



Frequently Asked Questions

Integrating Billing Systems

Abstract

Image Access scanners always include a PC running under Linux. The system can communicate with user identification servers; databases or simple external card readers to charge the scanning and transferal of the images. The option “Journal / Billing” can be purchased through our portal <https://portal.imageaccess.de>. The communication to many third party billing systems is integrated in the Scan2Net® software including: Showmäcker, Intercard, Copytron, Emos Pharos and Cartadis. Also, we have developed our own integration for systems like Internal; Journal and the Mifare 2 billing modules.

| | |
|-----------------|-----------------------------|
| Title | Integrating Billing Systems |
| Revision | 1.1 |
| Date: | 28.07.2017 |
| Category | FAQ |
| Owner | Image Access GmbH, Germany |
| Authors | AKU, JMO |

1. Confidentiality

| Status | Interested Party | Source | PDF |
|--------------------|------------------------------|--------|-----|
| Public Information | Image Access Support | Yes | Yes |
| | Authorized Service Providers | No | Yes |
| | Image Access Customers | No | Yes |

2. Revision History

| Date | Rev. | Name | Description of Change | Reason for Change |
|------------|------|------|-----------------------------|---------------------------------|
| 07.07.2016 | 1.0 | AKU | Initial Version | |
| 27.02.2017 | 1.0 | DI | Initial version corrections | Text correction |
| 28.07.2017 | 1.1 | TI | Minor formatting changes | Formatting |
| 04.10.2017 | 1.2 | AKU | Additional Billing System | Additional Billing System added |

3. Table of Contents

| | |
|--|----|
| 1. Confidentiality | 2 |
| 2. Revision History | 2 |
| 3. Table of Contents | 2 |
| 3.1. Table of Figures | 6 |
| 4. Purpose | 8 |
| 5. Scope | 8 |
| 6. Terms and Definitions | 8 |
| 7. Introduction | 8 |
| 8. General Information about Billing | 9 |
| 9. Purchasing the Journal / Billing Key | 10 |
| 9.1. Purchasing the Option Key for Journal / Billing | 10 |
| 9.2. Log on to the Customer Service Portal | 10 |
| 9.3. Initiate Purchase of Journal / Billing Key | 10 |
| 10. Integrated Billing Modules | 11 |
| 11. Setting Up the Scanner for Journal / Billing | 12 |
| 11.1. Log On to the Scanner | 12 |
| 11.2. Activate Software Key | 12 |
| 11.3. Billing Module Login Level | 13 |
| 11.4. Select the Billing Module | 13 |
| 12. Set Up Billing Module Internal | 14 |

| | | |
|---------------|--|-----------|
| 12.1. | About Internal Billing..... | 14 |
| 12.2. | Requirements..... | 14 |
| 12.3. | Compatible Applications..... | 14 |
| 12.4. | Internal Billing Interface Menu..... | 14 |
| 12.5. | Set Provider Data..... | 15 |
| 12.6. | Edit Charges | 16 |
| 12.7. | Usage Analysis..... | 16 |
| 12.8. | Locked / Unlocked Screens..... | 17 |
| 12.9. | Create Invoice | 19 |
| 12.10. | Invoice | 20 |
| 13. | Set Up Billing Module Journal..... | 21 |
| 13.1. | About Journal | 21 |
| 13.2. | Requirements | 21 |
| 13.3. | Compatible Applications | 21 |
| 13.4. | Interface Menu..... | 21 |
| 13.5. | Show Journal | 21 |
| 13.6. | Journal Setup..... | 22 |
| 13.7. | Journal Path configuration | 22 |
| 13.8. | Journal Template | 22 |
| 14. | IAC Voucher (Special Customer Solution) | 23 |
| 14.1. | Software Download | 23 |
| 14.2. | Firmware-Installation | 23 |
| 14.3. | Installation of RSL Touchscreen App | 23 |
| 14.4. | Firmware Setup | 23 |
| 14.5. | Deactivation of QR code on BE4 main monitor..... | 23 |
| 14.6. | Deactivation of main touch screen disclaimer text..... | 23 |
| 14.7. | Billing Key Check..... | 24 |
| 14.8. | Activation of Voucher Billing Module..... | 24 |
| 14.9. | Setup of Billing Module (IAC Voucher 1)..... | 24 |
| 14.10. | Check RSL App UseHTLM..... | 24 |
| 14.11. | Unmark all other apps from Show | 24 |
| 14.12. | Edit of GUI and Translation on the Scanner | 25 |
| 14.13. | 8. Option:..... | 25 |
| 14.14. | 9. Option:..... | 25 |

| | |
|--|-----------|
| 14.15. 10. Option:..... | 25 |
| 15. Set Up Billing Module Emos Pharos | 26 |
| 15.1. About Emos Pharos | 26 |
| 15.2. Requirements | 26 |
| 15.3. Compatible Applications | 26 |
| 15.4. Select the Billing Module..... | 26 |
| 15.5. List of Charges | 27 |
| 15.6. Setup..... | 28 |
| 15.7. Edit Charges..... | 29 |
| 16. Set Up Billing Module Intercard AS3400..... | 30 |
| 16.1. About Intercard AS3400 | 30 |
| 16.2. Requirements | 30 |
| 16.3. Intercard AS3400 Interface Menu | 30 |
| 16.4. AS3400 Setup | 30 |
| 16.5. Test Device | 31 |
| 17. Set Up Billing Module CTM 5020/ CA3020 / CA3030 | 32 |
| 17.1. About CTM5020 / CA3030 / CA3030 | 32 |
| 17.2. Requirements | 32 |
| 17.3. Compatible Applications | 32 |
| 17.4. Interface Menu | 32 |
| 17.5. CTM Setup | 33 |
| 17.6. Setting Prices with Copytron CTM5020 Modul | 34 |
| 17.7. Test Device | 35 |
| 18. Set Up Billing Module Copytron CA3030/3020 IP Networking..... | 35 |
| 18.1. About Copytron CA3030/3020 | 35 |
| 18.2. Requirements | 35 |
| 18.3. Compatible Applications | 35 |
| 18.4. Interface Menu | 35 |
| 18.5. Device Status | 36 |
| 18.6. Card Data..... | 36 |
| 18.7. Setup..... | 37 |
| 18.8. List of Charges | 38 |
| 18.9. Edit Charges..... | 39 |
| 19. Set Up Billing Module Cartadis TC11N..... | 40 |

| | | |
|------------|--|-----------|
| 19.1. | About Cartadis TC11N | 40 |
| 19.2. | Requirements | 40 |
| 19.3. | Compatible Applications | 40 |
| 19.4. | Interface Menu | 40 |
| 19.5. | TC11N Setup | 41 |
| 19.6. | Test Device | 41 |
| 20. | Setup Billing Module PaperCut | 42 |
| 20.1. | About PaperCut | 42 |
| 20.2. | Requirements | 42 |
| 20.3. | Compatible Applications | 42 |
| 20.4. | Interface Menu | 42 |
| 20.5. | List of charges | 42 |
| 20.6. | Setup..... | 43 |
| 20.7. | Edit Charges..... | 44 |
| 20.8. | Device Status | 44 |
| 20.9. | Device Status (Mifare) | 45 |

3.1. Table of Figures

| | |
|---|----|
| Fig. 1: Journal / Billing Key..... | 10 |
| Fig. 2: Activating installed options | 12 |
| Fig. 3: Entering Option Key..... | 12 |
| Fig. 4: Billing Module Login Level | 13 |
| Fig. 5: Billing Module Selection | 13 |
| Fig. 6: Internal Billing Interface Menu..... | 14 |
| Fig. 7: Set Provider Data | 15 |
| Fig. 8: Edit Charges | 16 |
| Fig. 9: Usage Analysis..... | 16 |
| Fig. 10: Touchscreen Locked | 17 |
| Fig. 11: TFT Locked | 17 |
| Fig. 12: Touchscreen Unlocked..... | 18 |
| Fig. 13: TFT Unlocked | 18 |
| Fig. 14: Usage Analysis after Scan Job..... | 19 |
| Fig. 15: Invoice..... | 20 |
| Fig. 16: Reset Counter / Unlock Scanner for the next Scan Job | 20 |
| Fig. 17: Interface Menu Journal..... | 21 |
| Fig. 18: View Journal..... | 21 |
| Fig. 19: Journal Path | 22 |
| Fig. 20: Journal Setup | 22 |
| Fig. 21: Emos Pharos Interface | 26 |
| Fig. 22: List of Charges..... | 27 |
| Fig. 23: Pharos Setup..... | 28 |
| Fig. 24: Edit Charges | 29 |
| Fig. 25: Intercard AS3400 Interface..... | 30 |
| Fig. 26: AS3400 Setup..... | 30 |
| Fig. 27: Test Device..... | 31 |
| Fig. 28: CTM 5020 CA3030/3020 Interface | 32 |
| Fig. 29: CTM Price Level Setup | 33 |
| Fig. 30: Test Device..... | 35 |
| Fig. 31: CA3030/3020 Network Interface Menu | 35 |
| Fig. 32: Device Status..... | 36 |
| Fig. 33: Card Data | 36 |
| Fig. 34: IP Setup | 37 |
| Fig. 35: List of Charges..... | 38 |
| Fig. 36: edit Charges | 39 |
| Fig. 37: Interface Menu | 40 |
| Fig. 38: TC11N Setup | 41 |
| Fig. 39: Test Device..... | 41 |
| Fig. 40: Interface Menu | 42 |
| Fig. 41: List of Charges..... | 43 |
| Fig. 42: Setup..... | 43 |
| Fig. 43: Edit Charges | 44 |
| Fig. 44: Communication Test..... | 44 |

| | |
|-------------------------------------|----|
| Fig. 45: Device Status Mifare | 45 |
|-------------------------------------|----|

4. Purpose

The purpose of this document is to answer frequently asked questions about how to configure a “Billing Module” in the Scan2Net software and how to work with the active billing functionalities.

5. Scope

The scope of the document includes all Scan2Net Bookeye scanner with an active “ Journal / Billing” option key. The firmware versions covered by this document are 6.xx and higher.

6. Terms and Definitions

| Term | Description, Meaning |
|---------------------------------|--|
| Scan2Net | Technology from Image Access implemented in many scanners. More at: www.imageaccess.de/?page=SoftwareScan2Net |
| CSP | CSP, which stands for Image Access Customer Service Portal. |
| Bookeye | Book scanners. More at: http://www.imageaccess.de/?page=ScannersBookscanner&lang=en |
| Journal | A record where all transactions are entered |
| Billing | To cash out for a provided service |
| Debit Card | A payment card that deducts money directly from a consumer’s checking account to pay for a purchase. |
| Credit Card | A payment card with a credit line for purchases. |
| Cost Center | The cost center which tracks all payment transactions of a department. |
| Database | A storage of data from any application. |
| Multiple User Management | An option to assign rights to each individual user |

7. Introduction

The target audience for this FAQ document is the administrator of a Scan2Net scanner and the administrator of the billing system. The administrator should have experience setting up and configuring the Scan2Net interface.

The document will provide a guideline to:

- Purchase the Journal / Billing Key
- Understand general information about billing
- Integrated billing modules in the Scan2Net software
- Select the billing module in the Scan2Net interface
- Setup the billing module
- Requirements for the module
- Difference between Debit, Credit and Cost Center card
- List of charges

8. General Information about Billing

The billing system is important to charge a user for the scan job itself but also the image transferal to a target in a public area or a department of a company. The most popular application for a billing system is a copier with a coin box. When enough money is inserted in the coin box, the copier will be unlocked and can be used to make a certain number of copies. After the copy job, or when the money has been used up, the copier is locked again. The Image Access scanners use the same functionality for scanning and transferring of the images. In the following document, the various possibilities integrated in the respective billing modules are described in detail.

9. Purchasing the Journal / Billing Key

9.1. Purchasing the Option Key for Journal / Billing

9.2. Log on to the Customer Service Portal

In order to use Journal / Billing, you must first log on to the Image Access Customer Service Portal at <https://portal.imageaccess.de> and purchase a key to activate the software on your scanner.

Select the menu item **Actions**.

9.3. Initiate Purchase of Journal / Billing Key

Select the item **Software Options**.

Enter the serial number of the scanner.

Select **Journal / Billing** from the list of available options by checking the checkbox.

| | | | | |
|-------------------------------------|----|--------------------------|--------------------------|-----------|
| <input checked="" type="checkbox"/> | 21 | Journal/Billing | Journal/Billing | 0,00EUR |
| | | 5Qw9Kg6.w4A54JiPh2UvZo | | |
| <input checked="" type="checkbox"/> | 23 | Multiple User Management | Multiple User Management | 0,00EUR |
| | | I6QATahkhRMNXfkPioLgNg | | |
| <input type="checkbox"/> | 25 | OCR | Background OCR | 750,00EUR |
| | | | | |

Fig. 1: Journal / Billing Key

After confirming the purchase, the key and an invoice for the purchase will be sent to the email registered on the Customer Service Portal.

10. Integrated Billing Modules

| Scan2Net Modul | Third Party Modul |
|--------------------------------------|--|
| Internal | Schomäcker QPilot |
| Journal | ЭЛAP CCC (Special Customer Solution) |
| Mifare 1 (Special Customer Solution) | ЭЛAP HEБ (Special Customer Solution) |
| Mifare 2 | Emos Pharos |
| Voucher | Intercard CM3883 |
| | Intercard AS3400 |
| | Copytron CA3020 / CA3030 / CTM5020 |
| | Copytron CA3020 / CA3030 - IP Networking |
| | Cartadis TC11N |
| | Infineer 6255 |
| | PaperCut |
| | Argos Sepialine |

11. Setting Up the Scanner for Journal / Billing

11.1. Log On to the Scanner

Log on to the scanner as the **Poweruser**.

Username / Password = Poweruser

11.2. Activate Software Key

In the menu area **Updates & Uploads** click the button **Installed Options**.



Fig. 2: Activating installed options

Enter the key for the Journal / Billing which was sent to you via email. You may copy and paste it out of the PDF but be aware that no extra blanks should be copied. Confirm by clicking the **Apply** button. The text in the line will change from red to green.

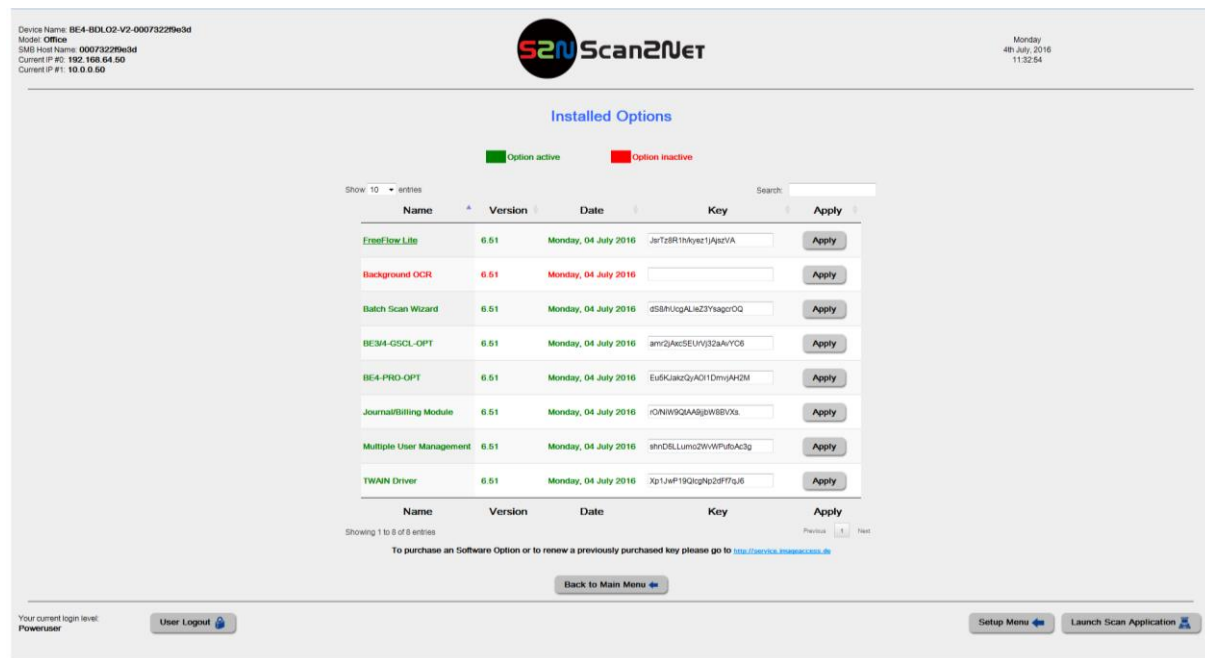


Fig. 3: Entering Option Key

Back to Setup Menu returns you to the Setup Menu.

11.3. Billing Module Login Level

If the key for the option **Billing and Authentication** is installed, the **Setup Device** login level page will show two additional login level button.



Fig. 4: Billing Module Login Level

11.4. Select the Billing Module

After logging in, select your "Billing Module" from the drop down list.

If **Auto Lock** is enabled, the scanner will be locked automatically when no user is authenticated.

The Terminal ID field will be described detailed in the Module Setup.

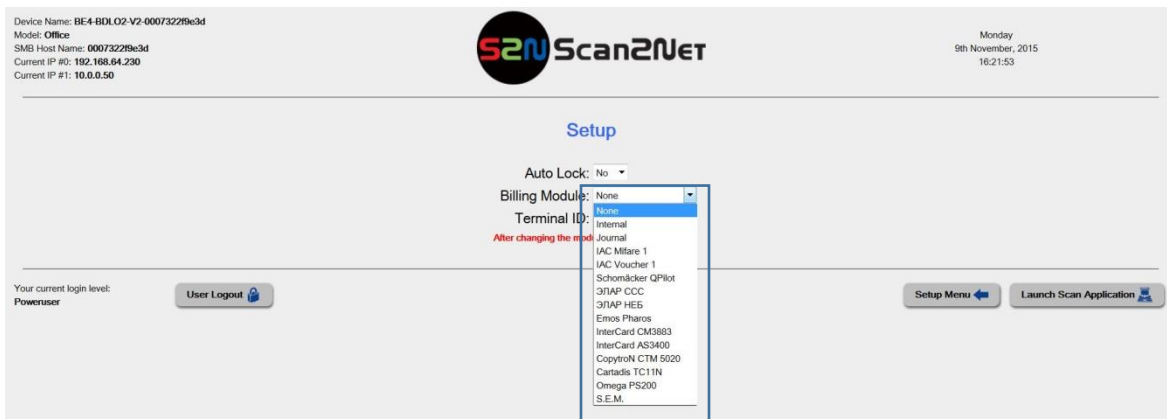


Fig. 5: Billing Module Selection

12. Set Up Billing Module Internal

12.1. About Internal Billing

Internal billing is an integrated remote control function of the Scan2Net System. In order to bill for each scan job prepared for every customer, an operator must unlock the scanner and activate the billing module.

12.2. Requirements

Scan2Net Keys = Journal / Billing

Desktop PC with a browser

Cashier with cash register

12.3. Compatible Applications

ScanWizard and HTML Applications

12.4. Internal Billing Interface Menu

If Internal Billing is chosen, you will see five Option Buttons

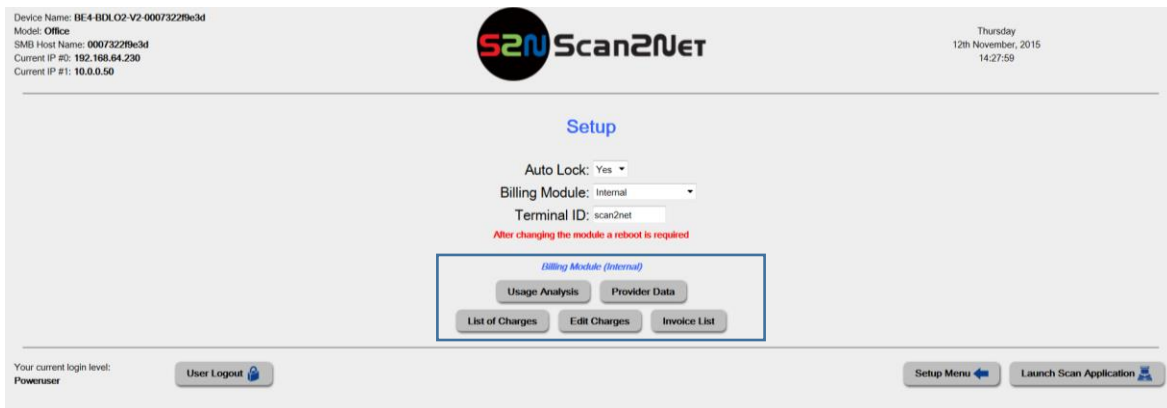


Fig. 6: Internal Billing Interface Menu

12.5. Set Provider Data

This data is important for the invoice generated after your customer's scan job. Please enter your company data in the fields.

The screenshot displays the Scan2Net web interface. At the top left, system information is listed: Device Name: BE4-BDL02-V2-0007327f9c3d, Model: Office, SMB Host Name: 0007327f9c3d, Current IP #0: 192.168.64.230, and Current IP #1: 10.0.0.50. The top center features the Scan2Net logo. The top right shows the date and time: Thursday, 12th November, 2015, 14:31:52. The main heading is 'Provider Data'. Below this, a form contains the following fields: Provider (Image Access GmbH), Address (Hatzfelder Str. 161-163), Address (Wuppertal), Tax Number (01234567), Invoice text (Internet Service), Invoice number text (Invoice No. %c (%c: Invoice number wildcard)), and Invoice Number (4 (auto increment, only ciphers)). A 'Back' button is located below the form. At the bottom left, it says 'Your current login level: Poweruser' next to a 'User Logout' button. At the bottom right, there are 'Setup Menu' and 'Launch Scan Application' buttons.

Device Name: BE4-BDL02-V2-0007327f9c3d
Model: Office
SMB Host Name: 0007327f9c3d
Current IP #0: 192.168.64.230
Current IP #1: 10.0.0.50

Thursday
12th November, 2015
14:31:52

Provider Data

Provider: Image Access GmbH
Address: Hatzfelder Str. 161-163
Address: Wuppertal
Tax Number: 01234567
Invoice text: Internet Service
Invoice number text: Invoice No. %c (%c: Invoice number wildcard)
Invoice Number: 4 (auto increment, only ciphers)

Back

Your current login level:
Poweruser

User Logout

Setup Menu

Launch Scan Application

Fig. 7: Set Provider Data

12.6. Edit Charges

Choose the button “**Edit Charges**” to set up the costs for your provision options. Please edit the currency, decimal mark and VAT for your country. With the +/- 0,01; 0, 10; 1 buttons you can in / decrease your charges for the necessary options.

Device Name: BE4-BOL02-V2-0007327963d
Model: Office
SMB Host Name: 0007327963d
Current IP #0: 192.168.04.230
Current IP #1: 192.0.0.50

Thursday
12th November, 2015
14:56:09

Edit Charges

Currency: EUR
Decimal Mark: ,
VAT: 19 % Exclusive
Scan: +1,00 +0,10 +0,01 0,10 -0,01 -0,10 -1,00
Bill deleted scans: Yes
Export to USB: +1,00 +0,10 +0,01 0,10 -0,01 -0,10 -1,00
Export to Mail: +1,00 +0,10 +0,01 0,10 -0,01 -0,10 -1,00
Export to FTP: +1,00 +0,10 +0,01 0,10 -0,01 -0,10 -1,00
Export to SMB: +1,00 +0,10 +0,01 0,10 -0,01 -0,10 -1,00
Export to Web: +1,00 +0,10 +0,01 0,00 -0,01 -0,10 -1,00
Additional Charge for PDF: +1,00 +0,10 +0,01 0,00 -0,01 -0,10 -1,00
Print (A4): +1,00 +0,10 +0,01 0,00 -0,01 -0,10 -1,00
Print (A3): +1,00 +0,10 +0,01 0,00 -0,01 -0,10 -1,00
Additional Charge for Duplex: +1,00 +0,10 +0,01 0,00 -0,01 -0,10 -1,00
Additional Charge for Color: +1,00 +0,10 +0,01 0,00 -0,01 -0,10 -1,00

List of Charges Print List Provider Data Usage Analysis Back

Your current login level: Poweruser User Logout Setup Menu Launch Scan Application

Fig. 8: Edit Charges

12.7. Usage Analysis

The menu “**Usage Analysis**” shows all counters of the provision options and the total price of the actual scan job. To start a new scan job, click the “**Unlock Scanner**” button. If the scanner is unlocked, the status dialog shows the current setting.

Device Name: BE4-BOL02-V2-0007327963d
Model: Office
SMB Host Name: 0007327963d
Current IP #0: 192.168.04.230
Current IP #1: 192.0.0.50

Thursday
29th October, 2015
16:15:53

Usage Analysis

Status: Locked
Scan Counter: 0

Export to USB: 0 PDF 0 Image
Export to Mail: 0 PDF 0 Image
Export to FTP: 0 PDF 0 Image
Export to SMB: 0 PDF 0 Image
Export to Web: 0 PDF 0 Image
Total: 0 PDF 0 Image

Print (A4): 0 Gray/Simp 0 Gray/Dup 0 Col/Simp 0 Col/Dup
Print (A3): 0 Gray/Simp 0 Gray/Dup 0 Col/Simp 0 Col/Dup

Scan Charges: 0,00 EUR
Exporting Charges: 0,00 EUR
Printing Charges: 0,00 EUR
Total Charges: 0,00 EUR

Unlock Scanner

Invoice Reset Counter List of Charges Edit Charges Provider Data Back

Your current login level: Poweruser User Logout Setup Menu Launch Scan Application

Fig. 9: Usage Analysis

12.8. Locked / Unlocked Screens

Unlock the scanner prior to use. If the scanner is locked, the touchscreen shows the message “Locked”. See the picture below. When the administrator unlocks the scanner, the scan application is unlocked and can be used. Please refer to the following pictures.



Fig. 10: Touchscreen Locked

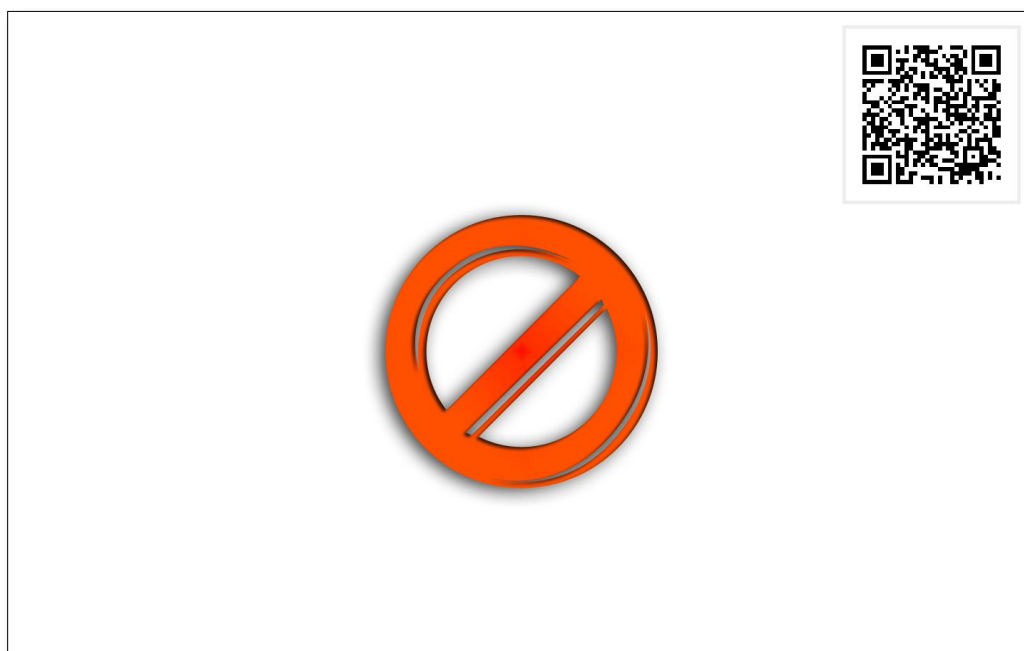


Fig. 11: TFT Locked



Fig. 12: Touchscreen Unlocked




Fig. 13: TFT Unlocked

12.9. Create Invoice

After finishing the scan job, the menu “Usage Analysis” shows the scan counter and the costs of the provided options that were used by the customer. To create an invoice, click on the “Invoice” button.

Device Name: BE4-BDLO2-V2-0007322f9e3d
Model: Office
SMB Host Name: ALEXBE
Current IP #0: 192.168.64.230
Current IP #1: 10.0.0.50



Wednesday
13th January, 2016
17:25:19

Usage Analysis

Status:

Unlocked

Scan Counter:

3

Export to USB:

0

PDF

0

Image

Export to Mail:

0

PDF

0

Image

Export to FTP:

0

PDF

0

Image

Export to SMB:

0

PDF

0

Image

Export to Web:

0

PDF

0

Image

Total:

0

PDF

0

Image

Print (A4):

0

Gray/Simp

0

Gray/Dup

0

Col/Simp

0

Col/Dup

Print (A3):

0

Gray/Simp

0

Gray/Dup

0

Col/Simp

0

Col/Dup

Scan Charges:

0,30 €

Exporting Charges:

0,00 €

Printing Charges:

0,00 €

Total Charges:

0,30 €

Lock Scanner

➔ Invoice

Reset Counter


List of Charges


Edit Charges

Provider Data

Back

Your current login level:
Poweruser

User Logout 

Setup Menu 


Launch Scan Application 

Fig. 14: Usage Analysis after Scan Job

12.10.Invoice

The Invoice shows the costs including VAT of the last scan job. The button **“Print Invoice”** allows printing the current invoice.

Device Name: BE4-BDL02-V2-00073229W04
Model: Office
SMB Host Name: ALEXBDE
Current IP #: 192.168.84.230
Current IP #: 192.168.84.230

Wednesday
13th January, 2016
17:27:33

Internet Service

Invoice No. 8 13th January, 2016

| Quantity | Description | Unit Price (€) | Charge (€) |
|----------|-------------|----------------|---------------|
| 3 | Scan | 0,10 | 0,30 |
| | | | 0,30 € |
| | | VAT (19%) | 0,05 € |
| | | Total : | 0,35 € |

Image Access GmbH
Hatzfelder Str. 161-163
Wuppertal

Tax Number: 01234567

[Print Invoice](#) [Cancellation](#) [Usage Analysis](#)

Your current login level: **Poweruser** [User Logout](#) [Setup Menu](#) [Launch Scan Application](#)

Fig. 15: Invoice

Go to the **“Usage Analysis”** Menu to reset the Counter and to start a new Scan-Job.

Device Name: BE4-BDL02-V2-00073229W04
Model: Office
SMB Host Name: ALEXBDE
Current IP #: 192.168.84.230
Current IP #: 192.168.84.230

Wednesday
13th January, 2016
17:34:57

Usage Analysis

Status: **Unlocked**

Scan Counter: 3

Export to USB: 0 PDF 0 Image
Export to Mail: 0 PDF 0 Image
Export to FTP: 0 PDF 0 Image
Export to SMB: 0 PDF 0 Image
Export to Web: 0 PDF 0 Image
Total: 0 PDF 0 Image

Print (A4): 0 Gray/Simp 0 Gray/Dup 0 Col/Simp 0 Col/Dup
Print (A3): 0 Gray/Simp 0 Gray/Dup 0 Col/Simp 0 Col/Dup

Scan Charges: 0,30 €
Exporting Charges: 0,00 €
Printing Charges: 0,00 €
Total Charges: 0,30 €

[Lock Scanner](#)

[Invoice](#) [Reset Counter](#) [List of Charges](#) [Edit Charges](#) [Provider Data](#) [Back](#)

Your current login level: **Poweruser** [User Logout](#) [Setup Menu](#) [Launch Scan Application](#)

Fig. 16: Reset Counter / Unlock Scanner for the next Scan Job

13.Set Up Billing Module Journal

13.1. About Journal

The Journal Billing is an integrated Scan2Net module that logs the scan jobs in a generated text file. The scanner can't be locked.

13.2. Requirements

Scan2Net Keys = Journal / Billing

Desktop PC with a browser

13.3. Compatible Applications

ScanWizard; HTML Applications

13.4. Interface Menu

If Journal Billing is chosen you will see 2 Buttons.

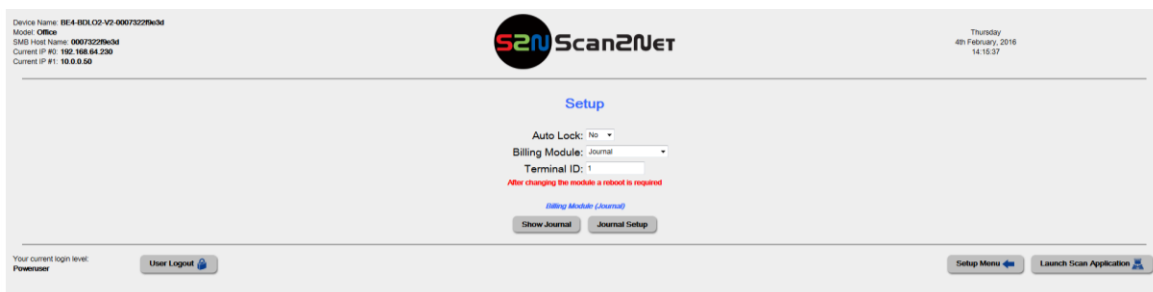


Fig. 17: Interface Menu Journal

13.5. Show Journal

Here is the Journal listed of the scan jobs. The text entry is configurable at the “[Journal Setup](#)”.



Fig. 18: View Journal

13.6. Journal Setup

13.7. Journal Path configuration

In the drop down menu are all transfer options listed for the journal.



Fig. 19: Journal Path

13.8. Journal Template

The text entry of the Journal is configurable with the Template entry, for more information open the Wildcards character menu.

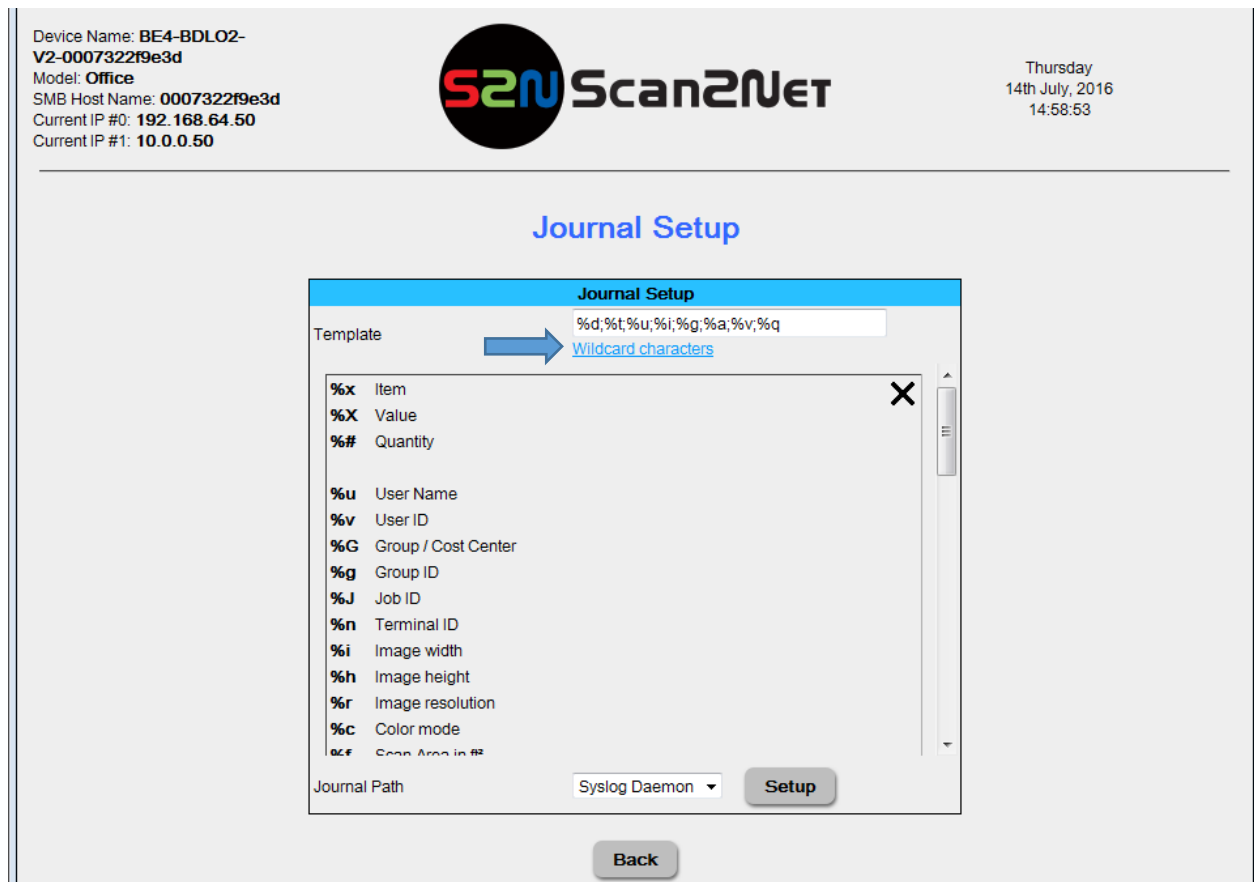


Fig. 20: Journal Setup

14. IAC Voucher (Special Customer Solution)

14.1. Software Download

Please download the file "RSL.zip" from the Image Access FTP directory at the customer service portal at <http://portal.imageaccess.de>

The zip file contains the following files:

Scan2Net firmware 6.30Cxx: s2nfir-6.30Crcxx.zip

RSL App: RSLTestApp.zip

DesignJavaGUI: V2.30-b16_DesignJavaGUI_2014_10_16.zip

A file with a short screen description of the RSL APP: 2014-10-16 short screen description RSL APP.docx

2014-10-16 RSL_Self_Scanning_Solution_Installation_and_Setup.docx

14.2. Firmware-Installation

Upload the Scan2Net Firmware 6.30C with s2nfir-6.30C.zip

14.3. Installation of RSL Touchscreen App

Upload the java app "RSLTestApp.zip" via DesignJavaGUI.exe

14.4. Firmware Setup

In Scan2Net / Setup Device / Enter your login level: Poweruser

14.5. Deactivation of QR code on BE4 main monitor

Location: Scan2Net / Setup Device / Poweruser / Base Settings/ Touchscreen / Desktop Screen /

Set: Show QRCode: **No**

14.6. Deactivation of main touch screen disclaimer text

Location: Scan2Net / Setup Device / Poweruser / Administrative Settings / Edit Disclaimer Text /

Select: Target User: "default"

Set: Enable disclaimer text?: No

14.7. Billing Key Check

Now check the status of the required and activated Scan2Net software option key "Journal/Billing Module"

Location: Scan2Net / Setup Device / Poweruser / **Updates & Uploads** / Installed Options / Journal/Billing Module

If there is no key listed, get one from the Customer Service Portal, where you are able to purchase the dedicated option key.

Upload the dedicated key to the installed options as described above.

14.8. Activation of Voucher Billing Module

Location: Scan2Net / Setup Device / Journal/Billing Module (Username and Password are "Billing") /

The "Setup" interface opens.

Please set the following entries:

Set: Auto Lock: No

Select Billing Module: IAC Voucher 1

Select: Terminal ID: Range: 0 - 99 (After changing the module, a reboot is required)

14.9. Setup of Billing Module (IAC Voucher 1)

Location: Scan2Net / Setup Device / Journal/Billing Module / Setup / Billing Module (IAC Voucher 1) / Edit Charges

Required: Currency: Ruble

Required: Scan: Set a price for a Scan

14.10. Check RSL App UseHTML

Location: Scan2Net / Setup Device / Poweruser / Base settings / Touchscreen GUI /

14.11. Unmark all other apps from Show

Location: Scan2Net / Setup Device / Poweruser / Base settings / Touchscreen GUI /

14.12. Edit of GUI and Translation on the Scanner

For the “ScannAppConf” only the currently activated language can be changed.

14.13. 8. Option:

To edit the dialogue texts of the RSL app on the scanner, please use the following link:

[Scanner-IP/EditSSSLokalisation.php](#)

The basic dialogs for the IAC Voucher solutions are:

Welcome

VoucherLanguageChoice

Voucher (Change text for button 1 from "Scan bar code" to "Print voucher")

EndWork

VoucherRules

WrongBarCode

14.14. 9. Option:

To edit the text translation in the RSL app of the ScanAppConf please use the following link:

[Scanner-IP/ScanAppConfLokalisation.php](#)

14.15. 10. Option:

To restart the touchscreen application please use the following link:

[Scanner-IP/cgi/start-kiosk?restart](#)

15.Set Up Billing Module Emos Pharos

15.1. About Emos Pharos

The Emos Pharos billing solution is a network based server system, with a user identification on the scanner.

15.2. Requirements

Scan2Net Keys: Journal / Billing

Pharos Server Software

Pc or server for the Emos Pharos application

15.3. Compatible Applications

Java / HTML applications

15.4. Select the Billing Module

Select the Pharos billing module

The “**Terminal ID**” is the “**Side Code**” of the Pharos system, for example: edi123

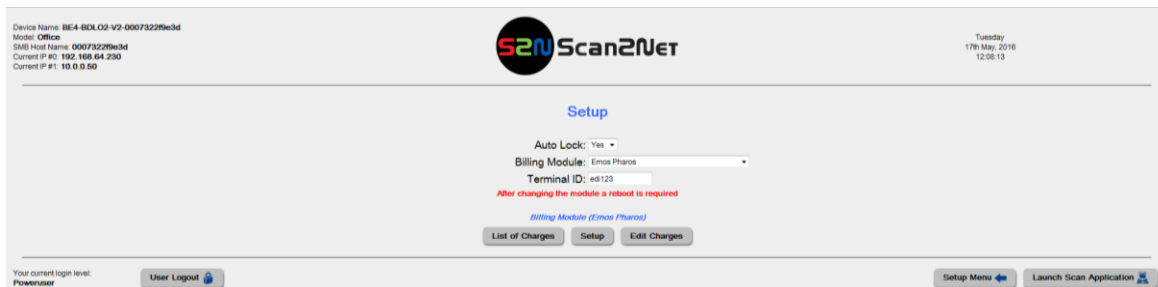


Fig. 21: Emos Pharos Interface

With the buttons “**List of Charges**”; “**Setup**”; “**Edit Charges**” you can open other menus or a status information screen.

15.5. List of Charges

Here the prices for the options are displayed.

Device Name: 8E4-8DLC2-V2-00073229e3d
Model: Office
SMB Host Name: 00073229e3d
Current IP #: 192.168.64.230
Current IP #: 192.168.64.230

Scan2Net

Tuesday
17th May, 2016
12:16:44

List of Charges

Exporting Charges

| | |
|-----------------|----------|
| Scan: | 1,00 EUR |
| Export to USB: | 1,00 EUR |
| Export to Mail: | 0,00 EUR |
| Export to FTP: | 0,00 EUR |
| Export to Web: | 0,00 EUR |
| Export to SMB: | 0,00 EUR |

Printing Charges

| | |
|--------------------|----------|
| Print (A4): | 1,00 EUR |
| Print (A3): | 1,00 EUR |
| Print (A4, Color): | 1,00 EUR |
| Print (A3, Color): | 1,00 EUR |

Print List Edit Charges Back

Your current login level:
Poweruser

User Logout

Setup Menu

Launch Scan Application

Fig. 22: List of Charges

Click the button “**Print List**” to print the list.

Click the button “**Edit Charges**” to change the prices for all provided options.

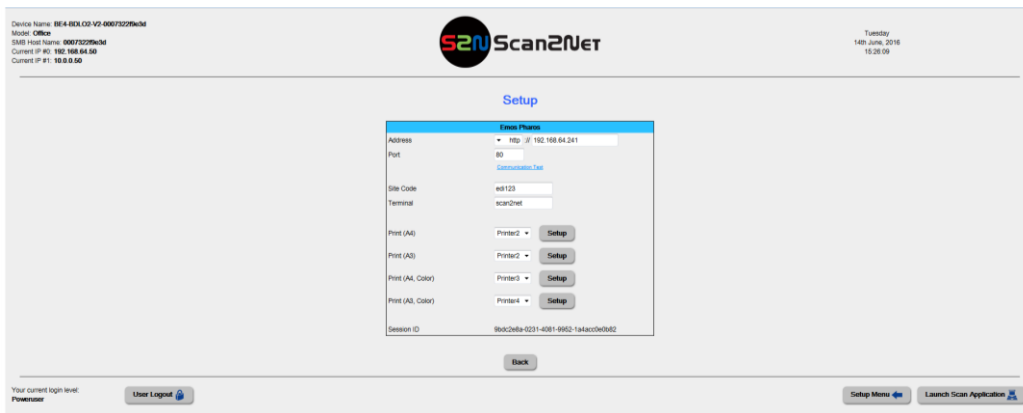
Click “**Back**” to return to the Billing General Setup window.

15.6. Setup

- Address: : Enter the IP Address of the Pharos Server
- Port : Enter the communication Port of the connection
- Side Code : Enter the Pharos Site Code
- Terminal : Enter the Pharos Terminal
- Printer 1-4 : Choose your System Printer

Click on one of the “Setup” buttons to edit your print templates.

For more information about printer installation refer to the Operation Manual of the scanner.



The screenshot displays the Scan2Net Setup web interface. At the top left, device information is shown: Device Name: 88F4-80X-02-V2-000732296d, Model: 0880a, SMS Host Name: 000732296d, Current IP #0: 192.168.84.50, and Current IP #1: 192.168.84.50. The top center features the Scan2Net logo. The top right shows the date and time: Tuesday, 14th June, 2016, 15:26:09. The main section is titled "Setup" and contains a "Form Params" table with the following fields: Address (http://192.168.84.241), Port (80), Site Code (ed123), Terminal (scan2net), and Session ID (88d2efda-0231-4081-8962-1a1ac0b076d2). Below these fields are four printer configuration rows, each with a dropdown menu (Printer2, Printer2, Printer3, Printer4) and a "Setup" button. At the bottom, there is a "Back" button and a footer area with "Your current login level: Poweruser", a "User Logout" button, and "Setup Menu" and "Launch Scan Application" buttons.

Fig. 23: Pharos Setup

15.7. Edit Charges

Click the button “**Edit Charges**” in order to define the costs for your provision options.

Please edit the currency, the kind of decimal mark and the VAT for your country.

The buttons +/- 0,01, 0,10 and 1,00 allow you to increase or decrease the charges for the offered options.

With the button “List of Charges” return to the former menu.

The button “Print List” prints the list as displayed at the screen.

Device Name: BE4-BDL02-V2-00073229e0d
Model: Office
SMB Host Name: 00073229e0d
Current IP #: 192.168.64.230
Current IP #: 192.168.64.230

Scan2Net

Tuesday
17th May, 2016
12:22:43

Edit Charges

| | Currency: | EUR | | | | |
|--------------------|---------------|-------|-------|------|-------|-------|
| | Decimal Mark: | | | | | |
| Scan: | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 |
| Export to USB: | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 |
| Export to Mail: | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 |
| Export to FTP: | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 |
| Export to SMB: | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 |
| Export to Web: | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 |
| Print (A4): | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 |
| Print (A3): | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 |
| Print (A4, Color): | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 |
| Print (A3, Color): | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 |

List of Charges Print List Back

Your current login level:
Poweruser

User Logout

Setup Menu Launch Scan Application

Fig. 24: Edit Charges

16.Set Up Billing Module InterCard AS3400

16.1. About InterCard AS3400

The InterCard is a klick interface based card reader. This system is using debit cards to bill the jobs on the scanner.

16.2. Requirements

Scan2Net Keys: Journal Billing

InterCard AS3400 card reader

16.3. InterCard AS3400 Interface Menu

The menu shows you two additional buttons for setting up and testing the billing system.

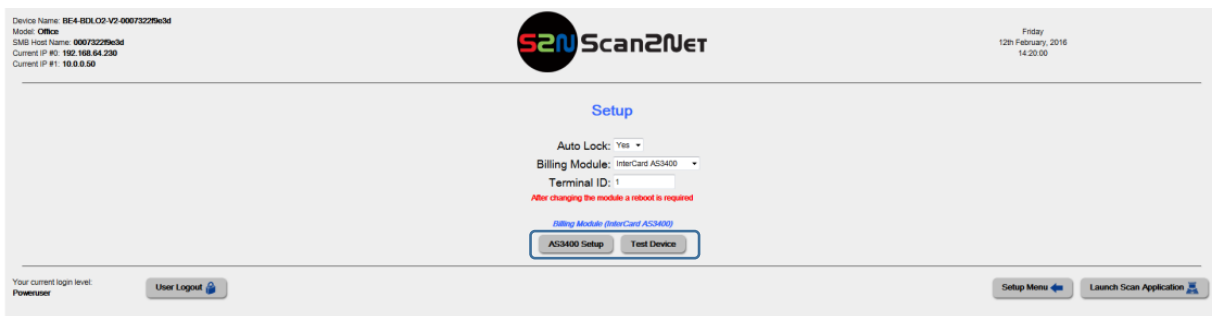


Fig. 25: InterCard AS3400 Interface

16.4. AS3400 Setup

The setup menu is for configuring the price level for the provided options. Price level : A4; 2xA4; 3xA4; A3; 2x A3; 3xA3 are supported. The list can be printed with the “Print List” button.

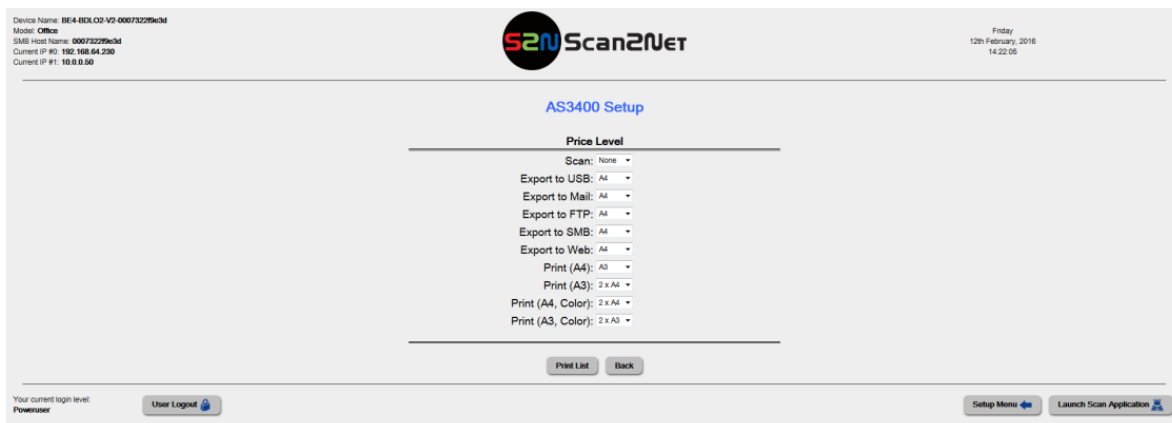


Fig. 26: AS3400 Setup

16.5. Test Device

The price configuration of the card reader AS3400 can be tested in this menu. The button “**Charge A4;** **Charge “2 x A4”** etc. simulate a charge from the scanner. The card reader should be connected with a card in it before simulating a charge.

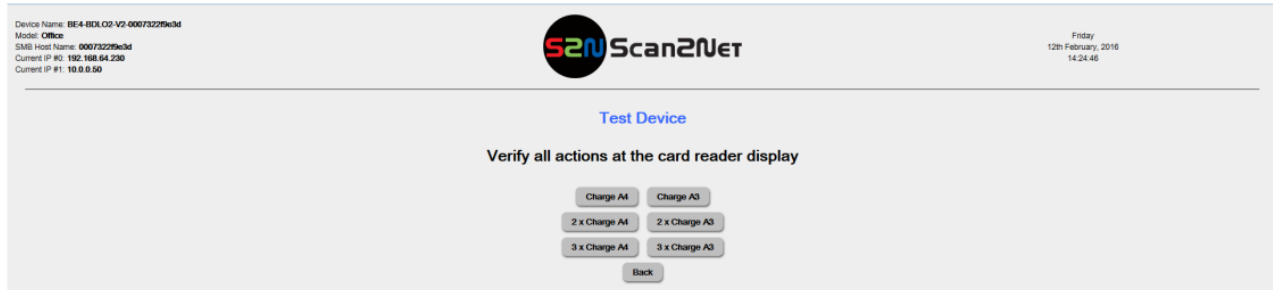


Fig. 27: Test Device

17.Set Up Billing Module CTM 5020/ CA3020 / CA3030

17.1. About CTM5020 / CA3030 / CA3030

The CTM5020 is a simple coin box controlled via a simple click interface which requires a low level of administration. If the money value is less than required, the scanner will lock. After inserting more money, the scan job will reactivate.

The module CA3030 / CA3020 is a card reader controlled via click interface, the workflow is the same as the CTM5020.

17.2. Requirements

Scan2Net Keys: Journal Billing Key

Coin box CTM5020 or a CA3030 / 3020 card reader

17.3. Compatible Applications

JAVA / HTML applications

17.4. Interface Menu

This menu shows you two additional buttons for setting up and testing the billing system.

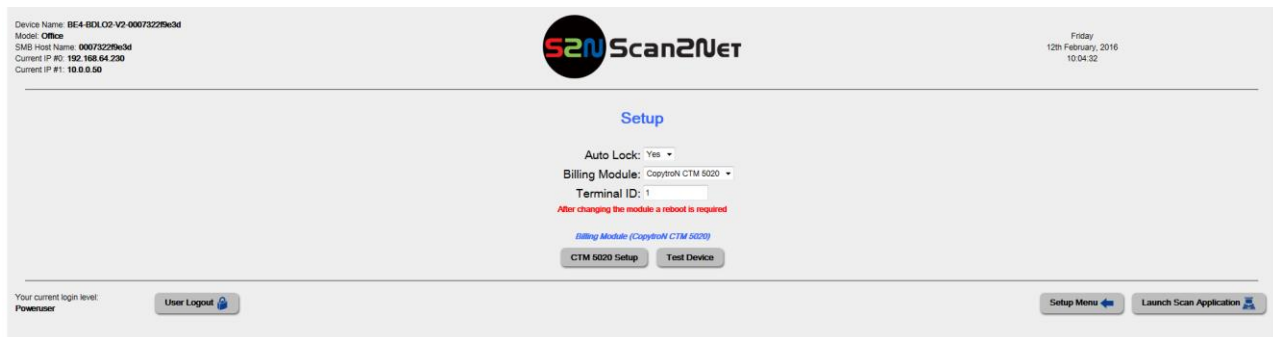


Fig. 28: CTM 5020 CA3030/3020 Interface

17.5. CTM Setup

Setup is used to configure the price level for the provided options. Price levels: A4; A4 Duplex; A3; A3; A3 Duplex; A4 Special Format; A4 Special Format Duplex; A3 Special Format; A3 Special Format Duplex are supported. The list can be printed with the “Print List” button.

The screenshot displays the 'CTM 5020 Setup' web interface. At the top left, system information is listed: Device Name: BE4-BDLO9-V2-00073229e3d, Model: Office, SMB Host Name: 00073229e3d, Current IP #0: 192.168.64.230, and Current IP #1: 10.0.0.50. The top center features the 'Scan2Net' logo. The top right shows the date and time: Friday, 12th February, 2016, 10:08:50. The main heading is 'CTM 5020 Setup'. Below it, the 'Price Level' section contains a list of configuration options, each with a dropdown menu:

- Scan: None
- Export to USB: A4
- Export to Mail: A4
- Export to FTP: A4
- Export to SMB: A4
- Export to Web: A4
- Print (A4): A4
- Print (A3): A3
- Print (A4, Color): A4 (Special Format)
- Print (A3, Color): A3 (Special Format)

At the bottom of the configuration list are two buttons: 'Print List' and 'Back'. The footer of the interface includes the text 'Your current login level: Poweruser' on the left, a 'User Logout' button in the center, and 'Setup Menu' and 'Launch Scan Application' buttons on the right.

Fig. 29: CTM Price Level Setup

17.6. Setting Prices with Copytron CTM5020 Modul

To activate the setup for setting prices on the CTM5020, open the front of the CTM5020 with the key.

Approximately in the middle, there are four keys.

Press the red key first, then hold the three keys „+“, „-“ and the yellow key until the display no longer changes.

With the „+“ and „-“ keys, change between the menu items. With the yellow key, you can select a menu. With the „+“ and „-“ keys, you can change the values in a selected menu.

Pressing the yellow key again moves you to the next menu item.

Press the red key to leave the menu.

A configuration example:

- Preiseinstellungen = price configuration
 - Preis A4 = price A4.....0,1
 - Preis A3 = price A3.....0,2

17.7. Test Device

This function is used to test the configured price levels. With the button „Charge ***“ you can test the accuracy of the price configuration.

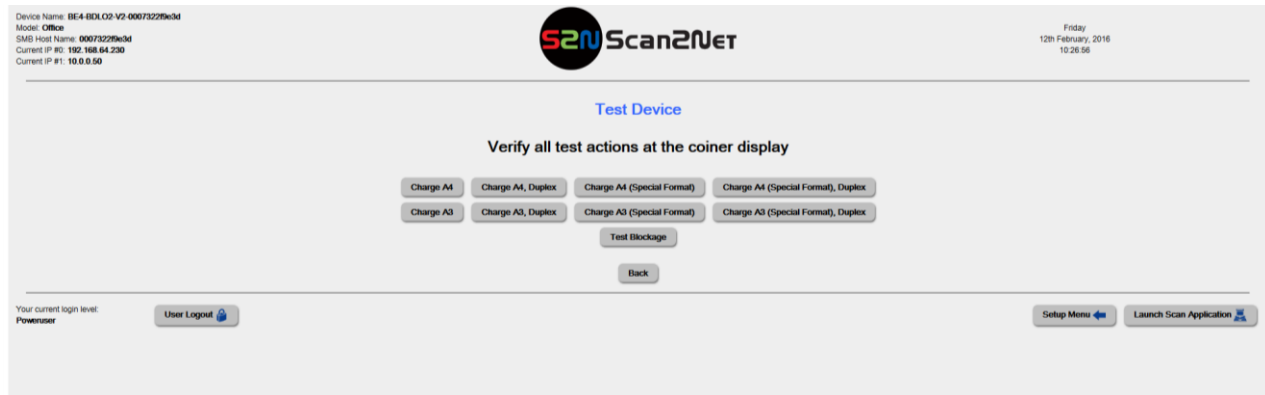


Fig. 30: Test Device

18. Set Up Billing Module Copytron CA3030/3020 IP Networking

18.1. About Copytron CA3030/3020

The Copytron CA3030/3020 is a debit card reader based on an IP communication.

18.2. Requirements

Scan2Net Keys: Journal/Billing Key

18.3. Compatible Applications

JAVA / HTML applications

18.4. Interface Menu

The following chapter describes each button of the Interface.

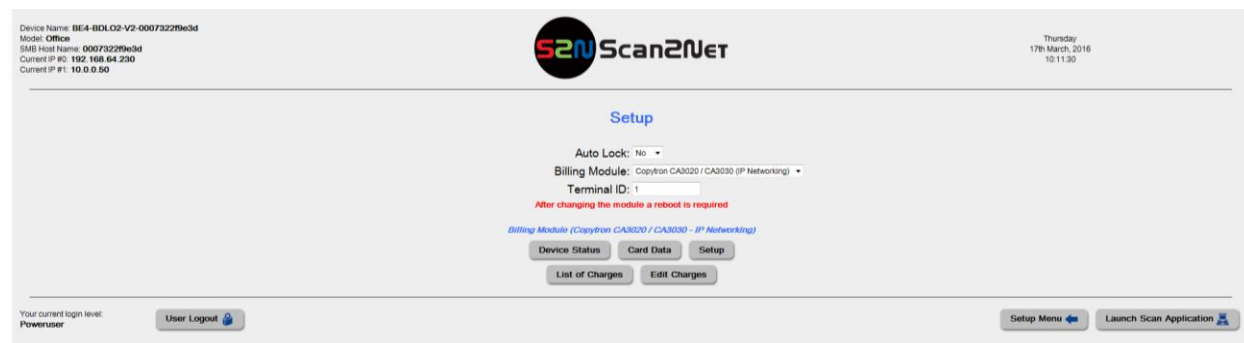


Fig. 31: CA3030/3020 Network Interface Menu

18.5. Device Status

The menu “**Device Status**” shows the device status information.

To print this information, click the “**Print List**” button.

If a card is inserted in the card reader, the line “**Device Status**” shows the current status.

Click the “**Logout & Eject Card**” button to close the menu “Device Status” windows and to return to the “Setup Menu”.



Fig. 32: Device Status

18.6. Card Data

Card Data displays information about “Card Type”; “Card Serial” and “Card Value”.

The card has to be inserted into the card reader to get the information.

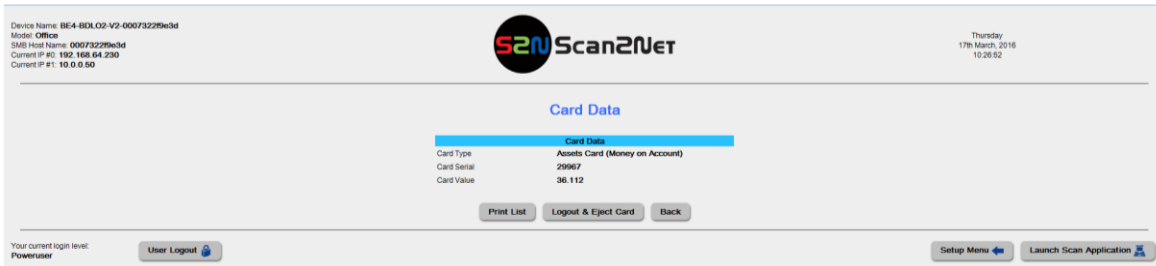


Fig. 33: Card Data

18.7. Setup

First, enter the IP address of the Copytron CA3030.

Click the link “**Communication Test**” to check the connection between the scanner and the billing module.

The screenshot shows the Scan2Net web interface. At the top left, device information is displayed: Device Name: BE4-BDL-02-V2-00073229e3d, Model: Office, SMI Host Name: 00073229e3d, Current IP #0: 192.168.64.230, and Current IP #1: 10.0.0.50. The top center features the Scan2Net logo. The top right shows the date and time: Thursday, 17th March, 2016, 10:31:49. The main heading is "Setup". Below it, a sub-heading reads "CA3030 / CA3030 (Network) Setup". A form contains an "Address" field with the value "192.168.64.232" and a link labeled "Communication Test". A "Back" button is positioned below the form. The footer includes "Your current login level: Poweruser", a "User Logout" button, a "Setup Menu" button with a dropdown arrow, and a "Launch Scan Application" button with a user icon.

Fig. 34: IP Setup

18.8. List of Charges

This list shows all provided options and the price per use.

To print this information, click the “[Print List](#)” button.

“[Edit charges](#)” opens a further menu where the costs for each listed action can be changed.

Click “[Back](#)” to return to the “Setup Menu”.

The screenshot displays the 'List of Charges' page for a Scan2Net device. The header includes device information (Device Name: BE4-BD6,02-V2-00073229e3d, Model: Office, SMB Host Name: 00073229e3d, Current IP #0: 192.168.64.230, Current IP #1: 10.0.0.50) and the Scan2Net logo. The page is titled 'List of Charges' and is divided into two sections: 'Exporting Charges' and 'Printing Charges'. Both sections show a list of services with their respective costs in EUR, all of which are currently set to 0,000. At the bottom, there are buttons for 'Print List', 'Edit Charges', and 'Back'. The footer shows the user's current login level as 'Poweruser' and provides links for 'User Logout', 'Setup Menu', and 'Launch Scan Application'.

| Exporting Charges | |
|-------------------|-----------|
| Scan: | 0,000 EUR |
| Export to USB: | 0,000 EUR |
| Export to Mail: | 0,000 EUR |
| Export to FTP: | 0,000 EUR |
| Export to Web: | 0,000 EUR |
| Export to SMB: | 0,000 EUR |

| Printing Charges | |
|--------------------|-----------|
| Print (A4): | 0,000 EUR |
| Print (A3): | 0,000 EUR |
| Print (A4, Color): | 0,000 EUR |
| Print (A3, Color): | 0,000 EUR |

Fig. 35: List of Charges

18.9. Edit Charges

Click the button **“Edit Charges”** in order to define the costs for your provision options.

Please edit the currency, decimal mark and the VAT for your country.

The buttons +/- 0,01, 0,10 and 1,00 allow you to increase or decrease the charges for the offered options.

Click the **“List of Charges”** button in order to return to the former menu.

The button **“Print List”** prints the list as displayed on the screen.

Device Name: BE4-BDL02-V2-00073229e3d
Model: Office
SMB Host Name: 00073229e3d
Current IP #: 192.168.64.230
Current IP #: 10.0.0.50

Scan2Net

Thursday
17th March, 2016
10:44:06

Edit Charges

| | +1,000 | +0,100 | +0,010 | +0,001 | 0,000 | -0,001 | -0,010 | -0,100 | -1,000 |
|--------------------|--------|--------|--------|--------|-------|--------|--------|--------|--------|
| Currency: | EUR | | | | | | | | |
| Decimal Mark: | 0,000 | | | | | | | | |
| Scan: | +1,000 | +0,100 | +0,010 | +0,001 | 0,000 | -0,001 | -0,010 | -0,100 | -1,000 |
| Export to USB: | +1,000 | +0,100 | +0,010 | +0,001 | 0,000 | -0,001 | -0,010 | -0,100 | -1,000 |
| Export to Mail: | +1,000 | +0,100 | +0,010 | +0,001 | 0,000 | -0,001 | -0,010 | -0,100 | -1,000 |
| Export to FTP: | +1,000 | +0,100 | +0,010 | +0,001 | 0,000 | -0,001 | -0,010 | -0,100 | -1,000 |
| Export to SMB: | +1,000 | +0,100 | +0,010 | +0,001 | 0,000 | -0,001 | -0,010 | -0,100 | -1,000 |
| Export to Web: | +1,000 | +0,100 | +0,010 | +0,001 | 0,000 | -0,001 | -0,010 | -0,100 | -1,000 |
| Print (A4): | +1,000 | +0,100 | +0,010 | +0,001 | 0,000 | -0,001 | -0,010 | -0,100 | -1,000 |
| Print (A3): | +1,000 | +0,100 | +0,010 | +0,001 | 0,000 | -0,001 | -0,010 | -0,100 | -1,000 |
| Print (A4, Color): | +1,000 | +0,100 | +0,010 | +0,001 | 0,000 | -0,001 | -0,010 | -0,100 | -1,000 |
| Print (A3, Color): | +1,000 | +0,100 | +0,010 | +0,001 | 0,000 | -0,001 | -0,010 | -0,100 | -1,000 |

List of Charges Print List Back

Your current login level:
Poweruser

User Logout

Setup Menu Launch Scan Application

Fig. 36: edit Charges

19.Set Up Billing Module Cartadis TC11N

19.1. About Cartadis TC11N

Cartadis TC11N is a modern prepaid card system, which can be used with all standard copiers and printers. Devices which are outfitted with a Cartadis TC11N can only be used after a valid prepaid card is inserted. Each copy made reduces the credit available on the card until it is used up. Cartadis prepaid cards are formatted in a similar way as ATM and credit cards. The cards use a secure HICO technology and are available in two variations: as a prepaid card that can be reloaded with funds and as a disposable prepaid card, good for only the amount of money on the card. Both card types are delivered as blanks, meaning that the value information is added later, using an administration card on any TC11N. The administration card allows the system administrator access to all TC11N device settings as well as to load money on the card.

19.2. Requirements

Scan2Net Keys: Journal/Billing Key

Cartadis TC11N card reader

19.3. Compatible Applications

JAVA/HTML applications

19.4. Interface Menu

This menu shows you two additional buttons for setting up and testing the billing system.

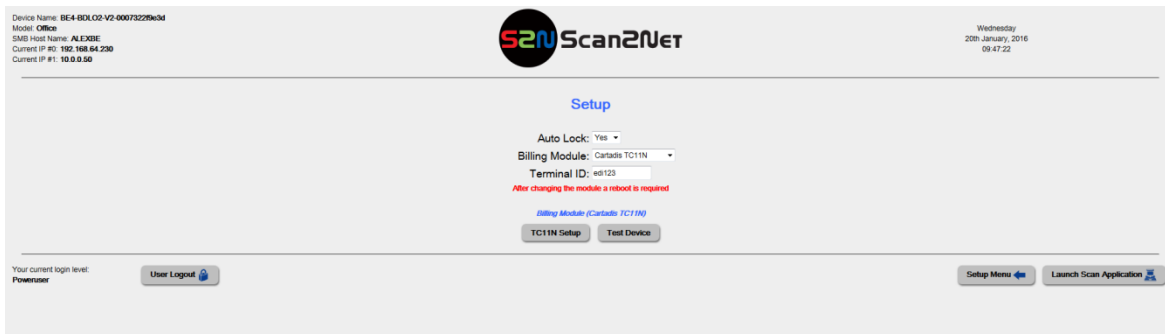


Fig. 37: Interface Menu

19.5. TC11N Setup

Setup is for configuring the price levels of the provided options. The supported price levels are visible in the drop down menu of the options. Click on the arrow to show the drop down menu.

The button “[Print List](#)” prints the list as displayed at the screen.

The Button “[Back](#)” returns to the “Setup Menu”

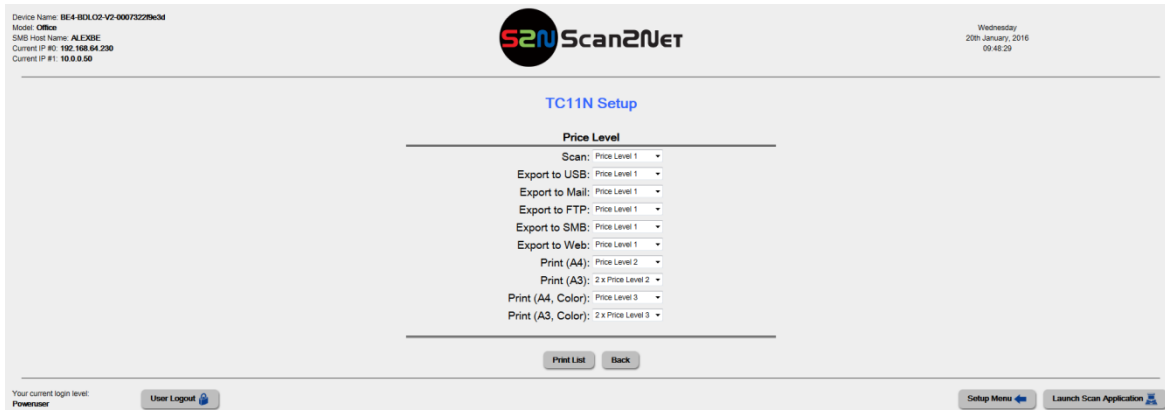


Fig. 38: TC11N Setup

19.6. Test Device

This menu is for testing the “[Price Level](#)”. Press the buttons to check the configured price levels.

A card with enough credits should be inserted in the card reader. The card reader will show you the value of the credits.

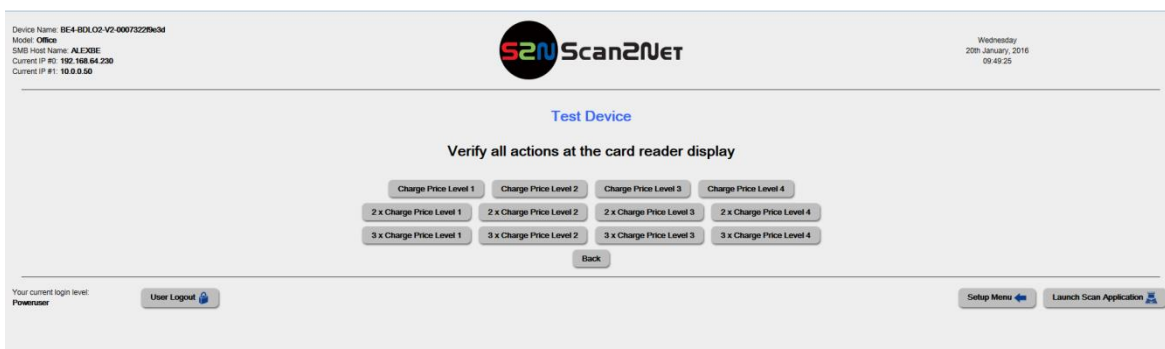


Fig. 39: Test Device

20.Setup Billing Module PaperCut

20.1. About PaperCut

The PaperCut billing solution is a network based server system, with a user identification via Mifare cards on the scanner.

20.2. Requirements

Scan2Net Keys: Journal/Billing Key

Card reader: 13.56MHz RFID Reader SL500

PaperCut MF Server

20.3. Compatible Applications

ScanWizard

20.4. Interface Menu

The following chapter describes each button of the Interface.

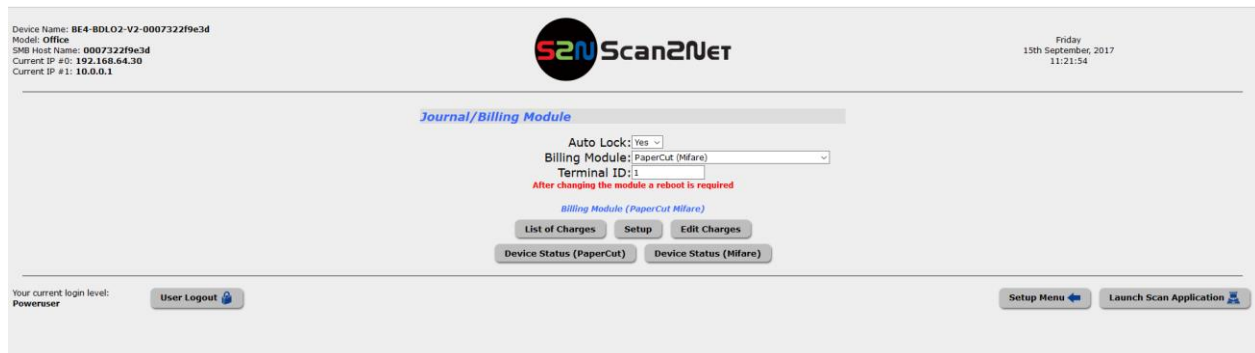


Fig. 40: Interface Menu

20.5. List of charges

This list shows all provided options and the price per use.

To print this information, click the “**Print List**” button.

“**Edit charges**” opens a further menu where the costs for each listed action can be changed.

Click “**Back**” to return to the “Setup Menu”.

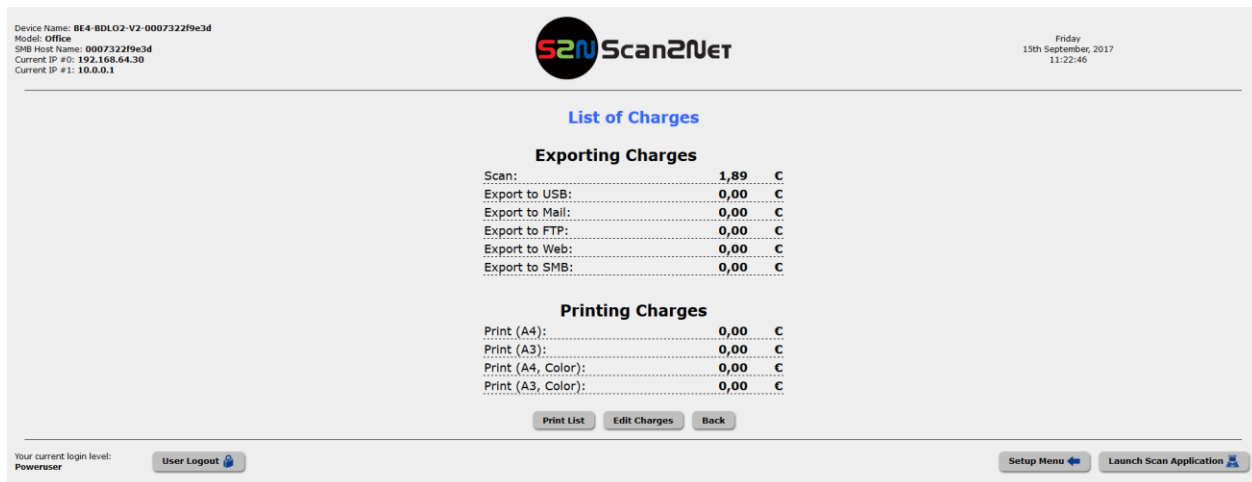


Fig. 41: List of Charges

20.6. Setup

- Address: : Enter the IP Address of the PaperCut Server
- Port: : Enter the communication Port of the connection
- Auth Token: : Enter the Auth Token of the PaperCut Server
- SMB Configuration: : Edit the SMB template with the "Setup" burron
- Communication Test: : Test the Communication to the PaperCut server

Click on the "Setup" button to edit your SMB template.

For more information about SMB configuration refer to the SMB FAQ.



Fig. 42: Setup

Info: The Port 9191 should be open in the firewall on the PaperCut server.

20.7. Edit Charges

Click the button **“Edit Charges”** to define the costs for your provision options.

Please edit the currency, decimal mark and the VAT for your country.

The buttons +/- 0,01, 0,10 and 1,00 allow you to increase or decrease the charges for the offered options.

Click the **“List of Charges”** button to return to the former menu.

The button **“Print List”** prints the list as displayed on the screen.

Device Name: BE4-BDLO2-V2-0007322f9e3d
Model: Office
SMB Host Name: 0007322f9e3d
Current IP #: 192.168.64.30
Current IP #: 10.0.0.1

Scan2Net

Friday
19th September, 2017
11:25:35

Edit Charges

| | | | | | | | |
|--------------------|-------|-------|-------|------|-------|-------|-------|
| Currency: | € | | | | | | |
| Decimal Mark: | . | | | | | | |
| Scan: | +1,00 | +0,10 | +0,01 | 1,89 | -0,01 | -0,10 | -1,00 |
| Export to USB: | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 | -1,00 |
| Export to Mail: | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 | -1,00 |
| Export to FTP: | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 | -1,00 |
| Export to SMB: | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 | -1,00 |
| Export to Web: | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 | -1,00 |
| Print (A4): | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 | -1,00 |
| Print (A3): | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 | -1,00 |
| Print (A4, Color): | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 | -1,00 |
| Print (A3, Color): | +1,00 | +0,10 | +0,01 | 0,00 | -0,01 | -0,10 | -1,00 |

List of Charges Print List Back

Your current login level: Powerser User Logout

Setup Menu Launch Scan Application

Fig. 43: Edit Charges

20.8. Device Status

Click the button **“Device Status (PaperCut)”** to check the connection between the scanner and the billing module.

Device Name: BE4-BDLO2-V2-0007322f9e3d
Model: Office
SMB Host Name: 0007322f9e3d
Current IP #: 192.168.64.30
Current IP #: 10.0.0.1

Scan2Net

Friday
19th September, 2017
11:26:05

Communication Test

http://192.168.168.124:9191

Ok

Back

Your current login level: Powerser User Logout

Setup Menu Launch Scan Application

Fig. 44: Communication Test

20.9. Device Status (Mifare)

Click on the button "**Device Status (Mifare)**" to check the connection of the card reader and show the card serial witch is recently on the reader.

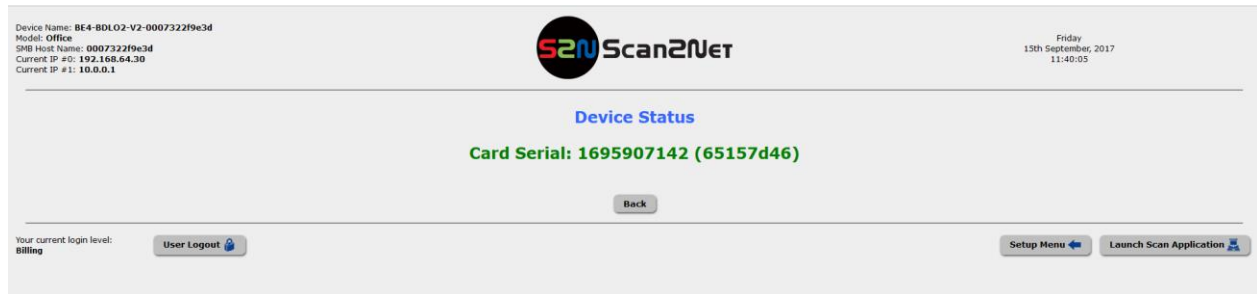


Fig. 45: Device Status Mifare

End of Document