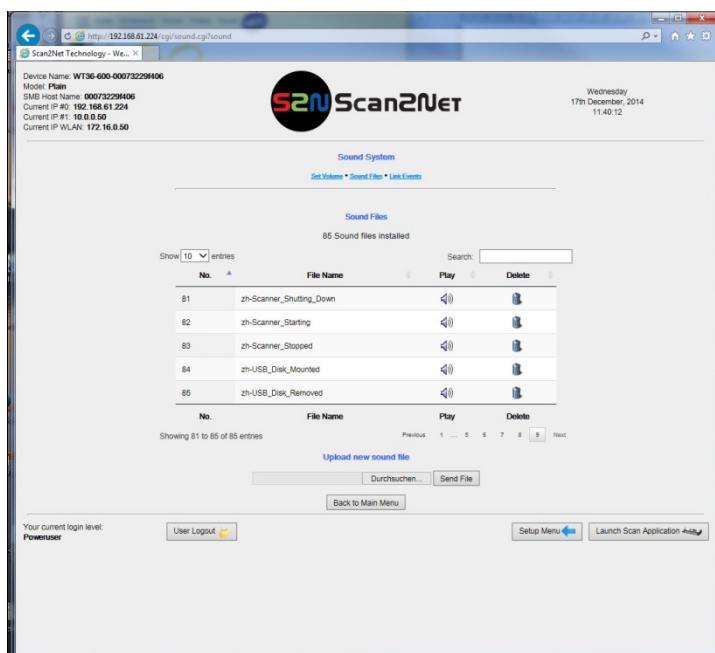
E.4.4.2 Sound Files

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



Picture 81: Sound Files list

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



Picture 82: Upload new sound files

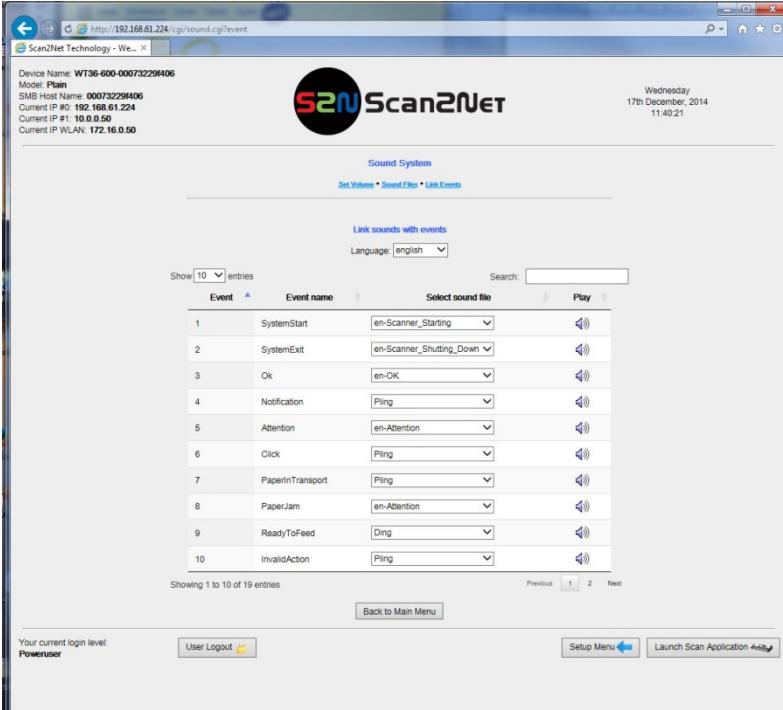
Click on the button **Search** to search the directories of your local PC and/or your network for sound files.

Click on 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.

E.4.4.3 Link Events

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



Event	Event name	Select sound file	Play
1	SystemStart	en-Scanner_Starting	Speaker
2	SystemExit	en-Scanner_Shutting_Down	Speaker
3	Ok	en-OK	Speaker
4	Notification	Ping	Speaker
5	Attention	en-Attention	Speaker
6	Click	Ping	Speaker
7	PaperInTransport	Ping	Speaker
8	PaperJam	en-Attention	Speaker
9	ReadyToFeed	Ding	Speaker
10	InvalidAction	Ping	Speaker

Picture 83: Link Events list

The sound file that is listed at each event is dependent on the language set for the scanner (see chapter E.4.1.1).

To identify the language of the 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.

E.4.5 Installed Options

This section shows all available options for the scanner.

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

Name	Version	Date	Key	Apply
Batch Scan Wizard	Unknown	Friday, 15 November 2013	1KQ0 3YefYEQbJ2yHmJuGc	<input type="button" value="Apply"/>
PDF Generator	5.84H-IPF	Friday, 15 November 2013	DQqxSWi3imEvwMGOt8tA	<input type="button" value="Apply"/>
Scan2USB	5.84H-IPF	Friday, 15 November 2013	yexxpJ.RU/Z5Xc5UJ02FU	<input type="button" value="Apply"/>
Scan2VGA	5.84H-IPF	Friday, 15 November 2013	Yjg5AB1MisRCoAbHVgiOA	<input type="button" value="Apply"/>
TWAN Driver	5.84H-IPF	Friday, 15 November 2013	4FyQbOu9AgK.v@myDshk	<input type="button" value="Apply"/>
Canon imagePROGRAF Printer Driver	5.84H-IPF	Friday, 15 November 2013	AAqasKs4gMQB8U8Gig/y/w	<input type="button" value="Apply"/>
Freeflow Lite	5.84H-IPF	Friday, 15 November 2013	Jg498jOKgdWVXJng5Tm	<input type="button" value="Apply"/>
Billing & Authentication Module	5.84H-IPF	Friday, 15 November 2013		<input type="button" value="Apply"/>
1200x6000 DPI	5.84H-IPF	Friday, 15 November 2013	AQr3grpmqYB15CKiwhFeM	<input type="button" value="Apply"/>

To purchase an Software Option or to renew a previously purchased key please go to <http://service.imageaccess.de>

Your current login level: Poweruser

Picture 84: Options List

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

The software keys can be purchased at 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 and click on **Apply**.

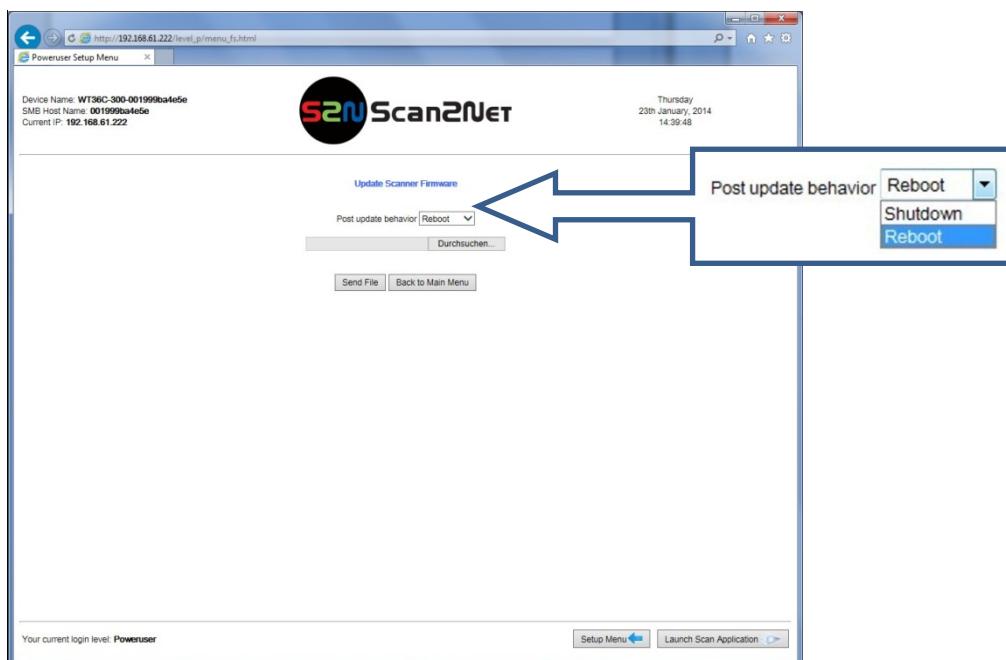
After activating the option, its color turns to "Green", which indicates active options.

E.5 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.

E.5.1 Update Scanner Firmware

Upload a new firmware version to the scanner.



Picture 85: Update Scanner Firmware

The Image Access Customer Service Portal (CSP) at <http://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 archive of the current firmware version to your local PC.

The ZIP archive contents:

- Three “txt” files with information concerning the installation, the release notes and the version number.
- One “tar” archive with the firmware

Important: Never unpack the “tar” archive file!

Always send the complete ZIP archive to the scanner!

In the screen **Update Scanner Firmware** (see Picture 85) click on the selection arrow beside “Post update behavior” of the scanner from the list.

Select **Reboot** from the list. This will start 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 D.1 for more information about the White Balance adjustment.

All installed options will stay active.

E.5.2 ICC Profiles

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

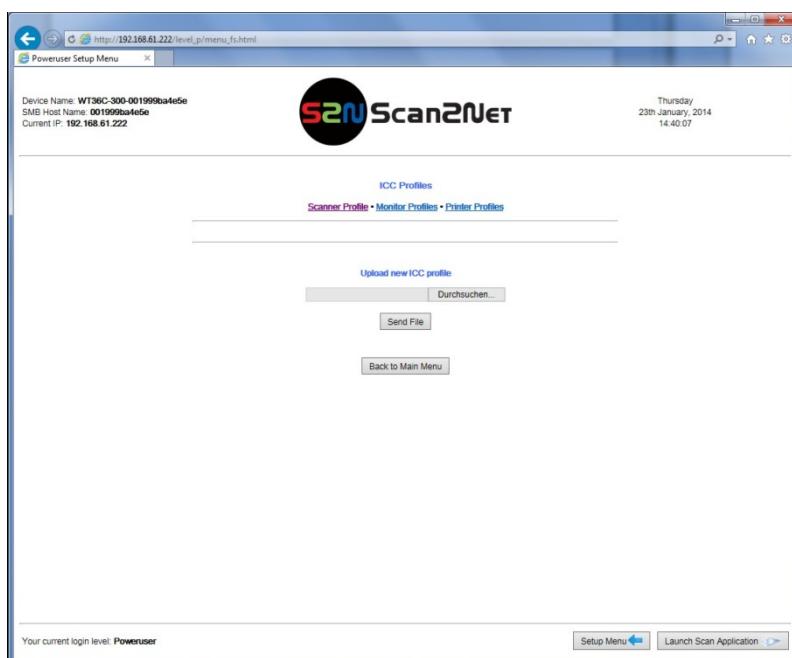
ICC profiles are integrated in the image file data.

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

E.5.2.1 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 86: Scanner Profile

Search

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

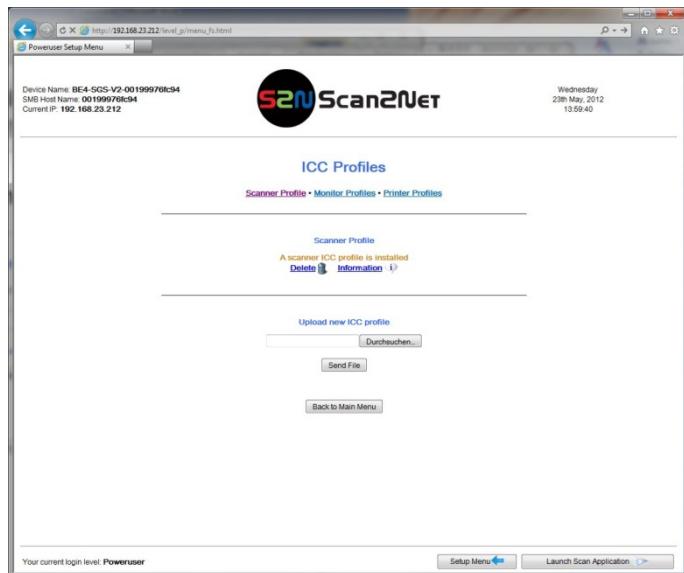
Send File

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

After uploading, the ICC profile will be displayed.

Activating the ICC profile:

Select **ICC Profiles** in section **Quality** of the ScanWizard user interface.



Picture 87: ICC Profile installed



To delete the ICC profile, click on the “Delete” symbol.



To get information about the ICC profile, click on the information symbol

Information	
Information (Scanner Profile)	
Size	48124 bytes
Color Management Module	argl
Version	2.2.0
Device Class	Input
Color Space	RGB
Profile Connection Space (PCS)	XYZ
Date & Time	22 Nov 2010, 11:32:34
Platform	Unrecognized - **nix'
Flags	Not Embedded Profile, Use anywhere
Manufacturer	customized
Device Model	customized
Attributes	Reflective, Glossy
Rendering Intent	Relative Colorimetric
Illuminant	0.964203, 1.000000, 0.824905 [Lab 100.000000, 0.000498, -0.000436]
Creator	argl
Description	Bookeye 4 Gamma/Matrix Default Profile
Copyright Marker	(c) 2010 Image Access GmbH
Device Model Description	Bookeye 4

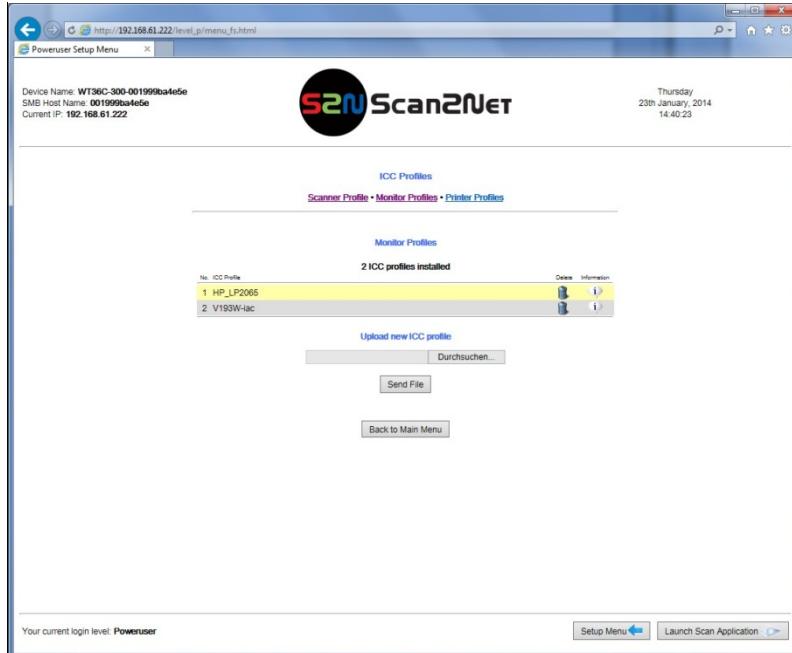
[Back to Main Menu](#)

Picture 88: ICC Profile information

E.5.2.2 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 89: Monitor Profiles

[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.

Selecting the ICC profile to be used:

Select section **User Settings**, function **Display** (see chapter E.4.1.6) and select the ICC profile as described.



To delete the ICC profile, click on the “Delete” symbol.



To get information about the ICC profile, click on the information symbol



Picture 90: ICC Profile information

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**.

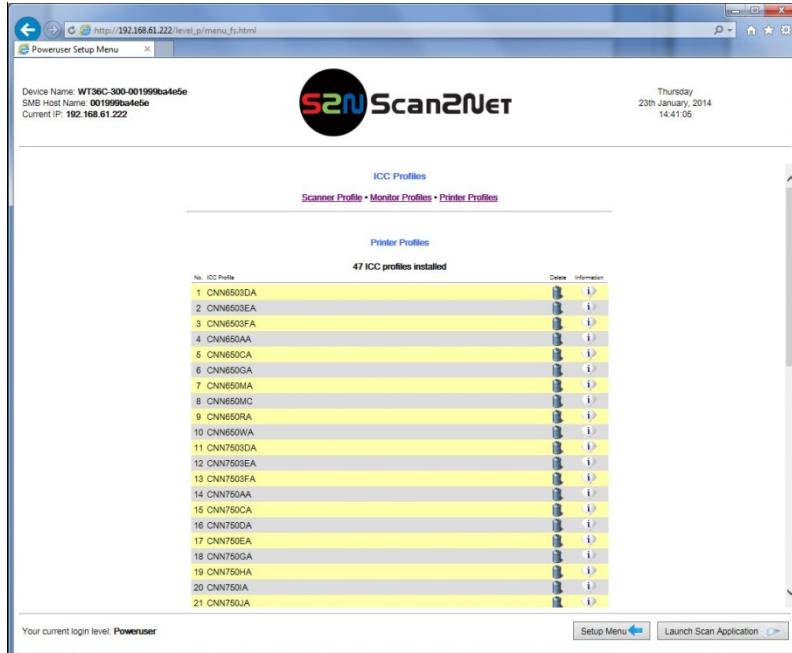


Picture 91: Touchscreen menu, ICC profile selected

E.5.2.3 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 92: Printer Profiles

[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 profiles will be displayed.



To delete the ICC profile, click on the “Delete” symbol in the line of the ICC profile to be deleted.



To get information about the ICC profile, click on the information symbol in the line of the ICC profile.

Information	
Information (JapanColor2001Uncoated)	
Size	557168 bytes
Color Management Module	ADBE
Version	2.1.0
Device Class	Output
Color Space	CMYK
Profile Connection Space (PCS)	Lab
Date & Time	1 Sep 2002, 0:00:01
Platform	Macintosh
Flags	Not Embedded Profile, Use anywhere
Manufacturer	ADBE
Device Model	0x0
Attributes	Reflective, Glossy
Rendering Intent	Perceptual
Illuminant	0.964203, 1.000000, 0.824905 [Lab 100.000000, 0.000498, -0.000436]
Creator	ADBE
Description	Japan Color 2001 Uncoated
Copyright Marker	Copyright 2002 Adobe Systems, Inc.
Device Model Description	

[Back to Main Menu](#)

Selecting the ICC profile to be used:

In the S2N user interface of the scanner click on the link [Options](#) below the button [Copy](#).

The **Printer Preset** window opens. Click on **Printing Enhancements**.

Select **Color Matching** → **ICC Profile**.

The additional line **ICC Profile** is added to the menu below **Color Matching**.

Click on the selection arrow. All installed ICC profiles will be listed.

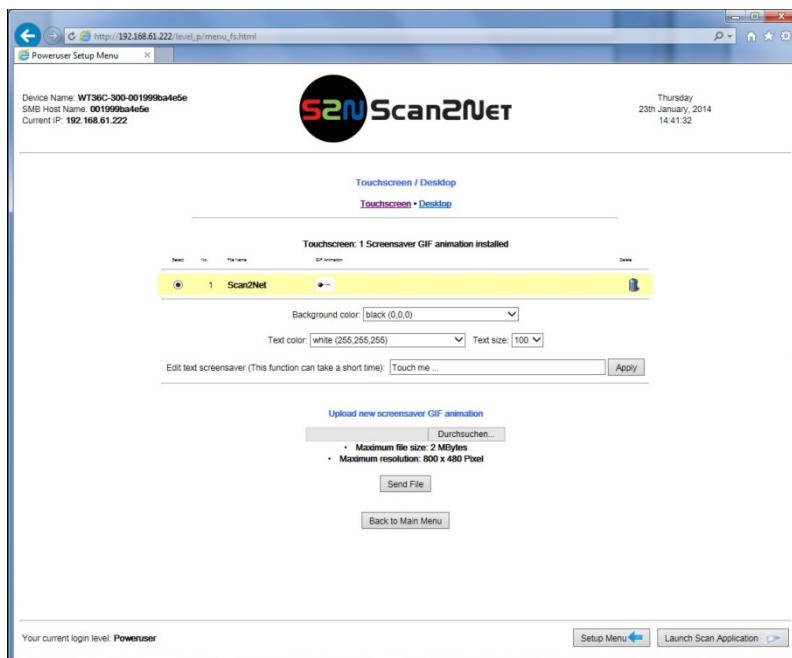
Select the desired ICC profile from the list.

E.5.3 Touchscreen / Desktop

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

E.5.3.1 Touchscreen

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



Picture 93: 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 on the **Search** button to search the directories of your local PC and/or your network for a suitable file.

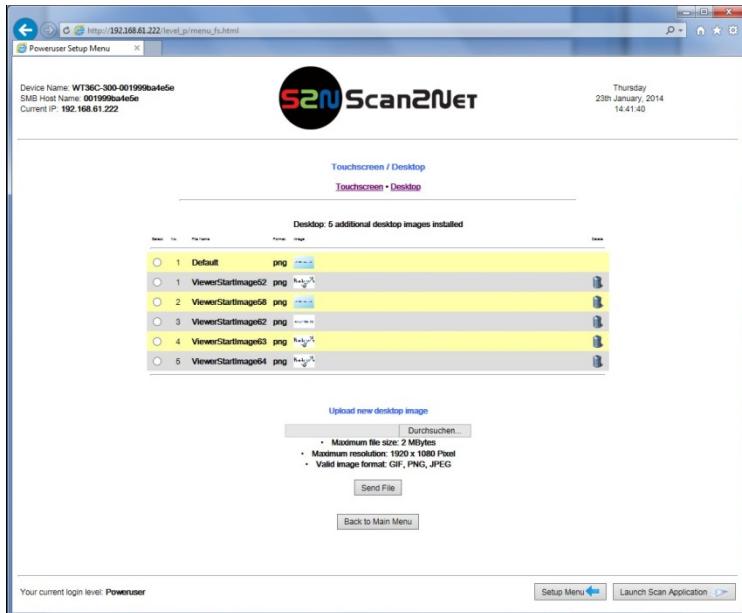
Click on **Send File** to transfer the selected file to the scanner.

A message signalizes the end of the upload sequence.

To activate the changes, restart the scanner.

E.5.3.2 Desktop

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



Picture 94: Desktop screensaver list

The installed desktop images are listed on the screen.



Upload new desktop image

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

Click on 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.



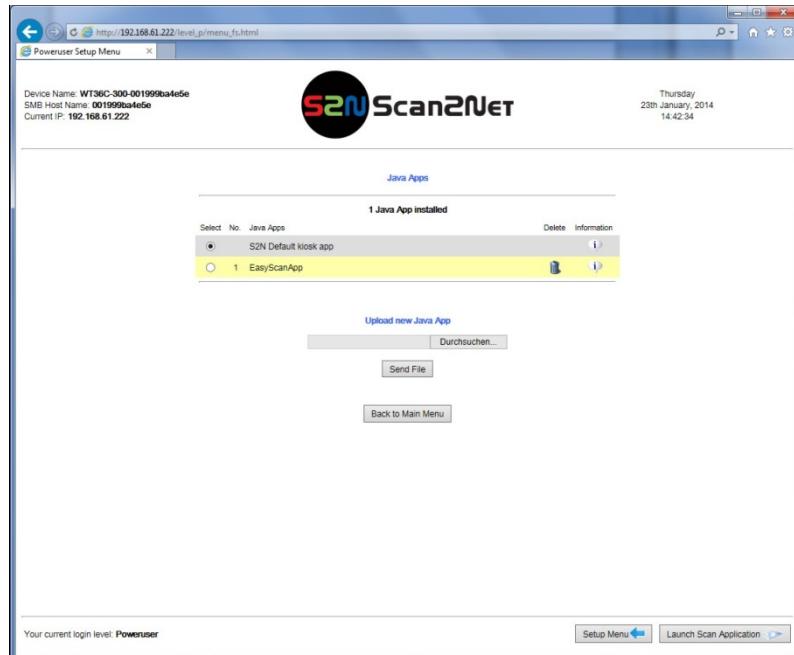
Picture 95: Preview of desktop image

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.

E.5.4 Java Apps

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



Picture 96: Java Apps

The installed Java Apps are listed on the screen.



To delete a Java App from the list, click on the “Delete” symbol at the right side of the line.



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

Information	
EasyScanApp.app	
File size	971757 Bytes
MD5 check sum	13cc936618084544fad27dcbadfc2dcc
Manifest	Manifest-Version: 1.2 Implementation-Vendor: "Image Access GmbH" Implementation-Title: "ESA" Implementation-Version: "build12" Specification-Vendor: "Image Access GmbH" Name: EasyScanApplication Specification-Title: "EasyScan" Specification-Version: "1.2" Main-Class: EasyScanApp

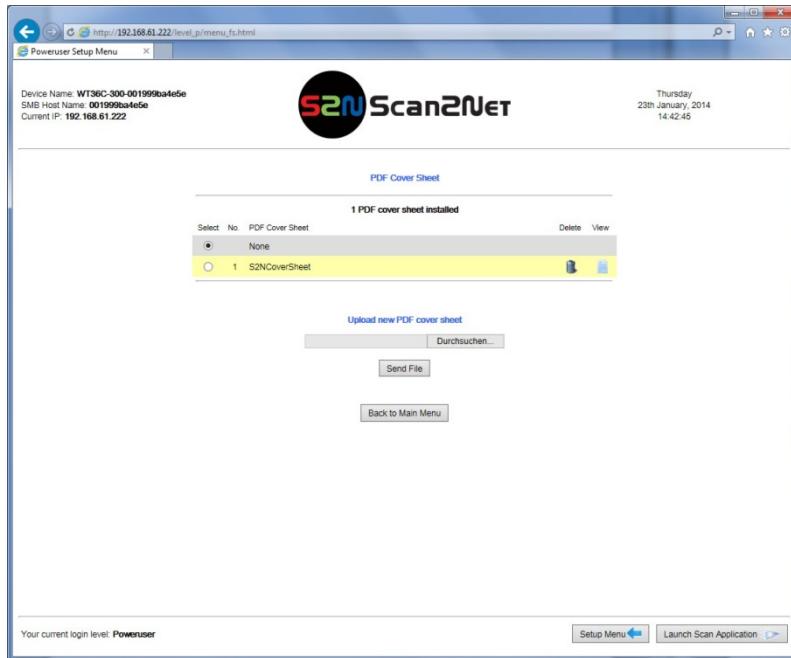
[Upload new Java App](#)

Click on 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.

E.5.5 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 97: PDF Cover Sheet

The preinstalled cover sheets are displayed in the list.



To delete a PDF cover sheet from the list, click on the “Delete” symbol.



Click on the “View” symbol to open the selected file with your associated PDF viewer software.

**Upload new
PDF cover sheet**

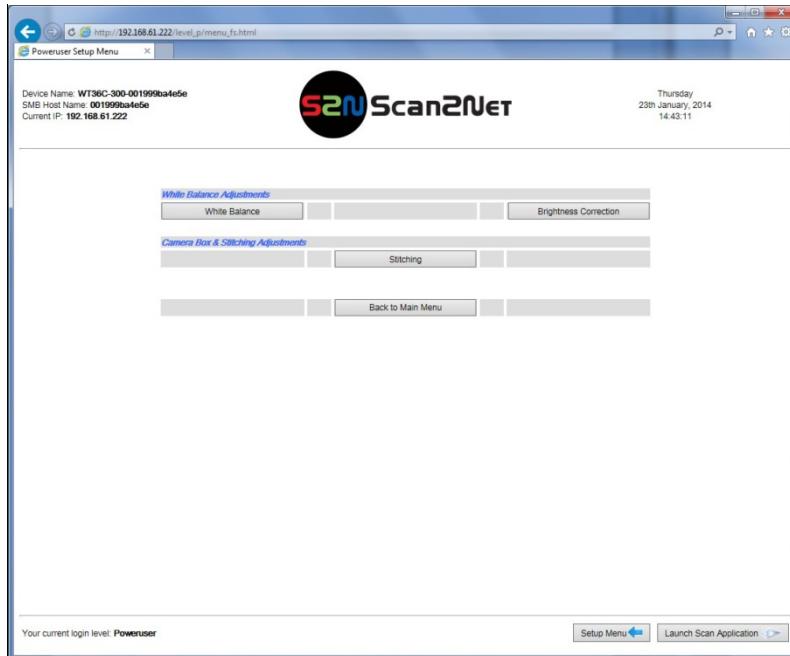
Click on the **Search** button to search the directories of your local PC and/or your network for a Java Application file.

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

E.6 Adjustments & Support

E.6.1 Adjustments

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



Picture 98: Adjustment main screen

The **White Balance Adjustments** section offers the measurement routines to execute the white balance and to set the brightness correction.

The **Camera Box & Stitching Adjustments** section offers the setup routine for the stitching parameters.

E.6.1.1 White Balance

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

During the white balance measurement, all light sources are combined and illuminate the target. The measurement results in a correction function for the scan area.



Picture 99: White Reference Target on document table

Place the **White Reference Target** on the document table as shown in the picture above.

Click on **Next Step** to start the White Balance Adjustment sequence.

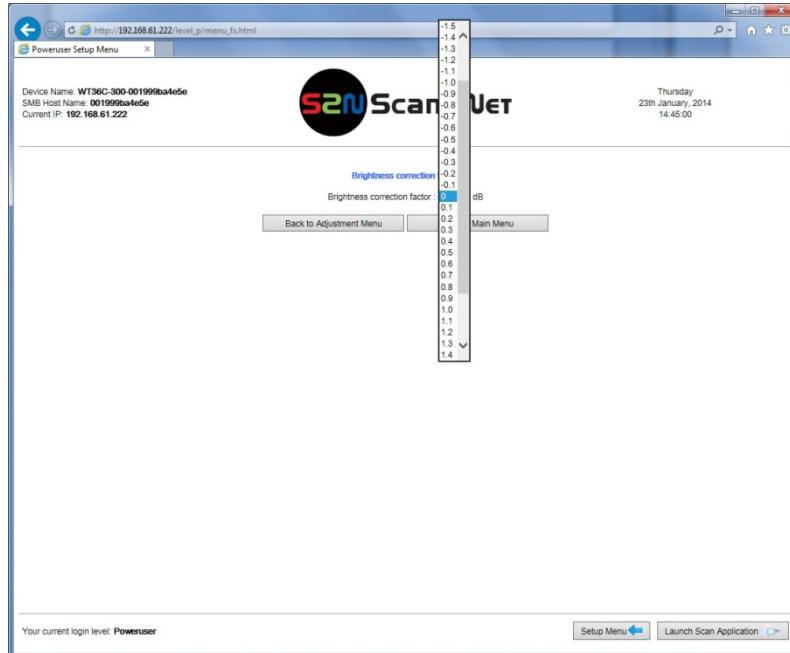
After the White Balance Adjustment has finished, the results will be displayed in a status screen. A positive status is displayed in green. Any error will be shown in red, followed by some explanatory remarks.

Note: It is recommended to execute the White Balance Adjustment always after every firmware update and after every cleaning, maintenance and repair of the scanner.

E.6.1.2 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.



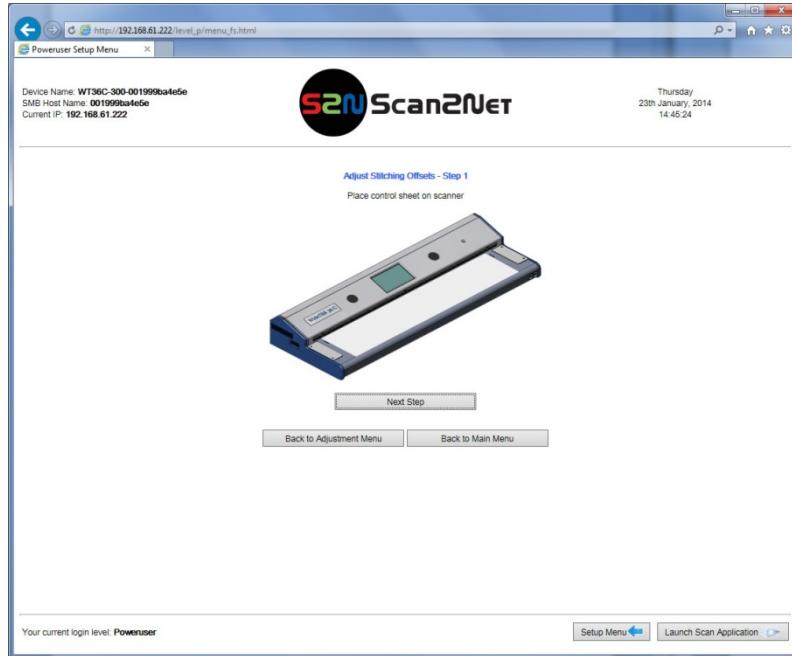
Picture 100: Brightness Correction factor list

Click on the selection arrow to set the desired correction factor.

The correction factor will be effective immediately.

E.6.1.2.1 Stitching

A millimeter paper, size at least ISO A3, is the recommended test document for the stitching function. Millimeter paper sheets are included in the reference folder.



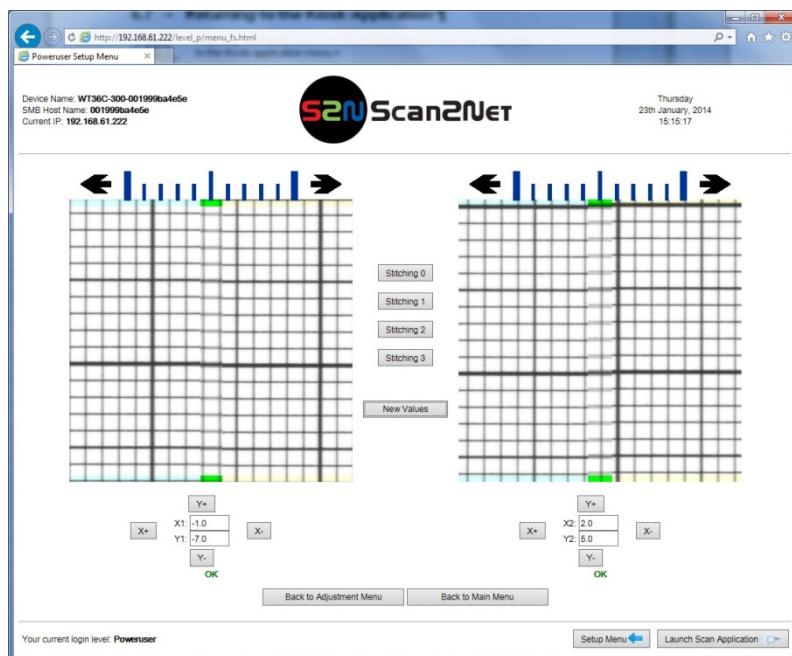
Picture 101: Stitching start screen

Place the millimeter paper in landscape orientation in the middle of the document table.

Click on **Next Step** to start the stitching measurement sequence.

The scanner transports the millimeter paper until it reaches the output sensors.

After the measurement the screen shows two cut-outs of the scanned millimeter paper.



Picture 102: Display after measurement

With the buttons **Stitching 0** to **Stitching 3** cut-outs at four different positions can be displayed.

The left cut-out shows the stitching between the camera 1 and camera 2, the right cut-out shows the stitching between camera 2 and camera 3.

Use the buttons **Y+** and **Y-** below the left cut-out to shift the picture of camera 1 against the picture of camera 2 in horizontal direction.

Use the buttons **Y+** and **Y-** below the right cut-out to shift the picture of camera 2 against the picture of camera 3 in horizontal direction.

Use the buttons **Stitching 0** to **Stitching 3** to check the results at defined horizontal positions.

Target is to get a result with a small shifting in both displayed cut-outs.

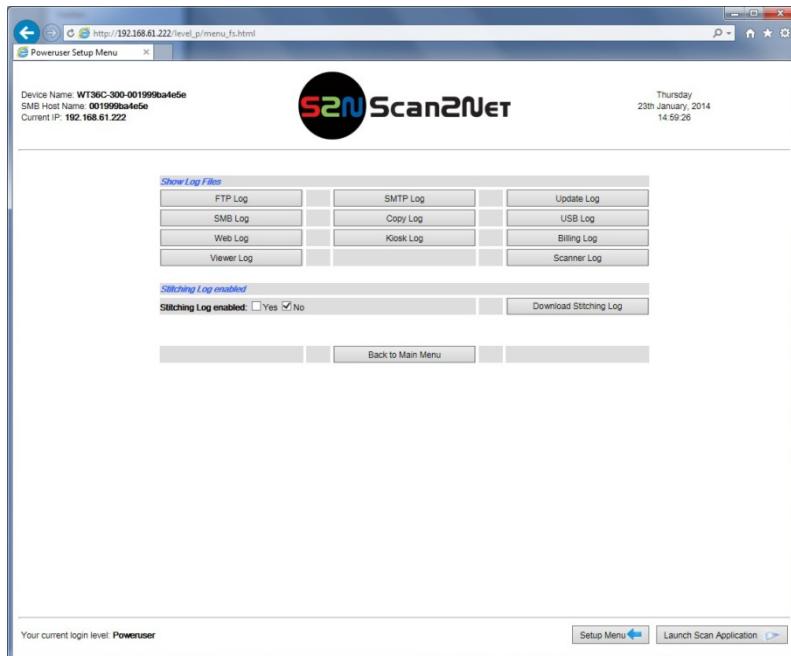
Below the **Y-** buttons a green OK signalizes that the stitching correction is set to matching parameters.

If the shifting in both cut-outs is set to a minimum click the button **Back to Main Menu** or the button **Back to Adjustment Menu** to save the settings and to return to the respective menus.

E.6.2 Log Files

E.6.2.1 Show Log Files

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



Picture 103: Log files overview, software version 6.x

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 ¹	All activities in conjunction with the kiosk functionality will be logged.
Billing Log	All billing relevant data will be logged.
Viewer Log ²	All viewer activities will be logged.
Scanner Log	All system activities of the scanner will be logged.

All logs can be saved as ASCII files.

¹ New menu item with software version 6.x.

² New menu item with software version 6.x.

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



Picture 104: Selection box at the bottom of the screen

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

Click on the button **Download** to save the log file.

A dialog box opens where the operator can select between saving and opening the log file. If the operator selects saving, the file will be saved in ASCII format, which can be opened with any text editor program.

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

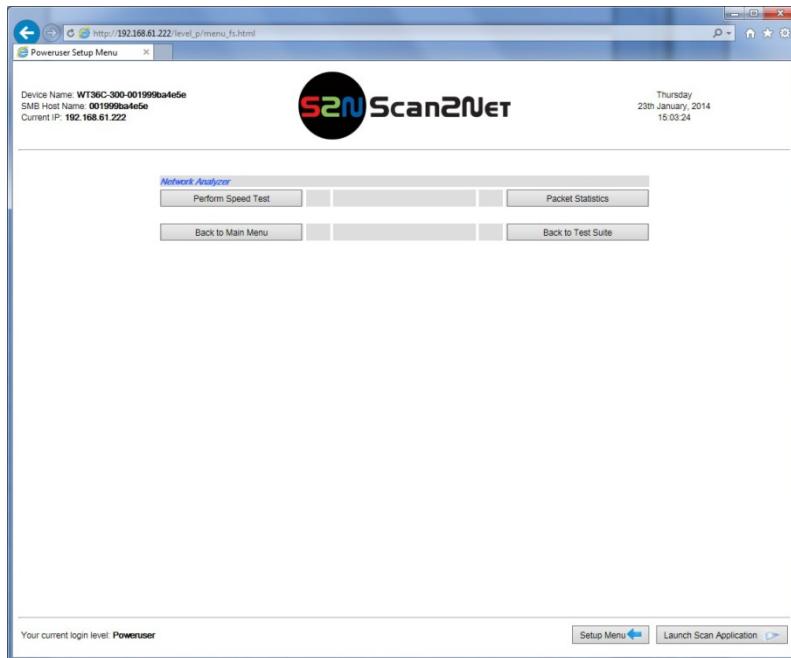
E.6.2.2 Stitching Log enabled

Select **Yes** to enable the stitching log function.

Download Stitching Log saves the log as ASCII file.

E.6.3 Network Analyzer

This menu shows has two items to get information about the network.

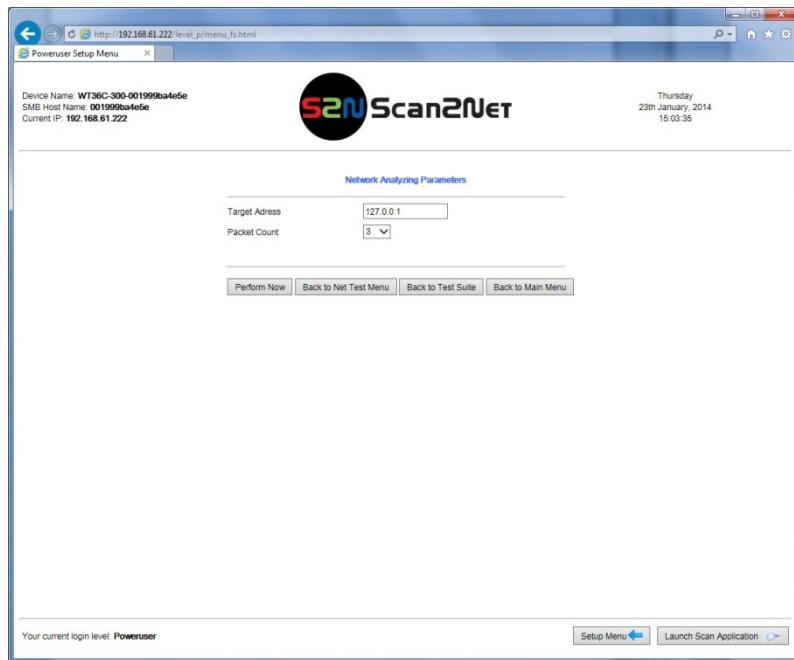


Picture 105: Items of Network Analyzer menu

Select either **Perform Speed Test** or **Packet Statistics**.

E.6.3.1 Perform Speed Test

This menu performs the speed test for the network where the scanner is connected.



Picture 106: Network Analyzing Parameters

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

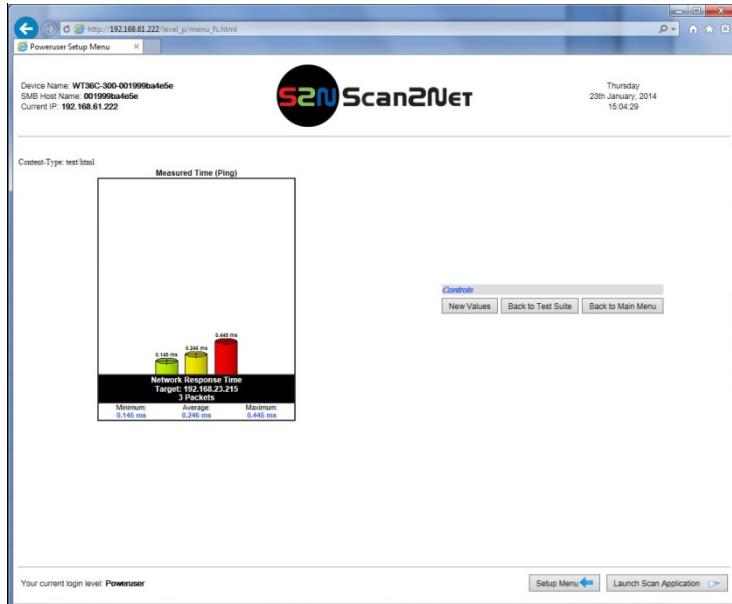
Packet Count Click on the selection arrow to set the number of transferred packets.

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 49).

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



Picture 107: Measured Time

The bar graphic shows the three values:

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

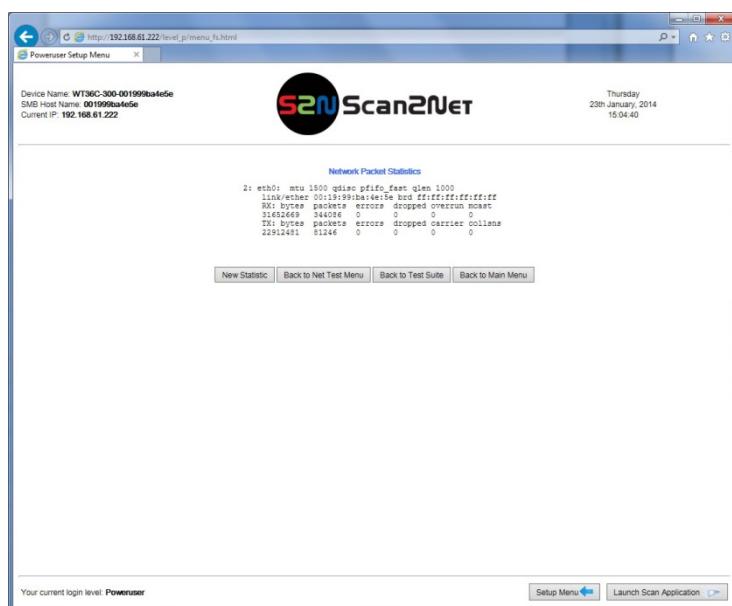
Average The average time for all transferred packets.

Maximum The maximum transfer time during the test.

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

E.6.3.2 Packet Statistics

Packet Statistics Shows the current network packet statistics.



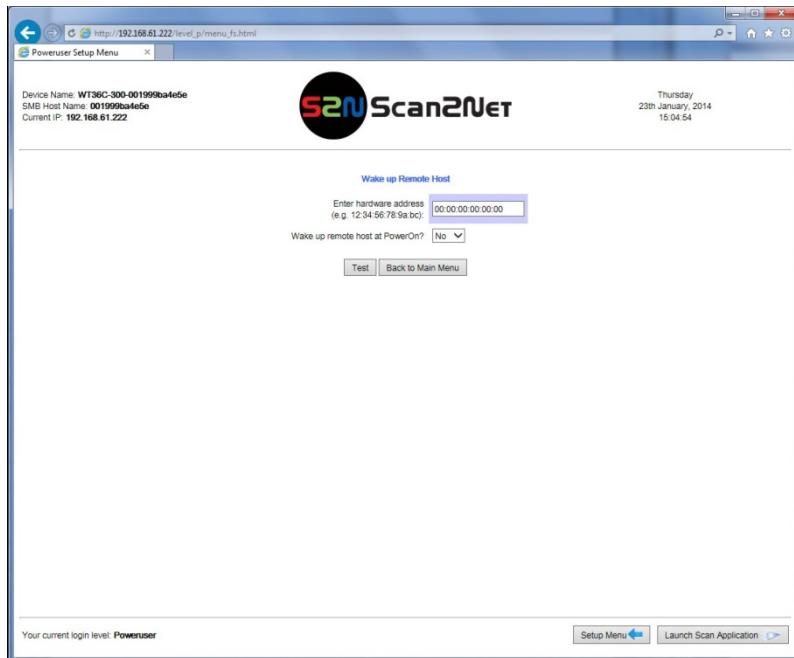
Picture 108: Packet Statistics values

E.7 Administrative Settings

E.7.1 Wake up Remote Host

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

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



Picture 109: 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 can be in “Power save” mode.

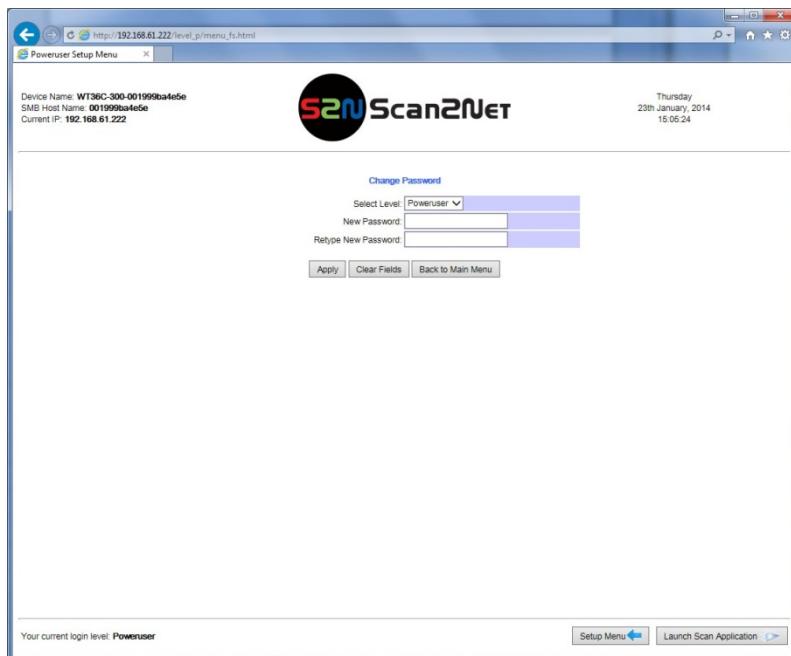
Enter hardware address Enter the MAC address of the network card of the PC here.

Wake up remote host at PowerOn **Yes** Starts the remote PC when the scanner is started.
No: Disabled the function.

E.7.2 Change Password

It is recommended to modify the password often, to protect the limited access to the **Poweruser** level.

Click on **Change Password**.



Picture 110: 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.

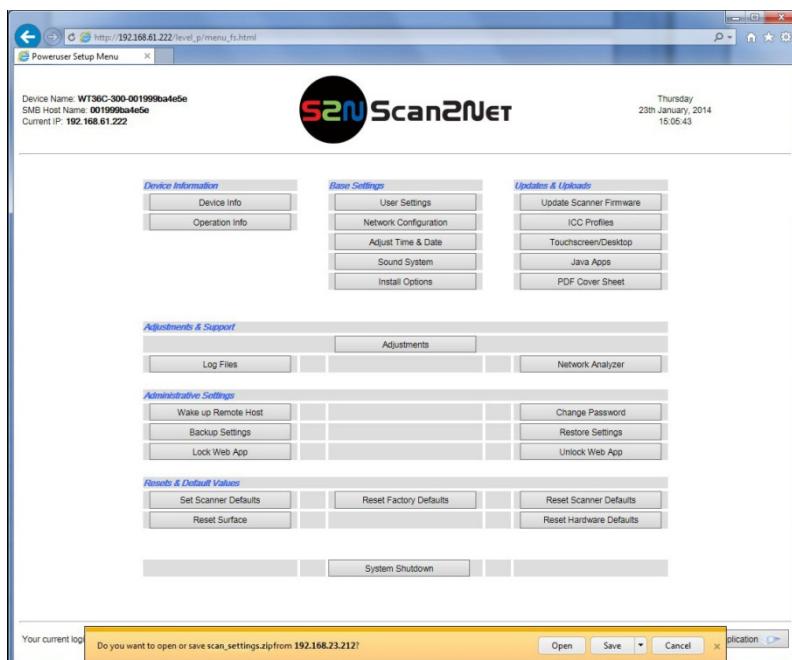
The screen returns to the start screen of the **Poweruser** level.

E.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 111 shows the small window at the bottom when using the “Internet Explorer 9”.



Picture 111: 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.

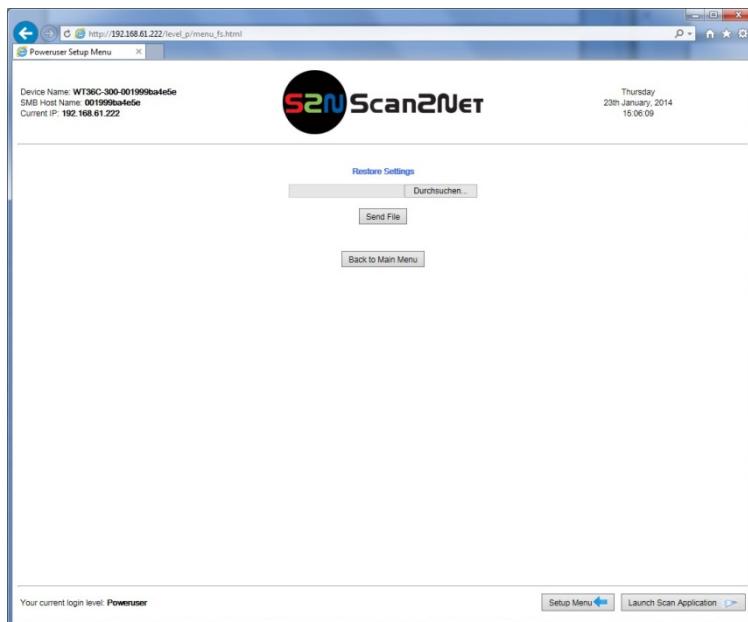
The ZIP archive contains printer specific settings, mail addresses for the data transfer via SMTP or the network settings for SMB network share.

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

E.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**

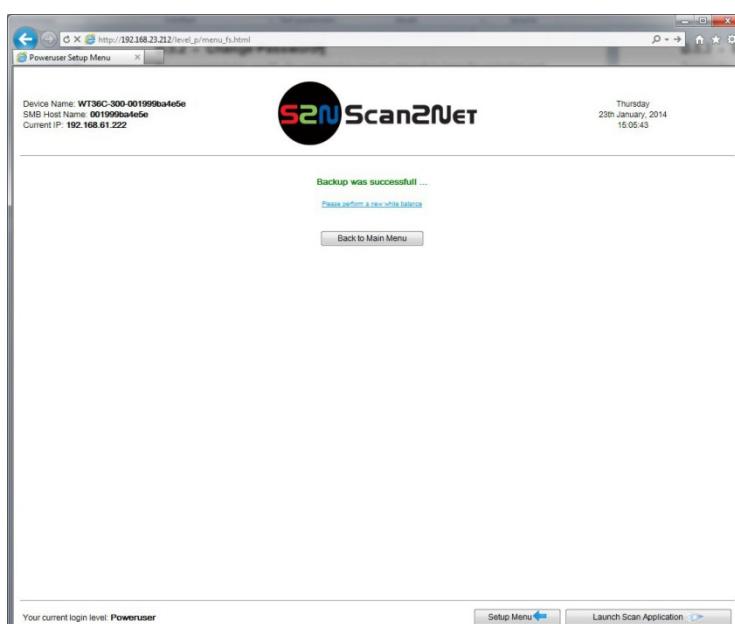


Picture 112: Restore setting from ZIP file

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.

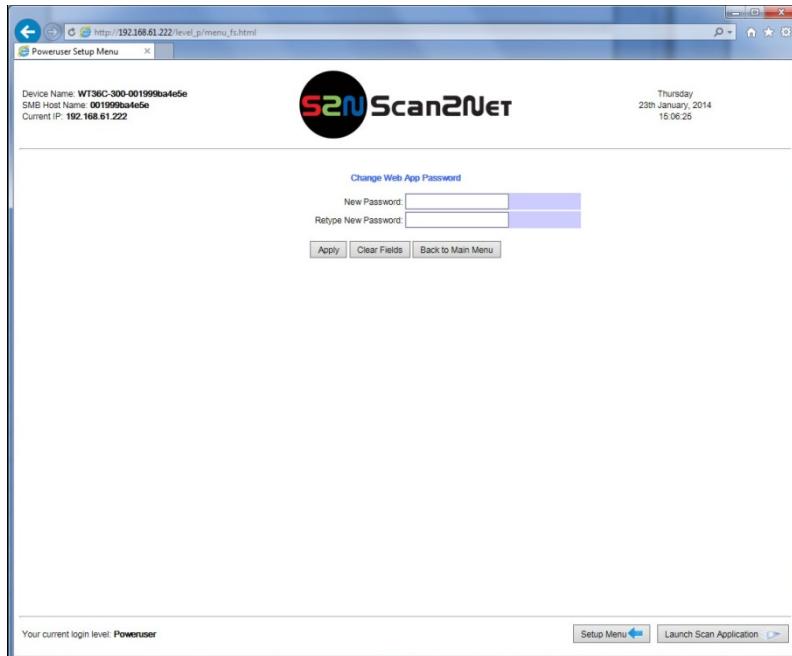


Picture 113: Message after restoring

E.7.5 Lock Web App

This function locks the Scan2Net user interface.

When the Scan2Net user interface is locked, the scanner can only be controlled by the touchscreen or by external software.



Picture 114: 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.

Clear Fields Clears the fields where the password can be entered.

Apply Sends the new password to the scanner.

E.7.6 Unlock Web App

This function unlocks the Scan2Net user interface.

Enter the password that has been used to lock the user interface.

E.8 Resets & Default Values

E.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 Scan2Net user interface and set all parameters to the desired values.

Return to the **Poweruser** level.

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

All settings defined in the Scan2Net user interface will be active when the scanner starts.

The parameters defined for the output controls in the lower part of the S2N user interface (see Operation Manual, chapter C “Software Operation”) will not be saved.

E.8.2 Reset Factory Defaults

This function sets all parameters back to factory 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.

E.8.3 Reset Scanner Defaults

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

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

E.8.4 Reset Surface

This function resets the surface to factory defaults.

E.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.

E.8.6 Set Default Passwords

This function resets all passwords to factory defaults.

F Technical Data WideTEK® 36C / 48C

F.1 Scanner Specifications

Optical System

Document width WideTEK 36C	38 inches / 965 mm
Scan width	36 inches / 915 mm
Document width WideTEK 48C	50 inches / 1270 mm
Scan width WideTEK 48C	48 inches / 1219 mm
Maximum document thickness	0.1 inch / 2.5 mm
Scan direction	Face up
Scanner resolution	1200 x 1200 dpi
Optical resolution	1200 x 600 dpi
Pixel dimension	42 x 42 µm
Sensor type WideTEK 36C	Three dual light CIS modules
Sensor type WideTEK 48C	Four dual light CIS modules
Grayscale digitization	12 bit
Color digitization	36 bit
Scan modes	24 bit color, 8 bit color, 8 bit grayscale, bitonal, enhanced halftone

Illumination:

Light Source WideTEK 36C	Approx. 1000 LEDs on two sides
Light Source WideTEK 48C	Approx. 1350 LEDs on two sides
Warm-up Time	None
Temperature Dependency	None
UV / IR Emission	None
Lifetime	50,000 hours (typ.)

F.2 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	5 to 40 °C / 41 to 104 °F
Operating humidity	10 ... 90 % RH, non-condensing
ECO standard	CEC level V

Scanner

Voltage	24 V DC
Current	Max. 5 A

Power Consumption WideTEK 36C

Sleep	≤ 0.5 W
Standby	2.5 W
Ready to scan	45 W
Scanning	Max. 80 W

Power Consumption WideTEK 48C

Sleep	≤ 0.5 W
Standby	4.8 W
Ready to scan	35 W
Scanning	Max. 55 W

F.3 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)
Noise level	< 35 dB(A) (Operating) < 25 dB(A) (Standby)

F.4 Dimensions and Weight

F.4.1 WideTEK® 36C

Scanner outer dimensions	195 x 1100 x 410 mm (H x W x D) 7.7 x 43.3 x 16.1 inches
Scanner outer dimensions (incl. floor stand)	1045 x 1100 x 410 mm (H x W x D) 41.2 x 43.3 x 16.1 inches
Weight of scanner	30 kg / 66 lbs.
Weight of floor stand incl. paper catch and monitor table	20 kg / 44 lbs.

Wooden Transport Box:

Transport dimensions on a pallet	450 x 1200 x 800 mm (H x W x D) 17,7 x 47,2 x 31,5 inches
Total shipping weight	85 kg / 187 lbs.

F.4.2 WideTEK® 48C

Scanner outer dimensions	195 x 1430 x 410 mm (H x W x D) 7.7 x 56.3 x 16.1 inches
Scanner outer dimensions (incl. floor stand)	1045 x 1430 x 410 mm (H x W x D) 41.2 x 56.3 x 16.1 inch
Weight of scanner	36 kg / 79.4 lbs.
Weight of floor stand incl. paper catch and monitor table	31 kg / 68.4 lbs.

Wooden Transport Box:

Transport dimensions on a pallet	450 x 1600 x 800 mm (H x W x D) 17.7 x 63.5 x 31.5 inch
Total shipping weight	114 kg / 251.5 lbs.