



Gespage eTerminal Lexmark

Manual



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1. Introduction

The Lexmark eTerminal is a Gespage software module dedicated to Lexmark MFPs. This module uses the integrated touchscreen of the MFP.

This module enables an authentication at the MFP to provide the following functions:

- Secure release at the printer (Print2me).
- Tracking of the copying and scanning.
- Functionality of home scan to email or home directory.
- Access rights limitation to the MFP functions.
- Payment of copies / scans / prints if the user account is limited.
- Authentication on the MFP may be carried out by keypad or card.



1.1 Compatibility

Gepage eTerminal is compatible with all Lexmark MFPs (from LeSF 3.1 version) supporting embedded solutions.

For detailed information about supported models, it is recommended to consult **CartadisDB** tool.

Cartadis card readers providing a secured access to your systems, are compatible with all Lexmark MFPs that support a badge reader.

The card readers that can be connected are Cartadis card readers such as TCM3 or TCM4.



Cartadis or Lexmark support may inform you about the compatibility of your printer / MFP.

2. Configuration

2.1 Configuration on the MFP

Before configuring the MFP, the printer matching your MFP must first be configured on your Gespage server.

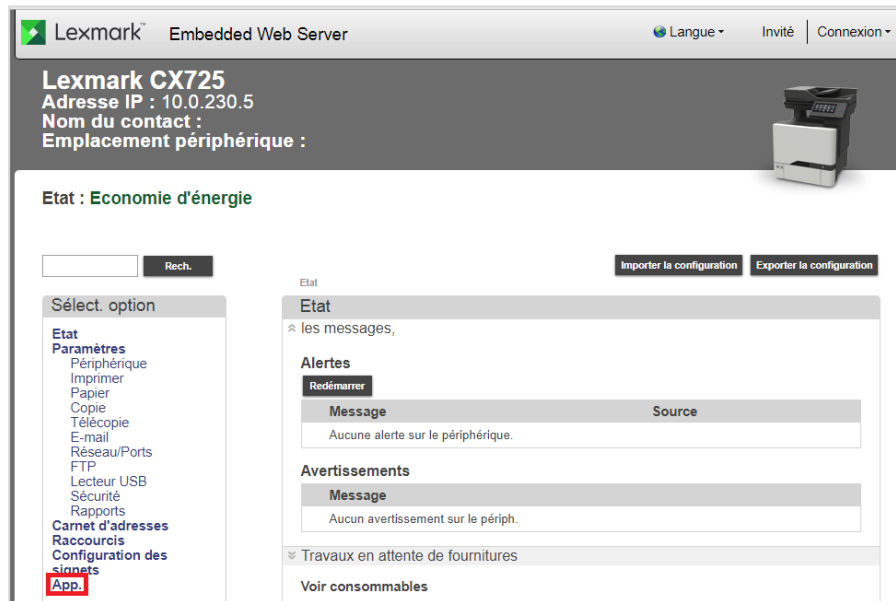
When configuring your MFP via the Web interface, it is recommended to check that the MFP is not turned off or on standby and that nobody is logged in on it.

The Web interface of your MFP is accessible by just entering its IP address in your browser.

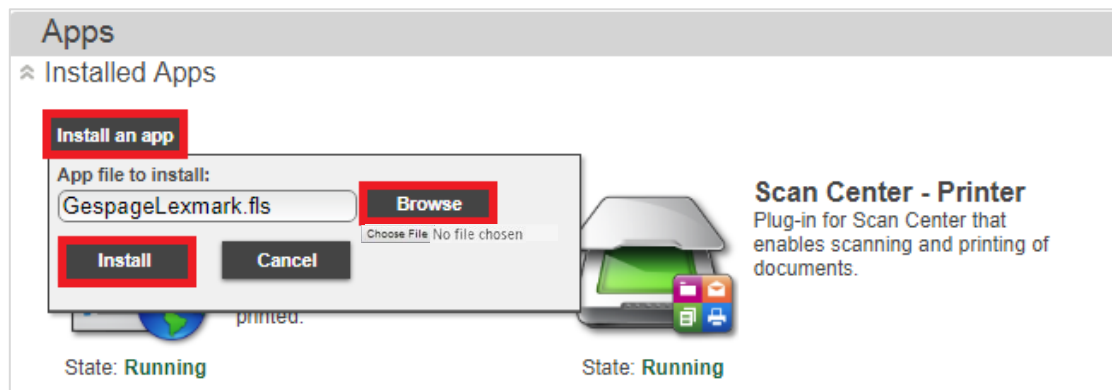
Once logged in, move to « Apps » in the « Select Option » menu.

ATTENTION: the path may differ depending on the devices:

- For generations 3, move to « Settings », then « Device Solutions » and « Solutions (eSF) ».
- For generations 4, move to « Settings », then « Apps » and « Apps Management ».

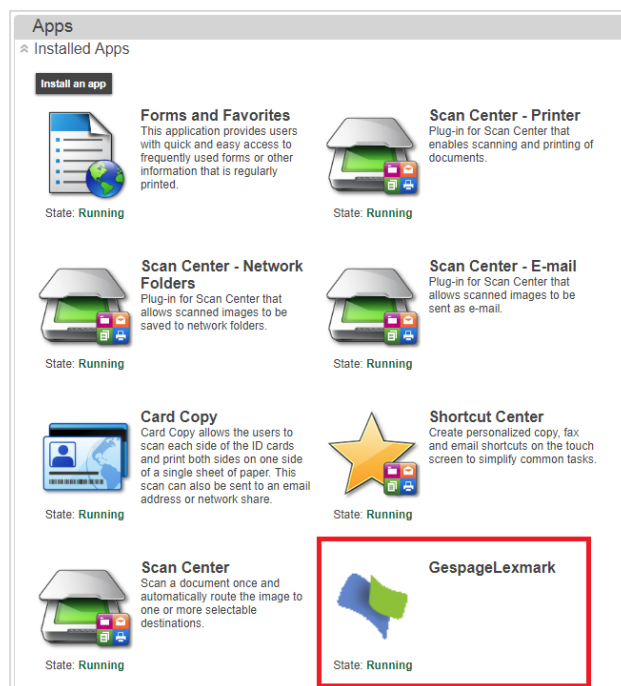


Click « Install an app ».



Click « Browse », then go and get the file « GespageLexmark.flis » in the installation directory « \GespageCore\server\resources\medias\lexmark » and click « Install ». (For ESF 3 or 4, select file GespageLexmark-lesf-3-4.flis).

Once the application is installed, it can be displayed in the Web interface. From « Apps » and « Installed Apps »:



Click « Gespage Lexmark », then « Configure » for setting the application.

- (1) Enter the Gespage server IP address.
- (2) The port must be set to 0 by default (corresponding to the use of Gespage standard ports).
- (3) To activate the secure mode, the SSL box has to be checked.

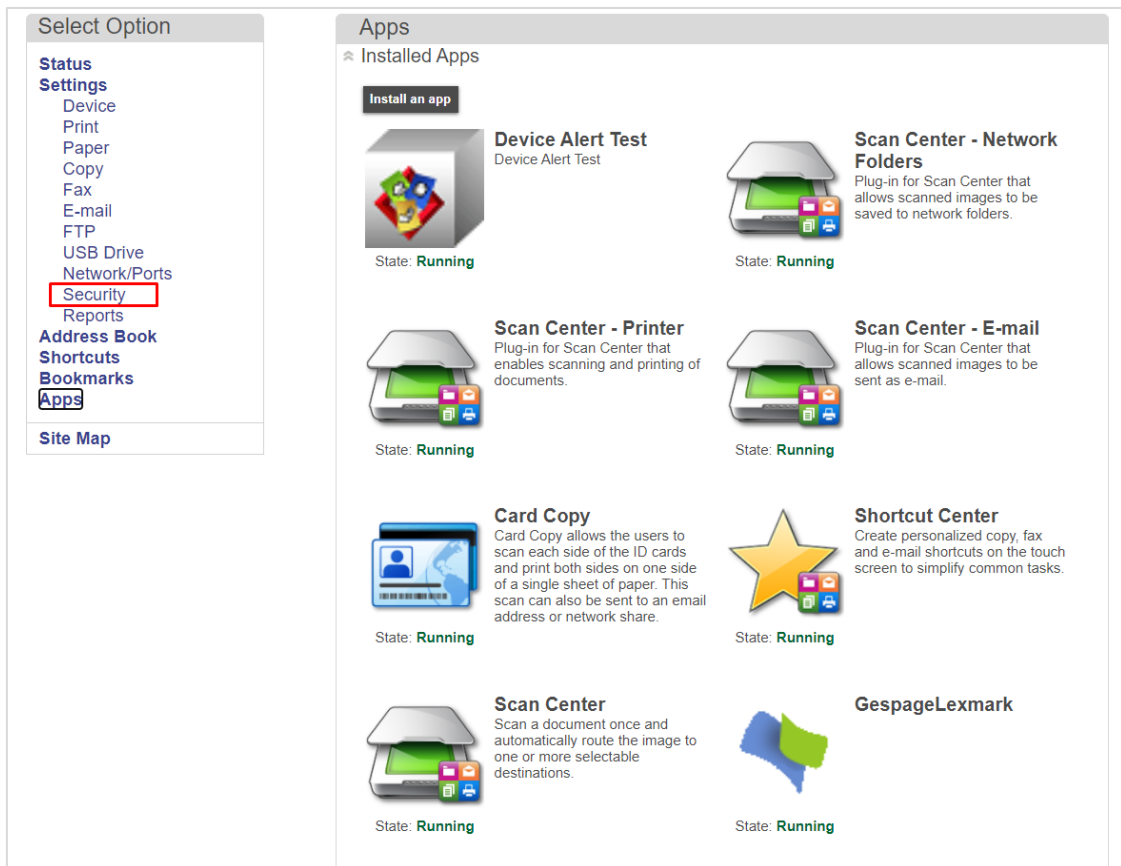
Click « Apply » to save this setting.

eTerminal Lexmark is now installed in your printer / MFP.

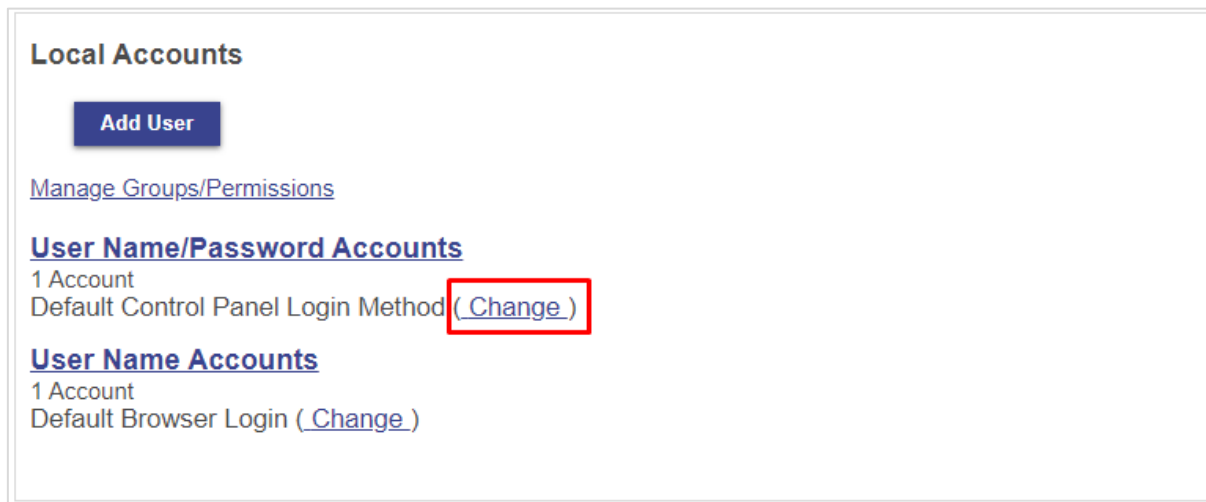
NOTE: For a large park, deployment tools may exist. Please contact Lexmark support for information. They require the .fls and .ucf files located in the installation directory « GespageCore \ server \ resources \ medias \ lexmark ».

ATTENTION: the file « Gespagelexmark.ucf » is an example, it should be modified according to your installation.

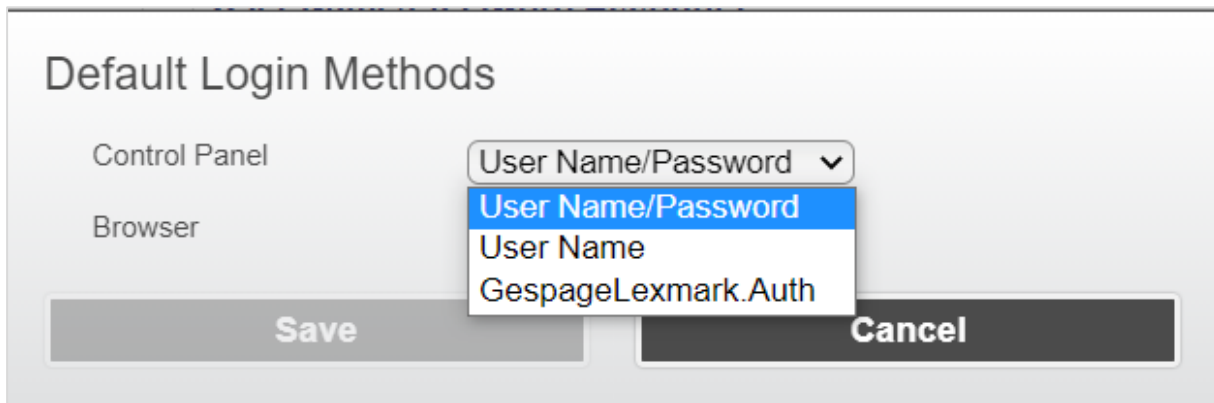
Once the application is installed, in the « Select. Option », click «Security ».



Click on « (Change) » to set the default connection method.



Select «GespageLexmark.Auth ».



Default Login Methods

Control Panel

Browser

User Name/Password ▼

User Name/Password

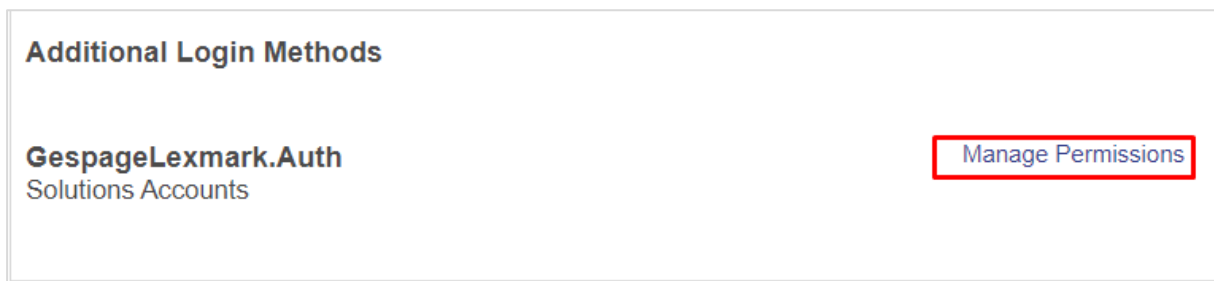
User Name

GespageLexmark.Auth

Save

Cancel

Once the connection method has been defined, in « Additional Login Methods » « GespageLexmark.auth», user authorisation can be managed.



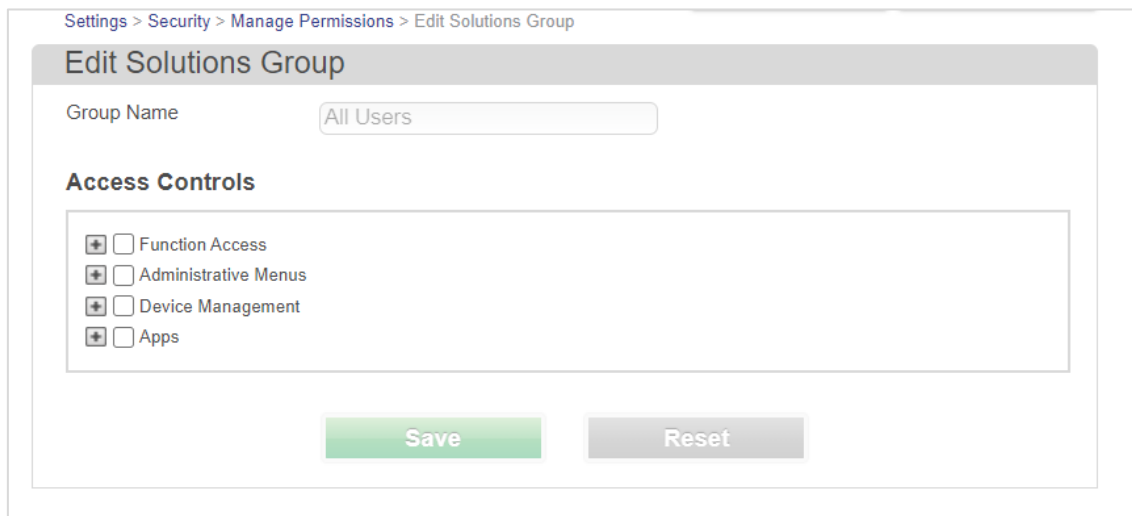
Additional Login Methods

GespageLexmark.Auth

Solutions Accounts

Manage Permissions

Make sure that all the boxes are unchecked.



Settings > Security > Manage Permissions > Edit Solutions Group

Edit Solutions Group

Group Name

All Users

Access Controls

☐ Function Access

☐ Administrative Menus

☐ Device Management

☐ Apps

Save

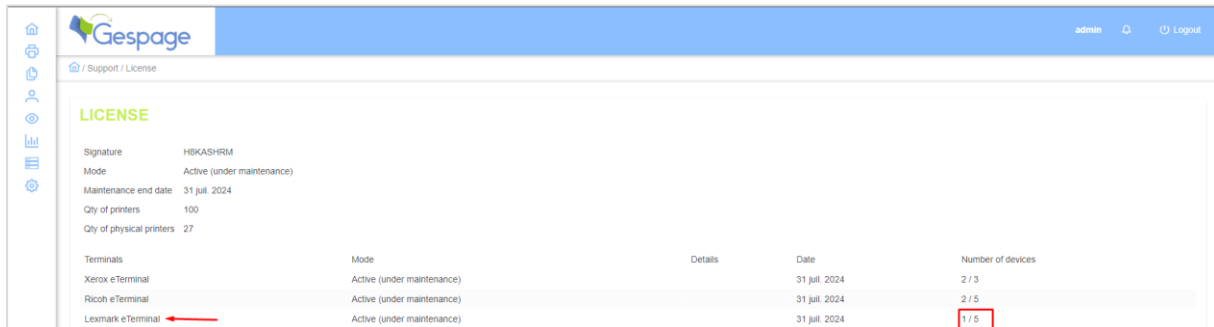
Reset

2.2 Gespage configuration

2.2.1 General

2.2.1.1 Licences

Make sure that the licences wished are available. From *Server / Support / Licence*, information about your Gespage Server and the licences bought are available. An eTerminal can be installed only if you have the Lexmark eTerminal associated licence or if your server is in demo mode.



LICENSE	
Signature	HBKASHRM
Mode	Active (under maintenance)
Maintenance end date	31 juli. 2024
Qty of printers	100
Qty of physical printers	27

Terminals	Mode	Details	Date	Number of devices
Xerox eTerminal	Active (under maintenance)		31 juli. 2024	2 / 3
Ricoh eTerminal	Active (under maintenance)		31 juli. 2024	2 / 5
Lexmark eTerminal	Active (under maintenance)		31 juli. 2024	1 / 5

After supply, a new licence is saved by just uploading and validating.

2.2.1.2 Network flows

Lexmark eTerminal communicates with Gespage service on the following ports:

- Gespage on Premise: HTTPS custom port 7181
- Gespage Stratus : HTTPS standard port 443

2.2.2 Configuration of an eTerminal

After deployment of Gespagelexmark.flx, Lexmark eTerminal will register on your server (subject to an available licence and activation of the « automatic recording » function, see §2.2.4).

It is accessible by moving to *Printers/Terminals/List of Terminals*. Your eTerminals are in « Lexmark » tab.

The screenshot shows the 'Edit a Lexmark Terminal' configuration page in the Gespage web interface. The breadcrumb trail is 'Printers / Terminals / Add eTerminal / Edit a Lexmark Terminal'. The 'General parameters' tab is selected, displaying the following configuration options:

- NAME** (Section Header)
- Name:** lexmark_75280020G4YP9
- Serial number:** 75280020G4YP9
- Comments:** (empty text area)
- Reader profile:** - (dropdown menu)
- Public mode:** ☒ Disabled, ☐ Enabled
- Print job release:** ☒ Manually, ☐ Automatically
- Manual releasing condition:** ☐ All jobs are automatically released after user login, ☒ Jobs are released after a keyboard selection
- Enable Operator release:** ☐
- Allow to change job properties:** ☐ (depending on printer driver or printer version)
- Last connection:** 7/26/23, 12:44 PM
- Status:** NORMAL : version: © Gespage (FLS 7.0.0.0 20230404-7343c7fa), 26/07/2023 12:44:15
- Comments:** © Gespage (FLS 7.0.0.0 20230404-7343c7fa)

Your eTerminal will have a name that includes the serial number of your printer / MFP. By clicking on it, you can see its name, serial number, add a comment and set the print release policy.

NOTE: You will find the serial number in the Web interface of your machine from *Report/Stat. Peripheral* from *Printer/ serial n°*.

2.2.2.1 eTerminal Identification

Name

Gespage will automatically enter the eTerminal name. It can be changed but there cannot be two identical names.

Serial number

Gespage will automatically enter the serial number of your printer / MFP.

Comments

Comments are optional.

Reader profile

Name of a reader profile associated with the card reader (see Gespage manual). The reader profile is an advanced parameter useful when non-standard card readers have to be connected or when the numbers of the cards stored on Gespage do not match the standard format.

Public mode

This parameter enables a “Public” button to be activated on the login screen of the eTerminal for accessing certain MFP functionalities in free access.

- 1. Disabled**

Disables the public mode.

- 2. Enabled**

Enables the public mode.

ATTENTION: In addition to this parameter enabling, a Gespage user account must be defined for the definition of functionalities authorized to the public mode (**public** user account to add by default, configurable via the `conf_public_username` advanced parameter).

2.2.2.2 Release of prints

Print job release

Indicates whether prints sent to the MFP are locked as long as the user is not identified.

- 1. Manually (secure print/Print2me function)**

The user must always authenticate to recover his documents. This is the configuration to choose for getting a secure print.

- 2. Automatically**

The documents are printed as soon as they are received if the user’s credit is sufficient, they are nevertheless accounted.

Manual releasing condition

In case of manual release of printings, this parameter indicates whether all printings are automatically released, or the user can select the ones that he wishes to release.

- 1. All jobs are automatically released after user login**

After authentication of the user, all his pending prints will be released.

- 2. Jobs are released after a keyboard selection**

Once the user is identified, a scrolling list shows to the user all his prints in the queue and the opportunity of their release is proposed to him.

Enable Operator release

This parameter enables operator printing at the MFP. Operator printing enables documents of other users to be released for certain authorized users (executive secretary, reprographic service) see the Gespage manual.

To set the operator accesses at user account level, please refer to the Gespage manual.

Parameters for enabling embedded release options (available according to driver)

The following settings enable release options on the eTerminal.

These parameters must be set in accordance with the printing policy and the default driver configuration.

These forcings at the eTerminal level indeed aim to facilitate the selection of printing options for users and avoid them to use the more complex parameters of the driver.

ATTENTION: The availability of forcings may depend on the driver.

After filling in all the fields, click « Approve » to save the eTerminal.

2.2.2.3 Advanced parameters

This tab gives access to some technical features of some functionalities:

- **filter_ip_enable :**
Set to « true », the eTerminal refuses prints from an IP address different of Gespage server.
- **polling_timeout :**
Time in seconds after which the eTerminal refreshes with the server during inactivity periods.
- **prompt_timeout :**
Timeout in seconds after which the eTerminal comes back to the login page during a no activity.
- **force_home_menu :**
Set to « true », the user will be automatically redirected to the home screen.
It is recommended to set it to « true » for generations 3.
- **force_locale :**
Set the device language to the one specified in Parameters.
ATTENTION: the language has to be set by using the ISO_639_1 list code
(Ex: fr -> french, en -> english, de -> german etc...).
- **enabled_MFP_features:**
This parameter specifies the list of functions authorized by Gespage. These functions are represented by numbers. They concatenate by « , ».
The list of available constants is as follows (which can be enabled / disabled): 7 (Change language)
 - 8 (Supplies menu)
 - 10 (Paper menu)
 - 12 (Reports menu)
 - 14 (Settings menu)
 - 16 (Network ports menu)
 - 18 (Manage shortcuts)
 - 27 (Copy)

- 30 (Email function)
- 32 (Fax Print)
- 33 (FTP function)
- 34 (Held Jobs)
- 35 (Profiles)
- 36 (Shortcuts function)
- 37 (Bookmarks)
- 76 (Cancel jobs)
- 79 (Secure IPP printing)
- 83 (Device menu)
- 85 (Grayscale print permissions)
- esf.ezForms.ezformsFAC (3rd party app: Forms and Favorites)
- esf.cardCopy.cardCopyFAC (3rd party app: Card).

The screenshot shows the 'Gespape' web interface for configuring a Lexmark eTerminal. The breadcrumb trail is: Printers / Terminals / Add eTerminal / Edit a Lexmark Terminal. The 'Advanced parameters' tab is active, displaying a table of parameters:

Name	Value
debug_mode	false
filter_ip_enable	false
force_locale	none
polling_timeout	180
prompt_timeout	30

Below the table is a 'Delete' button. At the bottom, there is a section titled 'ADD NEW PARAMETER' with input fields for 'Name' and 'Value', and an 'Add' button.

2.2.3 Configuration of an eTerminal

If necessary, you can create your eTerminal on your own, without waiting the automatic creation of Gespage.

To add the eTerminal in Gespage, move to *Printers/Terminals/Add Terminal/Add eTerminal/Lexmark*. Then configure the settings (see § 2.2.2.1).

2.2.4 eTerminals general configuration

In the Lexmark eTerminals general configuration, set up the parameters to be applied to all Lexmark eTerminals on the site.

It is accessible from *Printers/Terminals /General configuration / eTerminal configuration /Lexmark*.

The main parameters are described hereafter:

The screenshot displays the 'Edit Lexmark configuration' page for a Lexmark eTerminal. The interface is divided into three main sections:

- General parameters:**
 - AUTHENTICATION METHOD USED WITH CARTADIS TERMINAL:**
 - Allowed logins: Card and keyboard (selected), Card only, Keyboard only.
 - For a card login: Card without password (selected).
 - For a keyboard login: Input of account and password (selected).
 - Allow alternative keyboard login: ☐.
 - CARD ASSOCIATION PARAMETERS:**
 - Association card ID to user: Done by the administrator (selected), Done by the users.
 - USER SESSION PARAMETERS:**
 - View the Gespage home page: ☐.
 - Don't show pending jobs page after login: If job list is empty (selected).
 - Allow pending jobs auto selection: ☒.
- ADVANCED SCANS SETTINGS:**
 - Color Mode: Full color (selected).
 - Resolution: 300 (selected).
 - Single / 2-Sided: Single (selected).

At the bottom of the configuration page, there is an 'Approve' button and a copyright notice: © 2000-2023 - Gespage.

Allow to self-register

This parameter enables the automatic registration of the eTerminal at its first connection to the Gespage server.

Authentication method used with Cartadis terminal

For a keyboard login

Parameters dedicated to a user login on the keyboard.

Input of Gespage account only:

The user will only enter his Gespage login.

Input of account and password:

The user will enter his Gespage login and his password.

Input of the print code:

The user will enter his print code.

Allowed logins

This parameter is used to select the peripheral for login.

- 1. Card and keyboard**

The user login can be done by card or keyboard. If no card reader is connected, keyboard login is the only option.

- 2. Card only**

The keyboard will be disabled. The MFP will only use the card reader peripheral to log the user.

- 3. Keyboard only**

The card reader peripheral will be disabled. Keyboard login is the only option.

Allow alternative keyboard login (Input of account and password)

This parameter enables two keyboard login modes to be activated on the MFP at the same time (login enabled by user / password in addition to the print code).

Association type

This parameter enables the authentication mode to be configured when associating a card.

- 1. Input of Account and Password**

The user will enter his Gespage login and his password.

- 2. Input of the print code**

The user will enter his print code.

Card association parameters

Association card ID to user

At the first user's card use and if the card number is not known by Gespage, a method of association of the card must be defined. It enables the number of the user's card to be stored in Gespage account. This association only applies at the first card insertion.

- 1. Done by the users**

When a user uses an unknown card, he will have the possibility of entering his login/password at the menu which normally displays pending prints. The card self-association will be required only once during the card life time.

- 2. Done by the administrator**

All card numbers of users have to first be configured in Gespage. The initialization can be carried out by the administrator or by the LDAP synchronization mechanism

User session parameters

Allow pending jobs auto selection

This parameter enables all pending prints to be automatically selected during login.

View the Gespage home page

This parameter enables the Gespage homepage to be displayed for using the Gespage scan function. If Gespage home page is disabled, the following parameters are available:

Don't show pending jobs after login

If job list is empty: skips over the Gespage screen of pending prints during login if there is no pending print.

Application for copy

This setting sets the copy menu:

- Native Lexmark: Lexmark model copy menu.
- External: use of the third-party copy application (if installed on the MFP).

Advanced scans settings

Resolution: sets the default value for the scan resolution. The possible values are 150, 200, 300, 400 or 600 (dpi).

Color: sets the default value for using color.

Single: sets whether the scan is duplex or not by default.

3. Use

3.1 Examples of user menus

3.1.1 User login

The user must authenticate to access to the MFP services. After authentication, the user has a direct access to his pending prints. If he wishes to switch to another service, he has to select « Home » in the eTerminal page.





Disconnection is carried out with the « Home » key of the printer/MFP or by passing a card.



Home Screen

Welcome






LOGIN CREDENTIALS

Username

Password


Approve




© Gespage (FLS 7.0.0.0 20230404-7343c7fa)

Login by print code


Welcome



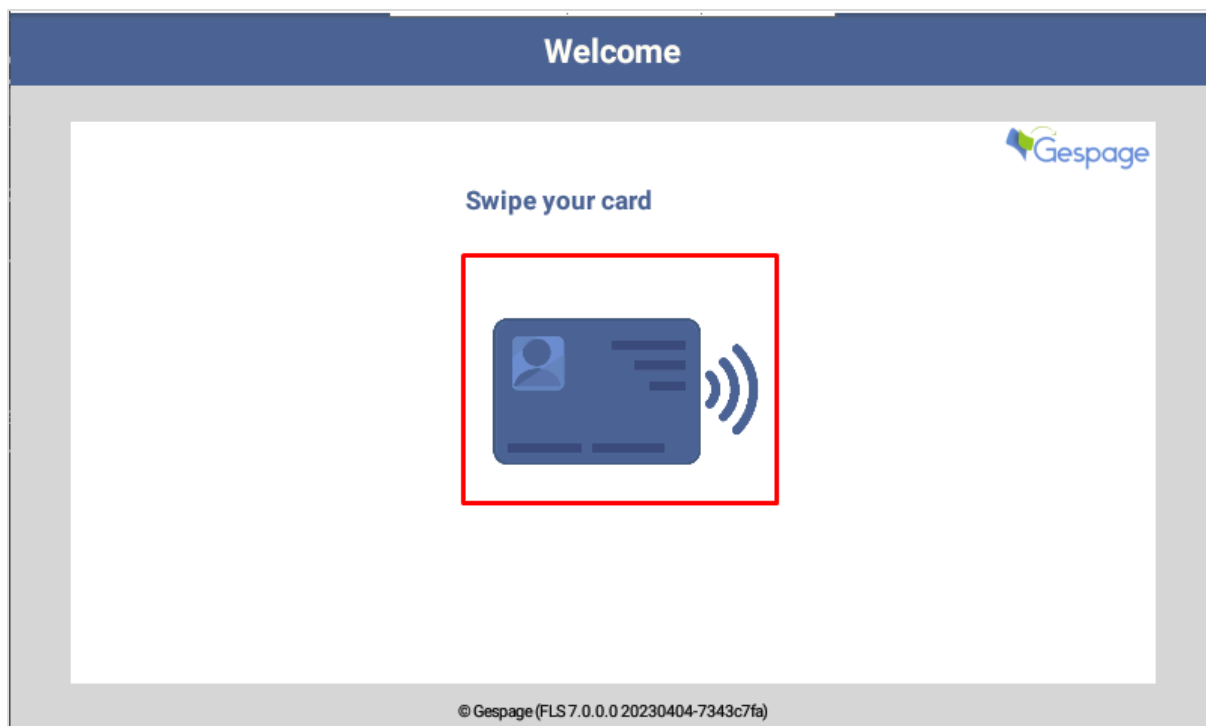


Print code

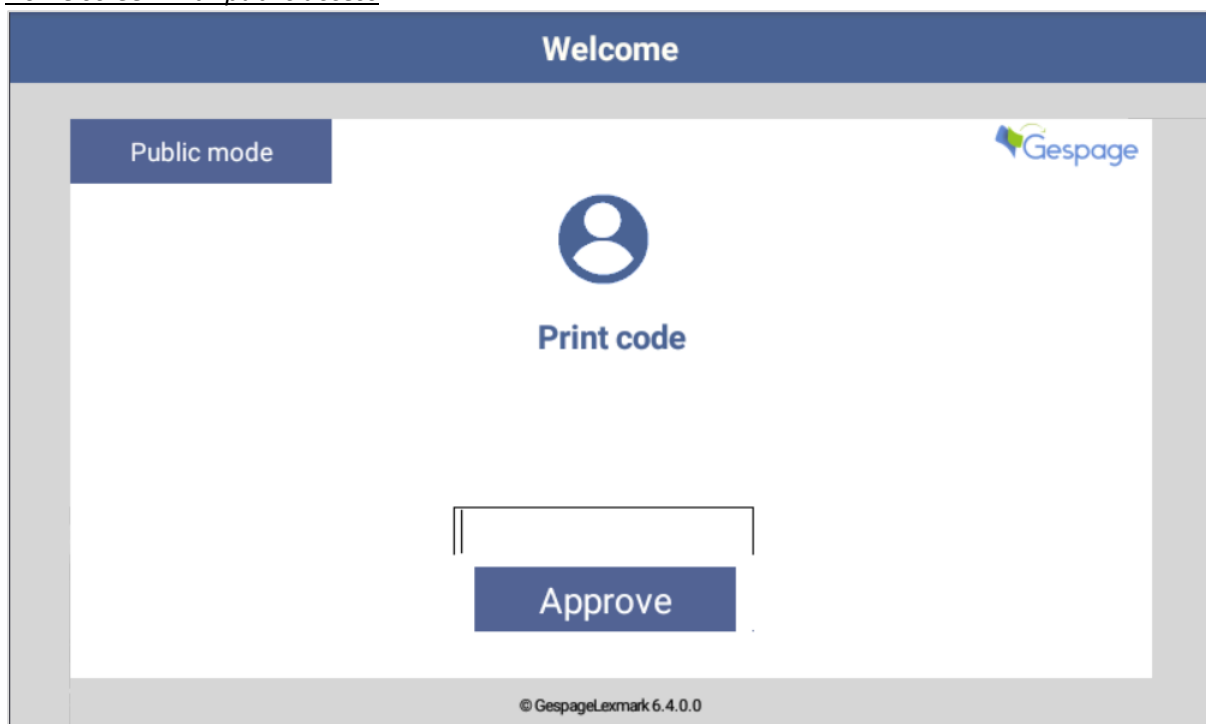
Approve



© Gespage (FLS 7.0.0.0 20230404-7343c7fa)

Login by card

When the card login is selected, the logo with the hand and the contactless card is displayed. If not, it means that the login can only be done via the keyboard.

Home screen with public access

The public access may be enabled for accessing certain functions of the peripheral without user login (for example B&W copy). It is made by using the « Public mode » button.

Card association

Perform a standard keyboard login after having passed the new card.

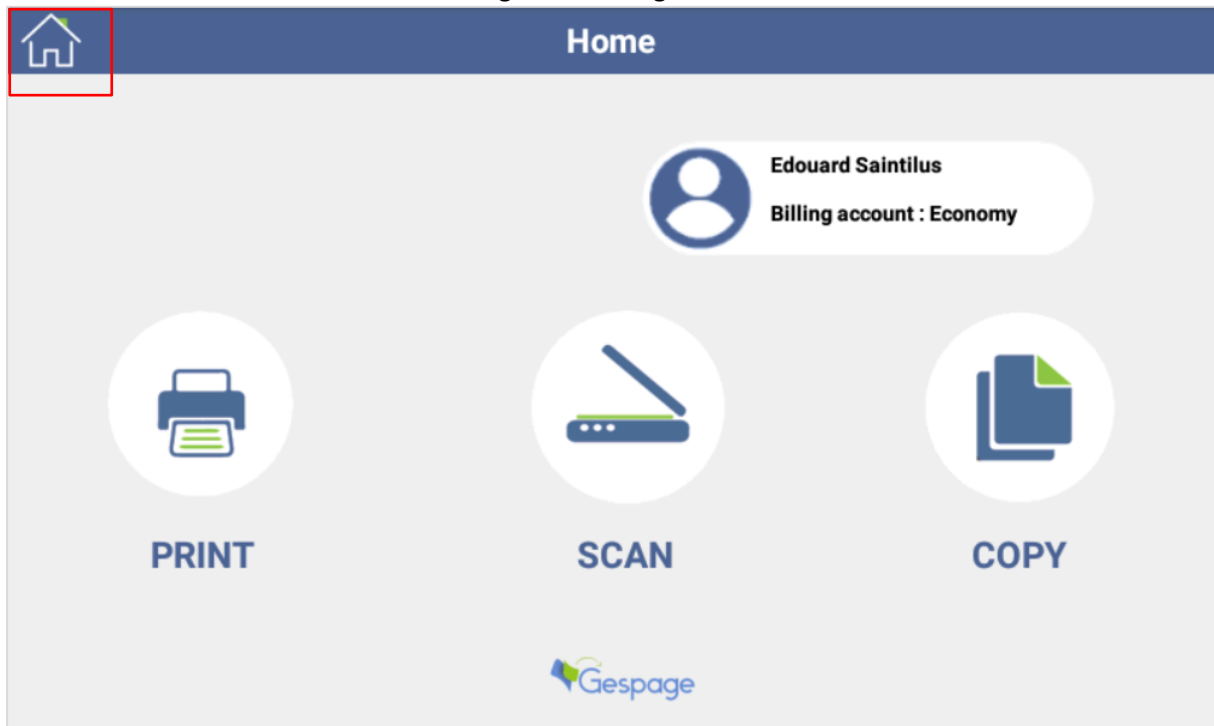


The screen displays the 'User's card association' interface. At the top, a blue header bar contains the title 'User's card association'. Below this, a white central area features the Gespage logo in the top right corner. In the center, there is a graphic showing a blue card icon with an arrow pointing to a green question mark icon. Below the graphic, the text 'CARD ASSOCIATION' is displayed in bold, followed by 'Print code' in a smaller font. A white rectangular input field is positioned below the text. At the bottom of the white area, there are two blue buttons labeled 'Back' and 'Approve'. A small copyright notice '© Gespage (FLS 7.0.0.0 20230404-7343c7fa)' is visible at the very bottom of the screen.

3.1.2 Gespage home page

After user's login, this page is displayed to facilitate the customer journey.

NOTE: This menu must be enabled in the general configuration of Lexmark terminals.



The screen displays the 'Home' page. A blue header bar at the top contains a home icon (a house with a green roof) on the left and the word 'Home' in the center. Below the header, a white rounded rectangle displays the user's name 'Edouard Saintilus' and the billing account 'Billing account : Economy'. Below this, there are three large circular icons: a printer icon labeled 'PRINT', a scanner icon labeled 'SCAN', and a document icon labeled 'COPY'. The Gespage logo is located at the bottom center of the screen.

The following options are available to the user:

- "PRINT" button: redirect to the Gespage print release page.
- "SCAN" button: redirect to the Gespage scan menu.
- "COPY" button: redirect to the copy menu of the MFP.
- "HOME" button (top left): redirect to the main menu of the MFP.

3.1.3 Release of prints

Pending prints can be selected and printed or deleted from the screen for release of prints.

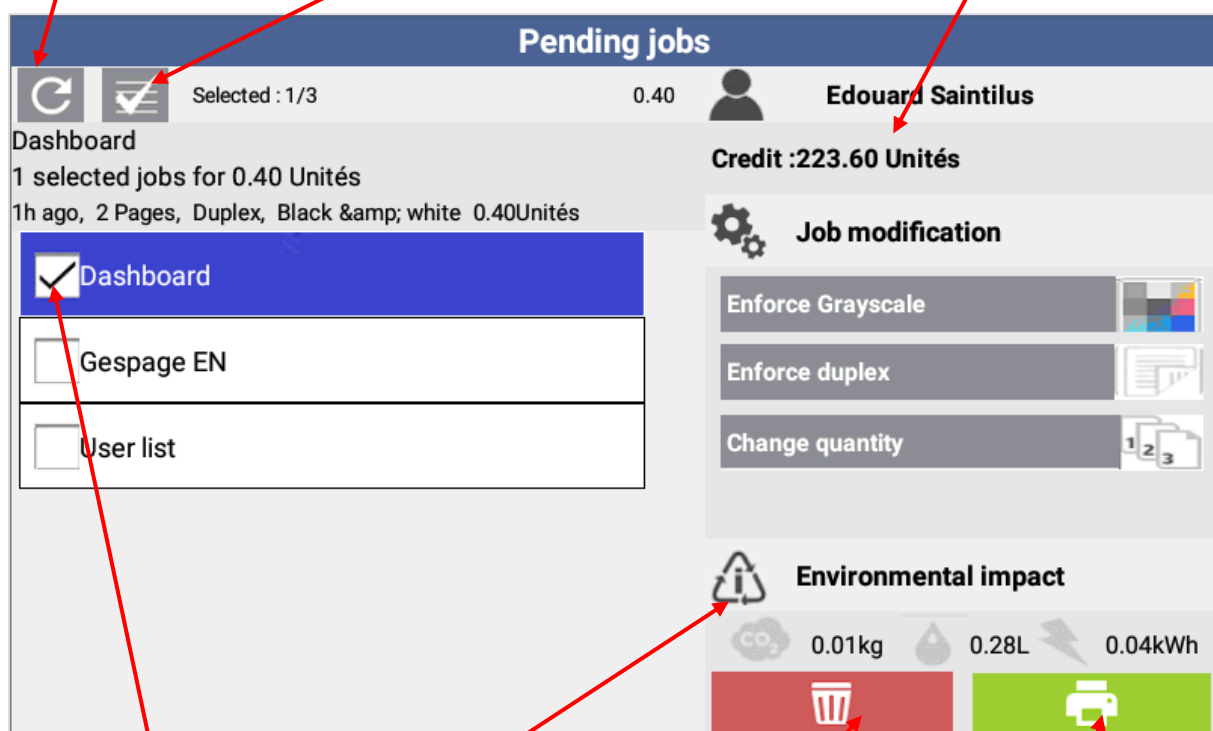
After login, if the user has no pending print, he will arrive directly to the screen of Lexmark Services.

Pending prints

Page refreshing

Selection/Deselection of all documents

User credit



Access to environmental information of the selected document

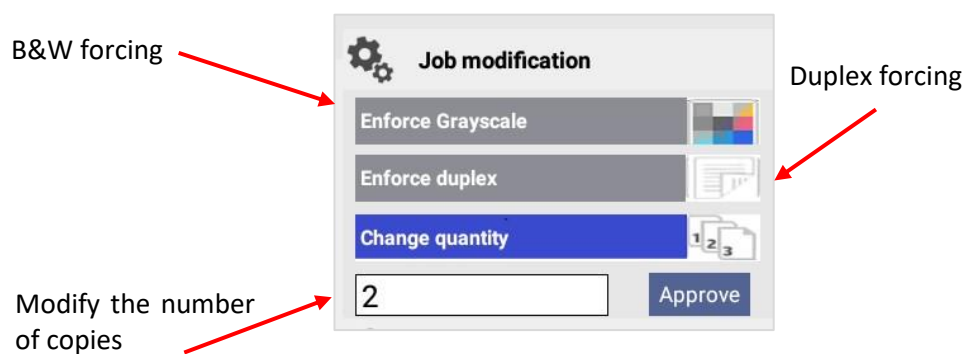
Printing of the selected documents

Deletion of the selected prints

To select / deselect its pending prints, click the corresponding line (s)

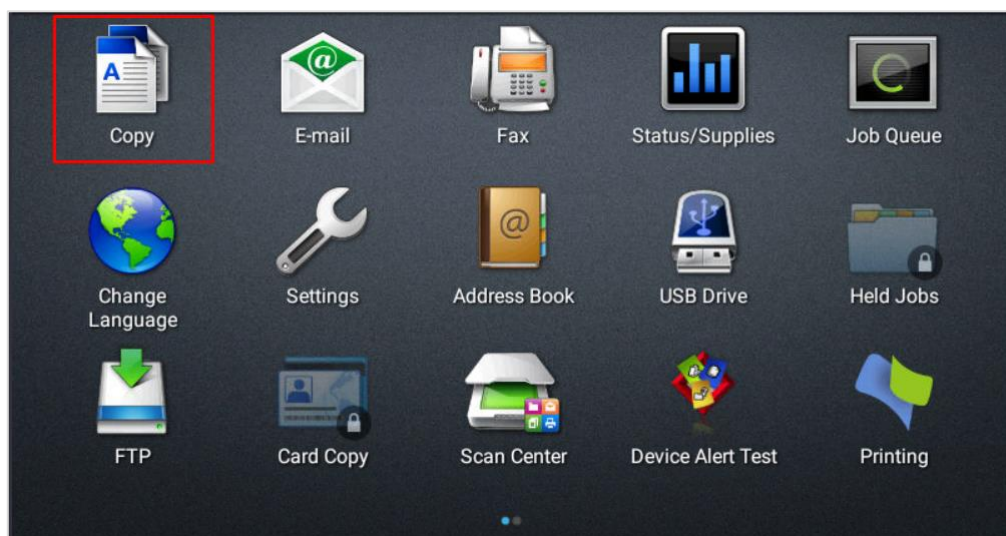
The cost of printing will automatically appear in the description on the right side of the screen.

Forcing keys enable the printing to be changed:



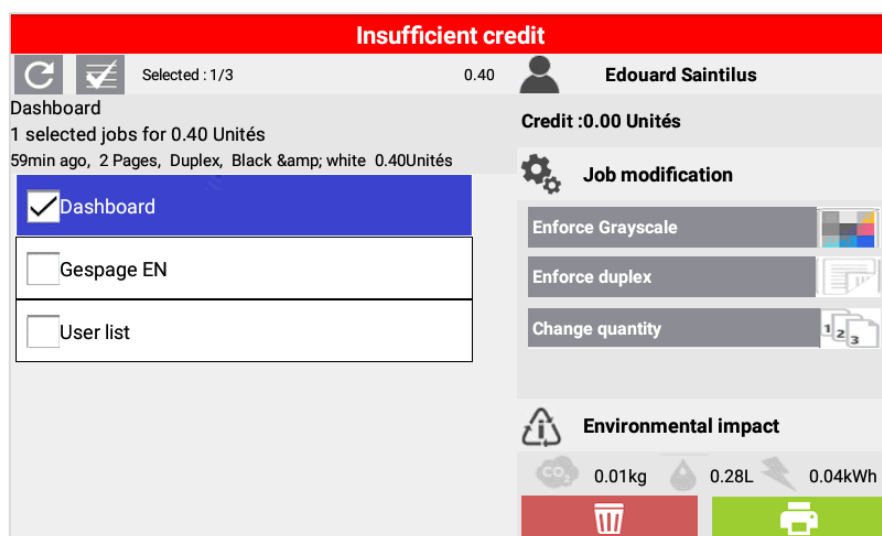
Moving to the copy service

Pressing the « Home » key of the eTerminal or the MFP moves from « Pending prints » to other services.



If an error occurs, the eTerminal will inform the user with a specific message.

Example of a user having an insufficient credit



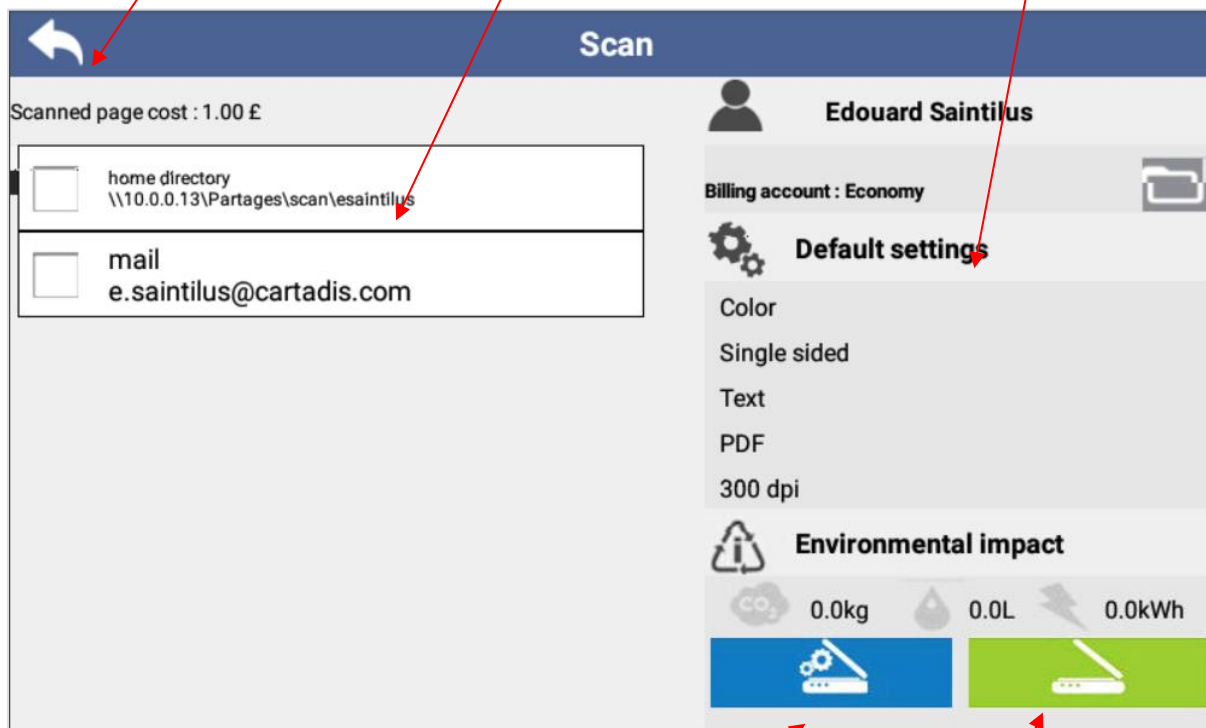
3.1.4 Gespage scan screen

The Gespage scan menu is accessible from the "Scan" menu of the home page.

Back button to move back to the Gespage home menu

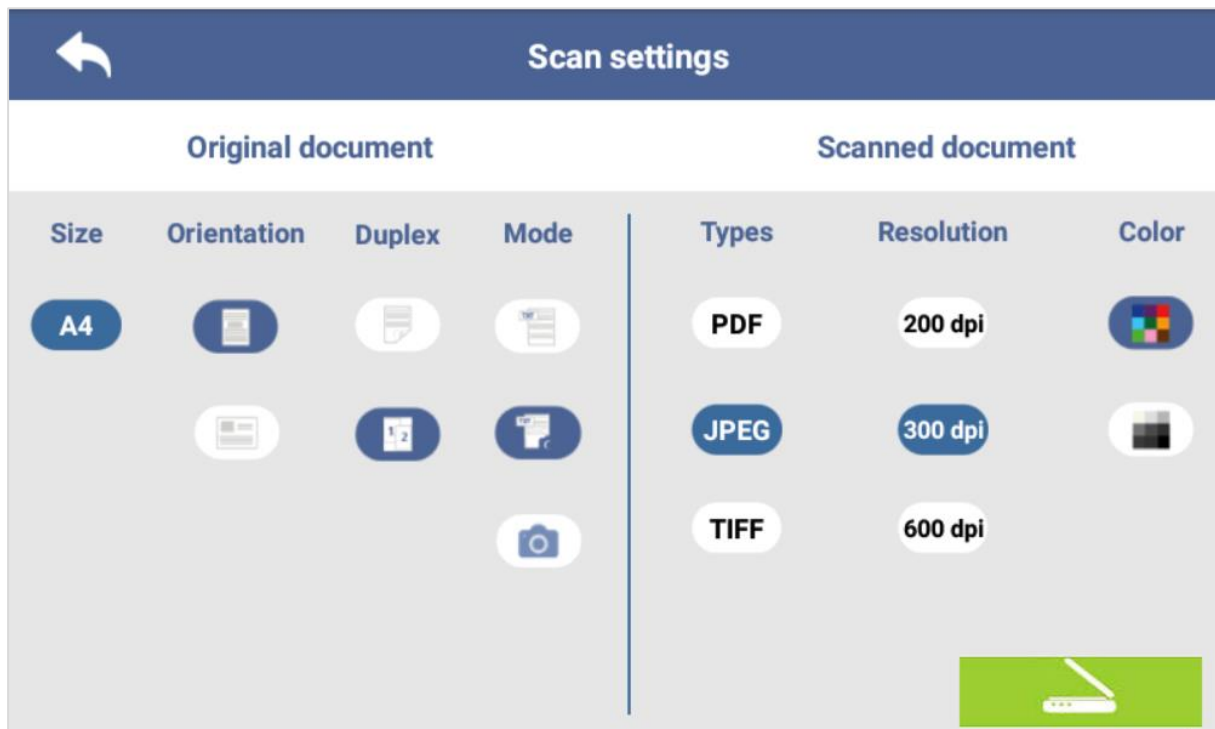
All default parameters used by the copier to perform a quick scan

Advanced scans associated with the user



Advanced scan button
It opens a window for modifying the scan options

Quick scan button
It performs the scan with the default parameter



The scan links displayed in this menu depend on the scan parameters set in Gespage and the user's access rights.

NOTE: Several advanced scans cannot be selected simultaneously. Each scan must be performed separately.