



Gespage eTerminal HP

Manual

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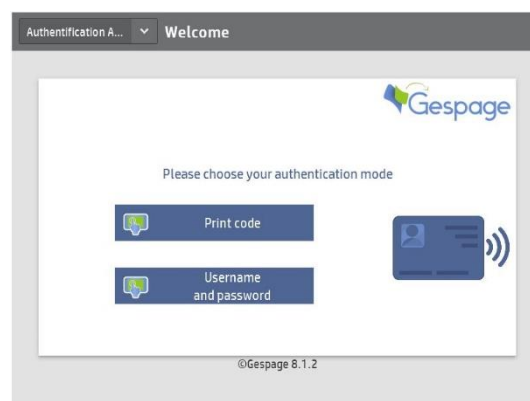
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1. Introduction

The HP eTerminal is a Gespage software module dedicated to HP FutureSmart 4.6+ Enterprise MFPs. This module uses the integrated touch screen of the MFP.

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

- Print2me secured print with user authentication (by login / password, PIN code, RFID card) and user-friendly selection of the documents to print.
- Modification of the job properties (print forcing in B&W, in Duplex or change of the number of copies).
- Scan to me by email or to a home directory.
- Payment and accounting of prints (including USB), copies and scans on Gespage server.
- Access rights to copy, print (B&W, colour) and scan functions.
- Management and configuration of the terminal from a user-friendly Web interface.



1.1 Compatibility

HP eTerminal is compatible with the HP FutureSmart 4.6+ Enterprise MFPs.

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

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



2. Configuration

2.1 MFP configuration

2.1.1 Initial configuration on the MFP web interface

- **Login as administrator**

If there is no administrator password defined, you have to set it from *Security > General Security* menu web page.

Keep this password because it will be used later to install the application.

- **Security parameters**

eTerminal installation may fail if the next two parameters are not set as follows:

From *Security > General Security* menu:

- *Enable Cross-site Request Forgery (CSRF) prevention* should be disabled.
- *Allow installation of legacy packages signed with SHA-1 Hashing algorithm* should be enabled.
- Then click on *Apply* button.

General Security

Account Policy
Access Control
Protect Stored Data
Manage Remote Apps
Certificate Management
Email Domain Restriction
Web Service Security
Self Test

General Security

Help

Embedded Web Server Options

☒ Enable Cross-site Request Forgery (CSRF) prevention

EWS Session Timeout

30
(3-60) minutes

WebScan Auto Capture Jobs

☐ Enable Remote User Auto Capture
When enabled, a remote user could receive scanned pages from the product without permission.

P.J.L. Security

Setting a numeric P.J.L. password prevents P.J.L. command processing unless the correct password is specified. The following commands are protected: P.J.L. File System commands, P.J.L. Device Attendance commands, SNMP Passthrough commands, and Environment commands that affect the default environment.

Old Password: Password is not set. New Password: (1-2147483647) Verify Password:

☐ Enable P.J.L. Device Access Commands
Use this feature to enable P.J.L. device attendance commands, SNMP passthrough commands, and environment commands that affect persistent settings on the product.

Firmware Upgrade Security

☒ Allow firmware upgrades sent as print jobs (port 9100)
☒ Allow installation of legacy packages signed with SHA-1 Hashing algorithm

File System Access Settings

These settings must be enabled for some accessory solutions to work properly.

Apply Cancel

2.1.2 MFP parameters

- Scan to email

HP eTerminal allows logged users to use scan to email functionality.

Depending on the MFP parameters, the « *from* » and « *to* » fields can be automatically filled in with the user's email address.

SMTP parameters and mail address preferences have to be set in the web page of the *Scan/Digital Send > Email Setup > Default Job Options* menu.

Press *Advanced Settings* button for more options.

Information General Copy/Print Scan/Digital Send Fax Supplies Troubleshooting Security HP Web Services Networking

Email Setup

Default Job Options
Quick Sets

Scan to Network Folder

Default Job Options
Quick Sets

Scan to SharePoint®

Quick Sets

Scan to USB Drive

Default Job Options
Quick Sets

Contacts

Email and Scan to Network
Folder Quick Setup Wizards
Digital Sending Software Setup

Email Setup > Default Job Options

This feature allows users to scan documents and send them as email attachments to one or more email addresses.

☒ Enable Scan to Email

Outgoing Email Servers (SMTP)

Click Add to configure a server *

Add... Edit... Remove... Move Up Move Down

Address and Message Field Control

Select the desired setting for each field and whether the field can be edited by the user at the control panel. If any selections require users to sign in, set the base application t

Address Field Restrictions

Users can type addresses
Setting applies if From, To, Cc, or Bcc fields are "User editable"

☐ Allow invalid email address formats

From:
User's address (sign-in required) ☒ User editable

To:
User's address (sign-in required) ☒ User editable

CC:
Blank ☒ User editable

BCC:
Blank ☒ User editable

Basic Settings

- Scan to home directory via Gespage (by FTP)

Scan to home directory enables scanned files to be sent to the user's home directory.

A generic mechanism in Gespage uses an embedded FTP server to transfer user's scanned files to his home directory.

Before the next steps, be sure to activate FTP server in Gespage administration interface..

The screenshot shows the 'FTP parameters (global spool and scan services)' configuration page. It has two main sections: 'Embedded FTP server' and 'FTP server parameters'.

Embedded FTP server: Shows 'Server status' as 'On' with a green checkmark. There are 'Start' and 'Stop' buttons.

FTP server parameters: Includes the following settings:

- Use embedded FTP server: ☒
- IP address: 10.0.0.105
- Port: 7121
- User name: admin
- Password: (masked with dots)
- Use SSL: ☐

Then from the MFP web menu, move to *Scan/Digital Send > Scan to Network Folder* and check the *Enable Scan to Network Folder* option.

Click on *Apply* and move to *Quick Sets* in order to define the FTP directory.

The screenshot shows the 'Scan to Network Folder > Default Job Options' configuration page. The left sidebar has a tree view with 'Quick Sets' highlighted. The main content area has the following settings:

- Enable Scan to Network Folder:** ☒ (highlighted with a red box)
- Notification:**
 - Condition on Which to Notify:** Do not notify (dropdown menu)
 - Prompt user prior to job start:** ☐

Note: The email address associated with a user's account is used for job notification when a user signs in at the product. If not signed in, the user must enter an email address before notification.

Configure your quick parameters and press *Next* until you can create a new FTP destination.

The screenshot shows the 'Quick Sets Setup' configuration page. The left sidebar has a tree view with 'Quick Sets' highlighted. The main content area has the following settings:

- Folder Settings:**
 - Standard shared folders are a simple UNC path without any variables. Personal shared folder paths are retrieved after a user signs in. An example would be a user's Home folder specified in Microsoft Active Directory.
 - Save to shared folders or FTP folders:** ☒ (highlighted with a red box)
 - Click Add to create a destination
 - Add...** (button, highlighted with a red box)
 - Edit...
 - Remove...
 - Save to a personal shared folder:** ☐
 - Requires user sign-in and information specific to the user to create folder path.
 - Send only to folders with read and write access:** ☐
 - This option supports folder verification and job notifications.
 - Allow sending to folders with write access only:** ☒
 - This option does not support folder verification or job notifications.

Note: If you select Save to an FTP server, make sure that Save to a personal shared folder is unchecked.

FTP Folder path has to be **scan_home_dir/** followed by the printer queue name as shown in Gespage printer monitoring menu title:

PC_BE_5/HP_M577

2.2 Gespage configuration

2.2.1 General configuration

2.2.1.1 Global parameters

- Server address

To get a correct remote configuration of the HP eTerminal, the address of the Gespage server (IP or name) must be checked in the global parameters of the server (*Server > Global Settings*).

- Licence

To make sure that the required licences are available, you can check information about your Gespage Server and licences in *Gespape Server > Support > Licence* menu.

An eTerminal can be installed on your MFP only if you have a HP eTerminal licence available or if your server is in demo mode.

View licence

License				
Signature				
Mode	Active (under maintenance)			
Maintenance end date	Jun 30, 2020			
Qty of printers	10000			
Qty of physical printers	16			
Terminals	Mode	Details	Date	Number of devices
HP eTerminal	Active (under maintenance)		Jun 30, 2020	10

2.2.1.2 Network flows

HP eTerminal communicates with the Gespage service on TCP ports 7180/7181.
Gespage communicates with the MFP on TCP ports 80/443.

In the standard mode, flows for scan to email do not pass through Gespage.

The flows for scan to home directory (through FTP) depend on the Gespage FTP server configuration (see Gespage manual Gespage § 11.1.6.2).

2.2.2 eTerminal general configuration

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

These parameters include the type of login as well as the process for card association.

2.2.2.1 General parameters

HP general parameters are available in *Terminals / General Configuration / eTerminal Configuration / HP*.

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. Login will be carried out by keyboard only.
3. Keyboard only
The card reader will be disabled. Login will be carried out by card only.

For card login, the Cartadis TCM3 contactless card reader is recommended (Mifare 13.56 MHz or 125 kHz cards).

NOTE: TCM3 has to be directly connected in USB on the MFP.

For a keyboard login

This parameter is used to set the user login mode on the keyboard.

1. Input of Gepage account only

The user will enter his Gepage login.

2. Input of account and password

The user will enter his Gepage login and his password.

3. Input of the print code

The user will enter his print code.

Association card ID to user

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

1. Done by the users

When a user will use an unknown card, he will have the possibility of authenticating by the keyboard at the login screen. The self-association of the card will be required only once during the card life time.

2. Done by the administrator

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

2.2.2.2 Advanced parameters

Edit HP configuration

General parameters | **Advanced parameters**

Enable authentication mode choice ☒

Default screen before login

☒ Native menu
☐ Custom message

Name	Value
The list is empty.	

[Delete](#)

Add new parameter

Name

Value

[Add](#)

[Approve](#)

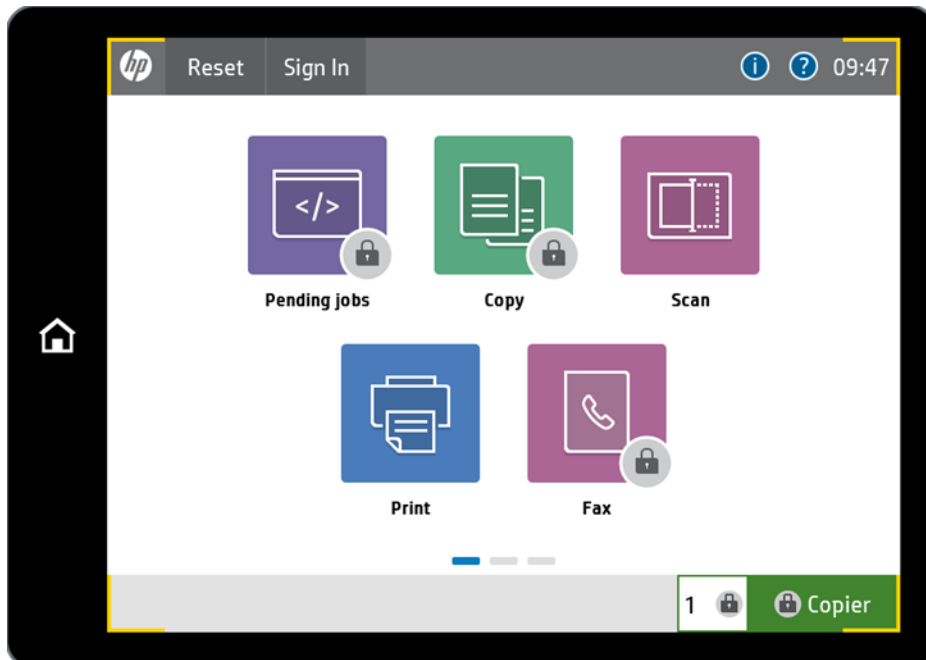
- Enable choice of authentication mode

This parameter allows local authentication on the MFP. It can be useful for a technician that needs local admin authentication for example. By default it is enabled.

- **Default screen before login**

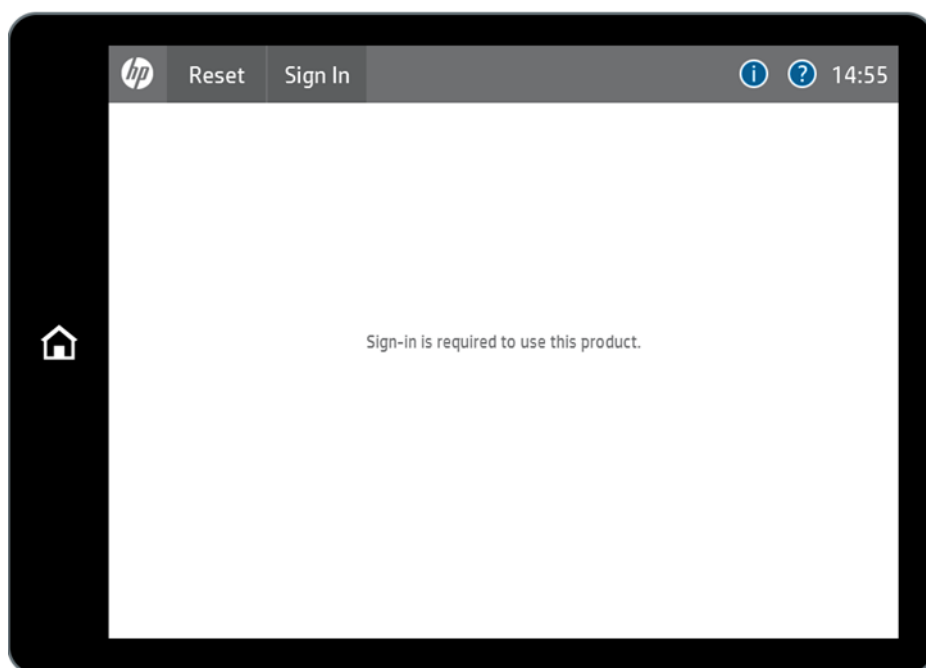
Screen visible by the user when nobody is connected. If this parameter changes, the configuration of the eTerminal must be pushed again so that it is taken into account.

1. Native menu



This icon means that an authentication is mandatory to access the functionality.

2. Custom message



The message *Sign-in is required to use this product* can be changed from the MFP web interface.

HP Color LaserJet FlowMFP M577
HP Color LaserJet FlowMFP M577 10.0.0.78

Utilisateur : Administrateur
Recherche par mot-clé
Déconnexion

Informations Général Copier / Imprimer Numérisation / Envoi numérique Télécopie Consom. Dépannage Sécurité Services Web HP Réseau

Etat du périphérique

Journal tâches
Page de configuration
Page d'état des consommables
Page du journal des événements
Page d'utilisation
Informations sur le périphérique
Clichié du panneau de commande
Panneau de commande à distance
Impr.
Rapports et pages imprimables
Licences Open Source

Etat du périphérique

Mode veille activé

Consom.

Cartouche de noir
Commander 508A (CF360A) 90%*

Cartouche de cyan
Commander 508A (CF361A) 90%*

Cartouche de magenta
Commander 508A (CF363A) 90%*

Cartouche de jaune
Commander 508A (CF362A) 90%*

Kit de fusion
Commander 110V-BSL35A, 220V-BSL36A 100%*

Kit alimentation document
Commander BSL52A 100%*

Unité récupération de toner BSL37A: OK

* Niveaux estimés. Les niveaux réels peuvent varier.

Détails sur les consommables

Support

Entrée/Sortie	Etat	Capacité	Format	Type
Bac 1	Vide	100 feuilles	Tout format	Tout type
Bac 2	OK	550 feuilles	A4 (210 x 297 mm)	Ordinaire
Bac standard	OK	250 feuilles	S/O	S/O

Modifier les paramètres

HP Color LaserJet FlowMFP M577
HP Color LaserJet FlowMFP M577 10.0.0.78

Utilisateur : Administrateur
Recherche par mot-clé
Déconnexion

Informations Général Copier / Imprimer Numérisation / Envoi numérique Télécopie Consom. Dépannage Sécurité Services Web HP Réseau

Personnalisation du panneau de commande > Personnalisation de l'écran d'accueil

Aide

Application de l'écran d'accueil
HP Appliquer

Personnalisation du fond d'écran
Définir le fond d'écran Effacer le fond d'écran

Remarque : seuls les fichiers Images (jpeg, png, gif, bmp) peuvent être utilisés comme fond d'écran. Utilisez un fichier de 800 x 484 pixels ou moins.

Disposition de l'écran d'accueil

Organisez les éléments de l'écran d'accueil en déplaçant les icônes dans les écrans de dessous. Faites glisser ces éléments vers un nouvel emplacement sur la même page ou une autre page. Créez des dossiers pour stocker des éléments similaires. Faites glisser les applications et les réglages rapides dans un dossier. Pour retirer des éléments de l'écran d'accueil, faites-les glisser vers l'écran Éléments cachés.

Ecran d'accueil

Impression... Copier Numériser

Impr. Télécopie AddAndRe...

Éléments masqués

Rechercher

Galerie d'ap...

Support instantané HP... Acheter des consommables... Support produit

2.2.3 Configuration of an eTerminal

The following steps must be configured prior to your eTerminal setting:

- Initial setting at the MFP (see § 2.1.1).
- Adding the printer queue of your MFP on your print server.
- Configuring the printer queue in Gespage.

At your eTerminal saving, the required parameters on the MFP will be automatically configured remotely by Gespage. The MFP must be online during this process.

2.2.3.1 eTerminal general parameters

Your eTerminal must be set in *Terminals / Add terminal / Add eTerminal / HP*.

The screenshot shows the 'Edit a HP Terminal' configuration page. It has three tabs: 'General parameters' (selected), 'Advanced parameters', and 'Debug mode'. The 'HP' section contains the following fields and options:

- Name:** hp_M577
- Comments:** HP4dev
- Reader profile:** A dropdown menu showing a minus sign.
- Public mode:** Radio buttons for 'Disabled' (selected) and 'Enabled'.
- Print job release:** Radio buttons for 'Manually' (selected) and 'Automatically'.
- Manual releasing condition:** Radio buttons for 'All jobs are automatically released after user login' and 'Jobs are released after a keyboard selection' (selected).
- Allow to change job properties:** A checked checkbox with the note '(depending on printer driver or printer version)'.
 - Change number of Copies:** Checked checkbox.
 - Force duplex:** Checked checkbox.
 - Force B&W:** Checked checkbox.
- Push application:** A checked checkbox.
- Admin login:** admin
- Admin password:** (empty field)
- Last push:** Jul 5, 2018 6:31:33 PM
- Model name:** HP Color LaserJet FlowMFP M577
- Product Number:** B5L54A
- Serial number:** JPBVK890YD
- Device ID:** 23ed0d75-7dcb-11e7-9f57-112913cc2252
- System firmware:** 2406048_029627
- Formatter serial number:** 2A20M2E
- MAC address:** F4:30:89:F0:06:8A

Name

The eTerminal name must be filled in. The name is free but 2 identical names cannot be entered.

Comments

Comment of the eTerminal in Gespage. 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 card ids stored on Gespage do not match the standard format.

Print job release

Indicates whether printings sent to the MFP are kept as long as the user is not identified.

1. Manually (function Print2me)

The user must swipe his card to release his documents. This is the configuration to choose for getting a secured printing.

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

This parameter specifies the behaviour in the case of manual release of prints (Print2me).

1. All jobs are automatically released after a user login

Once the user is identified, all his printings are released from the queue.

2. Jobs are released after a keyboard selection

After user's authentication, a screen shows the user all pending prints and gives him the opportunity to release or delete one by one.

Allow to change job properties

This option gives access to tabs in the print release screen to allow the user to change some print options directly on the MFP screen. According to the configuration selected, he can modify the number of copies of his print, force duplex and force black and white.

Warning: Only a simplex can be forced in duplex and a colour printing in black and white. The reverse is not possible. Moreover, these features are only available with a PCL or PS driver.

Push application

This parameter triggers the eTerminal installation on the MFP (push). This remote configuration of the MFP is performed by entering the login and admin password of the unit (admin / [admin password]¹).

NOTE: The application push is to perform at the creation of the eTerminal, and in case of change of the server address.

NOTE: After a successful push, the application information recovered appears at the bottom of the page.

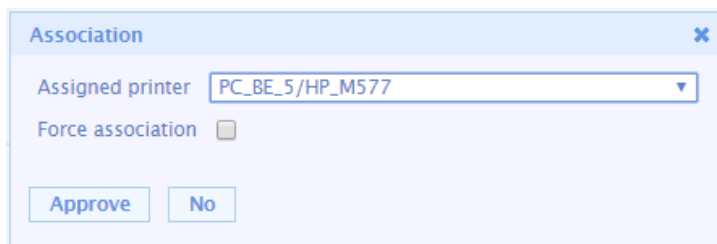
NOTE: The application is removed by unchecking *push application* and press *Force to pull out embedded application* button that appears.

During the initial configuration of your eTerminal, the printed queue corresponding to your eTerminal must be selected when it is saved. The *Force association* parameter may be useful to authorize the action if the print queue was previously linked to another terminal.

General parameters		Advanced parameters	
Screen size		8" (800x600 px) ▼	
Update USB card reader		VID <input type="text"/>	PID <input type="text"/> <input type="button" value="Detection"/>
Name	Value		
conf_public_username	<input type="text" value="public"/>		
<input type="button" value="Delete"/>			

¹ MFP administrator password has to be already defined on the MFP web interface (in security tab).

2.2.3.2 eTerminal advanced parameters



Some advanced parameters can be set in the *Advanced parameters* tab of the eTerminal.

Screen Size

With this parameter you can select the screen size of your HP MFP (default is 8" 800x600px).

Update USB card reader

The application must be installed on the MFP before launching the card reader detection.

To be used, the card reader must be detected by the application. For that purpose, enter your card reader vid and pid and press *Detection*.

By default, the configuration push uses TCM3-13.56 (0816/0023) vid / pid.

NOTE: Reboot the MFP or unplug and plug the card reader may be required to force the MFP to send the information of the reader after detection.

Various advanced parameters

- `alternative_ip_server = [your_server_ip]`
This parameter may be used in a very specific case, when all the MFPs are not in the same subnetwork they do not contact Gespage server on the same IP.

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 default access to his pending prints.

On the next pages, different methods of connecting to the Gespage interface.

Home screen with authentication by login / password and with card

The screenshot shows the home screen of the Gespage eTerminal HP. At the top, there is a dark grey header bar with a dropdown menu labeled 'Authentication A...' and a 'Welcome' message. Below the header, the main content area is white. On the left, there is a blue circular icon with a white person silhouette, followed by the text 'LOGIN CREDENTIALS'. Below this, there are two input fields: 'Username' and 'Password'. A blue button labeled 'Approve' is positioned below the password field. On the right side, there is a blue icon of a card with a person silhouette and a signal icon. The Gespage logo is in the top right corner. At the bottom center, the text '©Gespape 8.1.2' is visible.

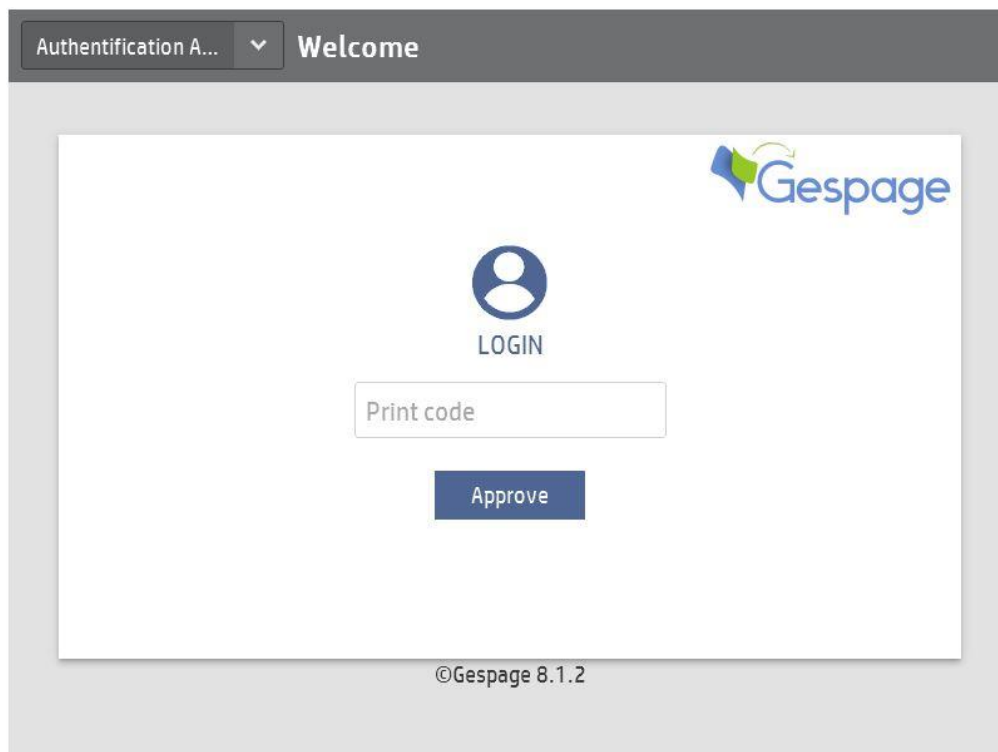
Home screen with authentication by login / password

The screenshot shows the home screen of the Gespage eTerminal HP. At the top, there is a dark grey header bar with a dropdown menu labeled 'Authentication A...' and a 'Welcome' message. Below the header, the main content area is white. In the center, there is a blue circular icon with a white person silhouette, followed by the text 'LOGIN'. Below this, there are two input fields: 'Username' and 'Password'. A blue button labeled 'Approve' is positioned below the password field. The Gespage logo is in the top right corner. At the bottom center, the text '©Gespape 8.1.2' is visible.

Home screen with card authentication only



Home screen with print code authentication



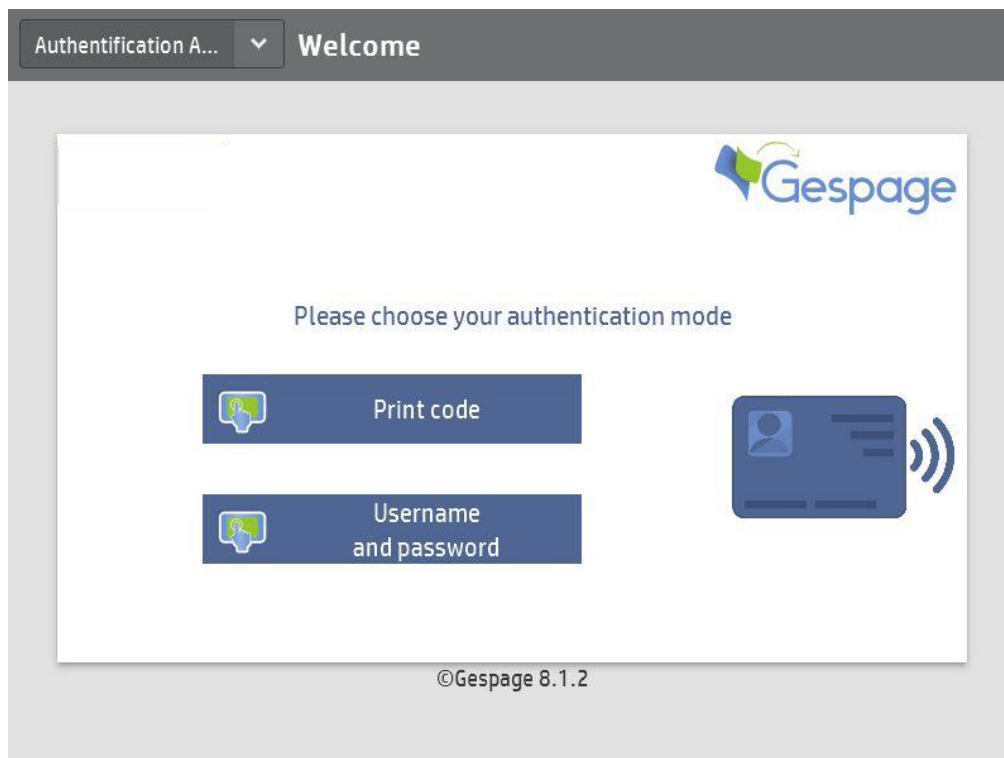
Home screen with username authentication

The screenshot shows the home screen of the Gespage eTerminal HP interface. At the top, there is a dark grey header bar with a dropdown menu labeled 'Authentication A...' and a 'Welcome' message. Below the header, the main content area is white. In the top right corner, the 'Gespape' logo is displayed. In the center, there is a blue circular icon with a white person silhouette, labeled 'LOGIN'. Below the icon is a text input field labeled 'Username'. Underneath the input field is a blue button labeled 'Approve'. At the bottom center, the copyright notice '©Gespape 8.1.2' is visible.

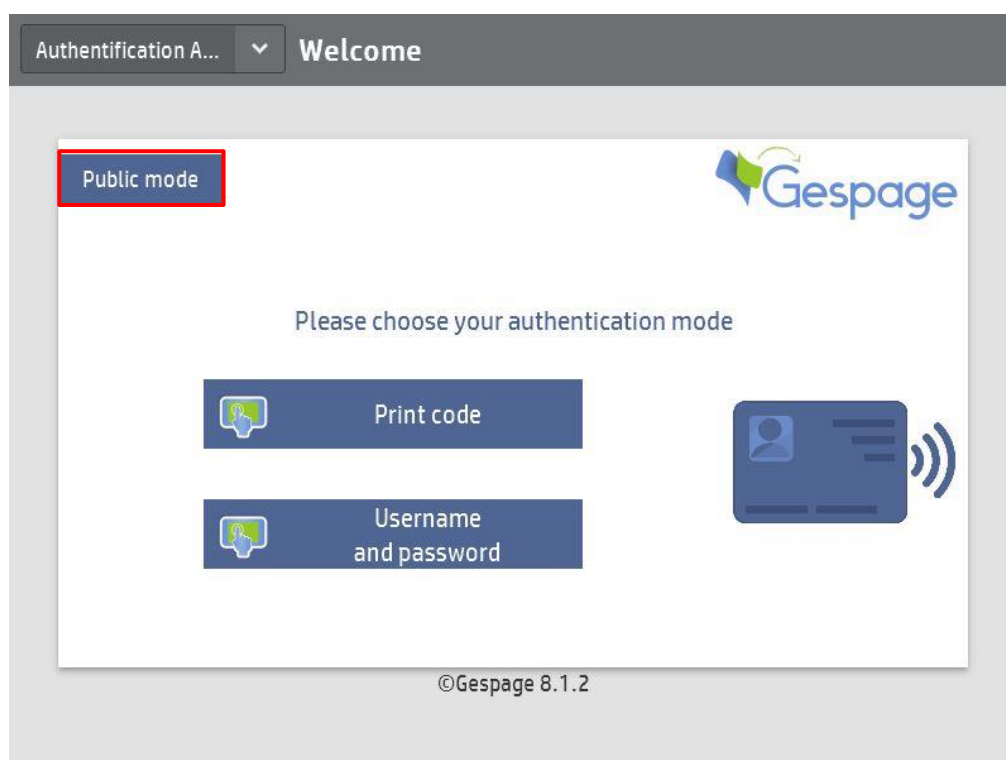
Home screen with print code authentication

The screenshot shows the home screen of the Gespage eTerminal HP interface for print code authentication. At the top, there is a dark grey header bar with a dropdown menu labeled 'Authentication A...' and a 'Welcome' message. Below the header, the main content area is white. In the top right corner, the 'Gespape' logo is displayed. In the center, the text 'Please choose your authentication mode' is shown. Below this text are two blue buttons. The left button has a green icon of a hand pointing at a screen and is labeled 'Username and password'. The right button has a green icon of a hand pointing at a screen and is labeled 'Print code'. At the bottom center, the copyright notice '©Gespape 8.1.2' is visible.

Home screen with print code authentication and card



Home screen with public access



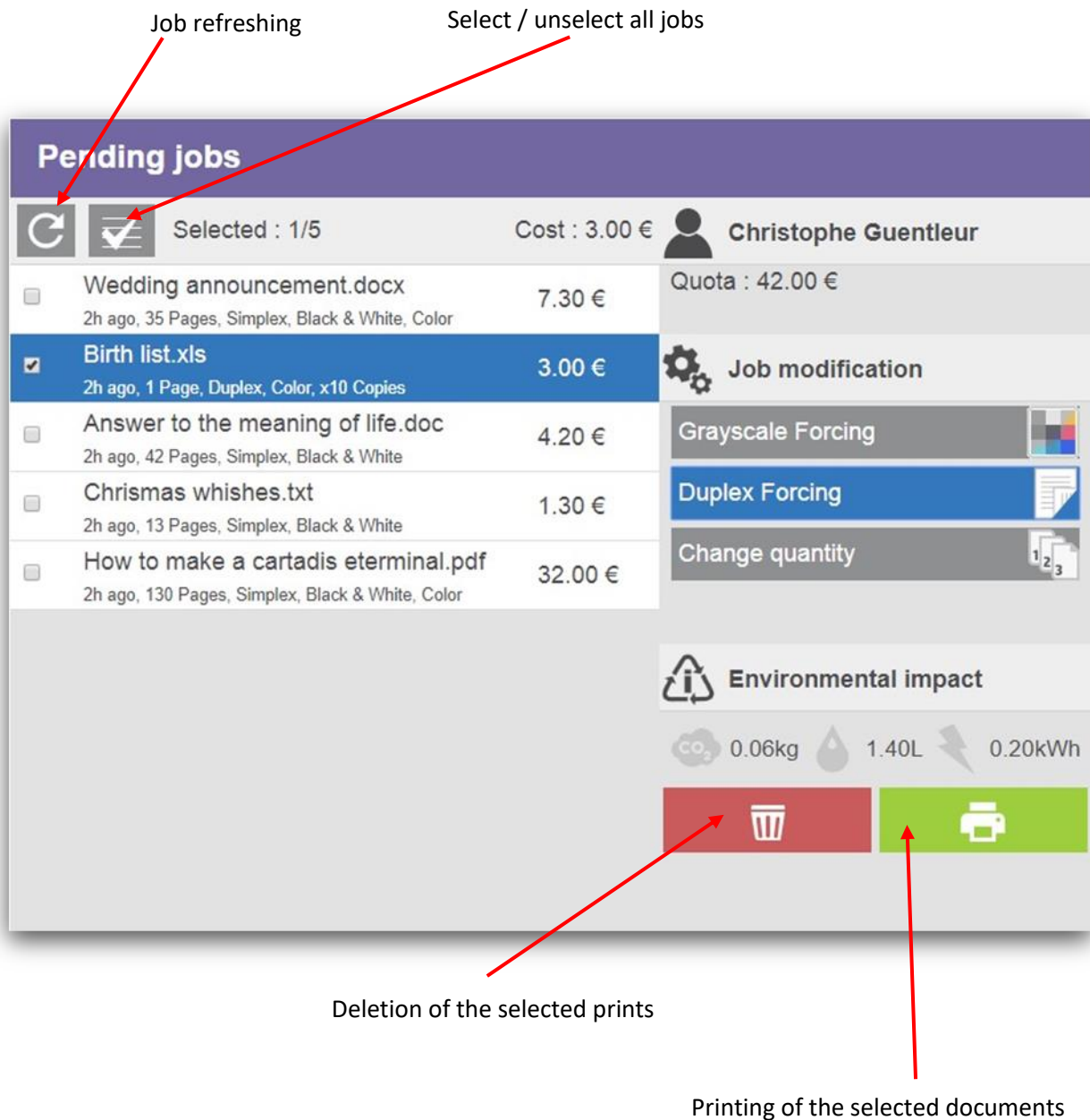
3.1.2 Screen of print release

The screen for print release enables pending prints to be selected for printing, deletion or modification. It is displayed when pressing *Pending jobs* button.

The environmental impact informs the user about the impact of his prints on the environment.

The cost of printing automatically appears at the end of each print line. The total cost is available at the top of the screen.

You will also find the print job list and the different buttons to refresh the list and to select.

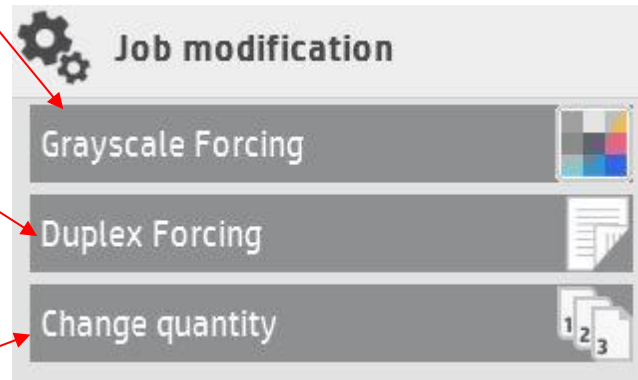


Printing may be changed by using the forcing keys:


Black & White forcing

Duplex forcing

Change the number
of copies



3.1.3 Choice of billing code

If jobs monitoring is enabled, the user will charge his prints and expenses of copy and scan to a job. The list of billing jobs allowed for the user is displayed by choosing the button 

A screenshot of the 'Billing code selection' interface. At the top, there is a header bar with 'Authentication A...' and a dropdown arrow, followed by the title 'Billing code selection'. Below this is a white content area. In the top right corner of the content area is the 'Gespape' logo. On the left side, there is a section titled 'Filter with the following characters :' followed by a text input field. Below the input field are two buttons: 'Search' and 'Reset'. On the right side, there is a vertical list of four billing codes, each in a separate box: 'Commercial', 'gespage', 'R&D', and 'Standard'.

4. Annexe

4.1 Add a logo

For adding a logo:

- Connect to the web interface of the Gespage server and edit the general configuration of the HP multifunction terminal.

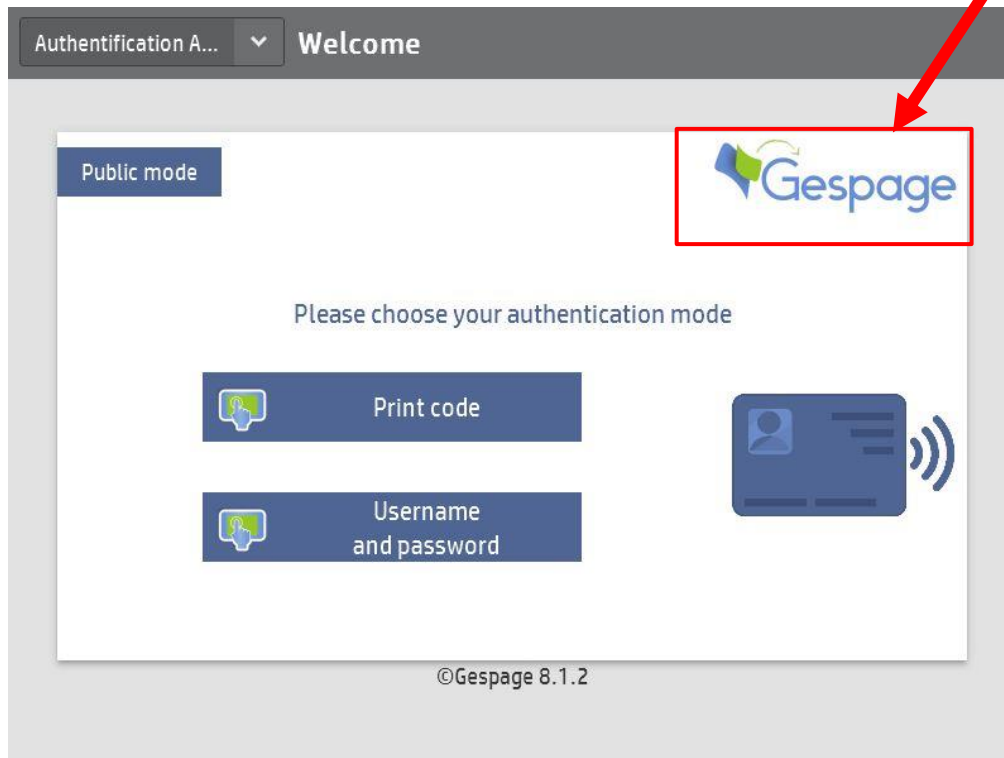
The screenshot shows the Gespage eTerminal HP interface. The top navigation bar includes 'admin | Logout' and links to 'Dashboard', 'Printers', 'Accounts', 'Monitoring', 'Reports', and 'Server'. Below this, a breadcrumb trail shows 'Printers > Printers / Copiers > Terminals'. The 'List of Printers, Copiers' page is displayed, featuring a table with columns: 'Computer name', 'Printer/Copier name', 'Connected terminal', and 'Comments'. The table lists several test devices like 'GESPAGE-TEST-22' with various printer models. A dropdown menu for 'Add terminal' is open, showing a list of manufacturers: Brother, Epson, HP (highlighted with a red box), Konica Minolta, Kyocera, Lexmark, OKI, Ricoh, Samsung, Toshiba, and Xerox.

- Click on the advanced parameters and check set a personal home logo. Then choose a logo.

The screenshot shows the 'Edit HP configuration' page in the Gespage eTerminal HP interface. The 'Advanced parameters' tab is selected and highlighted with a red box. The configuration options include:

- 'Enable authentication mode choice' with a checked checkbox.
- 'Default screen before login' with radio buttons for 'Native menu' and 'Custom message' (selected).
- 'Print code keyboard type' with radio buttons for 'Numeric only' (selected) and 'Alphanumeric'.
- 'Defined custom welcome logo' with a checked checkbox.
- 'Actual Logo (recommendation:jpg/png, 200x70px, 10Ko max.)' field, which is highlighted with a red box. It shows the file 'gespage_logo.png' and a '+ Browse...' button.

- Then validate.
- At the top right, your logo is displayed.



Logo features:

- Format: jpg/png.
- Size: 200*70px.
- Capacity: 10kB max.