



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® 36](#) / [WideTEK® 44](#) / [WideTEK® 48](#), Image Access offers efficient scanners which cover 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 scanner has been delivered. The [WideTEK® 36](#) differs from the [WideTEK® 44](#) / [WideTEK® 48](#) in the mechanical dimensions; the software functions are similar for both scanners.

For this reason, we ask you to read this manual attentively before starting to setup and 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 scan results 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® 36](#), the [WideTEK® 44](#) or the [WideTEK® 48](#) 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 available 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 done with the touchscreen. It includes information about the firmware update procedure.

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.

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® 36 and WideTEK® 48 have been introduced. New: Chapter 5 Monitor Mount. Previous chapter B.5 and all following chapters renumbered.
C1	January 2014	Copyright note updated. Technical data updated. Setup manuals of WideTEK® 36 and WideTEK® 48 scanners merged to one manual. The differences between the models are highlighted if necessary.
D	December 2014	Chapter B.4 and B.5 with new content. Chapter E reworked.
D2	February 2015	New model WideTEK® 44 added. Order in chapter F. Technical Data reworked. Specification for WideTEK® 44 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 fulfill the requirements of the following standards:

Tested before 06/2014:

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

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

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

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

Tested after 06/2014:

IEC 62368-1, International Safety Standard for Information Technology Equipment

EN 62368-1, Safety for Information Technology Equipment (European standard)

UL-and CAN/CSA standards same as above.

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 the scanner off, unplug the power cord from the wall receptacle and 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 the scanner off, unplug the power cord from the power outlet and 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. Image Access recommends plugging the scanner into an appropriately rated power outlet.
11. Always turn the power off and unplug the power cord from the power outlet before cleaning the scanner.
12. 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.
13. 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.

A.4 In General

This setup manual describes all large format scanner versions, from **WideTEK® 36** up to **WideTEK® 48**.

This setup manual describes the settings and functions using a device equipped with all options. Deviations to other scanners 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

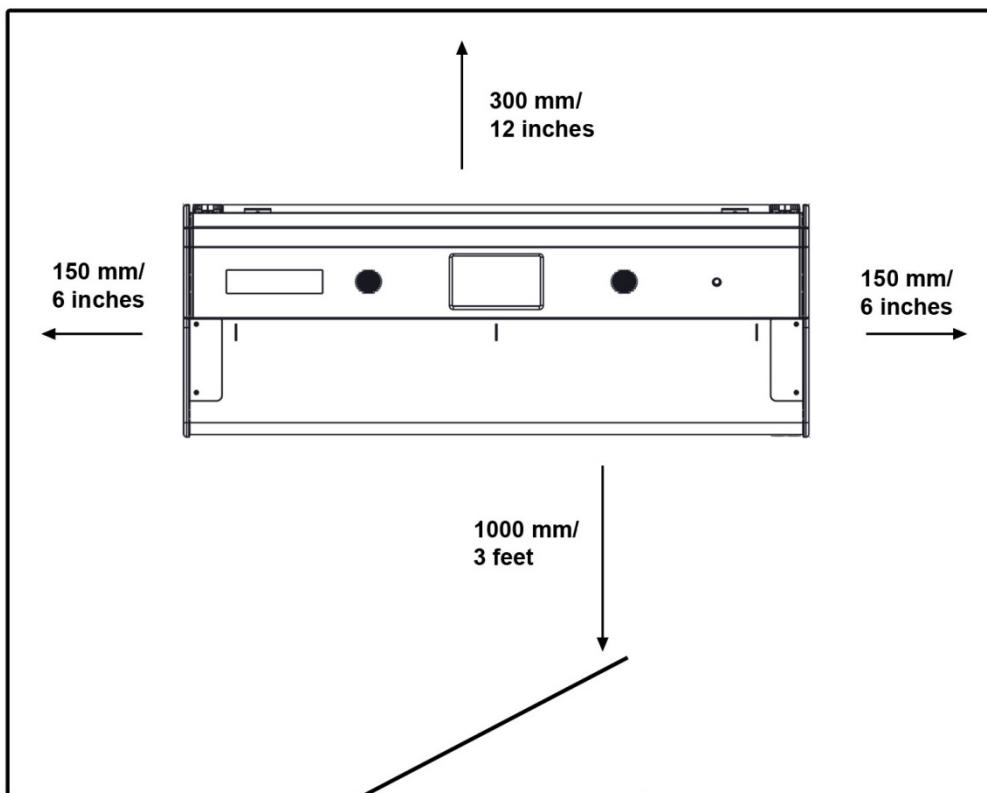
Note: No parts of the scanner can be repaired by the user.

All repairs should be done by a trained technician.

A.7 Device Location

Note: Picture 1 shows a sketch with a former version of the scanner. The minimum distances around the scanner are also valid for all models..

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



Picture 1: Minimum distances

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

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

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

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

Temperature adaptation means:

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

B Transport Box

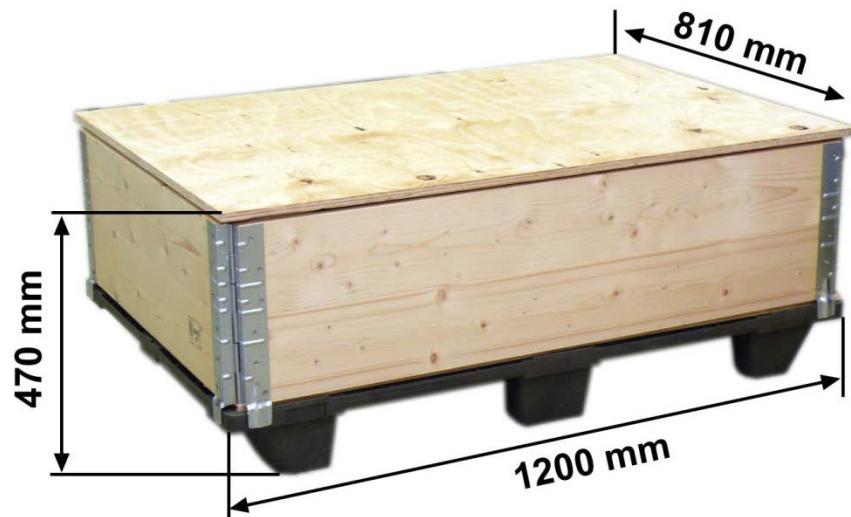
In general:

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® 36



Picture 2: WideTEK® 36 transport box

The transport box also contains the disassembled floor stand in a separate cardboard box, the paper catch basket and cardboard tubes with the accessories.



Picture 3: Transport box opened

A protection foil covers the paper catch basket. Lift the paper catch basket out of the transport box and remove the protection foil.



Picture 4: Scanner with accessories and floor stand

A label on each tube lists the content.

Tube 1 contains:

- Power supply with power cable
- Foot pedal switch
- Recovery key with instructions (plastic bag)

Tube 2 contains:

- White Reference Target
- Patch cable
- Stitching Target WT36C-Z-02-A
- 2x Paper guides

The manuals and a folder with CSTT-2 reference targets lie on top of the scanner.

After removing the foam inserts lift the wooden frame to get access to the scanner and to the floor stand cardboard box.

B.2 WideTEK® 48 / WideTEK® 44

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



Picture 5: WideTEK 48 and accessories in transport box

The transport box contains

1. Scanner
2. External LCD Monitor (optional)
3. Floor stand (optional)
4. Paper catch basket
5. Monitor mount (optional)
6. Reference folder with IT8 sheet and CSTT-2a test target

Also contained in the transport box – but not visible in the picture:

- Accessory box with
 - Power supply
 - Power cable for power supply (with national specification)
 - Network cable
 - Foot pedal
- Manuals (Operation manual / Setup manual)
- 2x bags with Document Returns and installation manual
- White Reference Target WT48-WA-01-A
- Stitching Target WT36C-Z-02-A

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.

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



Picture 6: Transport box elements ready to store

B.4 Scanner Dimensions

The WideTEK® scanners require just a small footprint.

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

B.4.1 WideTEK® Scanners without Floor Stand



Picture 7: Front view

The depth and the height of the housing of both scanners are identical.

B.4.2 WideTEK® Scanners with Floor Stand

If the scanner is mounted at the recommended floor stand, the resulting height of the complete system is 1070 mm (42.15 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.



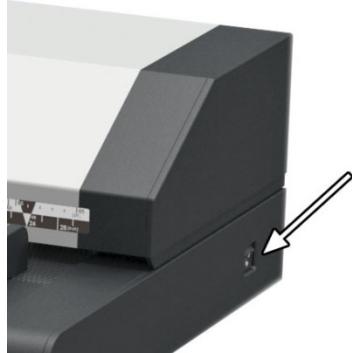
Picture 8: Scanner in combination with floor stand and monitor

B.5 Connectors

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

B.5.1 Main Power Switch

The main power switch is positioned in the right side cover of the scanner (seen from the scanner’s front).



Picture 9: Main power switch

B.5.2 USB Connector

The USB connector is positioned in the front part of the right side cover of the scanner (seen from the scanner’s front).

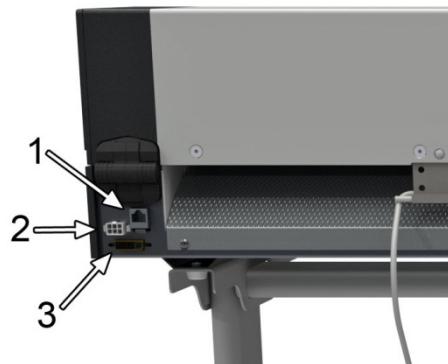


Picture 10: USB connector

B.5.3 Back Side Left

On the left rear side of the scanner you will find the connectors for

1. Network cable
2. External power supply
3. Video signal



Picture 11: Connectors at left back side

B.5.4 Back Side Right

On the right rear side of the scanner you will find the connectors for

1. Foot pedal switch
2. Recovery key, covered with a plastic cap.



Picture 12: Connectors at left back side

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

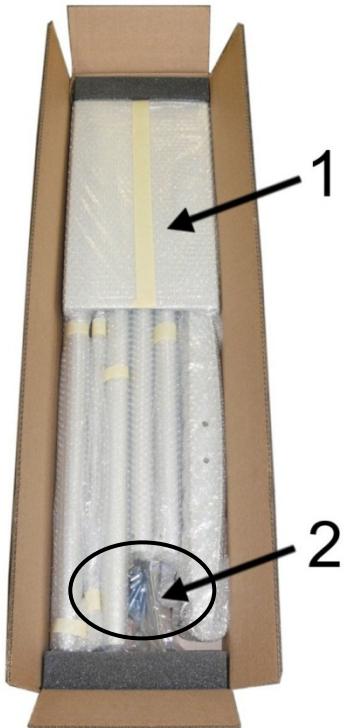
Note: The recovery function should only be activated by an administrator!

Cover the connector again after removing the Recovery key.

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 13: Floor stand box opened

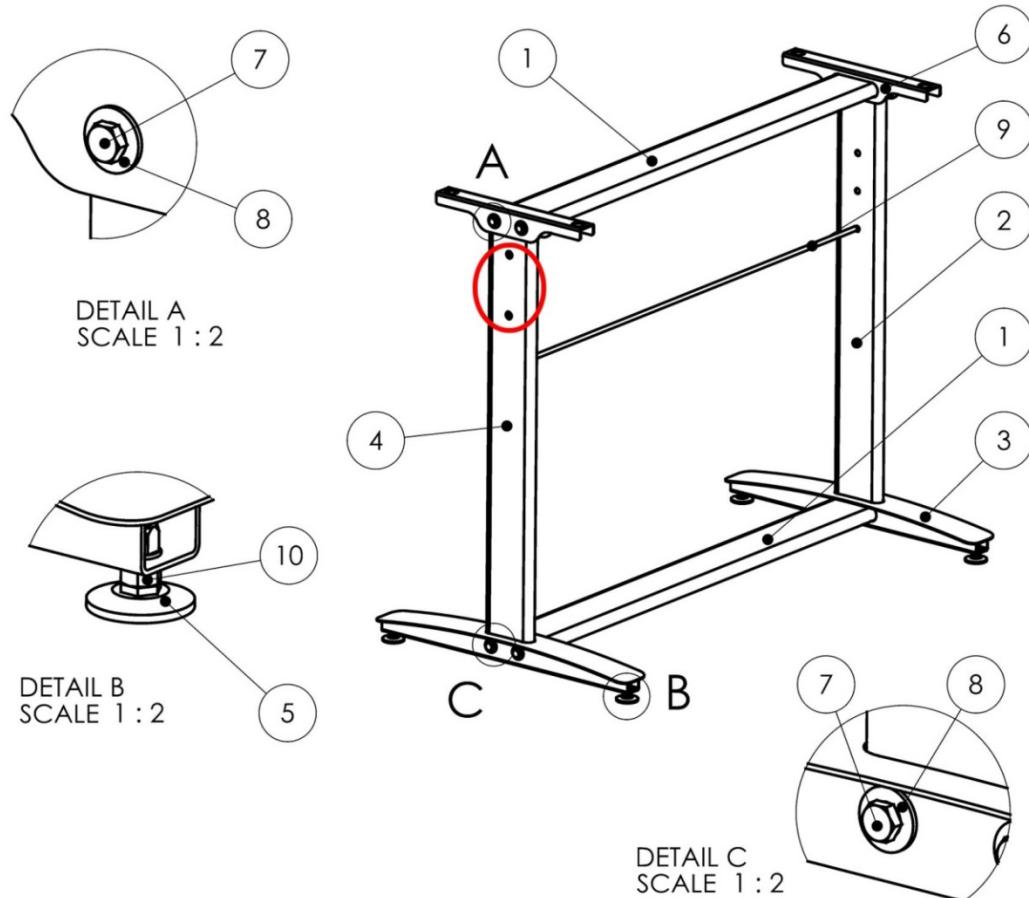


Picture 14: Assembling material

- 1: Table for monitor
- 2: Plastic bag with assembly material

C.1.1 Parts of Floor Stand

Take all parts out of the box and check for possible damages. The graph below shows and numbered all parts of the floor stand.



Picture 15: Parts of floor stand

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

No	Qty	Description
1	2	Crossbeam
2	1	Vertical leg without threaded bushes
3	2	Crossbeam foot. Adjustable feet (#5) and Hexagon nuts (#10) are pre-mounted at the crossbeam feet.
4	1	Vertical leg with threaded bushes
5	4	Adjustable foot
6	2	Upper longitudinal foot
7	8	Screw ISO 4014 – M8x50x22
8	8	Washer DIN 9021 – 8.4
9	1	Rod 8 x 982 mm / 1287 mm
10	4	Hexagon nut

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® 36: 966 mm

WideTEK® 44 / WideTEK® 48: 1271 mm

Length of upper longitudinal foot:

All scanner versions: 320 mm

Height of vertical leg:

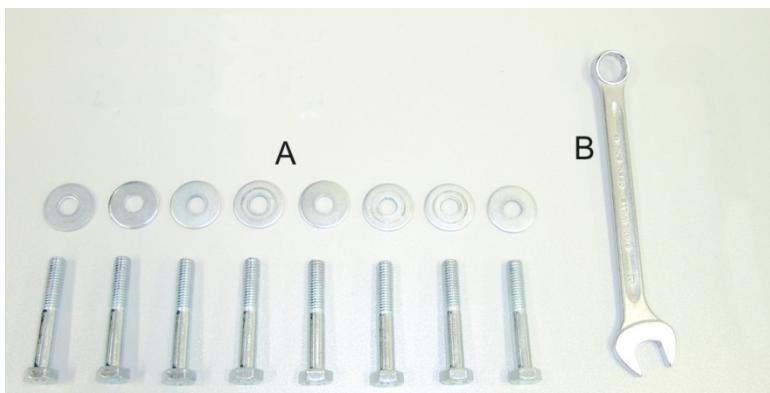
All scanner versions: 830 mm



The upper longitudinal feet 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

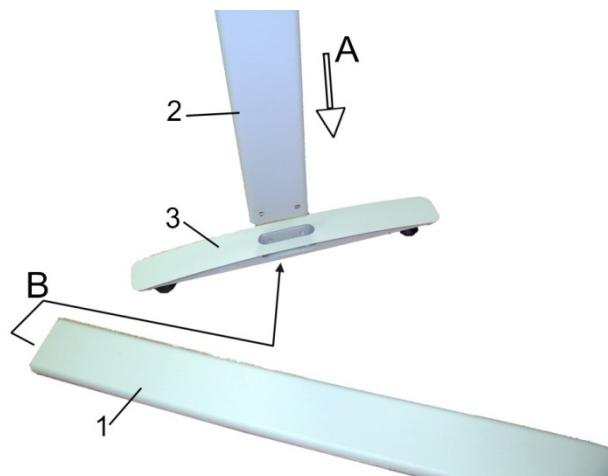
Start with a crossbeam (component #1), a vertical leg (component #2 or #4), and a crossbeam foot (component #3).

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.

Picture 15 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 to the opposite side.



Picture 16: Assembly steps

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 right side.

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

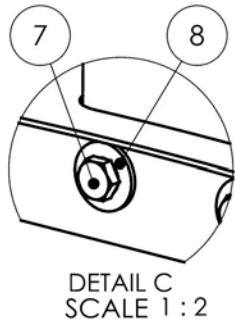
Picture 17 shows the result.



Picture 17: 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 18: Drawing "Detail C"



Picture 19: 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 20 shows the floor stand after the previously described assembly steps.



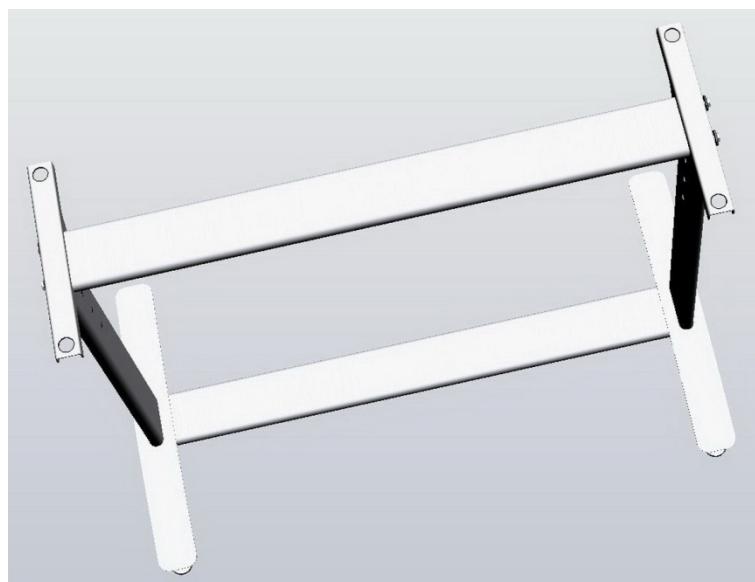
Picture 20: Bottom and side components assembled

Place an upper longitudinal foot on a vertical leg. The oval cut-out must face to the inner side.



Picture 21: Upper longitudinal foot on vertical leg

Insert the second crossbeam between the vertical legs.



Picture 22: Upper crossbeam inserted

Assemble the upper crossbeam, the upper longitudinal foot and the vertical leg on one side 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 23: Inserting the rod

The floor stand is complete now.



Picture 24: Floor stand complete

Picture 24 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.

Important: For safety reasons and because of the weight of the scanner the next steps should always be executed by two persons.

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

There are 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.

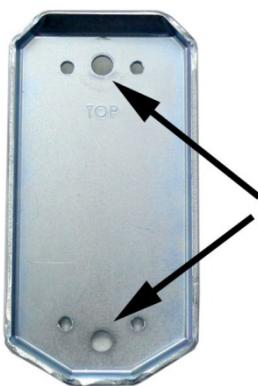
C.4.1 Parts of the Monitor Mount



Picture 25: 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 26: Base plate with marking „TOP“

The arrows in Picture 26 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 15, 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 27: 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 28: 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.



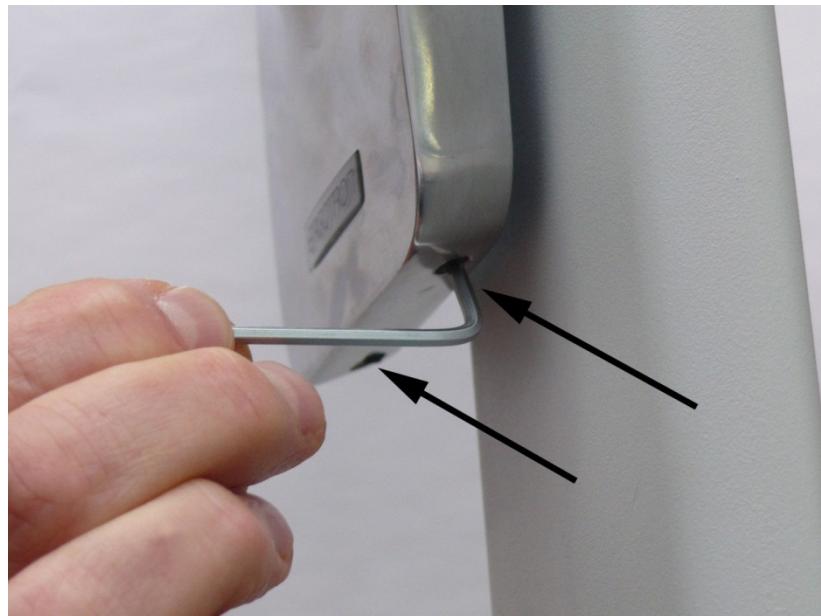
Picture 29: First step monitor mount on base plate

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



Picture 30: 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 31: 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 32: Floor stand with monitor mount

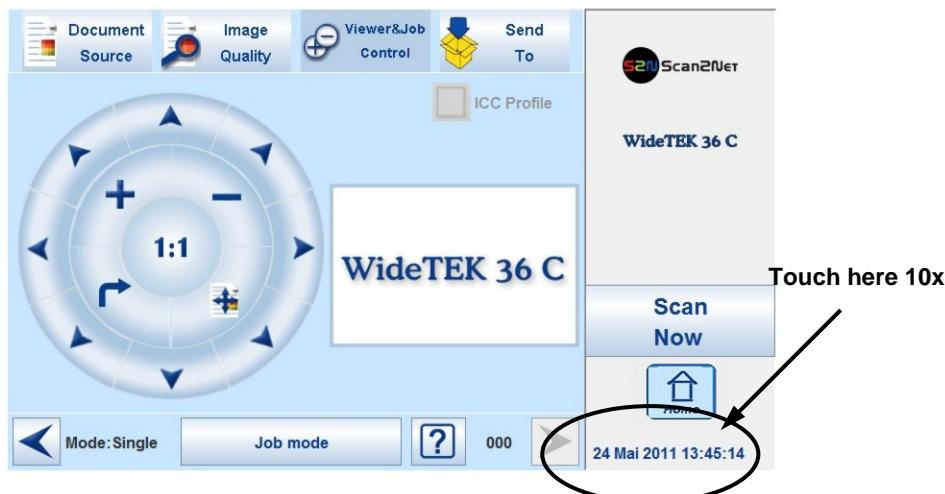
Always mount the monitor to the holding plate with four screws.

D Setup and Adjustments

The WideTEK® scanners allow some adjustments to be made 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.



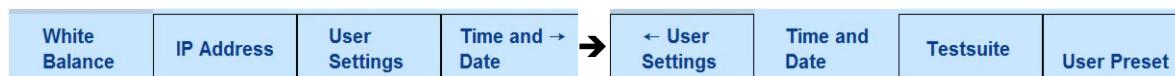
Picture 33: Viewer & Job Control screen

Please note: The screenshots are taken from a WideTEK® 36C; but they represent all 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 34: 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



Picture 35: 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.

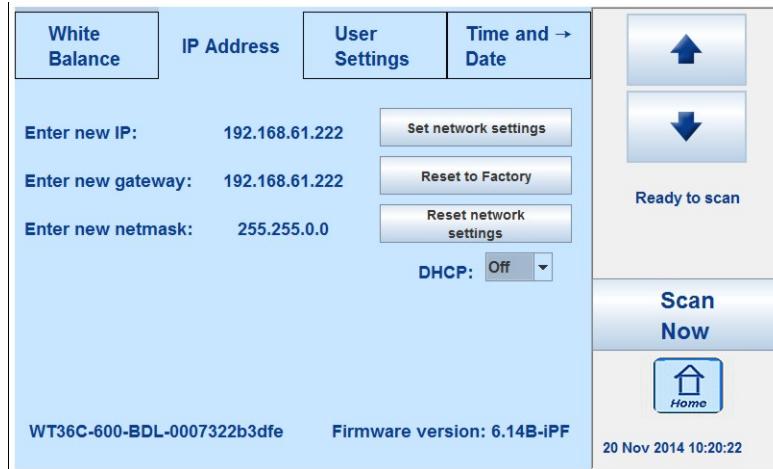
Touch the **Calibrate** button.

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.

D.2 IP Address



Picture 36: 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.

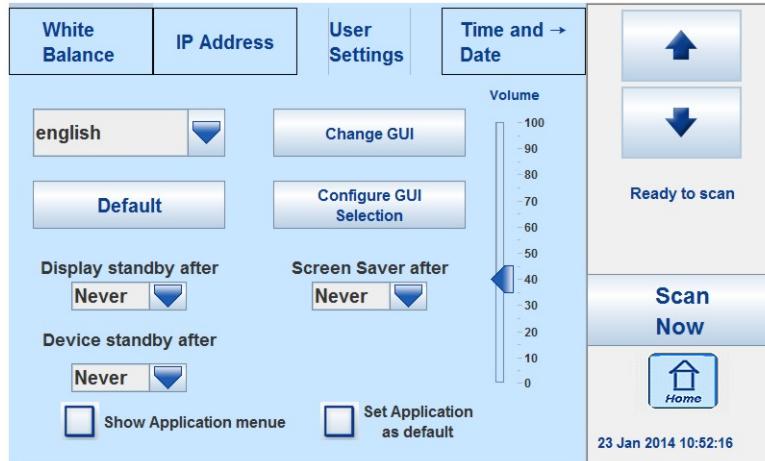
Reset network settings

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 37: 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

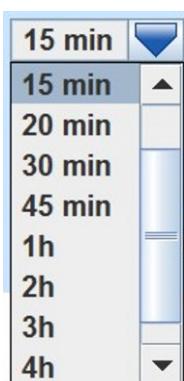
Returns all scanner settings to default values.

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.

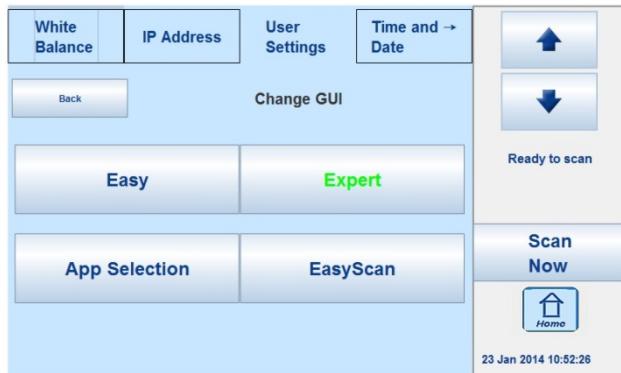


Display standby after	Sets the time of inactivity after the external display and the touchscreen switches to standby. The touchscreen and the external display turn to black. They will return after pressing the standby button or touching the touchscreen.
Screen Saver after	Sets the time of inactivity 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 38: Selectable presets

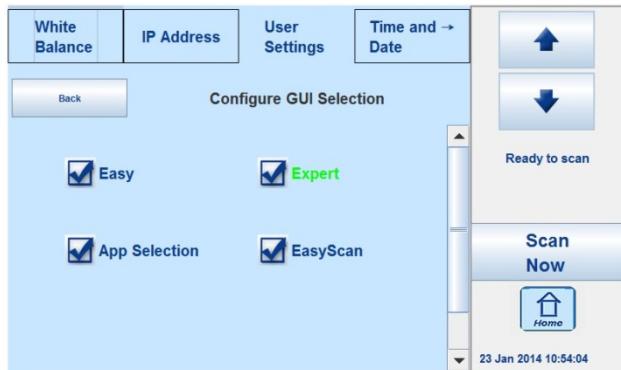
The **Change GUI** menu shows all predefined settings (presets). By default, the presets **Easy** and **Expert** are defined.

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 39: 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**.

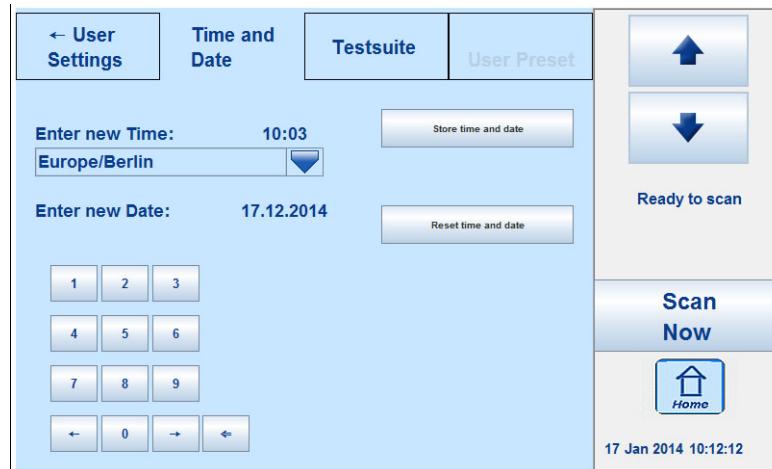
 Set Application as default

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 40: 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.

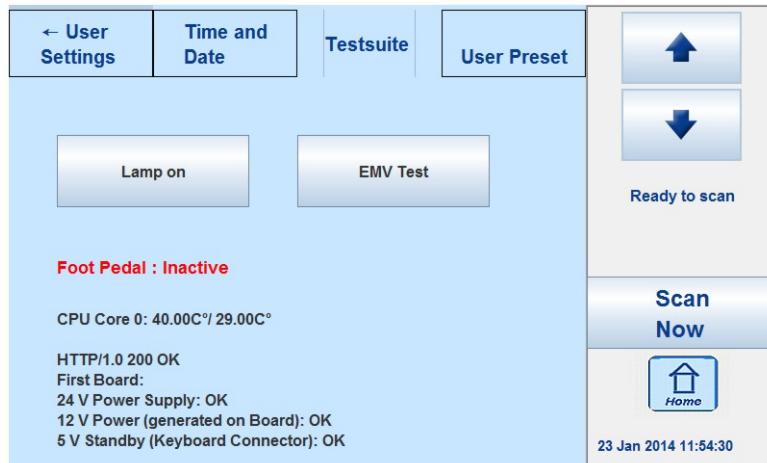
Touch the selecting arrow. A list with the available values opens.

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 41: 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.

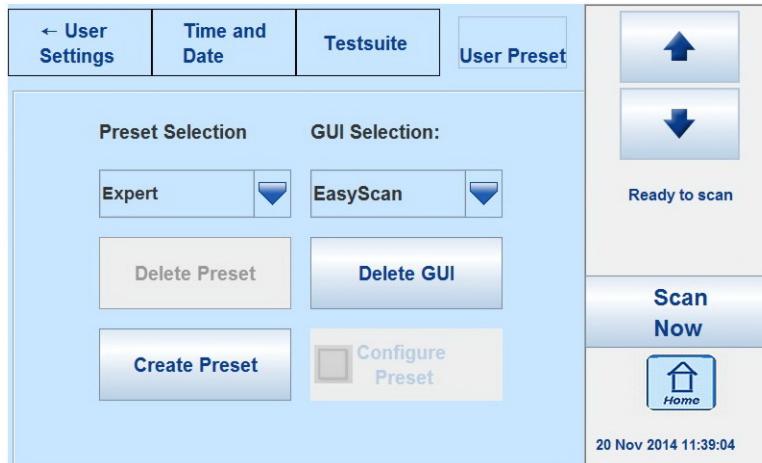
The document will be transported through the scanner and scanned. After a defined length the transport stops and the document will be transported in reverse direction. This sequence will be repeated continuously.

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 42: 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 43: 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 44: Selecting the preset content

D.6.2.1 Activating a function in the menus

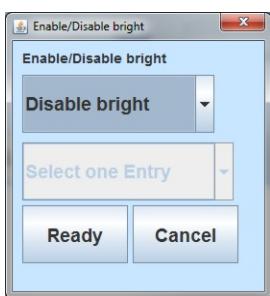
Select a menu from the menu list on top of the touchscreen.

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.

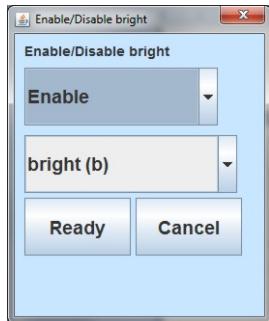
The first line always shows **Disable <name of the selected function>**.



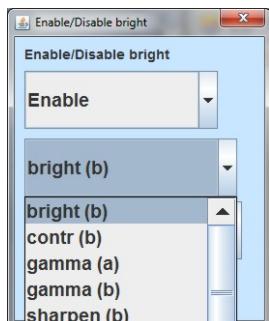
Disable: Disables the selected function.

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 Preset** screen (see chapter D.6).

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



Tap the **Home** button.

The touchscreen returns to the kiosk application.

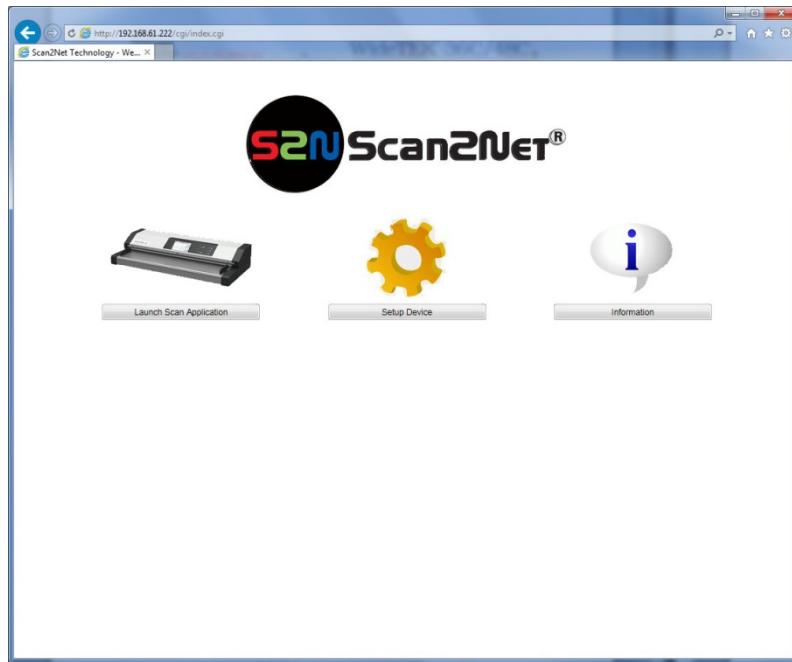
D.7 Returning to the Kiosk Application



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

E Poweruser Level

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



Picture 45: 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.

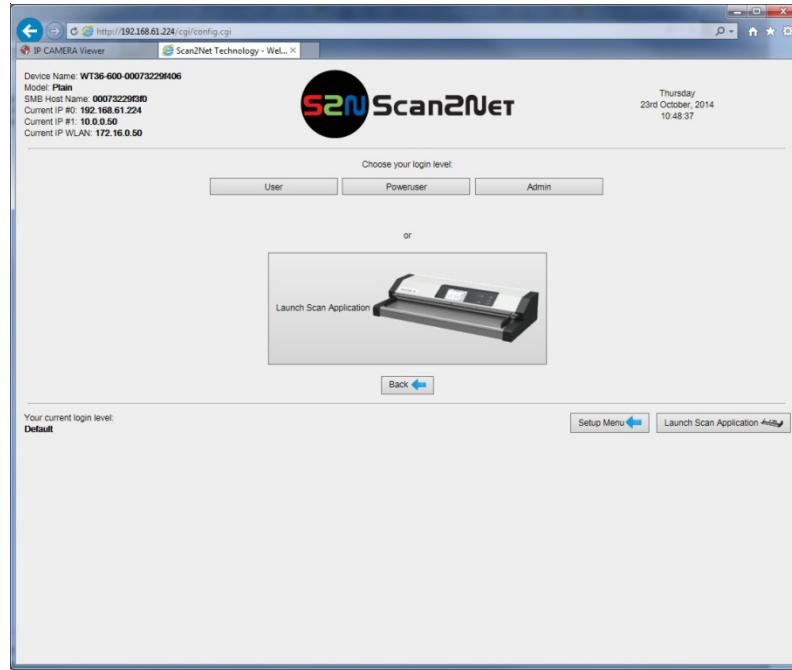
Select **Setup Device** to open the Setup menu.

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 46: 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**

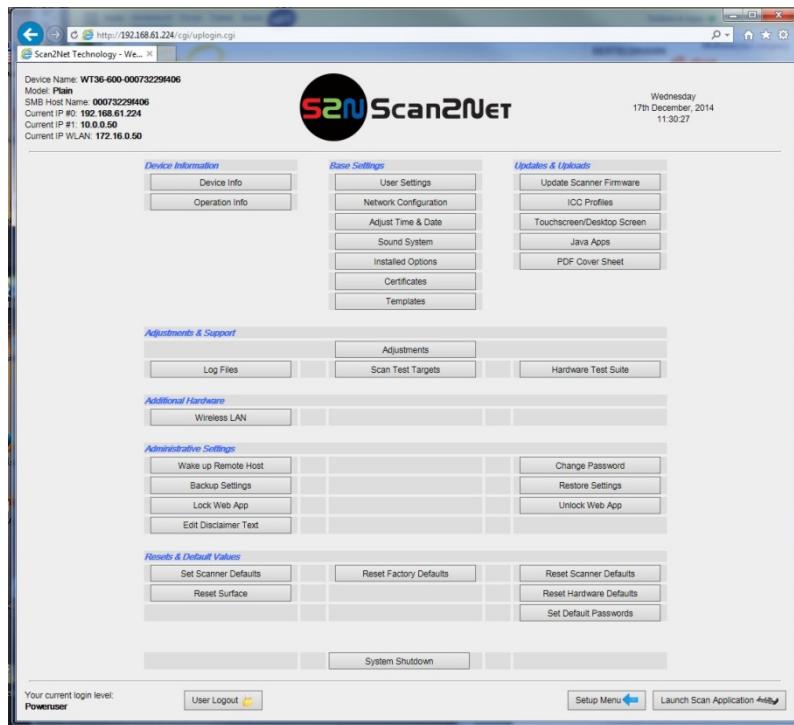
Consider the case sensitivity of user name and password.

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 47: 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.2.1.1 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 47).

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

User Logout 

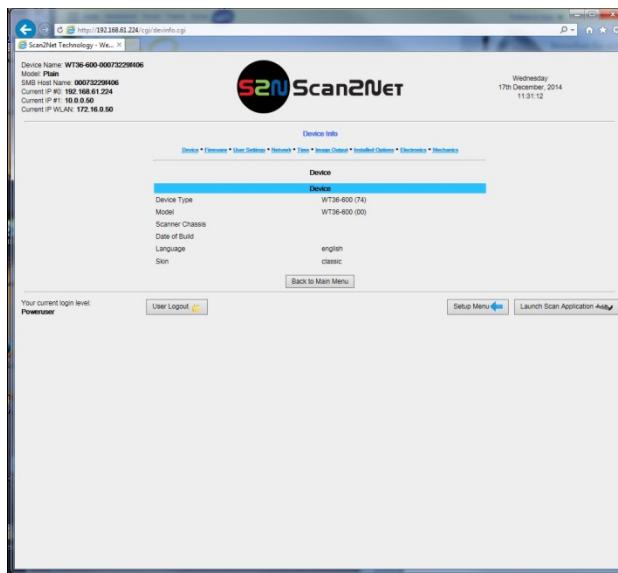
Always click at this button when leaving the setup menu to avoid unauthorized use of the setup features.

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

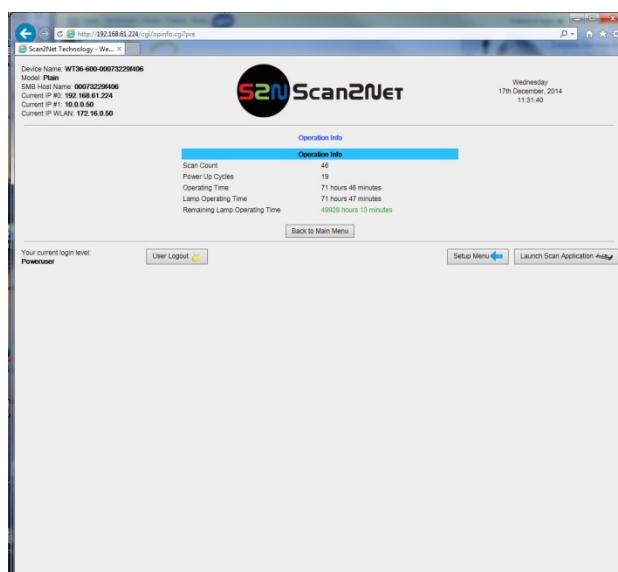
Device Info lists the hardware components and provides information about the settings for printer configuration, SMB configuration and many more. To find the information, click the respective links.



Picture 48: 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 49: Operation Info

E.4 Base Settings

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

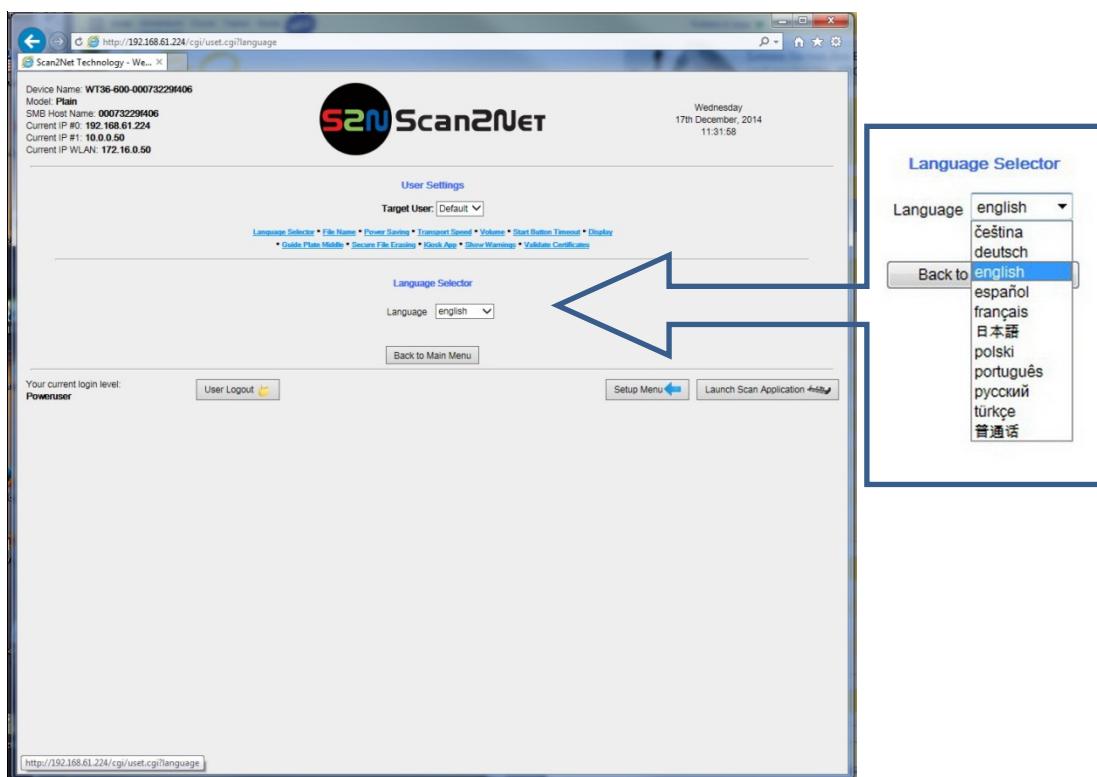
E.4.1 User Settings

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

The **User Settings** start screen is the **Power Saving** screen. The description of the menu items follows the order of the menus as they are displayed.

E.4.1.1 Language Selection

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



Picture 50: Language selector

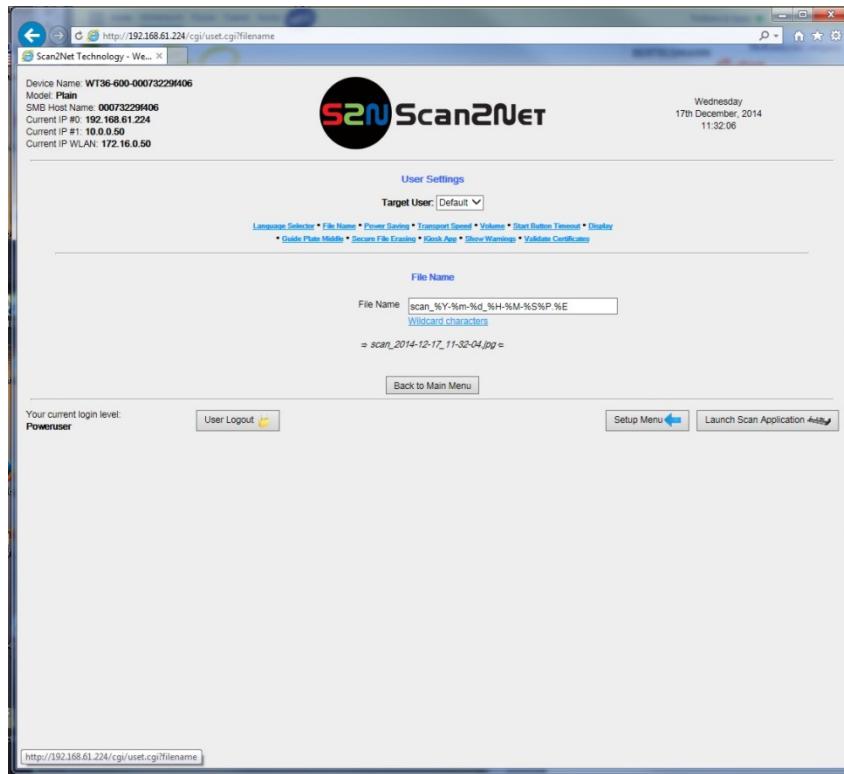
Click on the selection arrow and the list of available languages opens.

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

Use the function **File Name** to define a default name which is used when saving images after scanning.



Picture 51: 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 52: 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 53: Power Saving

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

Standby mode	Available values										
Device standby	<p>Device standby after</p> <table border="1"> <tr><td>5 minutes</td></tr> <tr><td>10 minutes</td></tr> <tr><td>15 minutes</td></tr> <tr><td>20 minutes</td></tr> <tr><td>30 minutes</td></tr> <tr><td>45 minutes</td></tr> <tr><td>1 hour</td></tr> <tr><td>2 hours</td></tr> <tr><td>3 hours</td></tr> <tr><td>4 hours</td></tr> </table>	5 minutes	10 minutes	15 minutes	20 minutes	30 minutes	45 minutes	1 hour	2 hours	3 hours	4 hours
5 minutes											
10 minutes											
15 minutes											
20 minutes											
30 minutes											
45 minutes											
1 hour											
2 hours											
3 hours											
4 hours											

Standby Method

Suspend to RAM saves the settings of the running processes to RAM. The scanner needs less time for start-up after standby.

Power off finalizes all processes. After standby the scanner needs more time for the start-up procedure.

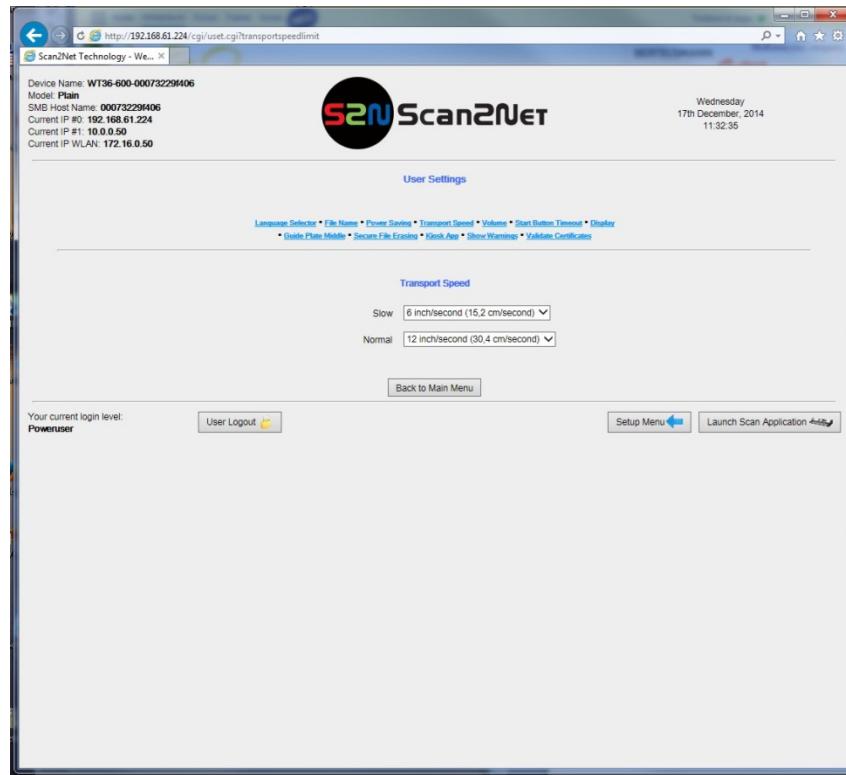
“Never” disables the power save function.

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

E.4.1.4 Transport Speed

Two transport speeds are available. They can be selected in the touchscreen as well as in the ScanWizard interface.

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



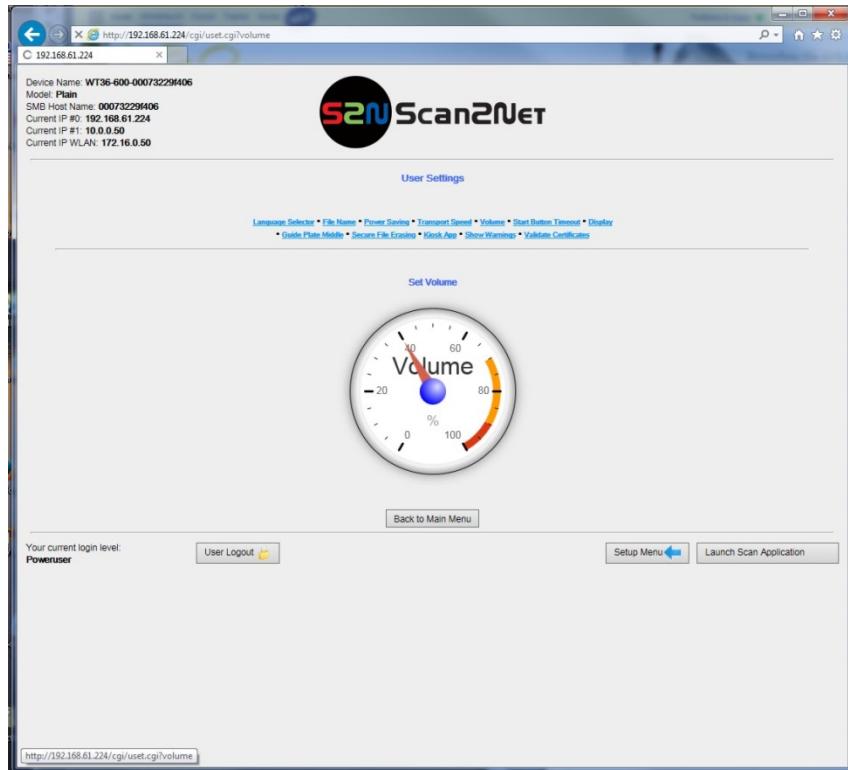
Picture 54: Transport speeds

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



E.4.1.5 Volume

Click the link **Volume** to set the loudspeakers volume of the scanner.



Picture 55: 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

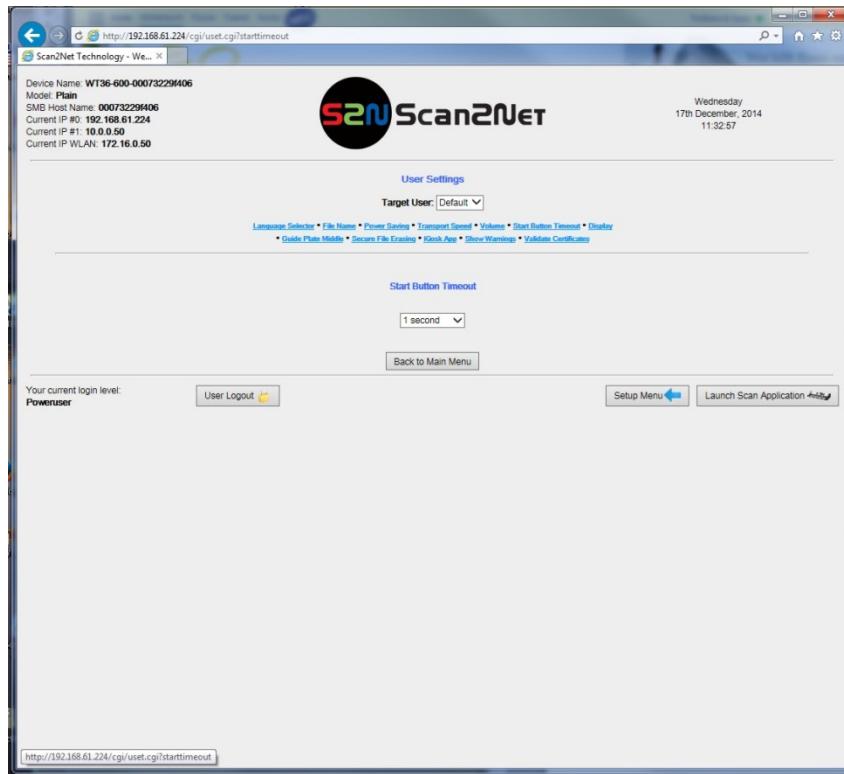
To return to the previous screen click the button **Back to Main Menu**.

To return to the **Login** screen (Picture 46) click the button **Setup Menu**.

Click the button **Launch Scan Application** to switch directly to the main screen of the integrated S2N user interface.

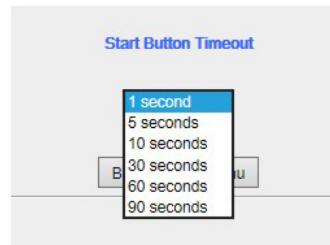
E.4.1.6 Start Button Timeout

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



Picture 56: Start Button timeout

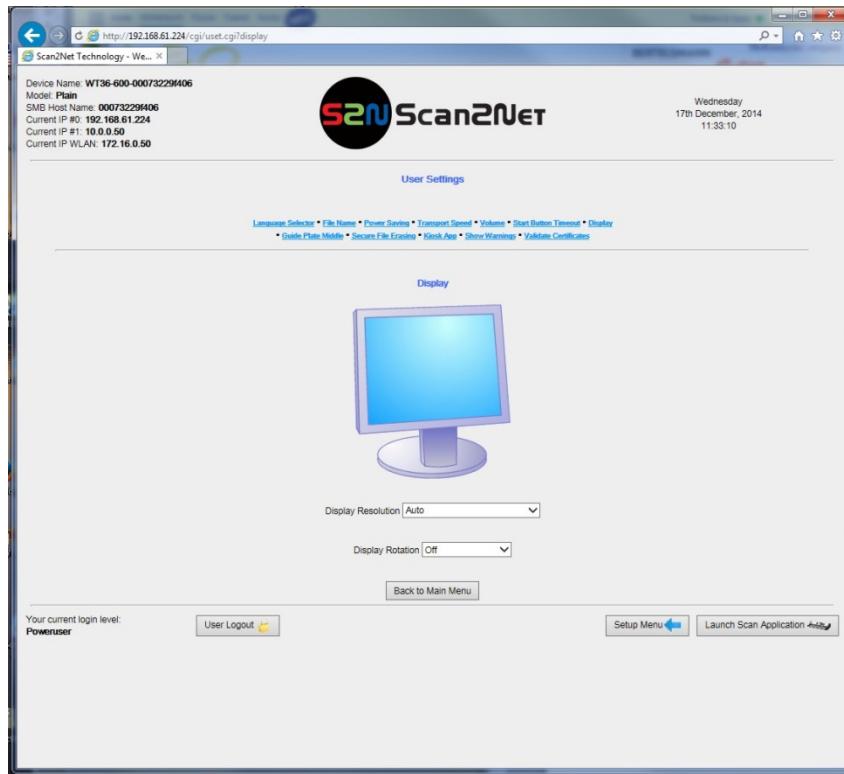
Click at the selection arrows to display the available settings for the delay.



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

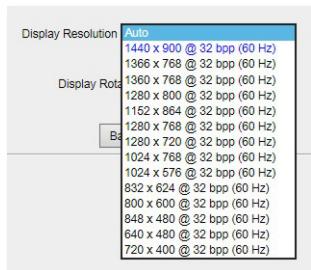
E.4.1.7 Display

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



Picture 57: Display parameters

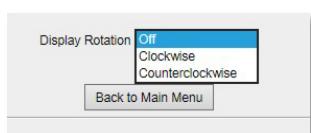
The external monitor (optional) has a resolution of 1366 x 768 pixels by default.



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.

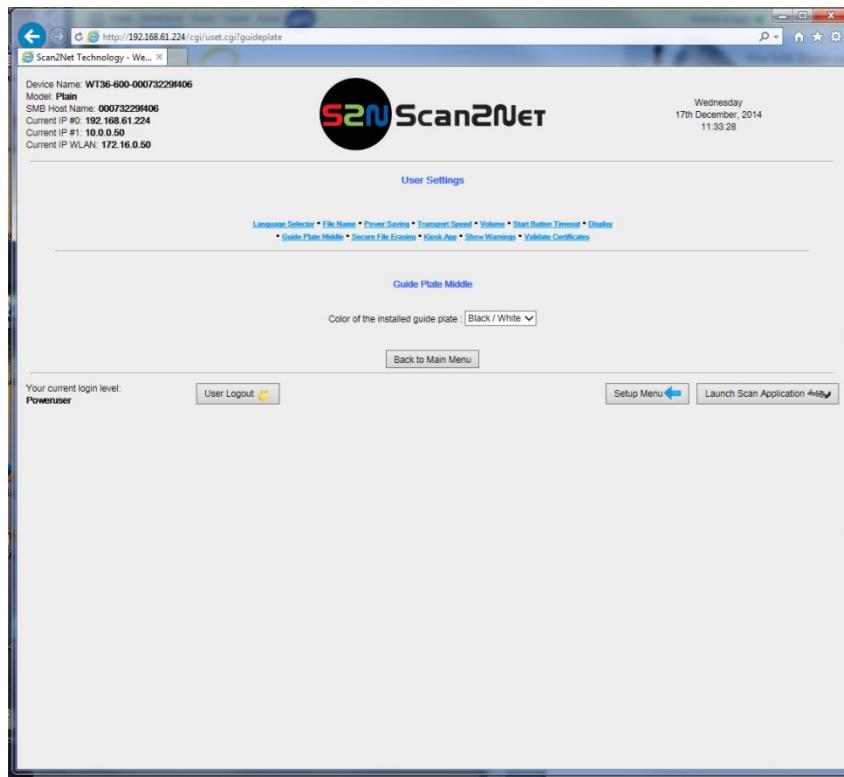


To rotate the image on the monitor, click the selection arrow in the line **Display Rotation**.

E.4.1.8 Guide Plate Middle

Use the function **Guide Palte Middle** to select the color of the guide plate.

The settings you make here affect correction algorithms while scanning.



Picture 58: Guide plate middle

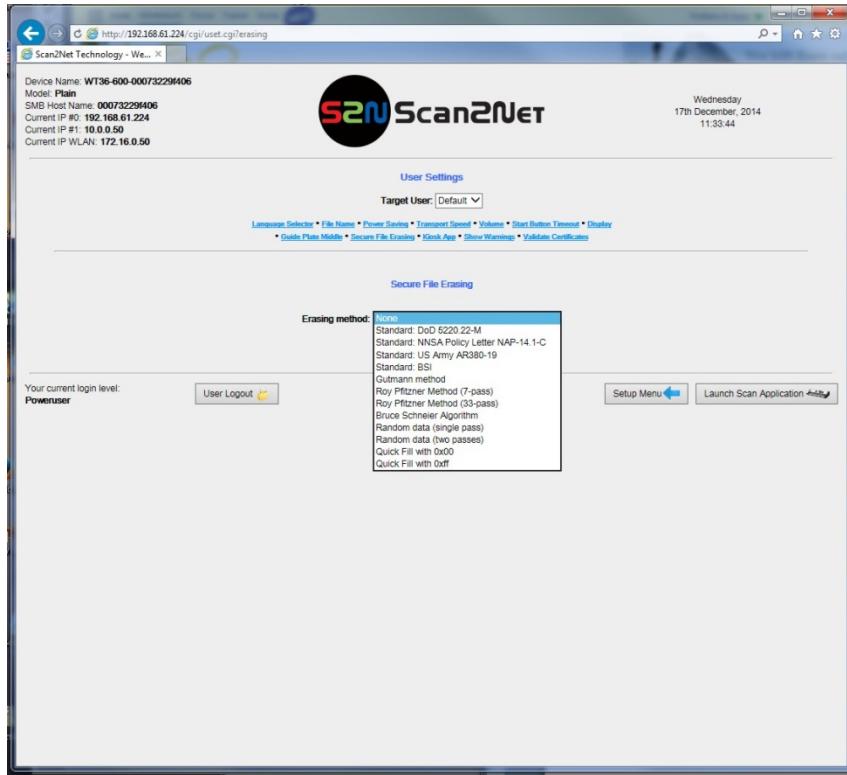


To change the setting, click the selection arrow in the line **Color of the installed guide plate**.

Select **Black / White** or **Other**

E.4.1.9 Secure File Erasing

This menu item allows selecting the erasing method for files stored in the scanner memory.



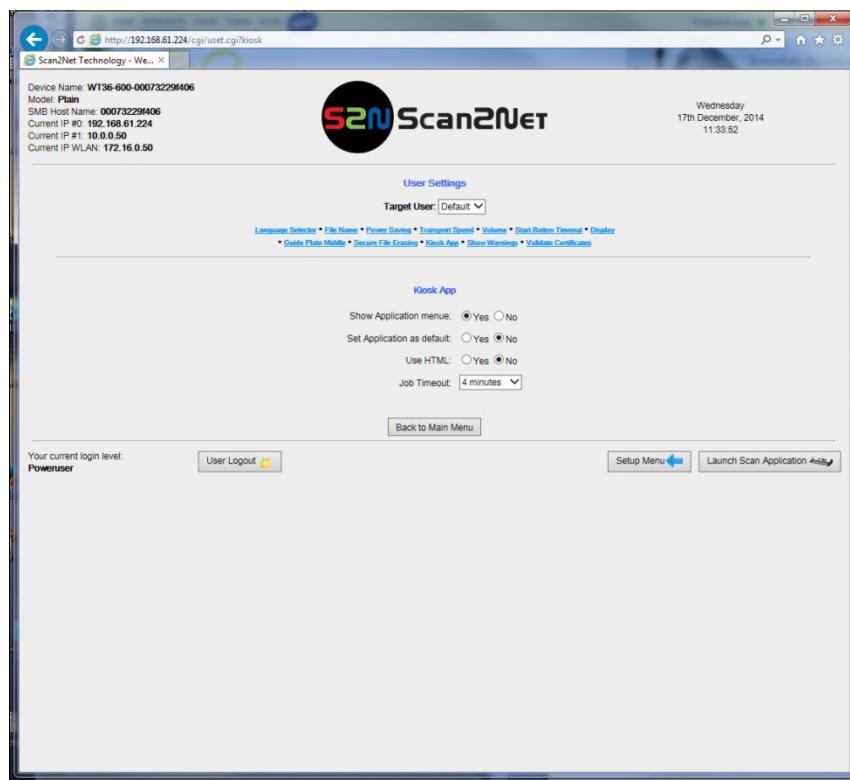
Picture 59: List of available erasing methods

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

Select the desired method by clicking on the methods name.

E.4.1.10 Kiosk App

Use the function **Kiosk App** to define how the scanner behaves when starting.



Picture 60: 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** 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 kiosk application.

Use HTML:

- Yes** The touchscreen shows the HTML based kiosk application.
- No** The JAVA based kiosk application will be used.

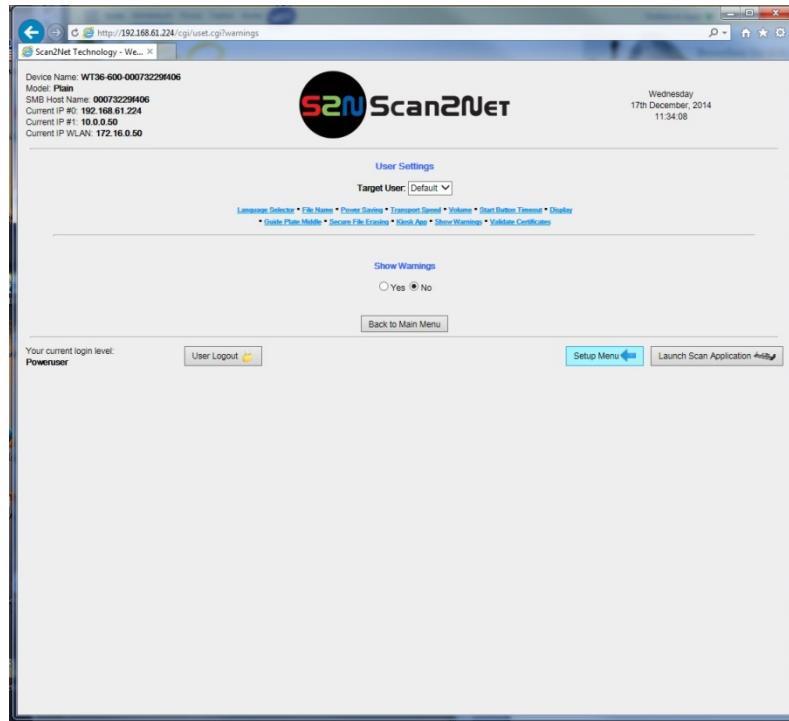
Job Timeout:

Click at the selection arrow to open the list of available time settings.

Never disables this function.

E.4.1.11 Show Warnings

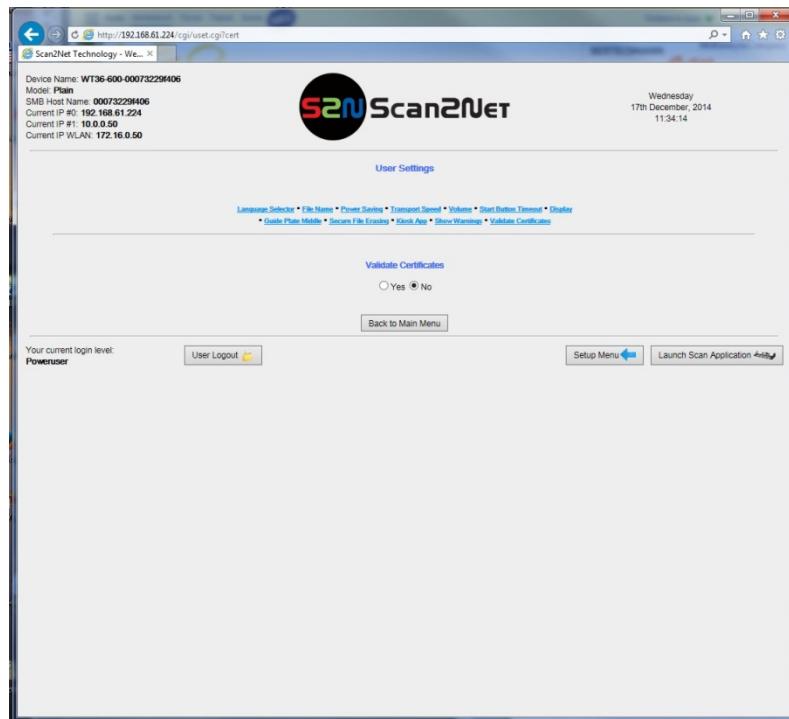
Use the function **Show Warnings** to set warning messages on or off in the user interface.



Picture 61: Show Warnings selector

E.4.1.12 Validate Certificates

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



Picture 62: Validate Certificates selector

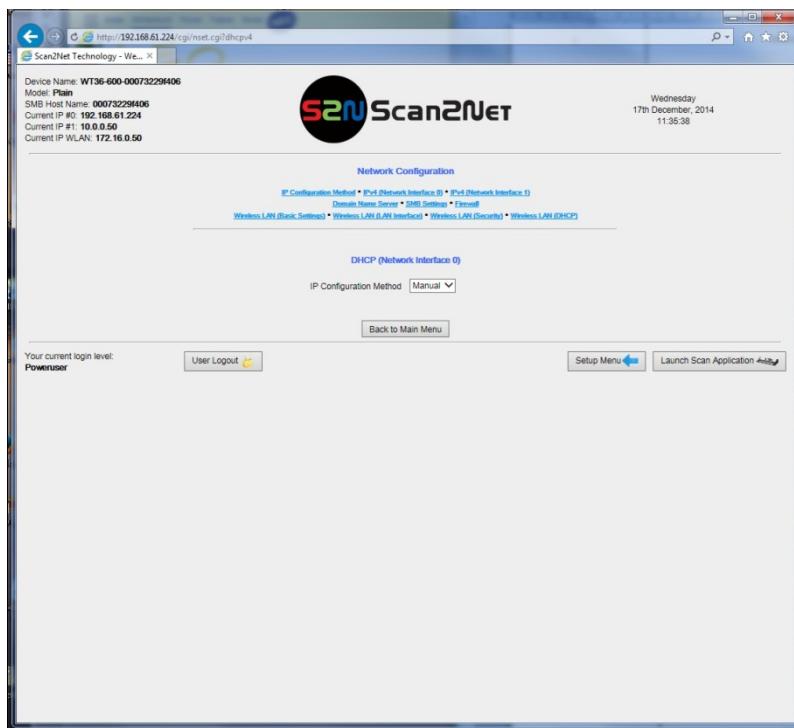
E.4.2 Network Configuration

The section **Network Configuration** is divided in nine 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 63: IP Configuration Method

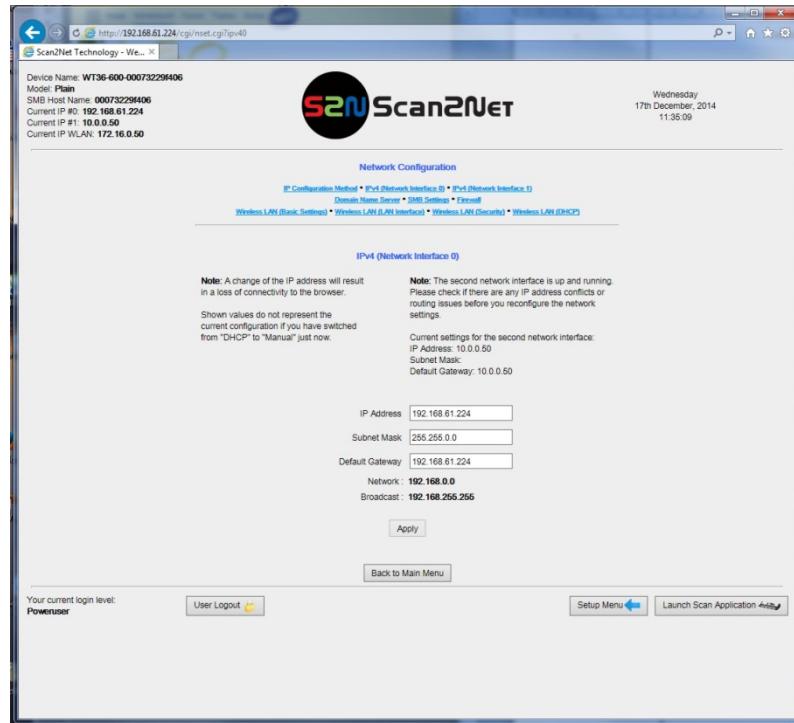
Manual	Allows setting the IP address, subnet mask, and default gateway manually; corresponding to the network where the scanner will be used. After modifying the above named values, the connection to the scanner must be restored with the new data.
DHCP	Sets the values for IP address, subnet mask, and 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 64: 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.

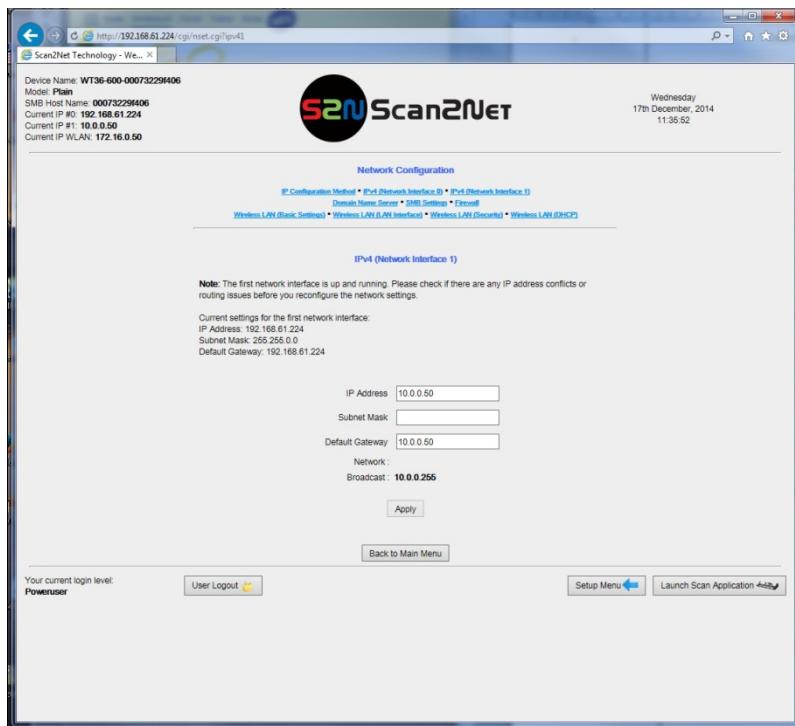
After modifying the network parameters, click on the **Apply** button to transfer the new settings to the scanner. The scanner is now accessible with its new IP address.

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 65: 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

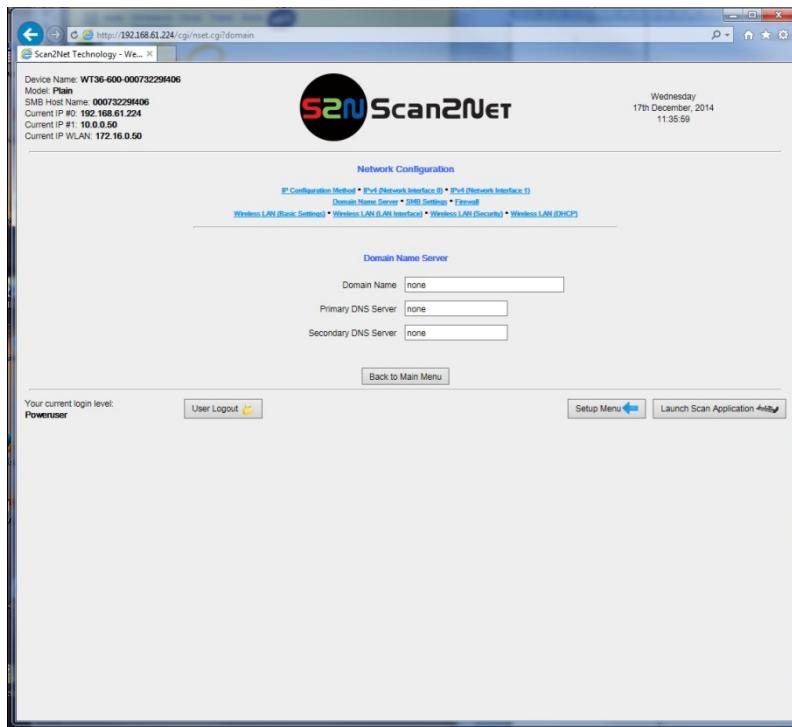
Default gateway: 172.16.0.50

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 66: Domain Name Server parameters

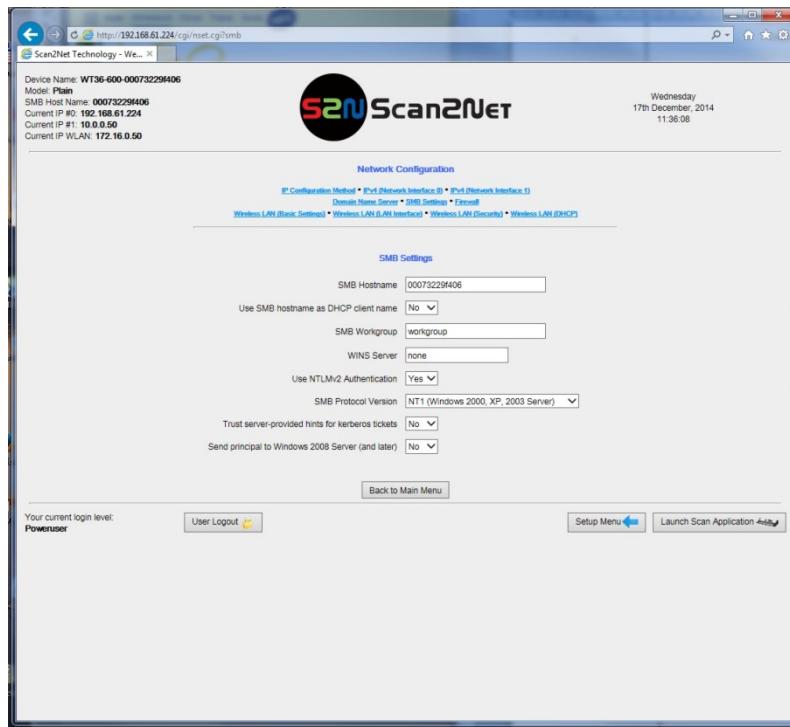
Domain Name Enter the domain name here.

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**.



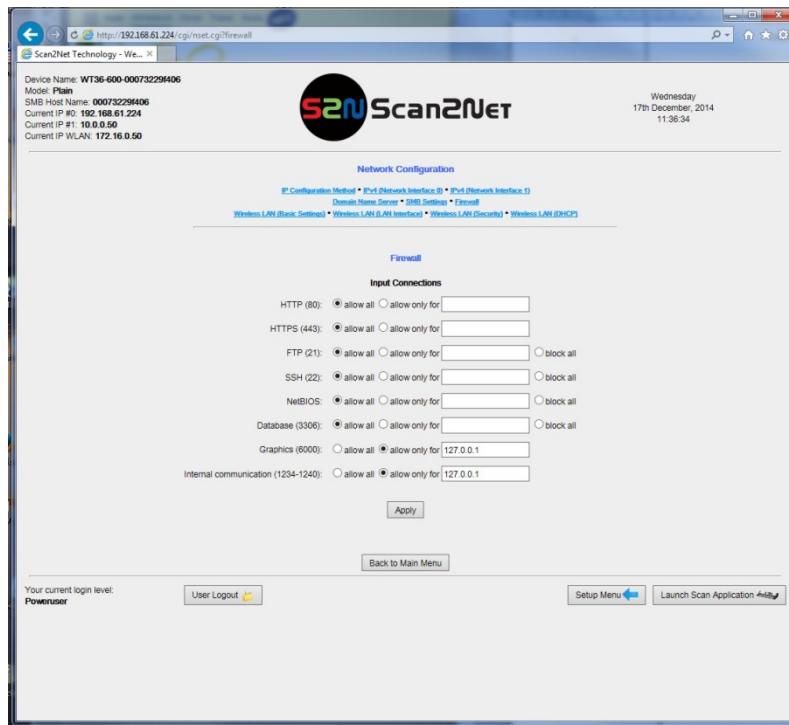
Picture 67: SMB Settings

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 68: Firewall settings

The standard ports for the protocols are displayed in brackets.

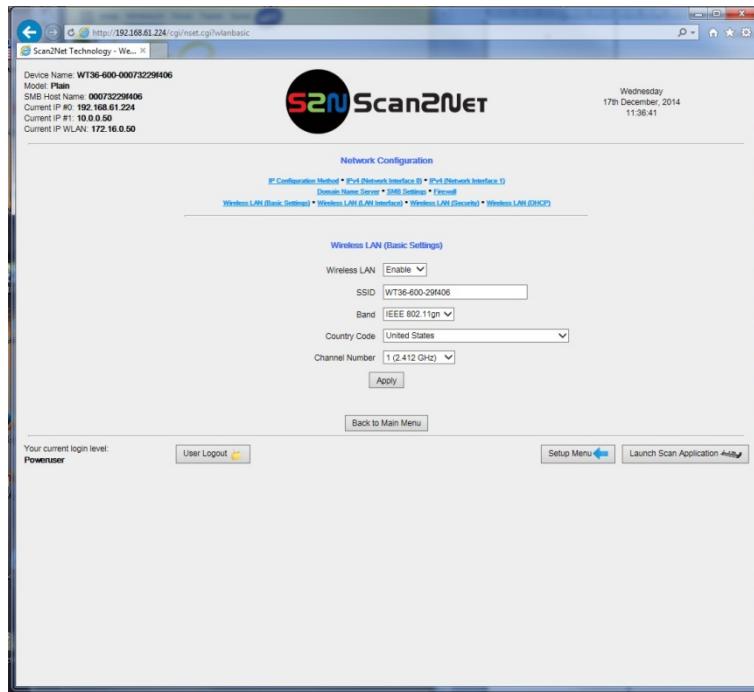
- | | |
|-----------------------|--|
| allow all | No restriction for the use of the protocol |
| allow only for | Enter the IP address or the address range in CIDR notation for the devices which are allowed to use the protocol.
CIDR notation means e.g. 192.168.0.x/24 or 172.16.x.x/16. |
| block all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

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

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 69: Wireless LAN Basic Settings

Note: The default settings are recommended.

Wireless LAN

Enable activates the WLAN function.

Disable switches the WLAN module off.

SSID

Enter a name to identify the WLAN of the scanner.

Band

Click on the selection arrow to open the list.

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

Country Code

Select the country where the scanner is used. This setting defines the frequency range which is used for WLAN communication in the respective country. After selecting another country code, click at the **Apply** button to refresh the channel number list.

Channel Number

The quantity and the frequencies displayed in the list depend on the selected country code. If the data transfer between scanner and wireless device are disturbed, it is recommended to select another channel.

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 parameters for the WLAN adapter. Depending at the WLAN module which is integrated into the scanner, the values for **IP Address** and **Default Gateway** can vary.

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 70: Wireless LAN (LAN Interface)

The WLAN modules differ in the IP address which is available for communication.

The IP address which can be entered here must fulfil two criteria:

- Only IP addresses for private networks are allowed.
- The IP address of the WLAN module and the IP address range of the network, where the scanner should be established, must not come in conflict.

IP Address Enter the IP address of the WLAN module.

Subnet Mask Enter the value for the subnet mask.

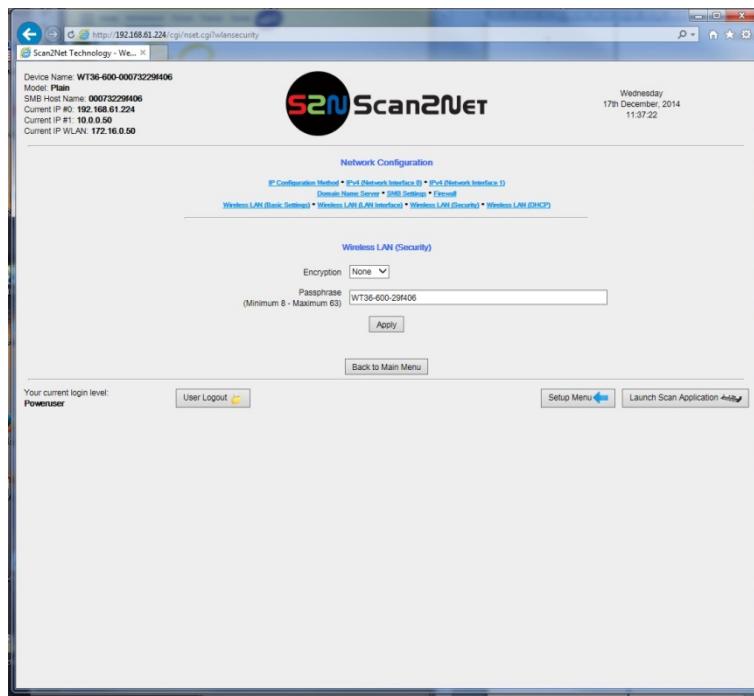
Default Gateway Enter the value for the gateway.

After modifying the network parameters, click 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 71: 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.

Passphrase

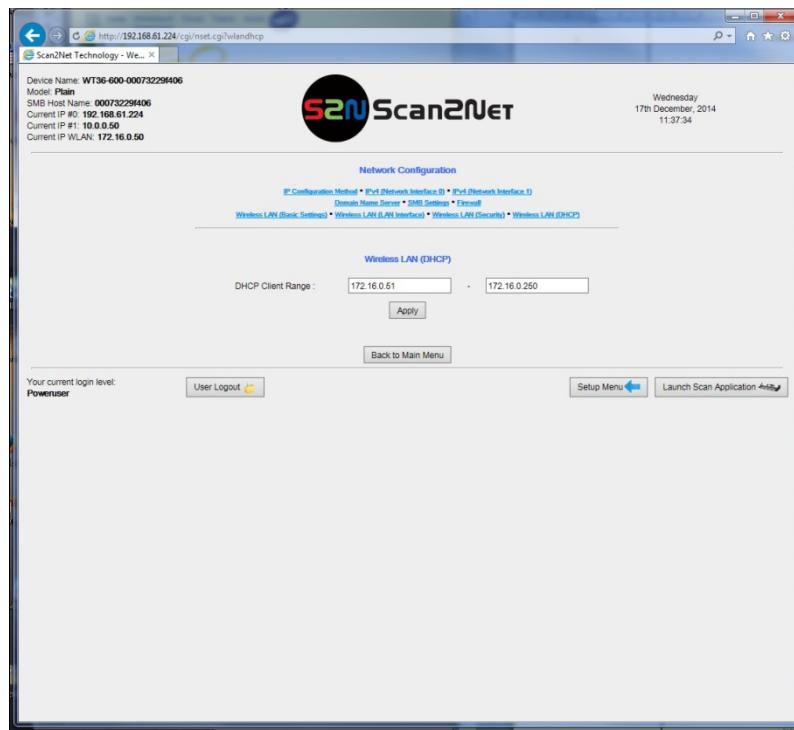
Enter a string as passphrase here.

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 72: 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.

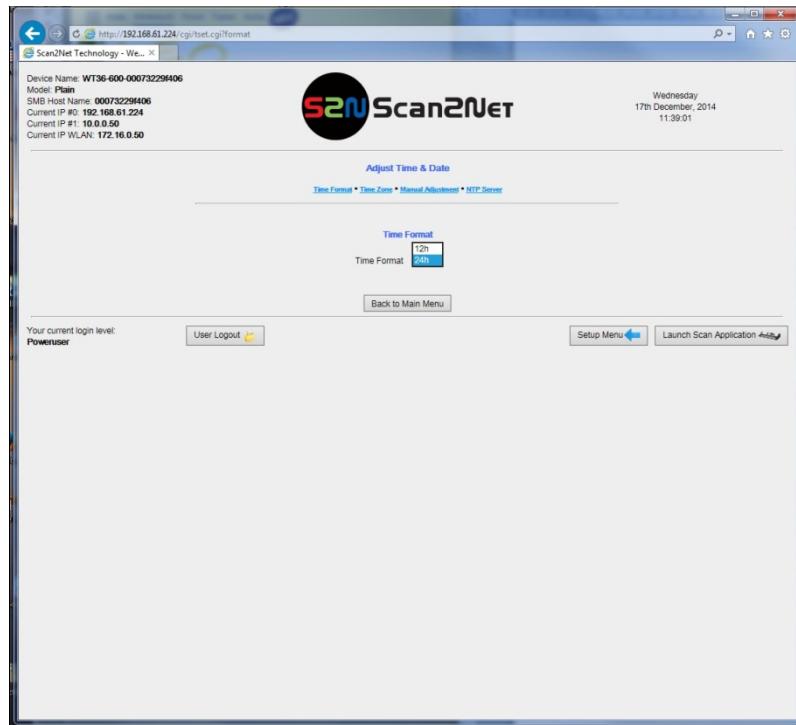
Select the time zone. See chapter E.4.3.2.

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.



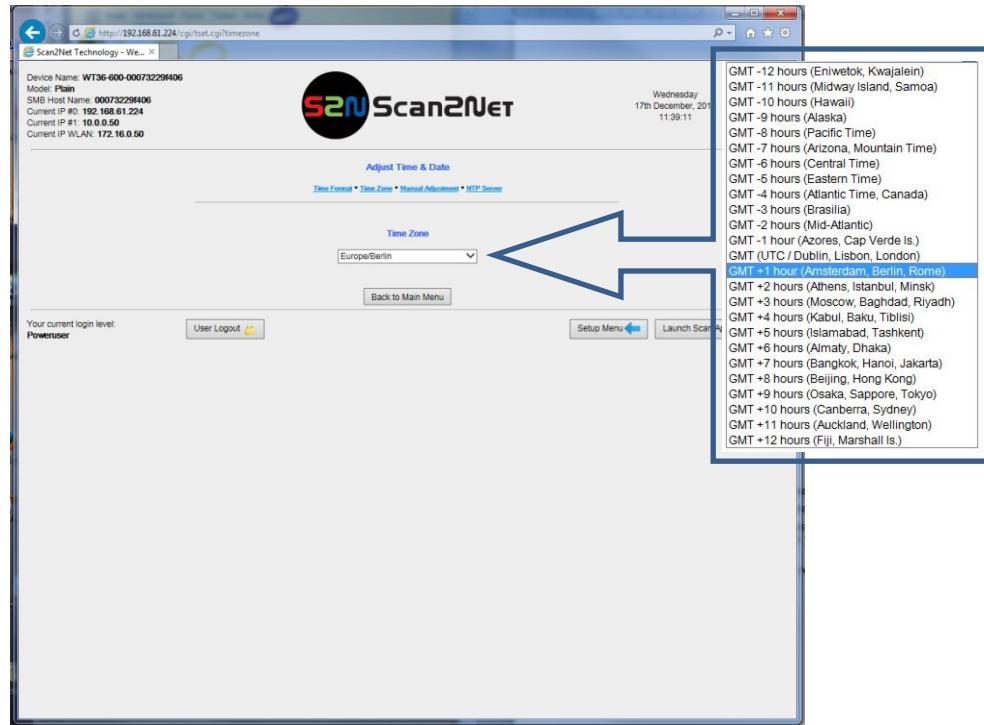
Picture 73: Time Format

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.



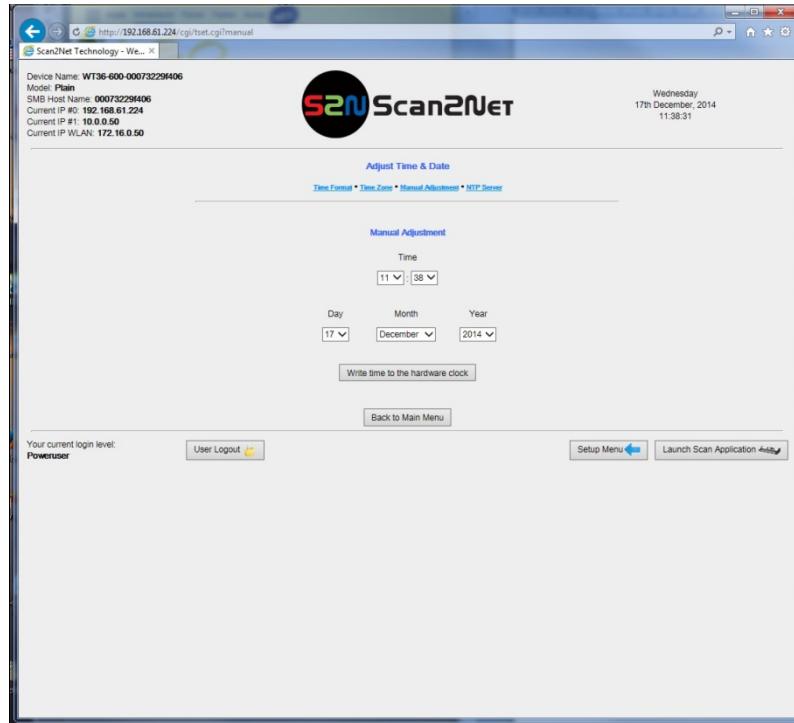
Picture 74: Time Zone screen

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.



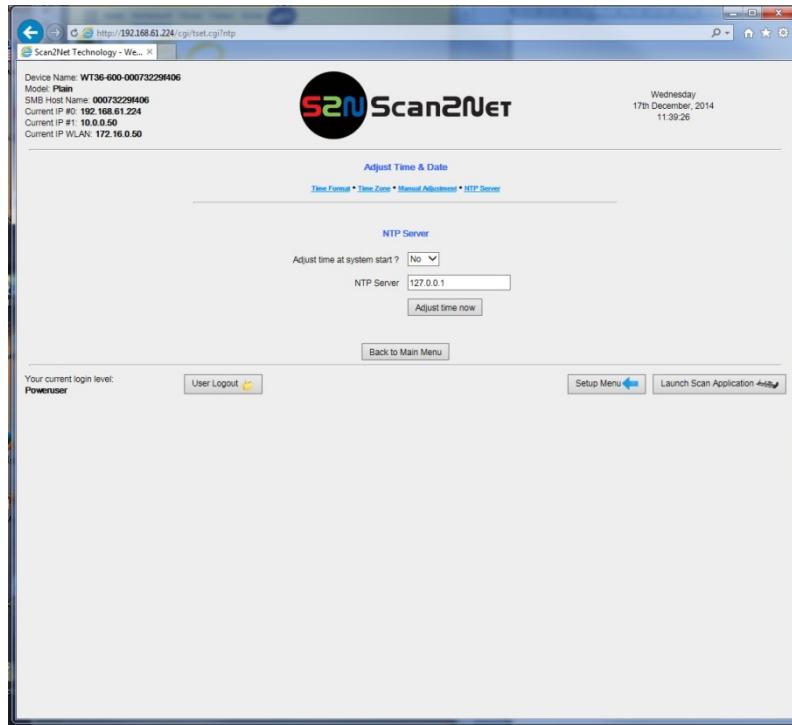
Picture 75: Manual Adjustment

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 76: 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.

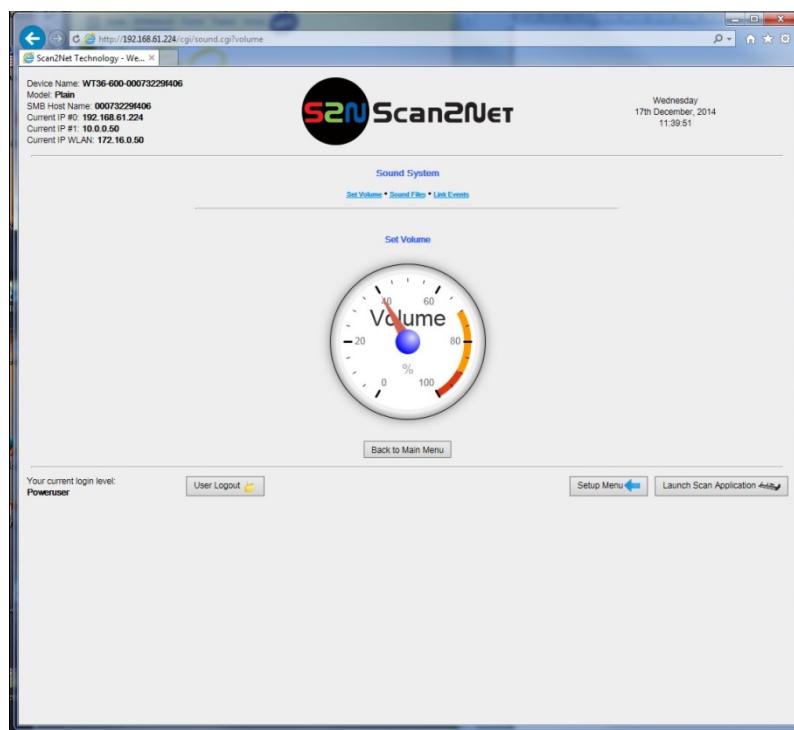
E.4.4 Sound System

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 77: Set Volume

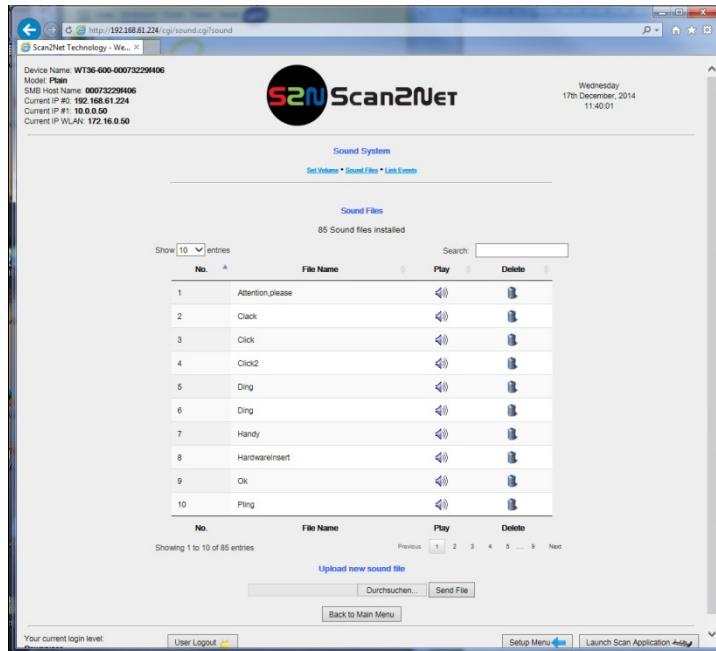
A screen opens and shows a graphic to symbolize the volume level.

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**.

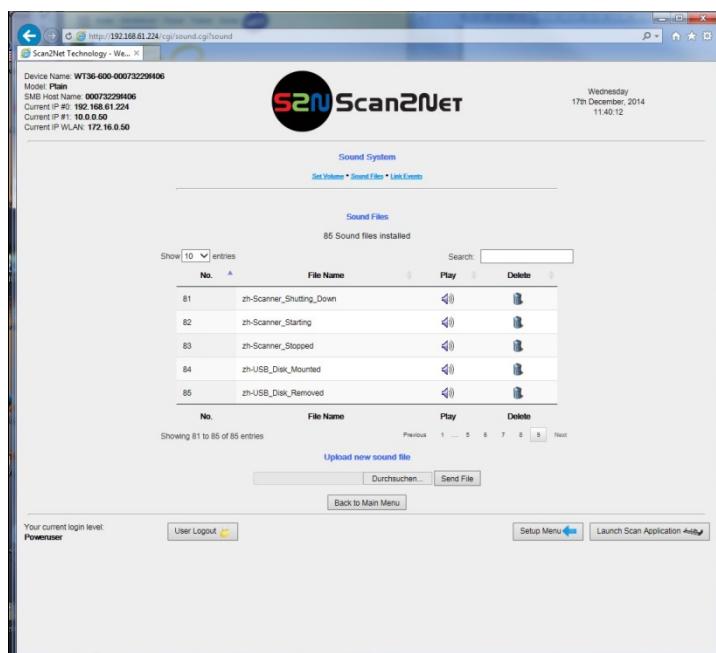
E.4.4.2 Sound Files

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



Picture 78: Sound Files list

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



Picture 79: Upload new sound files

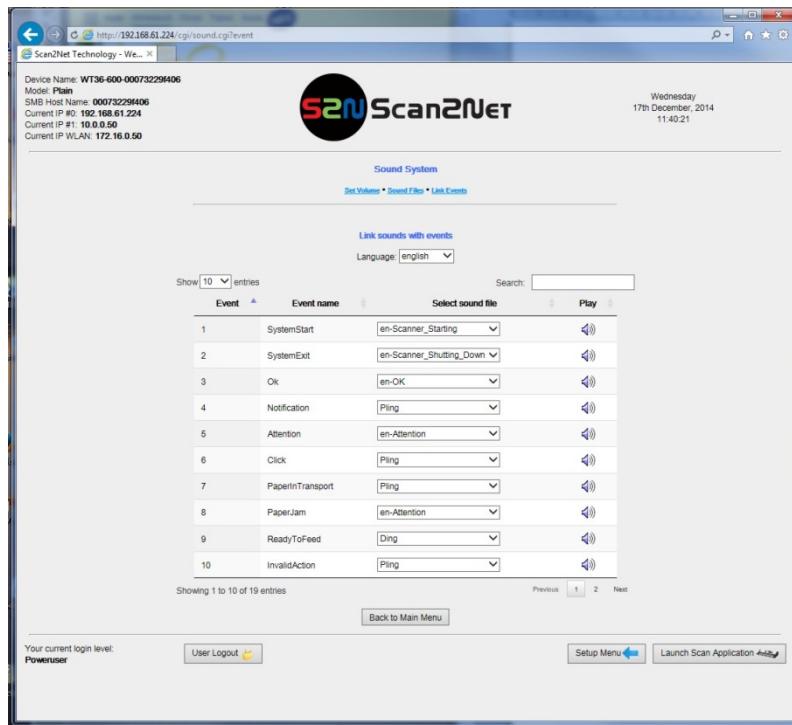
Click on the button **Search** to search the directories of your local PC and/or your network for sound files.

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.



Picture 80: 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.

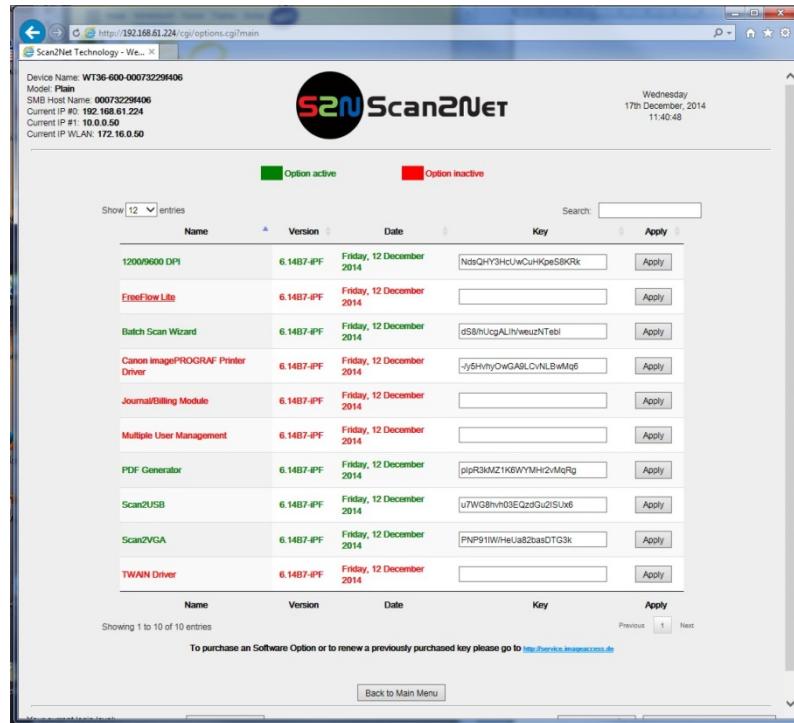
Select the desired sound file from the list.

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.



Picture 81: 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.

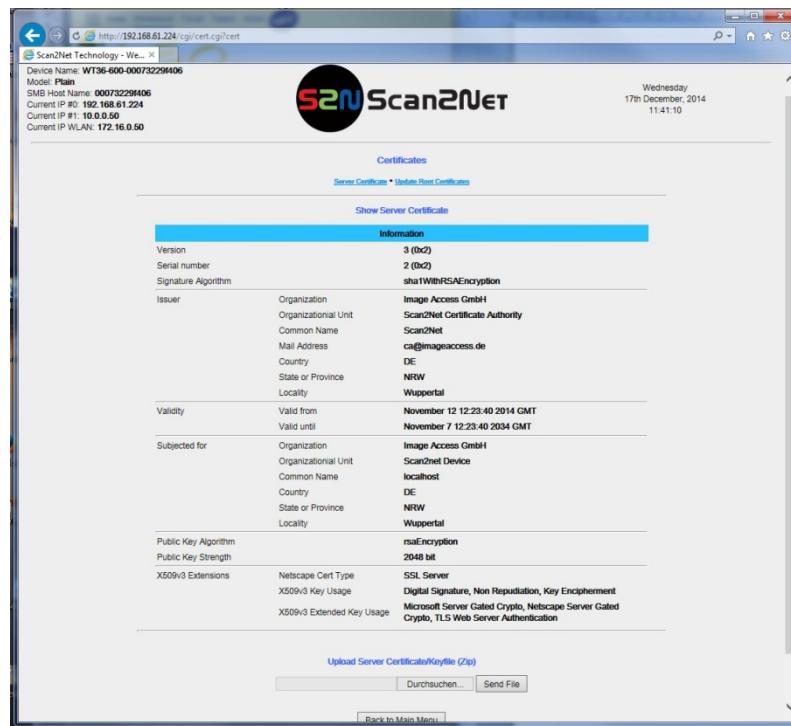
The software keys can be purchased at the Image Access Customer Service Portal. Visit the URL portal.imageaccess.de and enter the data for your scanner to get the available keys.

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.4.6 Certificates

This section shows the server certificates information.



The screenshot shows a web browser window displaying the Scan2Net configuration interface. The URL is <http://192.168.61.224/cgi/cert.cgi/cert>. The page title is "Scan2Net Technology - We...". The top status bar shows device information: Device Name: WT36-600-00073229406, Model: Plain, SMB Host Name: 00073229406, Current IP #: 192.168.61.224, Current IP #: 10.0.0.50, Current IP WLAN: 172.16.0.50. The date and time are Wednesday, 17th December, 2014, 11:41:10. The main content area is titled "Certificates" and shows the "Show Server Certificate" tab selected. A table provides detailed information about the certificate:

Information	
Version	3 (0x2)
Serial number	2 (0x2)
Signature Algorithm	sha1WithRSAEncryption
Issuer	Organization: Image Access GmbH Organizational Unit: Scan2Net Certificate Authority Common Name: Scan2Net Mail Address: ca@imageaccess.de Country: DE State or Province: NRW Locality: Wuppertal
Validity	Valid from: November 12 12:23:40 2014 GMT Valid until: November 7 12:23:40 2034 GMT
Subjected for	Organization: Image Access GmbH Organizational Unit: Scan2Net Device Common Name: localhost Country: DE State or Province: NRW Locality: Wuppertal
Public Key Algorithm	rsaEncryption
Public Key Strength	2048 bit
X509v3 Extensions	Netscape Cert Type: SSL Server X509v3 Key Usage: Digital Signature, Non Repudiation, Key Encipherment X509v3 Extended Key Usage: Microsoft Server Gated Crypto, Netscape Server Gated Crypto, TLS Web Server Authentication

At the bottom of the page are buttons for "Upload Server Certificate/Keyfile (Zip)", "Durchsuchen...", "Send File", and "Back to Main Menu".

Picture 82: Server Certificate information

E.4.7 Templates

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

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

The selected **Owner Filter** defines the number of templates for each link. At delivery of the scanner three entries in the **Owner Filter** are available.

All: Shows all available templates.

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

Default: Shows the configurable outputs available as standard.

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

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

To open the templates, just click the respective link.

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

Name, Privacy and Public

These field names are shown in every setting.

Name	Color Printer FE
Privacy	Public ▾
Owner	Default ▾

Picture 83: Selector for Name, Privacy and Owner

Name Enter the name for the template here.

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

Public Available for every user.

Private Only for users logged-in to the scanner.

System Only for system function, used by the administrator

User Available for the currently logged-in user.

Owner Select the name from the user list.

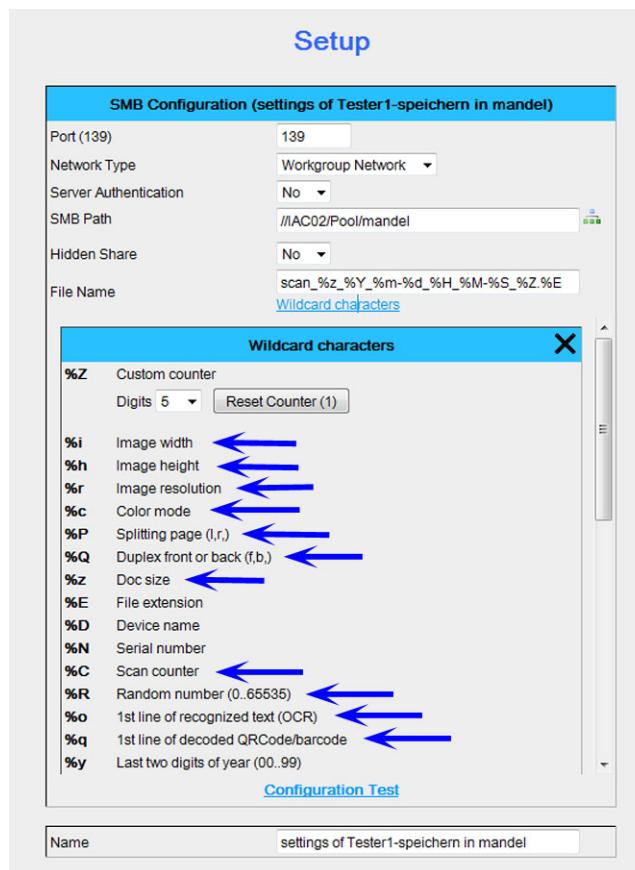
E.4.7.1 Exclusion of Wildcard Characters for Jobmode Scanning

Please note: Valid for firmware before V 6.08.

The number of variables which can be used to create file names while scanning in jobmode is limited.

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

Picture 84 shows a part of the list of variables. The arrows mark the variables which should not be used in jobmode.



Picture 84: Excluded wildcard characters

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

This limitation affects the settings in the following chapters:

E.4.7.3 FTP Server

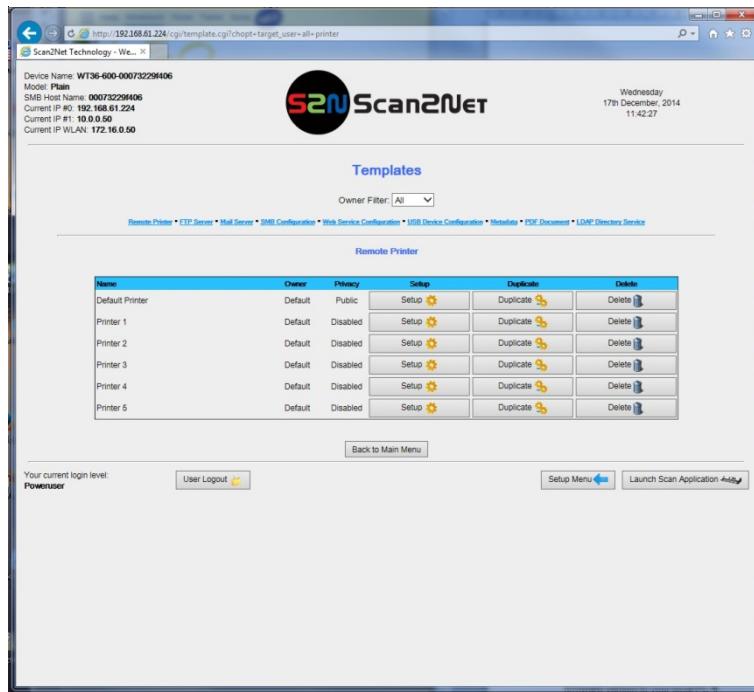
E.4.7.4 Mail Server

E.4.7.5 SMB Configuration

E.4.7.6 Web Service Configuration

E.4.7.7 USB Device Configuration

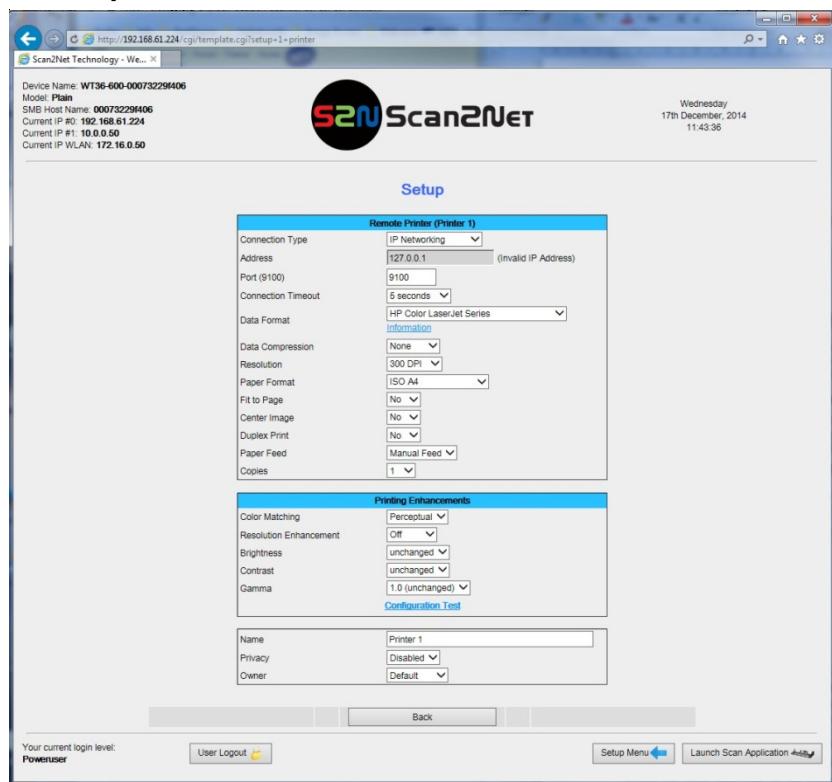
E.4.7.2 Remote Printer



Picture 85: Template list for remote printer

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

E.4.7.2.1 Setup



Picture 86: Remote printer parameters

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

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

Remote Printer, continued

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

Remote Printer, continued

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

Printing Enhancement

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

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

Accounting

Only available with Konica Minolta Bizhub Series

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

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

E.4.7.3 FTP Server

Name	Owner	Privacy	Setup	Duplicate	Delete
FTP	Default	Public	Setup	Duplicate	Delete
FTP 1	Default	Disabled	Setup	Duplicate	Delete
FTP 2	Default	Disabled	Setup	Duplicate	Delete
FTP 3	Default	Disabled	Setup	Duplicate	Delete
FTP 4	Default	Disabled	Setup	Duplicate	Delete
FTP 4	Default	Disabled	Setup	Duplicate	Delete

Picture 87: Template list for FTP Server

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

E.4.7.3.1 Setup

FTP Server (FTP 1)

Use a FTP Proxy? Yes
 FTP Proxy Address 127.0.0.1
 Port 21

Address 127.0.0.1
 Port (21) 21
 Server Authentication
 Login
 Password
 Upload Path
 File Name scan_%Q_%Y-%m-%d_%H-%M-%S%P.%E

Name FTP 1
 Privacy
 Owner

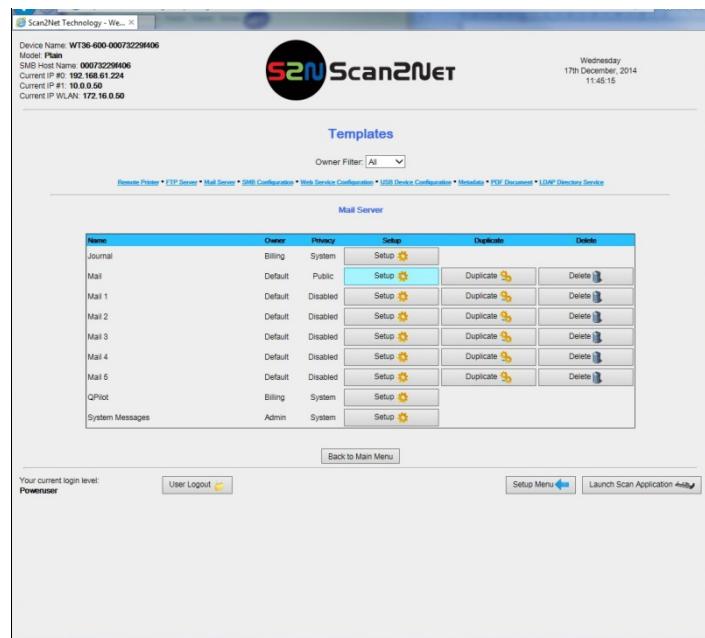
Picture 88: FTP Server parameters

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

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

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

E.4.7.4 Mail Server



The screenshot shows the Scan2Net Technology software interface with the following details:

- Header:** Device Name: WT36-600-00073229406, Model: Plain, SMB Host Name: 00073229406, Current IP #0: 192.168.61.224, Current IP #1: 10.0.0.50, Current IP WLAN: 172.16.0.50.
- Title Bar:** Scan2Net Technology - Web...
- Logo:** Scan2Net logo.
- Date/Time:** Wednesday, 17th December, 2014, 11:45:15.
- Section:** Templates
- Table:** A grid of templates with columns: Name, Owner, Privacy, Setup, Duplicate, Delete. The rows include:

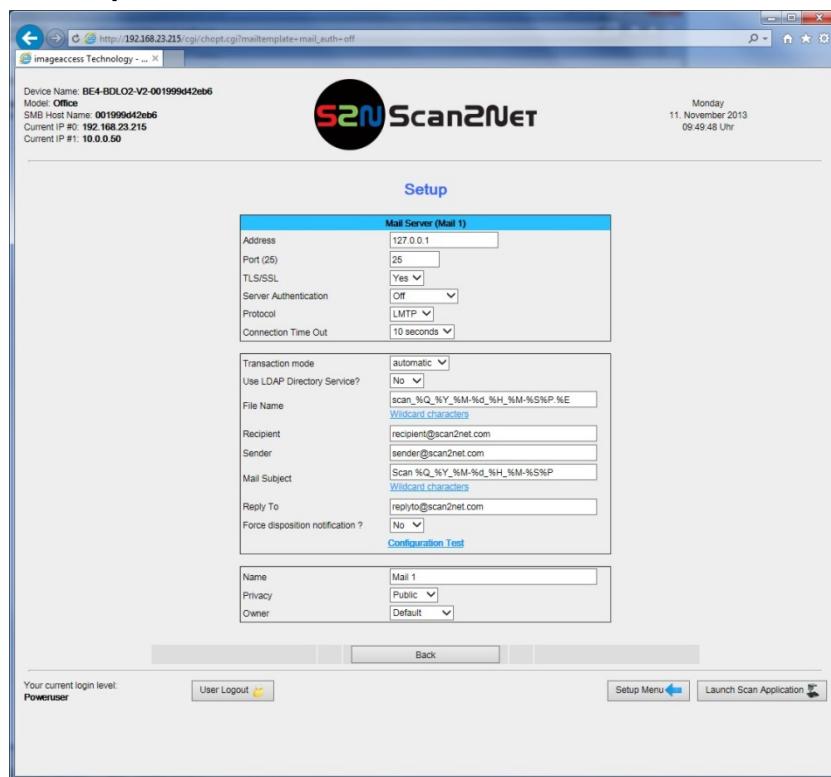
Name	Owner	Privacy	Setup	Duplicate	Delete
Journal	Billing	System	Setup	Duplicate	Delete
Mail	Default	Public	Setup	Duplicate	Delete
Mail 1	Default	Disabled	Setup	Duplicate	Delete
Mail 2	Default	Disabled	Setup	Duplicate	Delete
Mail 3	Default	Disabled	Setup	Duplicate	Delete
Mail 4	Default	Disabled	Setup	Duplicate	Delete
Mail 5	Default	Disabled	Setup	Duplicate	Delete
QPrint	Billing	System	Setup	Duplicate	Delete
System Messages	Admin	System	Setup		
- Buttons:** Back to Main Menu, User Logout, Setup Menu, Launch Scan Application.

Picture 89: Template list for Mail Server

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

E.4.7.4.1

Setup



Picture 90: Mail Server parameters

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

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

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

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

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

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

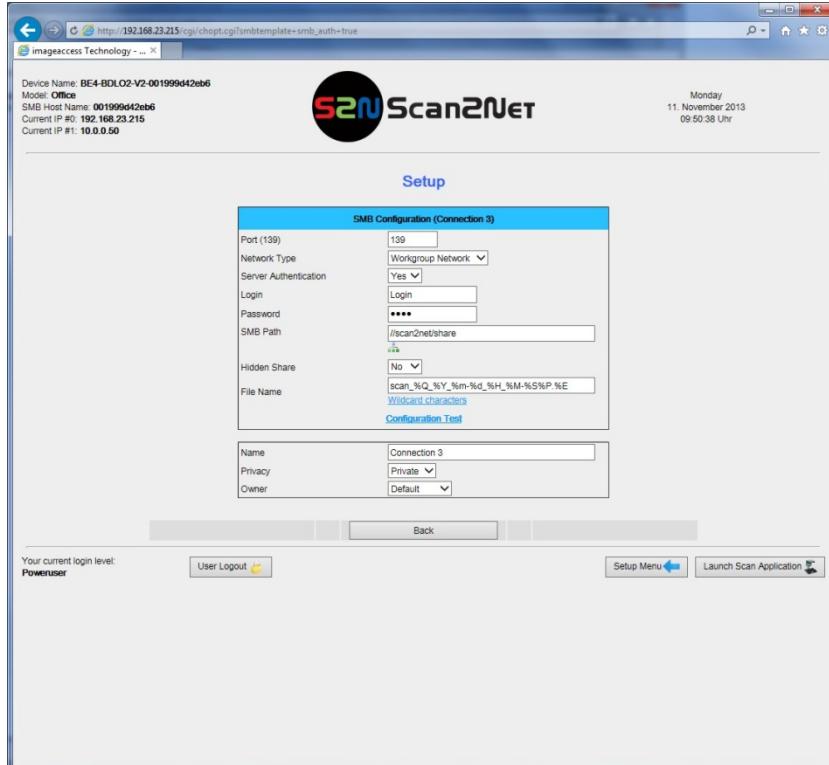
E.4.7.5 SMB Configuration



Picture 91: Template list for SMB Configuration

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

E.4.7.5.1 Setup



Picture 92: SMB Configuration parameters

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

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

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

E.4.7.6 Web Service Configuration

This option allows the user to store its files and images in the so called “Cloud”.

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

Access to the remote systems is realized by using the internet.



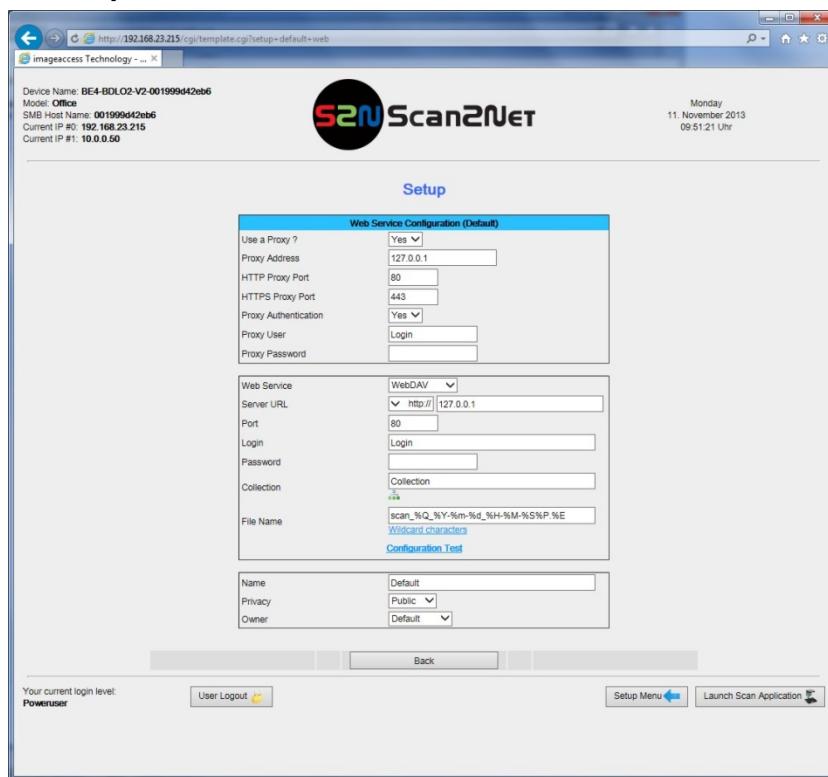
The screenshot shows a web-based management interface for Scan2Net devices. At the top, there's a header bar with device information: Device Name: WT36-600-00073229406, Model: Plain, SMB Host Name: 00073229406, Current IP #0: 192.168.1.224, Current IP #1: 192.168.1.59, and Current IP WLAN: 172.16.0.50. To the right, it shows the date and time: Wednesday, 17th December, 2014, 11:45:53. The main content area is titled "Templates". It features a table with columns: Name, Owner, Privacy, Setup, Duplicate, and Delete. The table lists several entries:

Name	Owner	Privacy	Setup	Duplicate	Delete
Default	Default	Public	Setup	Duplicate	Delete
Emos Pharas	Billing	System	Setup		
Journal	Billing	System	Setup		
Root Certs Update	Admin	System	Setup		
Web 1	Default	Disabled	Setup	Duplicate	Delete
Web 2	Default	Disabled	Setup	Duplicate	Delete
Web 3	Default	Disabled	Setup	Duplicate	Delete
Web 4	Default	Disabled	Setup	Duplicate	Delete
Web 5	Default	Disabled	Setup	Duplicate	Delete
3G/TAP CCC	Billing	System	Setup		

At the bottom of the interface, there are buttons for "Back to Main Menu", "User Logout", "Setup Menu", and "Launch Scan Application".

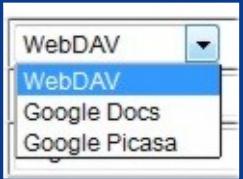
Picture 93: Template list for Web Service Configuration

E.4.7.6.1 Setup



Picture 94: Web Service parameters

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

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

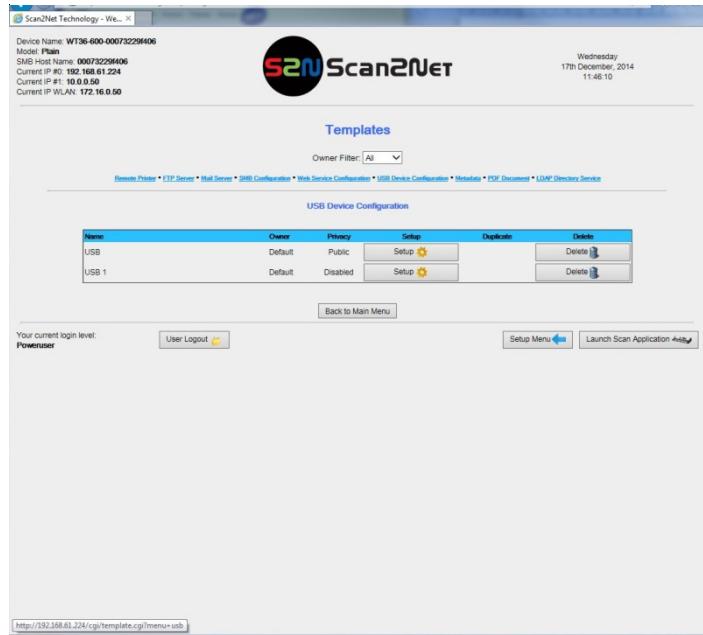
Parameter	Description
Collection (only with WebDAV)	Enter the name of the directory where the files should be stored.
Upload Mode (only with Google Docs)	Select the data format. Currently the file size for the data format "Document" and "File" is limited to 1 MB.  If "Document" is selected, a new document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

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

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

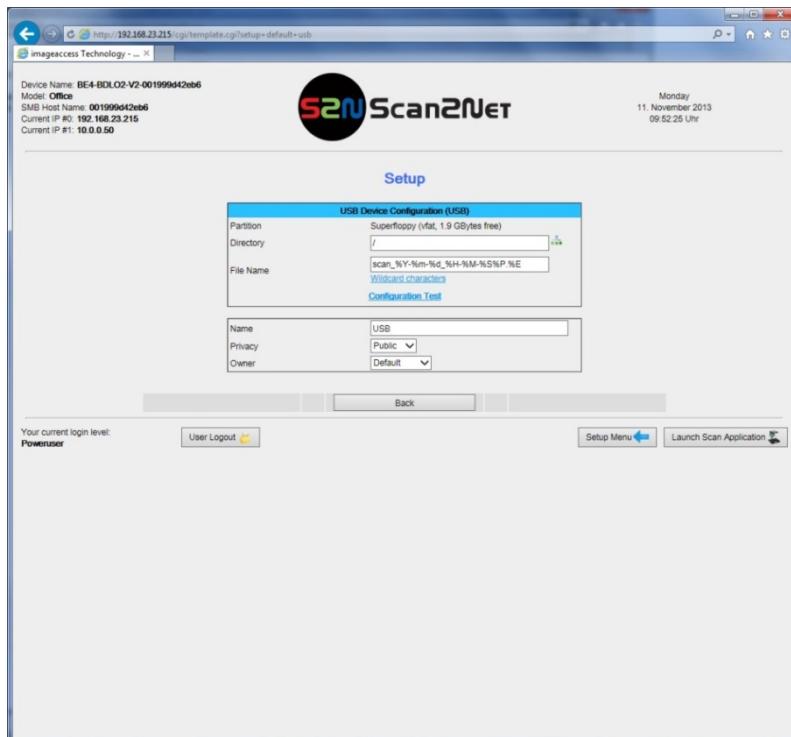
E.4.7.7 USB Device Configuration

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



Picture 95: Template list for USB Device

E.4.7.7.1 Setup



Picture 96: USB Device parameters

Note: An USB device must be connected to one of the USB connector at the front side of the scanner to get list displayed in Picture 96.

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

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

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

E.4.7.7.2 List of suitable USB storage media

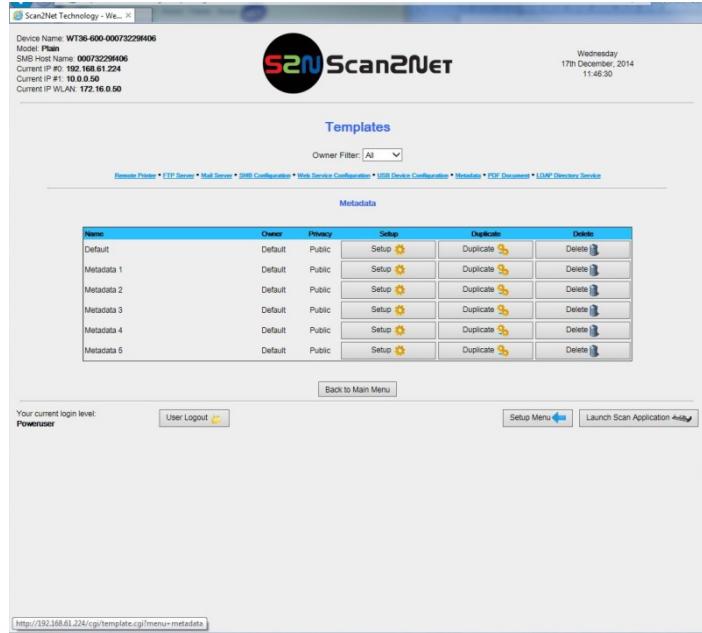
The criteria in the following list have been defined as a guide line for the storage media that can be connected to the USB connectors.

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

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

E.4.7.8 Metadata

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



The screenshot shows the Scan2Net web interface with the following details:

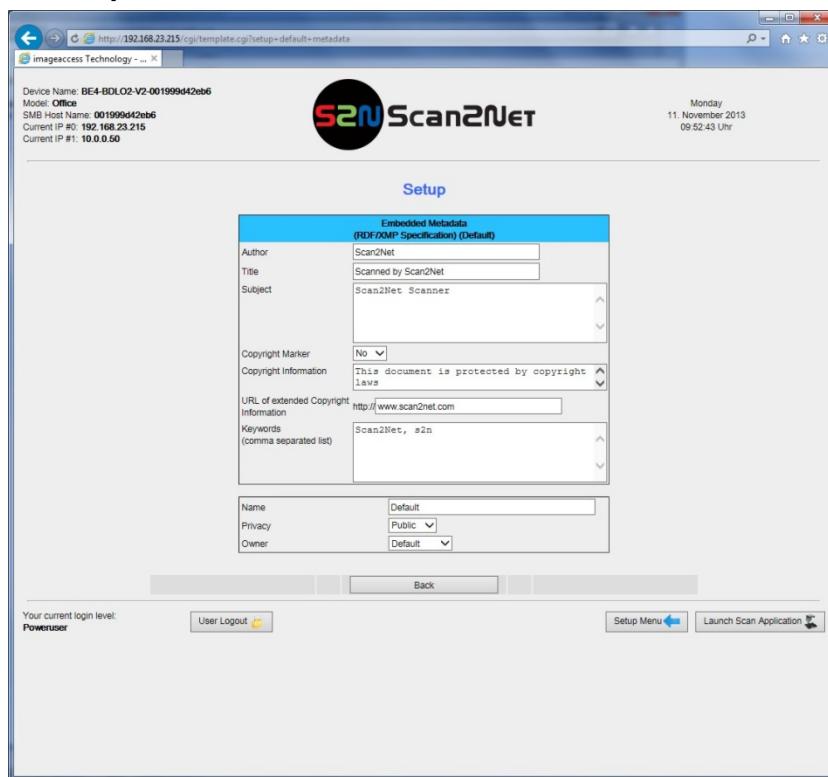
- Header:** Device Name: WT36-600-00073229406, Model: Plan, SMB Host Name: 00073229406, Current IP #: 192.168.61.224, Current IP #: 10.0.5.50, Current IP WLAN: 172.16.0.50.
- Top Bar:** Wednesday, 17th December, 2014, 11:46:30.
- Logo:** Scan2Net logo.
- Navigation:** Home Page, FTP Server, Mail Server, SNMP Configuration, Web Service Configuration, USB Device Configuration, Metadata, PDF Document, LAMP Directory Service.
- Section:** Templates > Metadata.
- Table:** A list of metadata templates with columns: Name, Owner, Privacy, Setup, Duplicate, and Delete. The entries are:

Name	Owner	Privacy	Setup	Duplicate	Delete
Default	Default	Public			
Metadata 1	Default	Public			
Metadata 2	Default	Public			
Metadata 3	Default	Public			
Metadata 4	Default	Public			
Metadata 5	Default	Public			

- Buttons:** Back to Main Menu, User Logout, Setup Menu, Launch Scan Application.
- Address Bar:** http://192.168.61.224/cgi/template.cgi?menu=metadata

Picture 97: Template list for Metadata

E.4.7.8.1 Setup



Picture 98: Metadata parameters

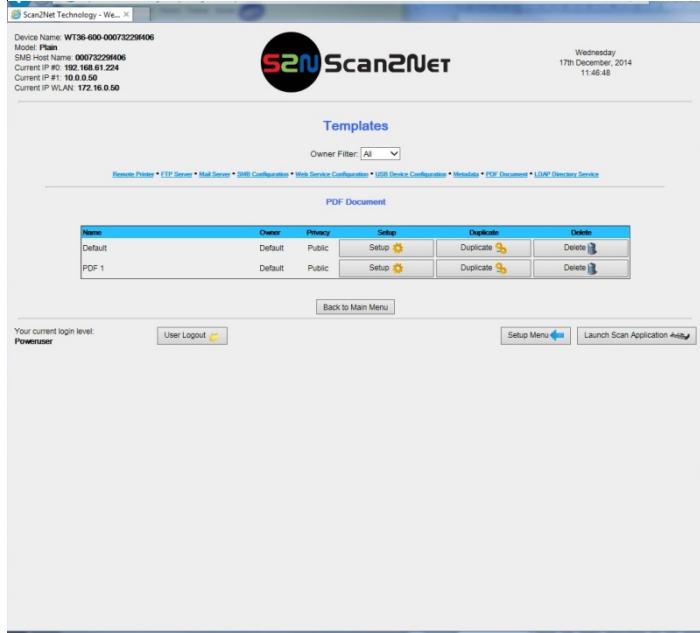
Parameter	Description
Author	The name or organization creating the document or the copyright owner of the document.
Title	A short title for the scanned document.
Subject	Abstract of the document.
Copyright Marker	Select if the scanned document is copyright protected.
Copyright Information	The copyright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

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

E.4.7.9 PDF Document

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

PDF documents can be displayed with all common PDF viewers.



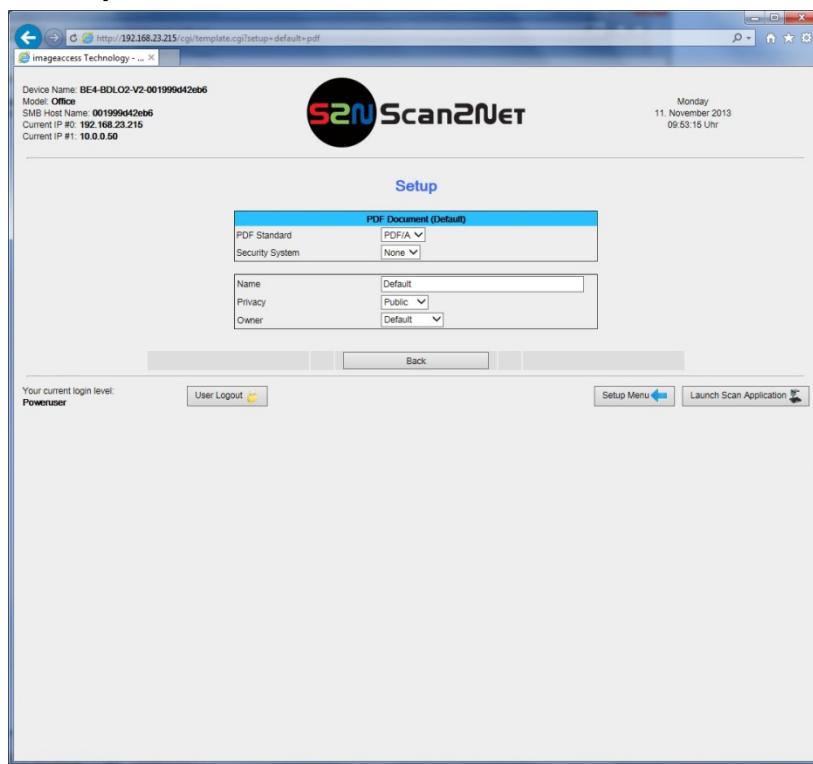
The screenshot shows the Scan2Net web interface for managing PDF documents. At the top, device information is displayed: Device Name - WTB6-600-00073229H406, Model: Plain, SMB Host Name: 192.168.1.224, Current IP #: 192.168.0.50, and Current IP WLAN: 172.16.0.50. The date and time are Wednesday, 17th December, 2014, 11:46:48. The main menu includes Remote Printer, FTP Server, Mail Server, SNMP Configuration, Web Service Configuration, USB Device Configuration, Metrics, PDF Document, and LDAP Directory Service. Below the menu, the "PDF Document" section is titled "Templates". A table lists two entries:

Name	Owner	Privacy	Setup	Duplicate	Delete
Default	Default	Public	Setup	Duplicate	Delete
PDF 1	Default	Public	Setup	Duplicate	Delete

At the bottom of the page are links for Back to Main Menu, User Logout, Setup Menu, and Launch Scan Application.

Picture 99: Template list for PDF document

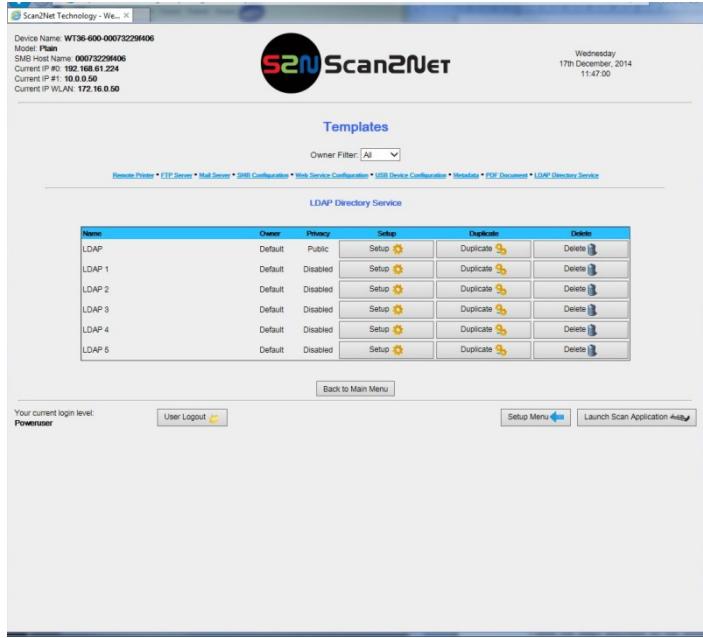
E.4.7.9.1 Setup



Picture 100: PDF Document parameters

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

E.4.7.10 LDAP Directory Service



The screenshot shows the Scan2Net web interface for managing LDAP services. At the top, there's a header with device information: Device Name: WT36-600-00073229406, Model: P400, SMB Host Name: 00073229406, Current IP #: 192.168.61.224, Current IP #1: 10.0.0.50, and Current IP WLAN: 172.16.0.50. The date is Wednesday, 17th December, 2014, at 11:47:00.

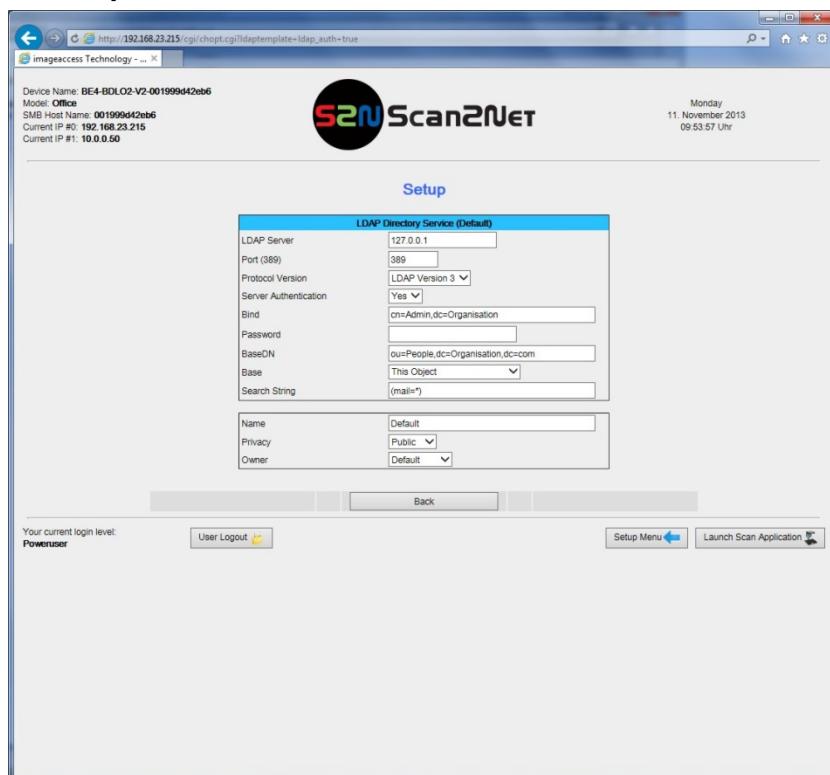
The main content area is titled "Templates" and shows a list of LDAP entries:

Name	Owner	Privacy	Setup	Duplicate	Delete
LDAP	Default	Public			
LDAP 1	Default	Disabled			
LDAP 2	Default	Disabled			
LDAP 3	Default	Disabled			
LDAP 4	Default	Disabled			
LDAP 5	Default	Disabled			

At the bottom of the interface, there are buttons for "Back to Main Menu", "User Logout", "Setup Menu", and "Launch Scan Application".

Picture 101: LDAP Directory Service templates

E.4.7.10.1 Setup



Picture 102: LDAP Directory parameters

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

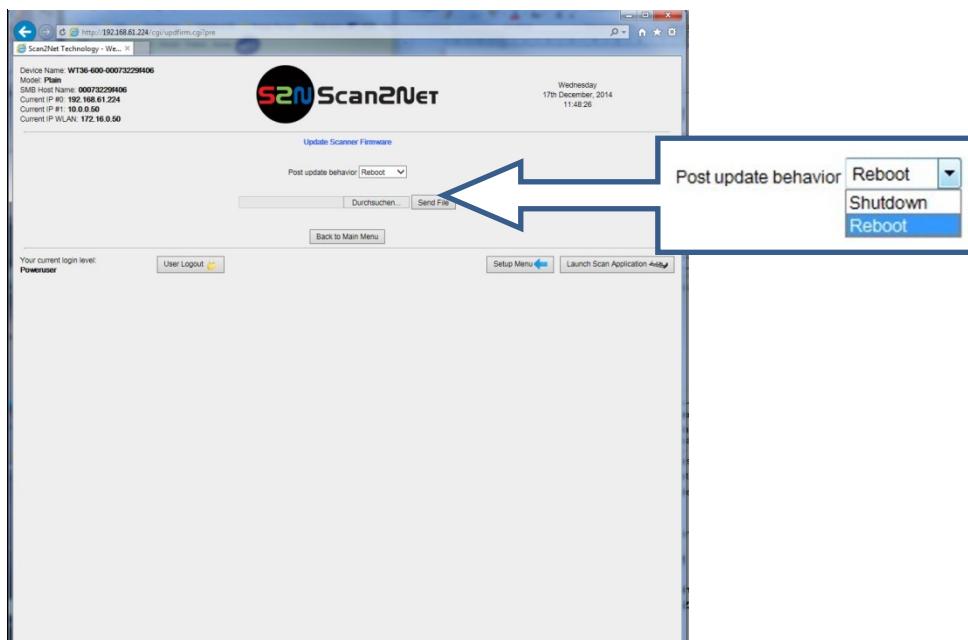
Please note: Each change to an entry field is transferred to the scanner immediately.

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 103: 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 103) 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** and **Printer Profiles**.

ICC profiles are integrated in the image file data.

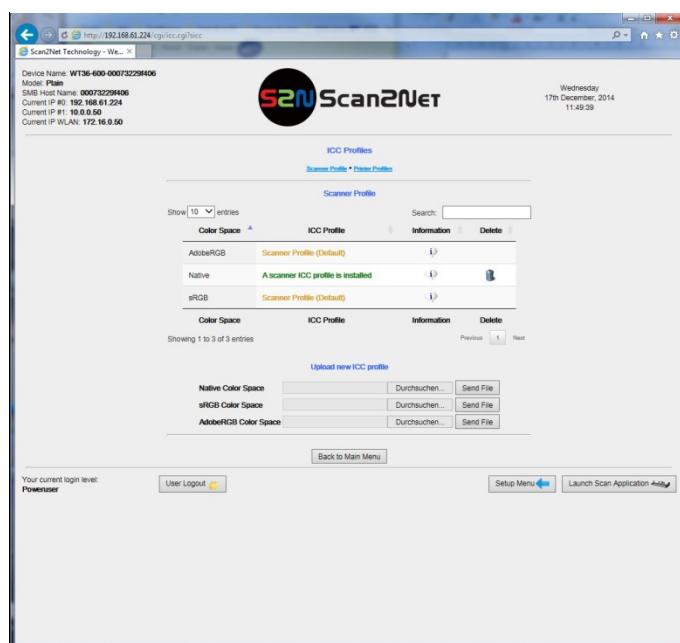
First of all, download the respective ICC profile for the device to your local PC.

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.

Already installed profiles will be displayed in a list.



Picture 104: 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.

ICC profiles for three color spaces can be uploaded to the scanner.

Click the **Search** button to find an ICC profile for the respective color space.



Picture 105: Available color spaces



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



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

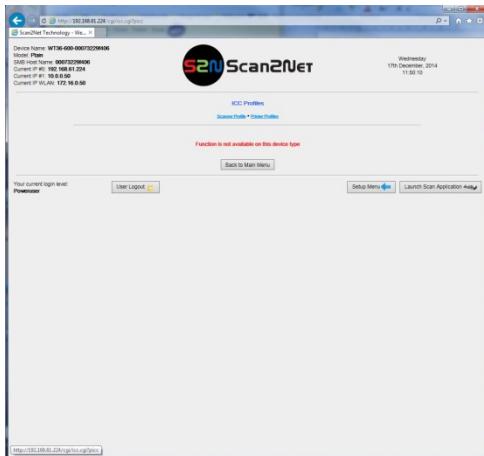
Information	
Information (Scanner Profile)	
Size	48124 bytes
Color Management Module	argl
Version	2.2.0
Device Class	Input
Color Space	RGB
Profile Connection Space (PCS)	XYZ
Date & Time	22 Nov 2010, 11:32:34
Platform	Unrecognized - "nix"
Flags	Not Embedded Profile, Use anywhere
Manufacturer	customized
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 106: ICC Profile information

E.5.2.2 Printer Profiles

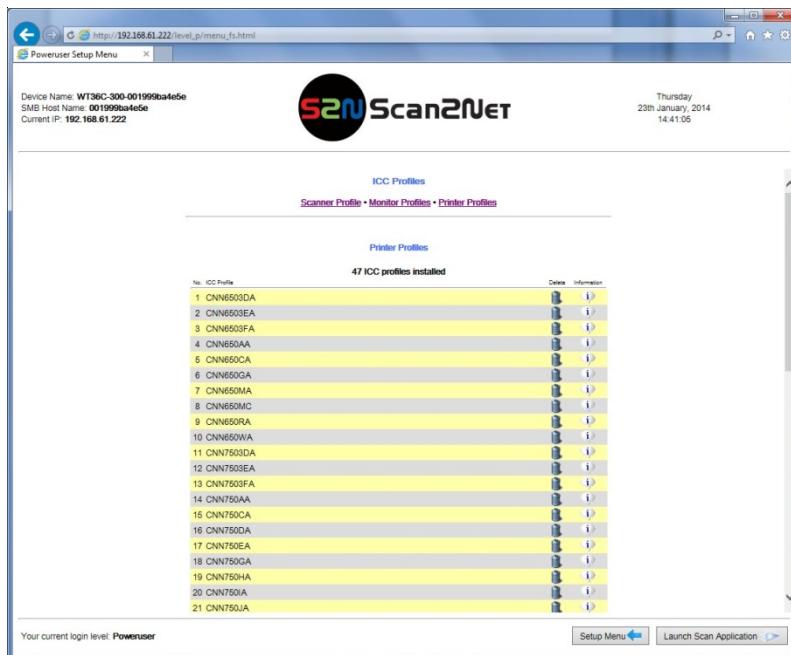
This function is temporarily not available. The screen shows the following message.



Picture 107: Printer profile status message

If this function is available, 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 108: 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](#)

Picture 109: ICC profile information

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.

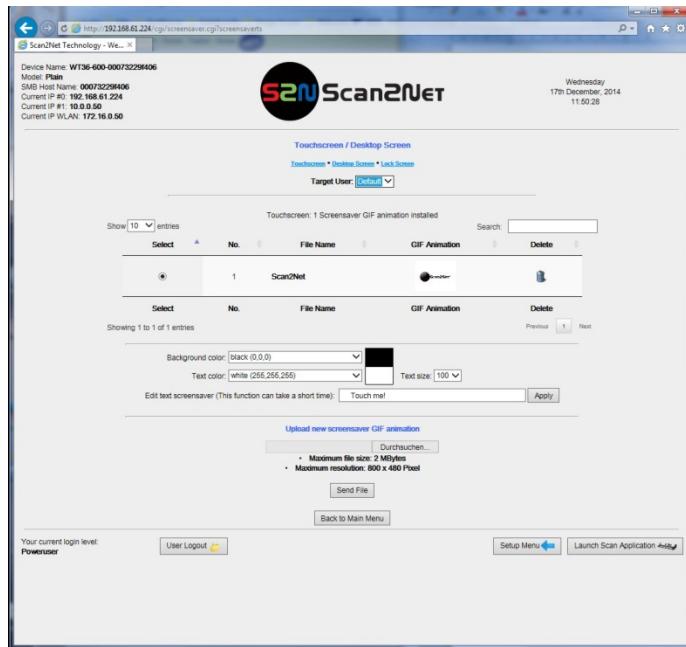
Select the desired ICC profile from the list.

E.5.3 Touchscreen / Desktop

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

E.5.3.1 Touchscreen

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



Picture 110: 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.

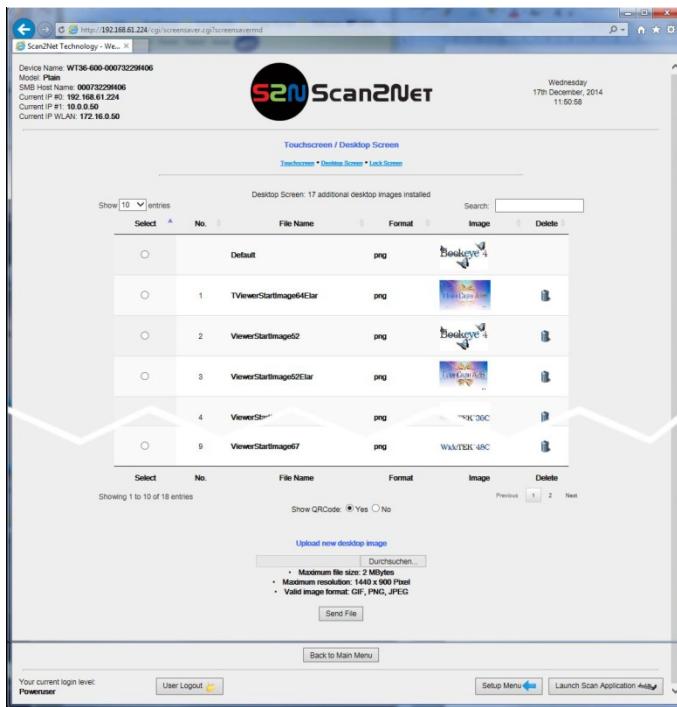
Click on **Send File** to transfer the selected file to the scanner.

A message signalizes the end of the upload sequence.

To activate the changes, restart the scanner.

E.5.3.2 Desktop Screen

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



Picture 111: Desktop screensaver list

The installed desktop images are listed on the screen.



Upload new desktop image

Send File

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 here 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.



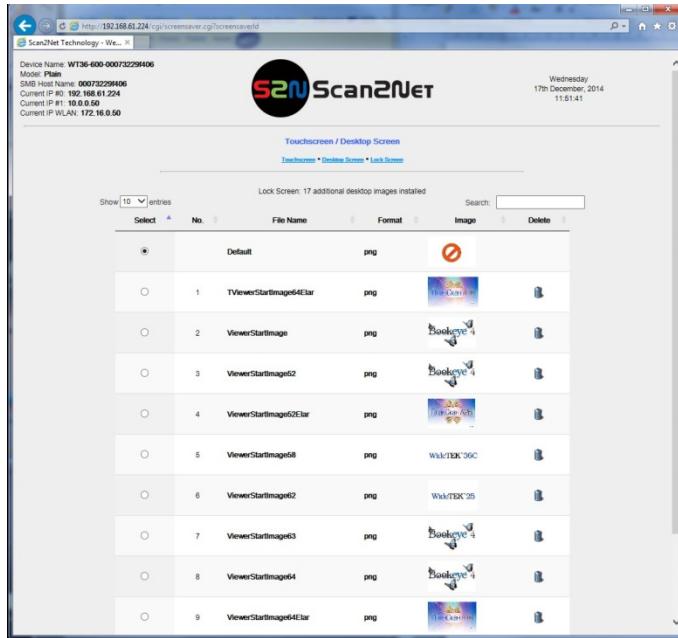
Picture 112: Preview of desktop image

Click on **Back to Main Menu** to return to the previous screen.

Restart the scanner to activate the changes.

E.5.3.3 Lock Screen

This section allows the operator to select images for lock screen. The lock screen is displayed when the scanner is in stand-by mode.



Picture 113: Lock screen screensaver list

Click in the column **Select** to select the Lock Screen image.



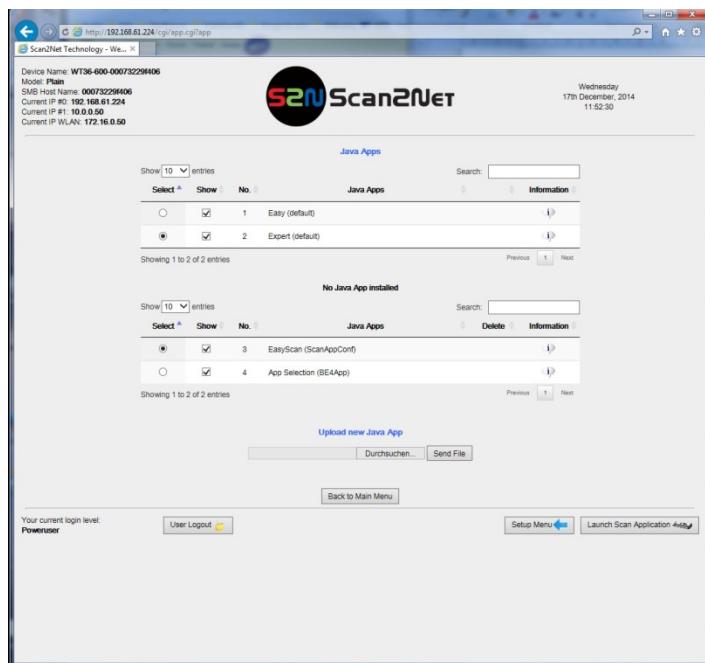
To delete a desktop image, click on the “Delete” symbol at the right side of the line.

Click on **Back to Main Menu** to return to the previous screen.

Restart the scanner to activate the changes.

E.5.4 Java Apps

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



Picture 114: 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.



Apps, installed as default, cannot be deleted. The “Delete” symbol is not displayed.

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	<pre>Manifest-Version: 1.2 Implementation-Vendor: "Image Access GmbH" Implementation-Title: "ES4" Implementation-Version: "build12" Specification-Vendor: "Image Access GmbH" Name: EasyScanApplication Specification-Title: "EasyScan" Specification-Version: "1.2" Main-Class: EasyScanApp</pre>

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.

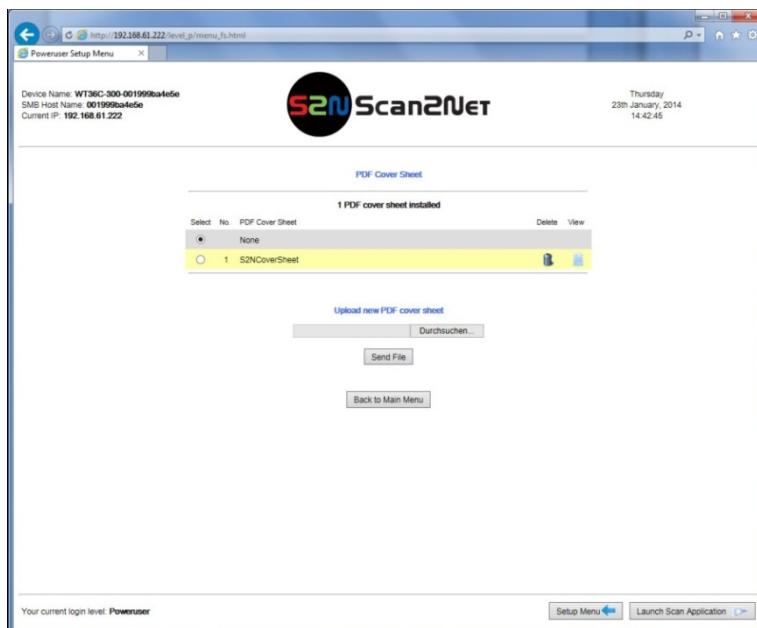
E.5.5 PDF Cover Sheet

This function is temporarily not available. The screen shows the following message.



Picture 115: Status message

If this function is available, this section is used to configure the automatic addition of a PDF cover sheet to each multipage PDF created through the scan process.



Picture 116: 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

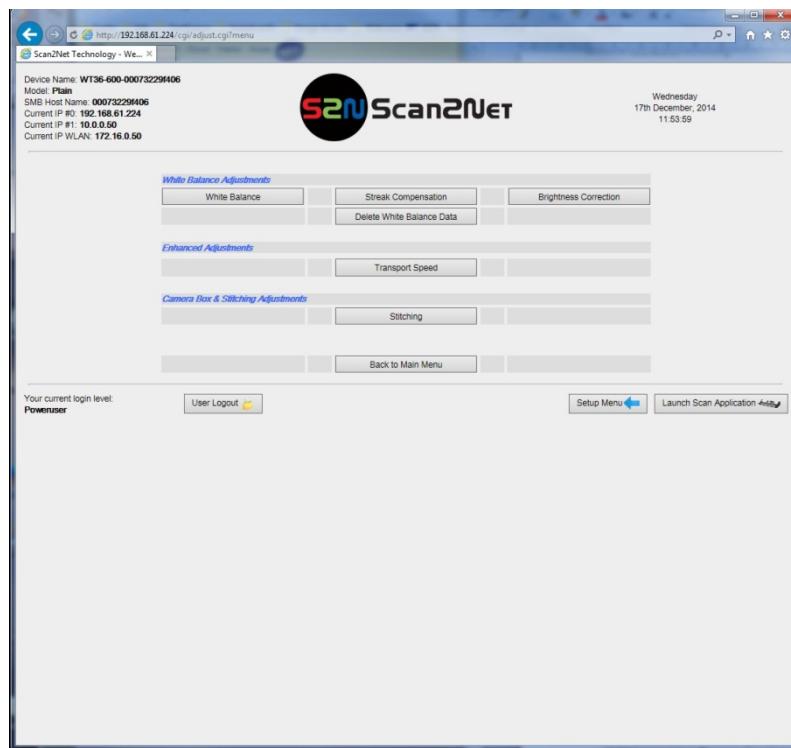
Click on the **Search** button to search the directories of your local PC and/or your network for a Java Application file.

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 117: Adjustment main screen

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

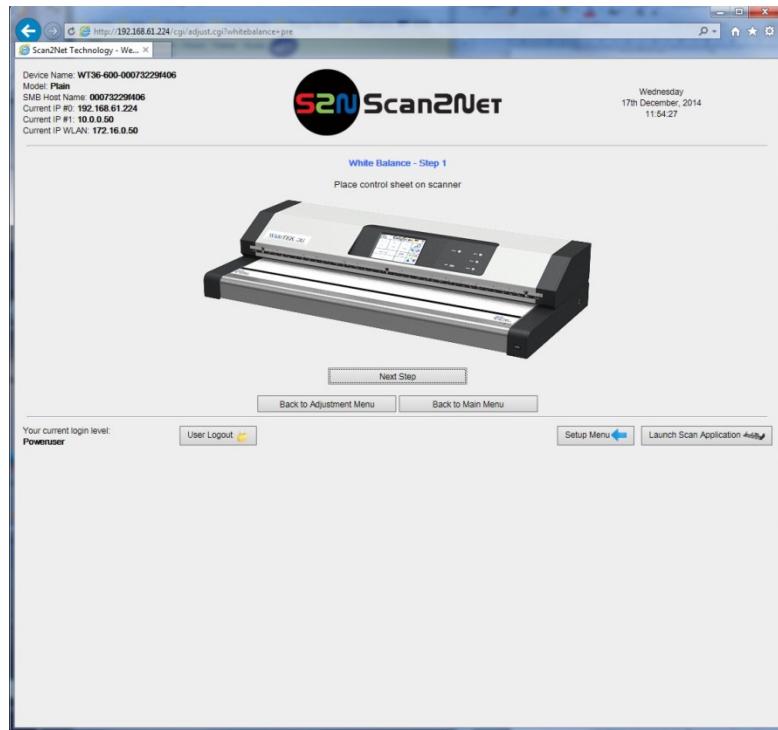
The **Enhanced Adjustments** allows fine tuning the transport speed.

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 118: White Reference Target on document table

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

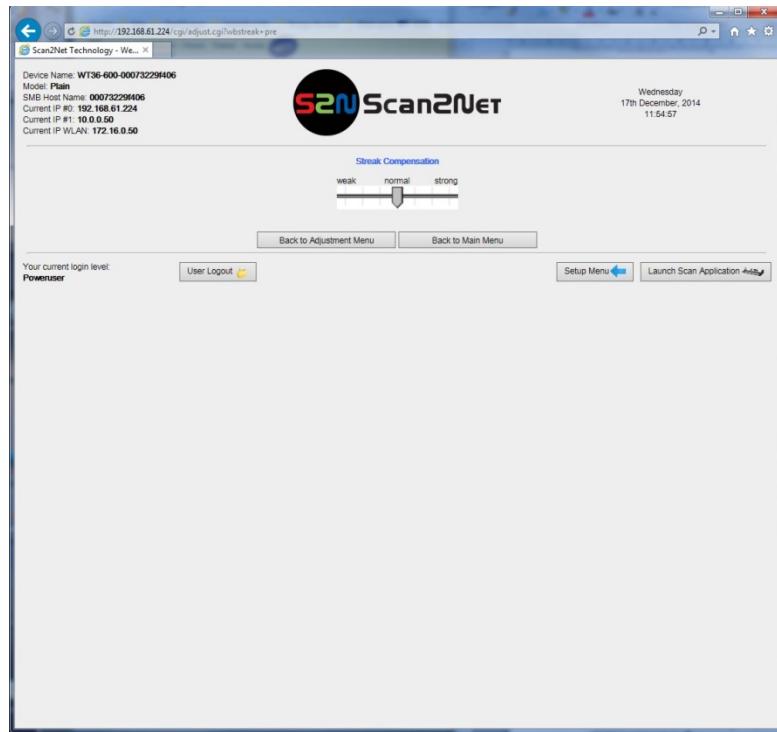
Click on **Next Step** to start the White Balance Adjustment sequence.

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 Streak Compensation

Streak Compensation allows modifying the sensitivity of the camera for correction of errors in the image in transport direction.



Picture 119: Streak Compensation

Click with the mouse at the desired position between **weak** and **strong**.

It is recommended to use the default setting **Normal**.

Modify the setting in small steps, rescan and check the result.

Selecting **strong** can result in reduced quality images.

E.6.1.3 Delete White Balance Data

The white balance data, measured with the white balance function, will be deleted.

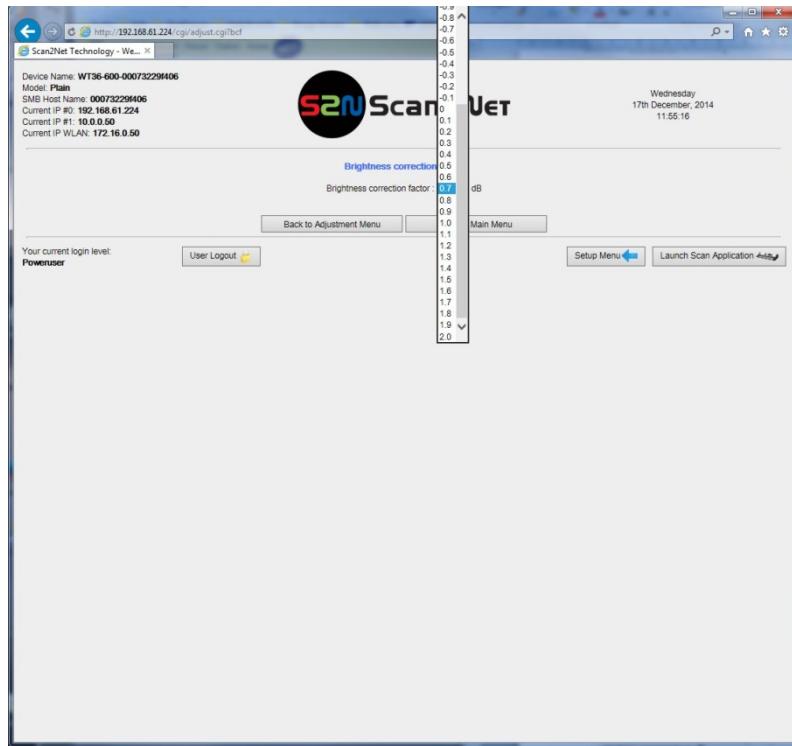
The screen shows an information.

Click at **Delete White Balance Data** to execute the deletion.

E.6.1.4 Brightness Correction

The brightness correction function does not perform any measurements; it only allows setting a correction factor for the brightness.

The interval of the correction factor is ± 2 dB.



Picture 120: Brightness Correction factor list

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

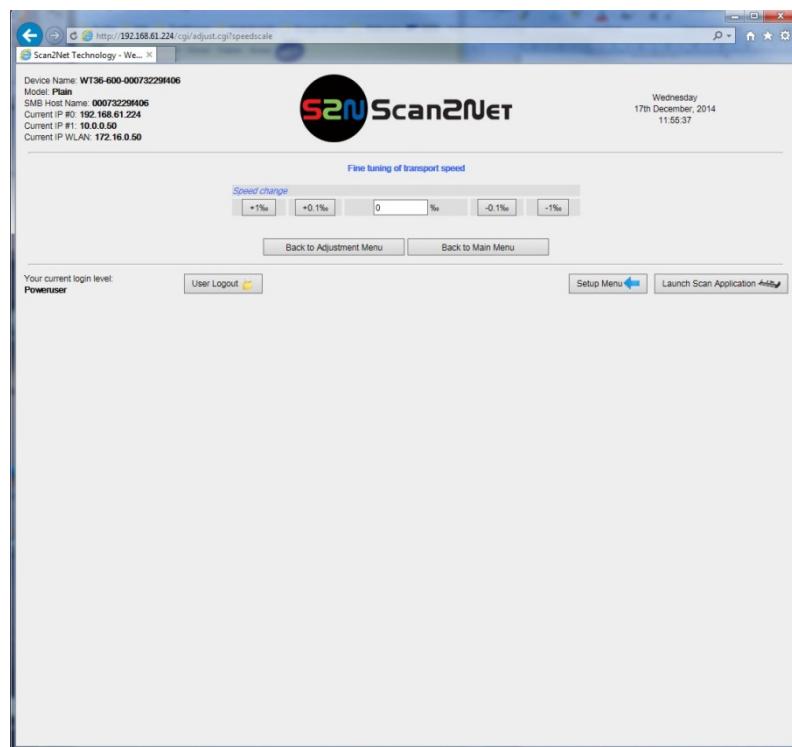
The correction factor will be effective immediately.

E.6.1.5 Transport Speed

This function allows to increase or to decrease the speed in steps of $\pm 1\%$ and $\pm 0.1\%$.

Click with the mouse at the button to modify the speed.

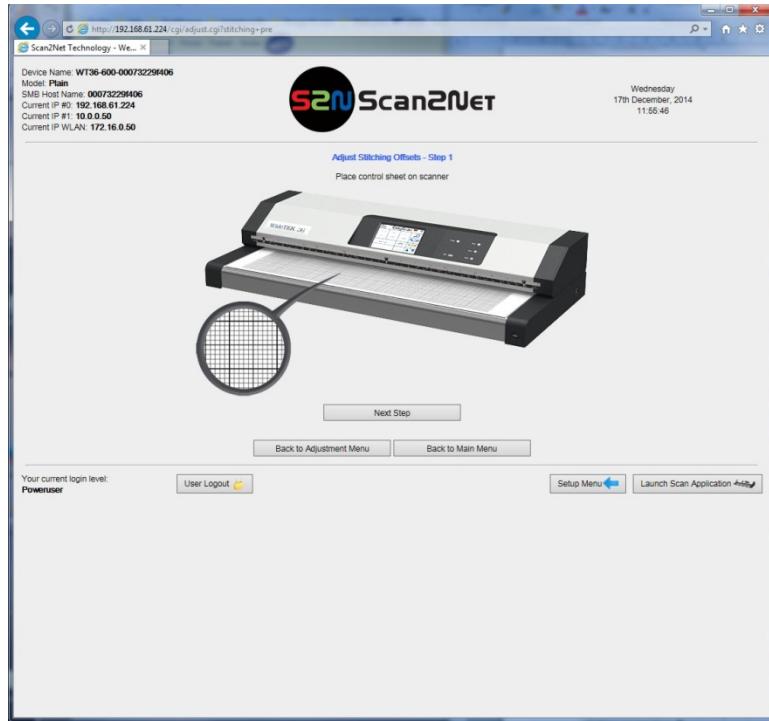
The current value is displayed between the buttons.



Picture 121: Transport speed fine tuning

E.6.1.6 Stitching

The Stitching Target WT36C-Z-02-A is the recommended test document for the stitching function. Alternatively millimeter paper sheets, size at least ISO A3, can be used.



Picture 122: Stitching start screen

Place the stitching target as shown at the screen at the document table.

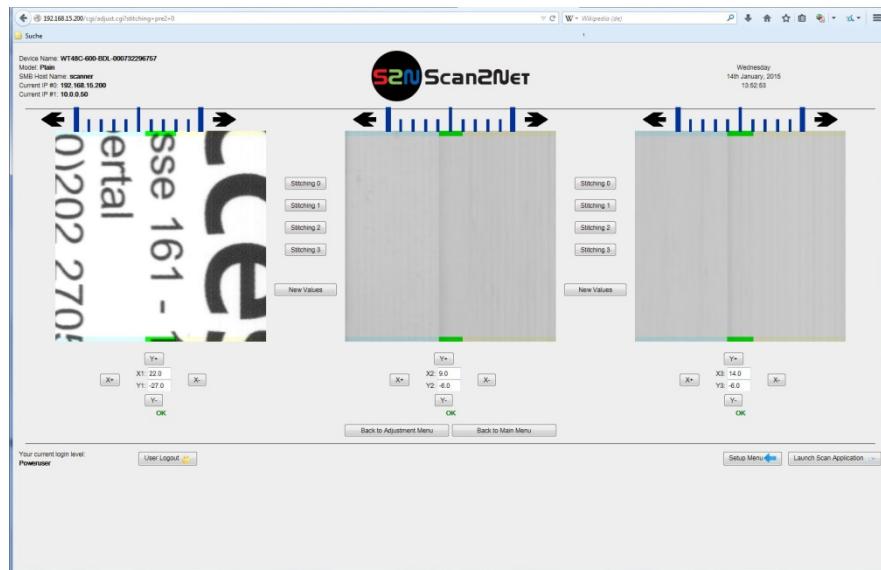
Click on **Next Step** to start the stitching measurement sequence.

The scanner transports the stitching target until it reaches the output sensors.

After the measurement the screen shows two cutouts (WT 36) / three cutouts (WT48) of the scanned millimeter paper.



Picture 123: Display of cut outs (WT36)



Picture 124: Display of cut outs (WT48)

WideTEK® 36: The left cutout shows the stitching between the images of camera 1 and camera 2, the right cutout shows the stitching between the images of camera 2 and camera 3.

WideTEK® 44 / 48: The left cutout shows the stitching between the images of camera 1 and camera 2, the cutout in the middle shows the stitching between the images of camera 2 and camera 3, the right cutout shows the stitching between the images of camera 3 and camera 4.

With the buttons **Stitching 0** to **Stitching 3** cutouts at four different positions (in transport direction) can be displayed.

Use the buttons **Y+** and **Y-** below each cutout to shift the right part of the cutout against the left part of the image in vertical direction.

Use the buttons **X+** and **X-** below each cutout to shift the right part of the cutout against the left part of the image 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 minimum shifting in all displayed cutouts.

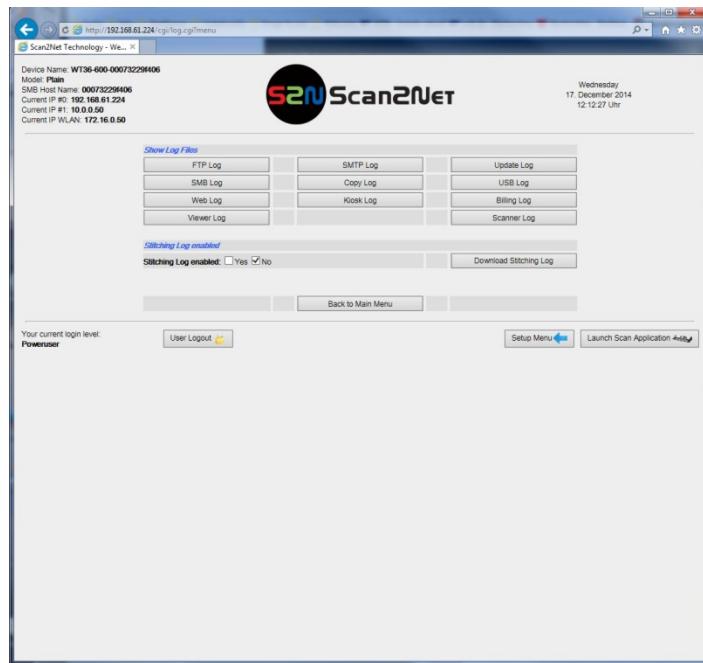
Below the **Y-** buttons a green **OK** signalizes that the stitching correction is set to matching parameters.

If the shifting in the cutouts 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 125: Log files overview, software version 6.x

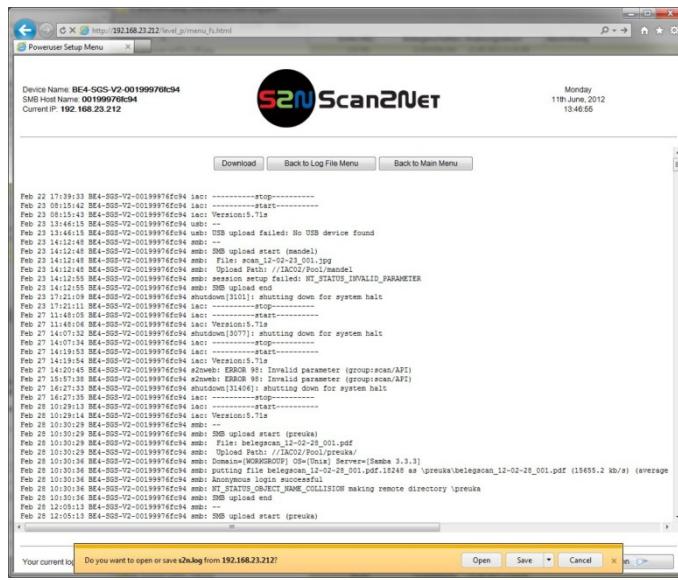
Log file	Content
FTP Log	FTP transfers will be logged with all transfer data.
SMTP Log	SMTP transfers will be logged with all transfer data.
Update Log	All firmware updates will be logged.
SMB Log	SMB transfers will be logged with all data.
Copy Log	The data transfer between scanner and printer will 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 126: 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.

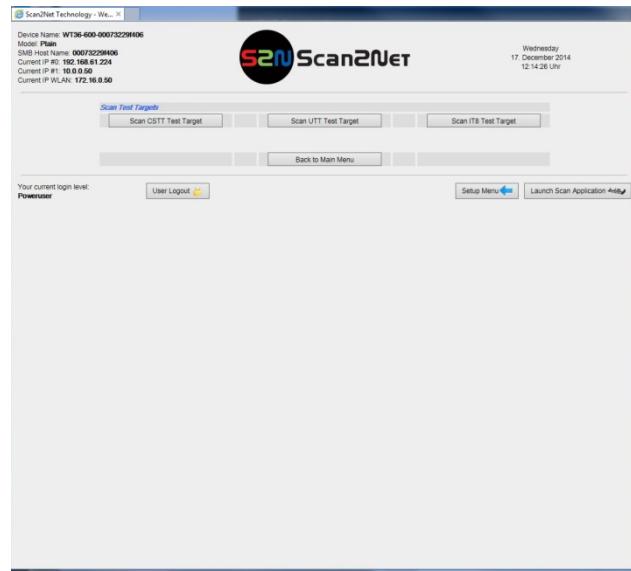
E.6.3 Scan Test Targets

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

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

E.6.3.1 Scan CSTT Test Target

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



Picture 127: Available test target

The next screen shows the position of the CSTT test target.



Picture 128: Example for test target position

Next Step starts the scan sequence.

The test sequence will take approximately 30 seconds.

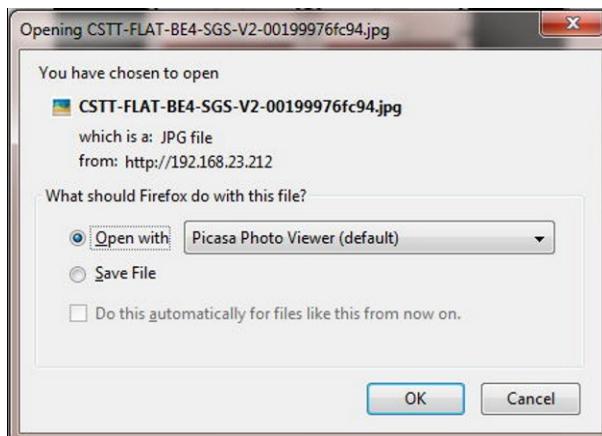
After scanning, the image will not be displayed.

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

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

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

Picture 129 shows as example the window of the Mozilla Firefox browser.



Picture 129: Request after scanning the test target

The file name contains some information about the test target and the scanner. The example is taken from a Bookeye® scanner.

CSTT-FLAT-BE4-SGS-V2-00199976fc94

CSTT: Test target name.

FLAT: Specifies the selected focus mode. Other focus modes available, depends on the scanner.

BE4-SGS-V2: Device type. Here Bookeye® 4, version SGS-V2.

00199976fc94: Serial number of the scanner.

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

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

E.6.3.2 Scan UTT Test Target

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

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



Picture 130: UTT test target on glass plate

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

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

E.6.3.3 Scan IT8 Test Target

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



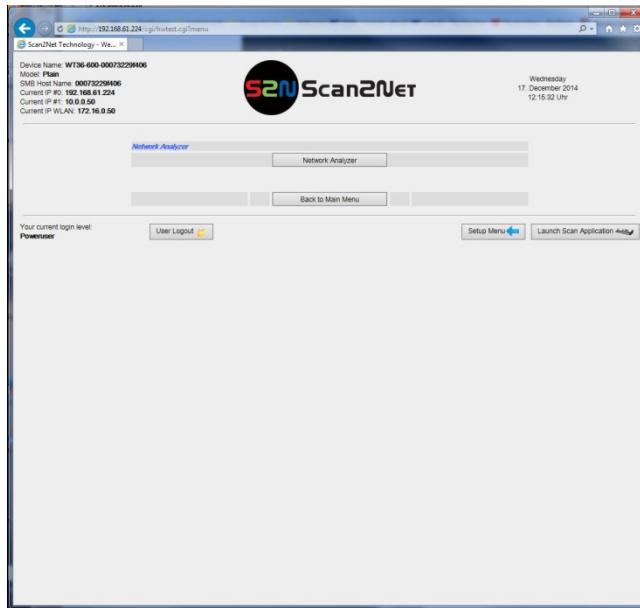
Picture 131: IT8 test target on glass plate

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

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

E.6.4 Hardware Test Suite

This menu item here is the network analyzer.



Picture 132: Hardware Test Suite start screen

E.6.4.1 Network Analyzer

This menu allows to test the network performance and to view the packet statistics.

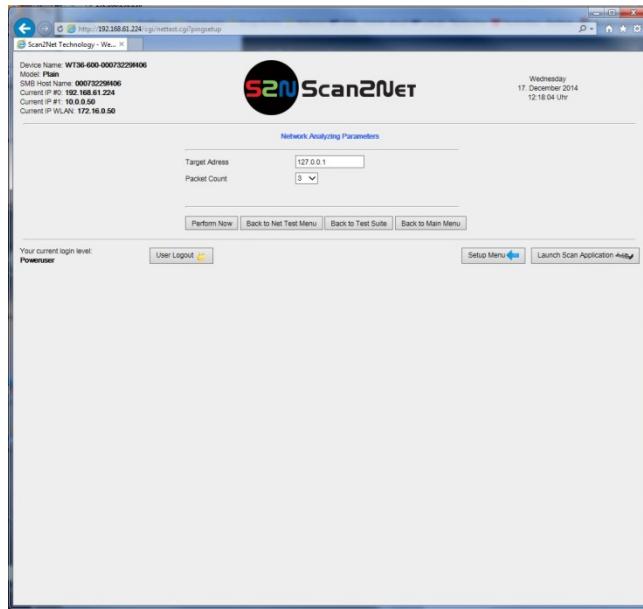


Picture 133: Network Analyzer menu items

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

E.6.4.1.1 Perform Speed Test

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



Picture 134: 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 Hardware Test Suite start screen (Picture 132)

Back to Main 'Menu' Returns to the **Poweruser** level main menu (Picture 47).

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



Picture 135: 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.6.4.1.2 Packet Statistics

Packet Statistics Shows the current network packet statistics.



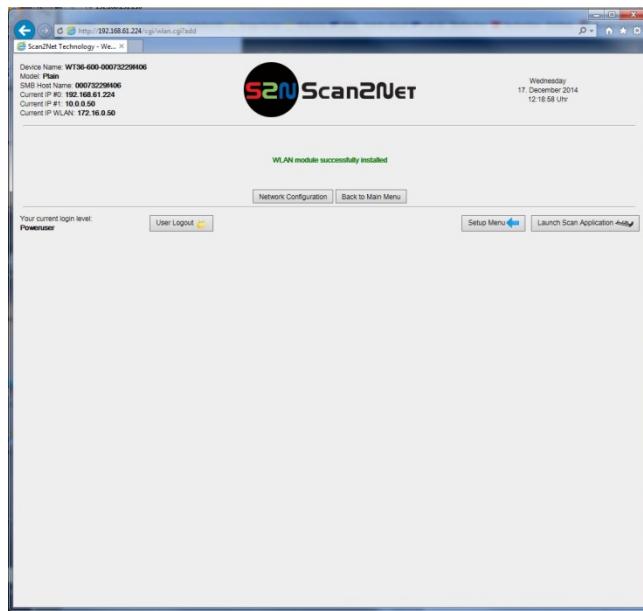
Picture 136: Packet Statistics values

E.7 Additional Hardware

E.7.1 Wireless LAN

Use this function after installing a WLAN module to the scanner or when the installed WLAN module has been replaced.

Click at **Wireless LAN**. The module will be initialized. The screen shows a message.



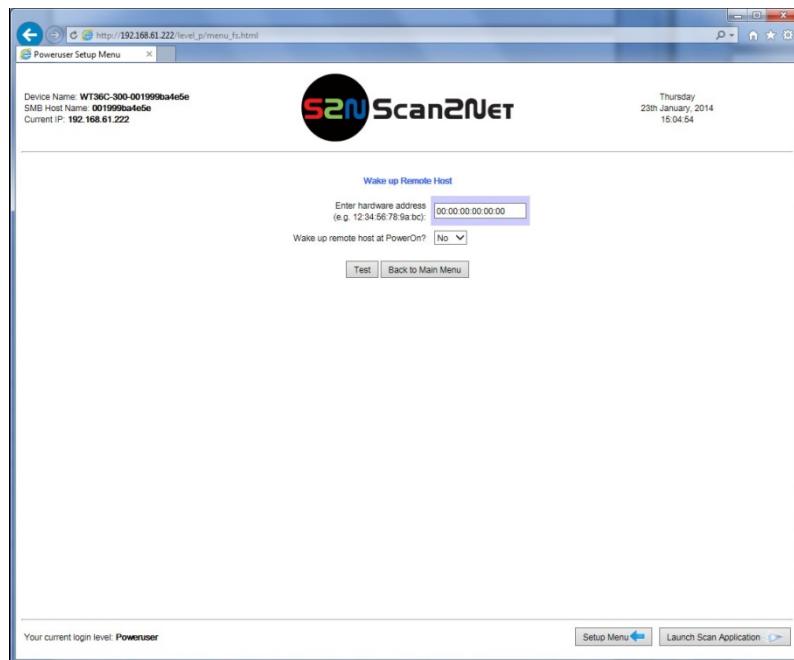
Picture 137: WLAN module successful installed

E.8 Administrative Settings

E.8.1 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 138: 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.

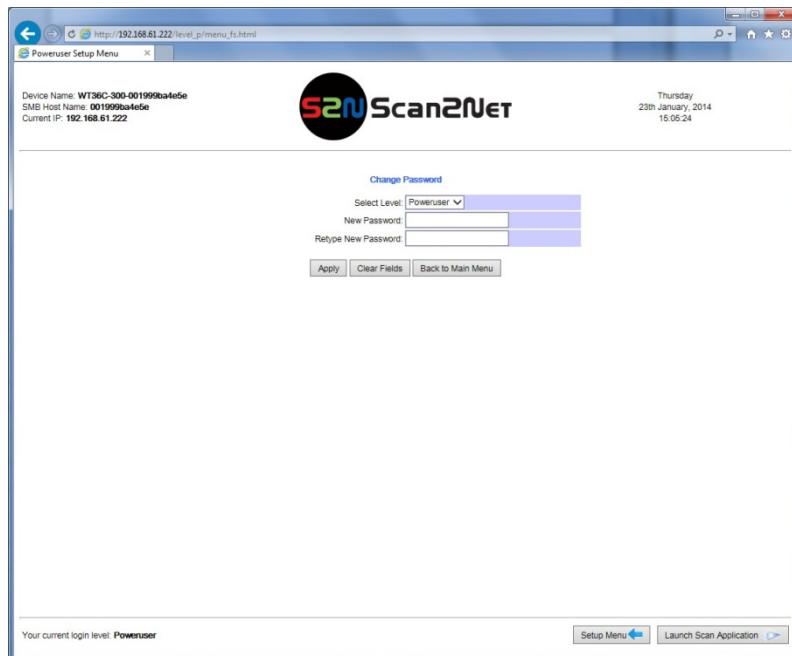
Enter hardware address Enter the MAC address of the network card of the PC here.

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

E.8.2 Change Password

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

Click on **Change Password**.



Picture 139: 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.

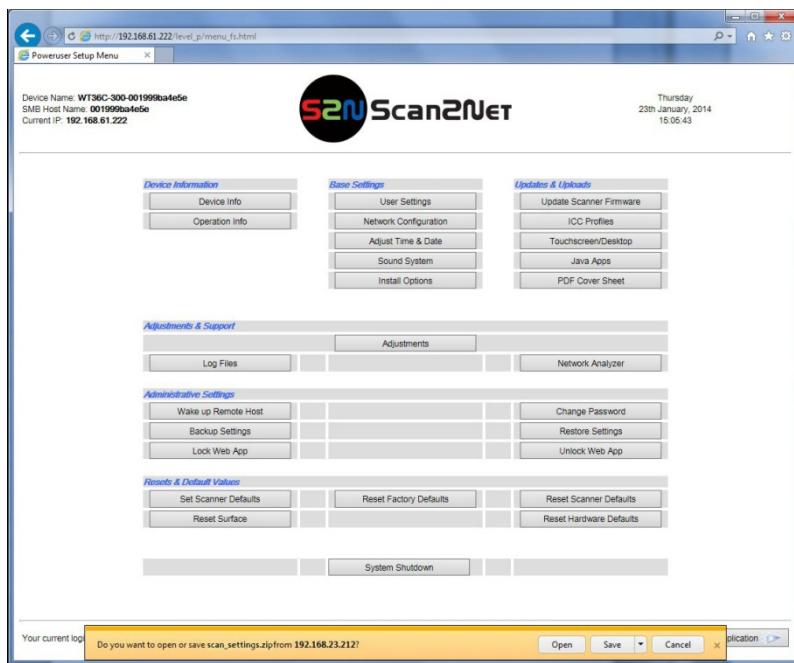
The screen returns to the start screen of the **Poweruser** level.

E.8.3 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 140 shows the small window at the bottom when using the “Internet Explorer 9”.



Picture 140: 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.9.2).

E.8.4 Restore Settings

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

Click on **Restore Settings**

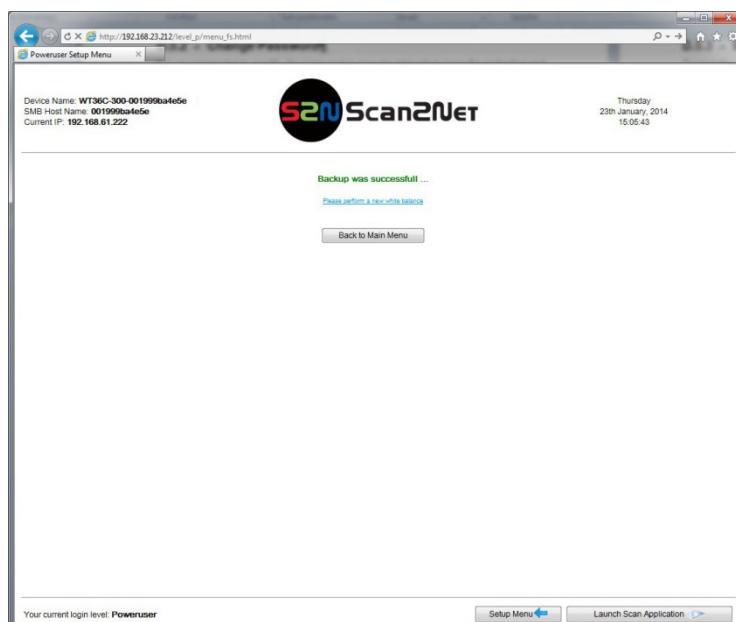


Picture 141: Restore setting from ZIP file

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.

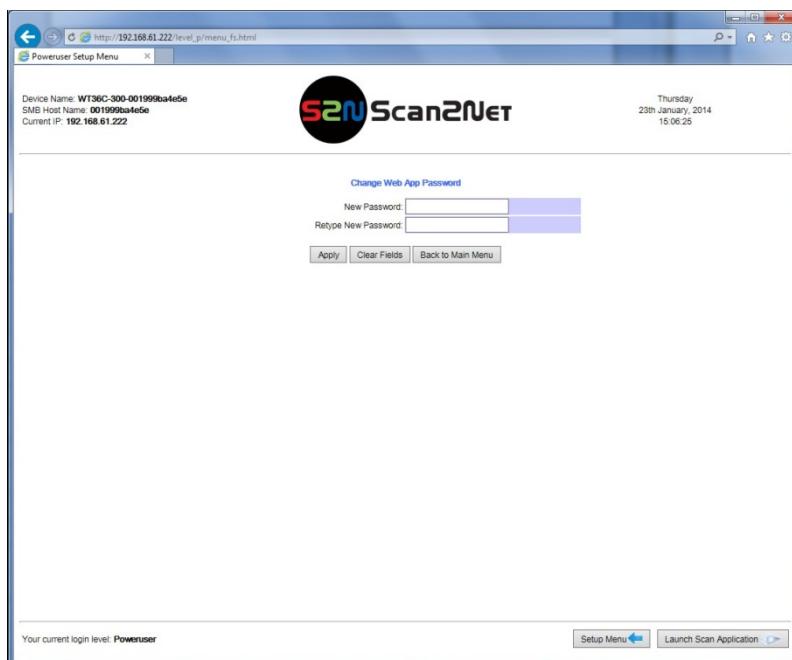


Picture 142: Message after restoring

E.8.5 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 143: Enter password to lock the 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.8.6 Unlock Web App

This function unlocks the user interface.

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

E.8.7 Edit Disclaimer Text

This function allows modifying the disclaimer text which is displayed at the touchscreen and at the external monitor (option) before starting a scan job.

E.9 Resets & Default Values

E.9.1 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.9.2 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.9.3 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.9.4 Reset Surface

This function resets the surface to factory defaults.

E.9.5 Reset Hardware Defaults

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

E.9.6 Set Default Passwords

This function resets all passwords to factory defaults.

F Technical Data WideTEK® 36 / 44 / 48

F.1 Scanner Specifications

WideTEK® 36 Optical System

Maximum document width	37.4 inch / 950 mm
Scan width	Max. 36 inch / 915 mm
Scanner resolution	1200 x 1200 dpi
Optical resolution	1200 x 600 dpi
Pixel dimension	9.3 x 9.3 µm
Sensor type	3x Tri-Color CCD, encapsulated and dust-proof
	12 bit grayscale (internal resolution)
	36 bit color (internal resolution)
Sensor resolution	67,500 pixels (3 x 22,500)
Scan modes	24 bit Color, 8 bit indexed color
	8 bit grayscale
	1 bit Black/White, enhanced halftone

WideTEK® 36 Illumination:

Light source	Two linear lamps with 154 white LEDs each, high quality optical diffusor integrated.
Warm-up time	None. Max. brightness immediately after switch-on.
Temperature dependency	None
UV / IR emission	None
Lamp life time	50,000 hours (typ.)

WideTEK® 44 Optical System

Maximum Document Width	50 inch / 1270 mm
Scan Width:	Max. 44 inch / 1118 mm
Scanner resolution	1200 x 1200 dpi
Optical Resolution	1200 x 600 dpi
Sensor Type:	4x Tri-Color CCDs, encapsulated and dust-proof
	12 bit grayscale (internal resolution)
	36 bit color (internal resolution)
Sensor Resolution:	90.000 pixels (4x 22.500)
Scan Modes:	24 bit color, 8 bit indexed color
	8 bit grayscale
	1 bit Black/White, enhanced halftone

WideTEK® 48 Optical System

Maximum Document Width	50 inch / 1270 mm
Scan Width:	Max. 48 inch / 1220 mm
Scanner resolution	1200 x 1200 dpi
Optical Resolution	1200 x 600 dpi
Sensor Type:	4x Tri-Color CCDs, encapsulated and dust-proof
	12 bit grayscale (internal resolution)
	36 bit color (internal resolution)
Sensor Resolution:	90.000 pixels (4x 22.500)
Scan Modes:	24 bit color, 8 bit indexed color
	8 bit grayscale
	1 bit Black/White, enhanced halftone

WideTEK® 44 / WideTEK® 48 Illumination:

Light Source:	Two lamps with 204 white LEDs each
Warm-up Time:	None. Max. brightness immediately after switch-on.
Temperature Dependence:	None
UV / IR Emission	None
Lifetime	50.000 h (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 / 40 to 105 °F
Operating humidity	20 ... 80 % RH, non-condensing
ECO standard	CEC level V

Scanner

Voltage	24 V DC
Current	Max. 5 A

WideTEK® 36 Power Consumption

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

WideTEK® 44 / WideTEK® 48 Power Consumption

Sleep	≤ 0.5 W
Standby	4.8 W
Ready to scan	46 W
Scanning	86 W

F.3 Document Specification

WideTEK® 36

Document Size	915 mm / 36 inch wide, up to 500 m / 20,000 inch long. The maximum document length depends on scan resolution and scan mode.
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WideTEK® 44 / WideTEK® 48

Document Size	50 inches / 1270 mm wide, up to 500 m / 20,000 inch long. The maximum document length depends on scan resolution and scan mode.
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Document Weight	Any. Straight paper path can handle the stiffest documents.
Document Thickness	2.5 mm / 0.1 inch maximum.

F.4 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	
WideTEK® 36	≤ 35 dB(A) (Operating) ≤ 25 dB(A) (Stand-by)
WideTEK® 44 / WideTEK® 48	≤ 35 dB(A) (Operating) ≤ 25 dB(A) (Stand-by)

F.5 Dimensions and Weight

F.5.1 WideTEK® 36

Scanner outer dimensions	228 x 1095 x 507 mm (H x W x D) 9 x 43.1 x 20 inch
Scanner outer dimensions (incl. floor stand)	1070 x 1095 x 507 mm (H x W x D) 42.1 x 43.1 x 20 inch
Weight of scanner	41 kg (90.4 lbs.)
Weight of floor stand / incl. paper output tray	18.5 kg (40.8 lbs.) / 20.7 kg (45.7 lbs.)

Wooden Transport Box:

Dimension of transport box	470 x 1200 x 810 mm (H x W x D) 18.5 x 47.3 x 31.9 inch
Total shipping weight	95 kg (209.5 lbs.)

F.5.2 WideTEK® 44 / WideTEK® 48

Scanner outer dimensions	228 x 1425 x 507 mm (H x W x D) 9 x 56.1 x 20 inch
Scanner outer dimensions (incl. floor stand)	1070 x 1425 x 507 mm (H x W x D) 42.1 x 56.1 x 20 inch
Weight of scanner	53 kg / 117 lbs.
Weight of floor stand/ incl. paper output tray	19 kg / 42 lbs. 21 kg / 46.5 lbs.

Wooden Transport Box:

Dimension of transport box	470 x 1600 x 800 mm (H x W x D) 18.5 x 63 x 31.5 inch
Total shipping weight	117.5 kg / 258.5 lbs.