



Gespage eTerminal Konica-Minolta

Manual

Table of contents

1. Introduction.....	5
2. Configuration.....	7
2.1 MFP configuration	7
2.1.1 Security parameters configuration	7
2.1.2 Network parameters configuration	9
2.1.3 Users authentications setting (optional).....	10
2.2 Gespage configuration.....	11
2.2.1 General.....	11
2.2.1.1 Global parameters	11
2.2.1.2 Networks flows	12
2.2.2 eTerminal configuration.....	12
2.2.3 eTerminals general configuration	13
2.2.4 eTerminals advanced configuration.....	15
2.2.4.1 eTerminal identification	16
2.2.4.2 MFP administrator access.....	16
2.2.4.3 CMI.....	16
2.2.4.4 Print release.....	16
2.2.4.5 User screen configuration.....	16
3. Use	21
3.1 Examples of users' menus	21
3.1.1 Login of the user.....	21
3.1.2 Selecting an Activity	24
3.1.3 Print release	24
3.1.4 Print parameters modification	25
3.1.5 Card association	26
3.1.6 Scan to e-mail.....	26

1. Introduction

The Konica Minolta eTerminal is a Gespage software module dedicated to Open API V3.6 MFPs. This module uses the integrated touch screen 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 scan to me by email
- Access rights limitation to the MFP functions.

Authentication on the MFP may be carried out by keypad or card.



2. Configuration

2.1 MFP configuration

Some parameters of your MFP must be configured to install the eTerminal.

It means to be connected to the administration page of the machine.

http://Address_MFP

Then check administrator and enter the password (Default value 12345678 or 1234567812345678).

ATTENTION! The KM eTerminal is dedicated to KM Open API v3.6 MFPs. If Open API is older than the 3.6 version, contact Konica-Minolta support to check whether a firmware update is available for your MFP.

2.1.1 Security parameters configuration

The KM eTerminal has to communicate in SSL mode with the server, so you have to carefully set the MFP security parameters.

From *Security/Device Certificate Setting* menu, it is advisable to delete the pre-registered certificate (which can be invalid).

Then make a new registration.

Select « Create and install a self-signed Certificate.».

The screenshot shows the Konica Minolta Web Connection interface. At the top, it says 'KONICA MINOLTA' and 'Web Connection'. Below that, it says 'Model Name: bizhub C224e'. There are several status indicators: 'Ready to Scan' and 'Low Paper'. A navigation bar contains buttons for 'Maintenance', 'System Settings', 'Security', 'User Auth/Account Track', 'Network', and 'Box'. Below this, there are buttons for 'Print Setting', 'Store Address', 'Wizard', 'Customize', and 'To Main Menu'. The 'Security' menu is expanded, showing 'PKI Settings' with sub-items: 'Device Certificate Setting', 'SSL Setting', 'Protocol Setting', 'External Certificate Setting', and 'Certificate Verification'. The 'Device Certificate List' is displayed with a 'New Registration' button. The list has columns: Default, Issuer, Subject, Validity Period, Detail, and Setting. One certificate is listed with Issuer 'KMBT8A7132.cartad...' and Subject 'KMBT8A7132.cartad...'. The Validity Period is '15/07/2024'. There are 'Detail' and 'Setting' buttons for this certificate. At the bottom right are 'OK' and 'Cancel' buttons.

Some information about your company must be filled in, accuracy of the information is not required. But for *Validity Period* it is recommended to enter 3650 days to get a 10 year period.

The screenshot shows a dialog box titled 'Create and install a self-signed Certificate.' It contains the following fields and values:

- Common Name: 10.0.0.25
- Organization: MyCompany
- Organizational Unit: MyCompany
- Locality: My city
- State/Province: My area
- Country: GB
- Admin. E-mail Address: konicacopier@MyCompany.co
- Validity Start Date: 20/08/2014 12:25:22
- Validity Period: 3650 Day(s)(1-3650) (The value 3650 is circled in red)
- Encryption Key Type: RSA-1024_SHA-1

At the bottom right are 'OK' and 'Cancel' buttons.

From *Security/SSL Setting/Mode using SSL/TLS*, select the « Admin. Mode ».

The screenshot shows the 'SSL Setting' interface. On the left, the 'PKI Settings' menu is expanded, showing 'Device Certificate Setting' and 'SSL Setting'. The 'SSL Setting' section has a 'Mode using SSL/TLS' dropdown menu. The selected option is 'Admin. Mode', which is circled in red. Below it, the 'Encryption Strength' is set to 'AES-256, 3DES-168, RC4-128'. At the bottom, there is a partially visible 'SSL/TLS Version Setting' dropdown.

This modification will also change web interface of the MFP to HTTPS.

ATTENTION! Your browser may ask you if you wish to continue on a HTTPS page which is not valid, it must be agreed to access to the MFP web interface.

2.1.2 Network parameters configuration

From *Network/ TCP Socket Setting* menu, « Use SSL/TLS » must be selected.

The screenshot shows the Konica Minolta Web Connection interface. At the top, it displays the user as 'Administrator' with a 'Logout' button and a help icon. Below this, it shows 'Model Name: bizhub C224e' and a 'Low Paper' warning. The main navigation bar includes tabs for Maintenance, System Settings, Security, User Auth/Account Track, Network (highlighted in orange), and Box. Below the Network tab, there are sub-tabs: Print Setting, Store Address, Wizard, Customize, and To Main Menu. The left sidebar lists various settings: TCP/IP Setting, E-mail Setting, LDAP Setting, IPP Setting, FTP Setting, SNMP Setting, SMB Setting, DPWS Settings, Bonjour Setting, NetWare Setting, AppleTalk Setting, WebDAV Settings, OpenAPI Setting, TCP Socket Setting (highlighted in orange), IEEE802.1X Authentication Setting, LLTD Setting, and SSDP Settings. The main content area is titled 'TCP Socket Setting' and contains the following options:

- ☒ TCP Socket
 - Port Number: 59158 (1-65535)
- ☒ Use SSL/TLS (circled in red)
 - Port No.(SSL/TLS): 59159 (1-65535)
- ☒ TCP Socket(ASCII Mode)
 - Port No.(ASCII Mode): 59160 (1-65535)

At the bottom right of the settings area, there are 'OK' and 'Cancel' buttons.

From *Network/ Open API Setting* menu, « SSL Only » must be selected.

KONICA MINOLTA
PAGE SCOPE Web Connection
Model Name: bizhub C224e
Ready to Scan
Low Paper

Administrator Logout ?

Maintenance System Settings Security User Auth/Account Track Network Box

Print Setting Store Address Wizard Customize To Main Menu

TCP/IP Setting
 E-mail Setting
 LDAP Setting
 IPP Setting
 FTP Setting
 SNMP Setting
 SMB Setting
 DPWS Settings
 Bonjour Setting
 NetWare Setting
 AppleTalk Setting
 WebDAV Settings
OpenAPI Setting
 TCP Socket Setting
 IEEE802.1X Authentication Setting
 LLTD Setting
 SSDP Settings
 IWS Settings
 Machine Update Settings
 Remote Panel Settings

OpenAPI

Use SSL/TLS **SSL Only** (1-65535)

Port Number 50001 (1-65535)

Port No.(SSL) **50003** (1-65535)

Proxy Settings

Proxy Server Address ☐ Please check to enter host name.
0.0.0.0

Proxy Server Port Number 8080 (1-65535)

Proxy Server Port Number (HTTPS) 8080 (1-65535)

Proxy Server Port Number (FTP) 21 (1-65535)

User Name

☐ Password is changed.

Password

Certificate Verification Level Settings

Client Certificates **Do not request**

Validity Period **Do Not Confirm**

CN **Do Not Confirm**

Key Usage **Do Not Confirm**

Chain **Do Not Confirm**

Expiration Date Confirmation **Do Not Confirm**

OK Cancel

The port number (SSL) should be 50003 (default value). If you wish to change it, the new port should then be filled in on Gespage.

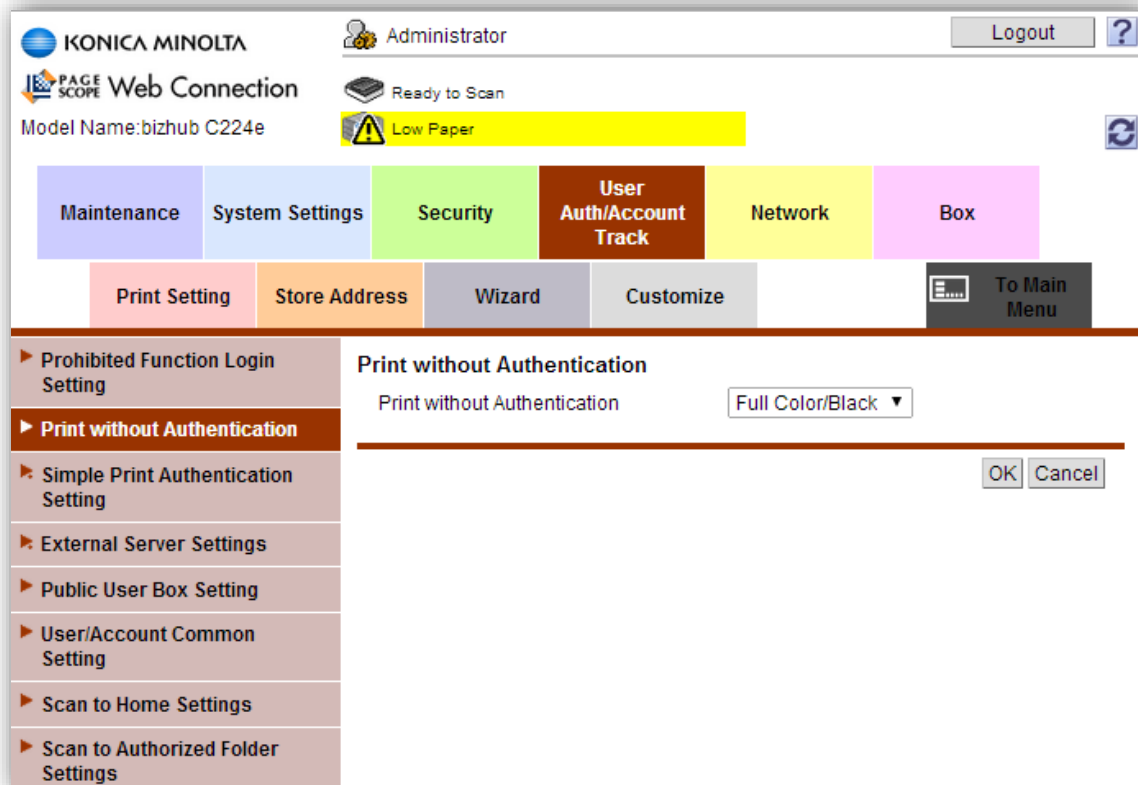
The « Client Certificates » field must be set to « Do not request ».

The other fields of level adjustment for certificate checking must be set to « Do Not Confirm ».

2.1.3 Users authentications setting (optional)

Depending on your configuration, the following modification may be necessary:

From *User Auth/Account Track* menu and *Print without Authentication*, « Full Color/black » must be selected.



2.2 Gespage configuration


2.2.1 General

2.2.1.1 Global parameters

Gespage server (IP or name) address has to be checked in the global parameters of the server (*Server/ Global Parameters*) to make the dialogue possible between eTerminals and Gespage server.

Gespage server	
Address of Gespage server	<input type="text" value="10.0.0.214"/>
Port (secured)	<input type="text" value="7181"/>

Make sure that the required licences are available. From *Server/Support/Licence*, information about your Gespage Server and the purchased licenses is available. An eTerminal can be installed only if you have the Konica-Minolta eTerminal associated license or if your server is in demo mode.

 [View licence](#)

License

Signature XXXXXXXXX

Mode Active (under maintenance)

Maintenance date Dec 31, 2015

Number of printers 100

Number of physical printers 65

Terminals	Mode	Details	Date	Number of devices
eTerminal Konica-Minolta	Active (under maintenance)		Dec 31, 2015	10

License registration

Register your license key

A new licence is registered by just uploading and validating.

2.2.1.2 Networks flows

KM eTerminal communicates with Gespage server on the TCP port 7181.

The server communicates with the KM eTerminal on the port 50003 (default) for the push of the application.

2.2.2 eTerminal configuration

Before configuring the eTerminal, you first have to add the printer corresponding to your MFP on your Gespage server

Once your eTerminal configuration has been validated, it is « pushed » on your MFP. If it is not networked, you will have to re-validate its configuration to ensure that it is applied to the MFP.

After configuring the KM eTerminal in Gespage, it has to be linked to the corresponding MFP print queue.

Above parameters remain accessible for later changes. The method for print release is defined here, as well as the functions managed by the eTerminal.

Printers Printers / Copiers Terminals Reader profiles Price profiles

Add a Konica Minolta eTerminal

General parameters Advanced parameters

Konica Minolta

Be careful! You can validate eTerminal configuration only if the printer to associate already exist

Name

MFP address

Comments

Type Konica Minolta OpenAPI 3.6

Admin login admin

Admin password

Konica Minolta

OKI

Toshiba

Xerox

2.2.3 eTerminals general configuration

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

The types of login allowed and the method for cards association are among these parameters.

Printers Printers / Copiers Terminals Reader profiles Price profiles

Edit Konica Minolta eTerminal

General parameters Advanced parameters

Device locale

Authentication method used with Cartadis terminal

For a keyboard login

Allowed logins

Association card ID to user

CMI configuration

cPad configuration

eTerminal Configuration

DRC10 configuration

Other devices

Input of account and password

Card and keyboard

Card only

Keyboard only

Done by the users

Done by the administrator

Lexmark

Konica Minolta

OKI

Sharp

Toshiba

Xerox

Approve

Force application push

These main parameters are described hereafter:

For a keyboard login

Parameters dedicated to a user login on the keyboard.

<i>Input of Gespage account only:</i>	The user will only enter his Gespage login.
<i>Input of account and password:</i>	The user will enter his Gespage login and his password.
<i>Input of the code:</i>	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.

Association card ID to user

Depending on this parameter, the user can associate himself his account with the card via the MFP keyboard. When « *Done by the administrator* » is checked, the card association must be carried out by the administrator either by synchronization or import directly in Gespage users' profiles (see Gespage manual).


In this menu, the « *Force application push* » option launches the configuration over all KM eTerminals.

NOTE: The language of the eTerminal interface is the Gespage server one. It can be set from the *Global parameters* of the server. The eTerminal messages may be customized. Contact the Cartadis support to get the procedure.

2.2.4 eTerminals advanced configuration

To modify the parameters related to each eTerminal, move to *Printers/Terminals/List of terminals* and select the eTerminal.

General parameters & Advanced parameters

 Edit a Konica Minolta eTerminal

General parameters
Advanced parameters

Konica Minolta

Name

konica_224

MFP address

10.0.0.25

Comments

Type

Konica Minolta OpenAPI 3.6

Admin login

admin

Admin password

.....

CMI

-

Print job release

☒ Manually
☐ Automatically

Manual releasing condition

☐ All jobs are automatically released after user login
☒ Jobs are released after a keyboard selection

Public mode

☒ Disabled
☐ Enabled
☐ Enabled and activated automatically after logout

Show user balance

☒

Show print setting

☒ (depending on printer driver or printer version)

Change number of Copy

☒

Force to update duplex

☒

Force to update color

☒

Show confirmation login

☒

Show confirmation logout

☒

Activate configuration on printer

☒

Last connection

21/08/14 11:22

Approve

Delete

2.2.4.1 eTerminal identification

Name

The name of the Terminal must be filled in. The name is free but 2 identical names cannot be entered.

MFP address

The address of the MFP is the IP address or the network name of the MFP on which the eTerminal is to install.

Comments

Comments are optional.

2.2.4.2 MFP administrator access

The login and the MFP administrator password must be filled in.

(by default: login = admin / password = 12345678 or 1234567812345678).

2.2.4.3 CMI

The CMI receiving the network card reader must be chosen. If no card reader is connected to the MFP, select none. The CMI is configured at the CMI terminal configuration menu.

2.2.4.4 Print release

Print job release

Prints may be released « *Automatically* », which enables prints to be released on the MFP as soon as printing is submitted from the user PC. In all other cases (release after a login or a card swiping), « *Manually* » is to select.

Manual releasing condition

If release is set to « *Manually* », an automatic release can be chosen as soon as the user login has been entered (direct printing of documents after login), or release after selection of prints on the MFP (the user releases the prints).

2.2.4.5 User screen configuration

Public mode

This function enables the public mode which gives a free access to the MFP. The user must press the button corresponding to the public mode (check « Enabled »), or he will be directed to the public profile already open (check « Enabled and activated automatically after logout») on the screen of the eTerminal.

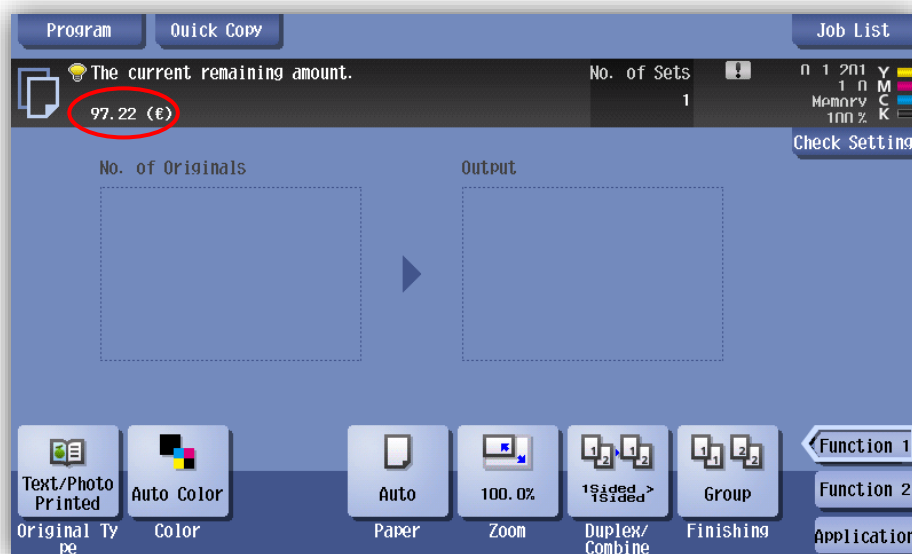
This login may include restrictions if wished by the administrator. For example, a free access may be set only for black and white copies.

For this purpose, the public mode must be enabled and the name of the common public profile filled out in the « advanced parameters » tab of the eTerminal. It is better to create a user profile named « public » and configure for it the restriction wished on each printer.

Name	Value
conf_public_username	public
mfp_port_ssl	50003

Show user balance

This function displays the amount remaining on the user account, at the top of the user screen.



NOTE: The currency can be changed in the global parameters of the server. Units can also be set. It is recommended to uncheck the box if user profiles are unlimited, otherwise the amount displayed will be 99999.

Show print setting

This function displays a menu for print job modification on the print release screen. The user has the ability to change his print settings directly on the MFP screen. According to the configuration selected, he can change the number of copies of his printing, force duplex and force black and white.

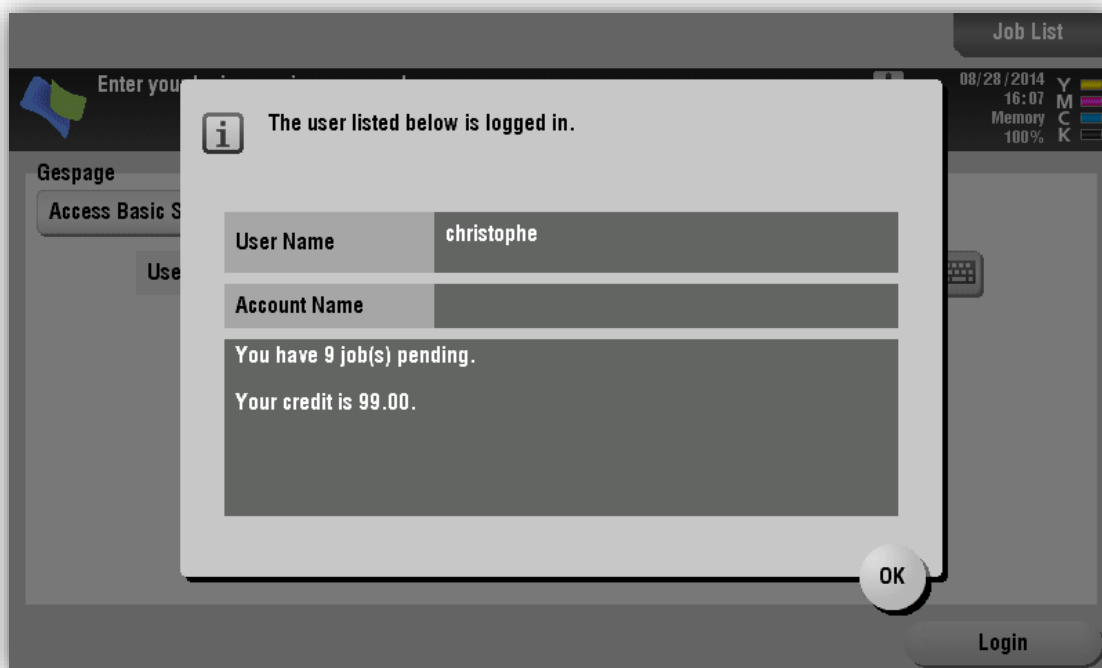
ATTENTION! A simplex can only be forced to duplex and a colour printing to black and white. The reverse is not possible.

In addition, these features are only available with PS or PCL Drivers and the modification to duplex is only available on the PCL driver.



Popup

Popups functions for confirmation provide additional popups on the MFP screen. The login confirmation popup reminds the username, the number of pending jobs and the user credit. The logout confirmation popup requests for confirmation of logout.

Activate configuration on printer

« Activate configuration on printer » can be enabled or not. If this function is selected and the page is saved, the MFP will then receive the downloading of the new configuration and the PUSH will become effective.

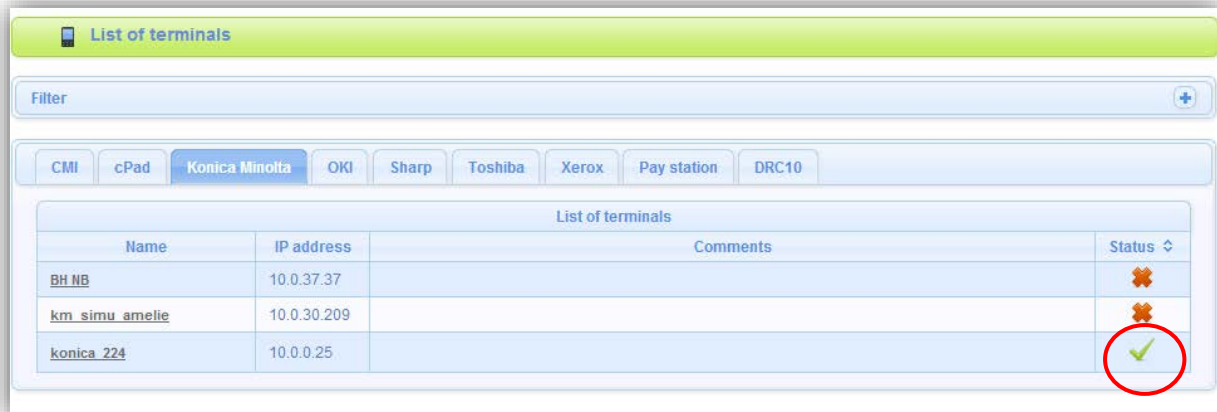
If this function is not selected and if the page is saved, the configuration will be saved but the MFP will not receive the downloading of the new configuration (PUSH unrealized).

This feature can be useful for the configuration of several eTerminals. Once all configurations have been saved, just realize the PUSH by checking the box « Activate configuration on printer » at the commissioning of the process.

This function is also used to temporarily disable the eTerminal on the MFP.

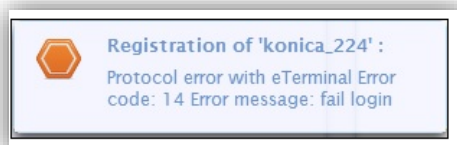
NOTE: If the configuration is correctly downloaded on the MFP, it will temporarily lock the access to its screen by showing a warning message « Operating remotely. Please do not turn off the Power. ».

Once the PUSH completed, a green check is shown in the list of Gespage terminals.



If the configuration download fails, a popup is displayed on Gespage with the associated error code.

Example:



Here are some typical errors:

Error message	Cause
During Device Lock Fail Device Lock	At the PUSH, the MFP was busy. The MFP is in use. The administrator is on the WEB interface of the MFP.
Error	The MFP is in error.
Communication error with eTerminal	The network link with the MFP is disconnected. The MFP is off.
CMS validity check error	There is a limitation in the support of the eTerminal by the firmware of the MFP. Please contact CARTADIS support.

ATTENTION: Generally MFPs have a lag time, a delay of 30s is required after the last user disconnection, to perform the PUSH.

3. Use

3.1 Examples of users' menus

3.1.1 Login of the user

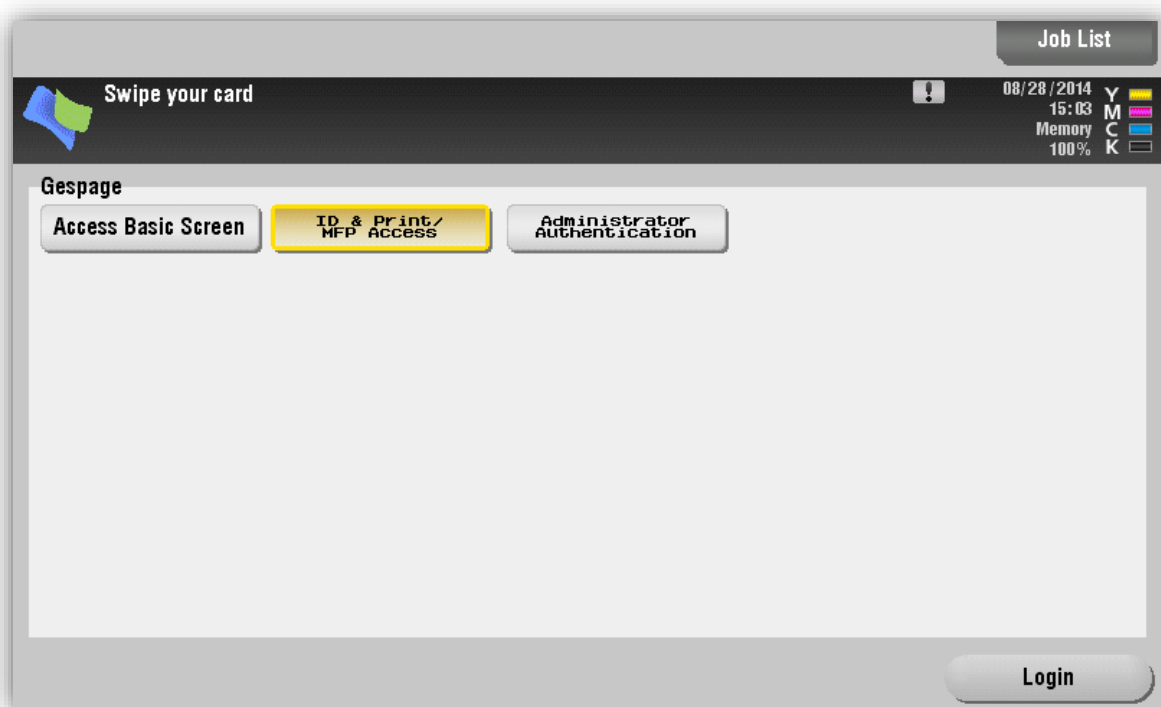
The user logs on the KM generic login screens or by swiping his card. The disconnection is done via the "Code" button (on the side of the screen).

Login by user name/Password

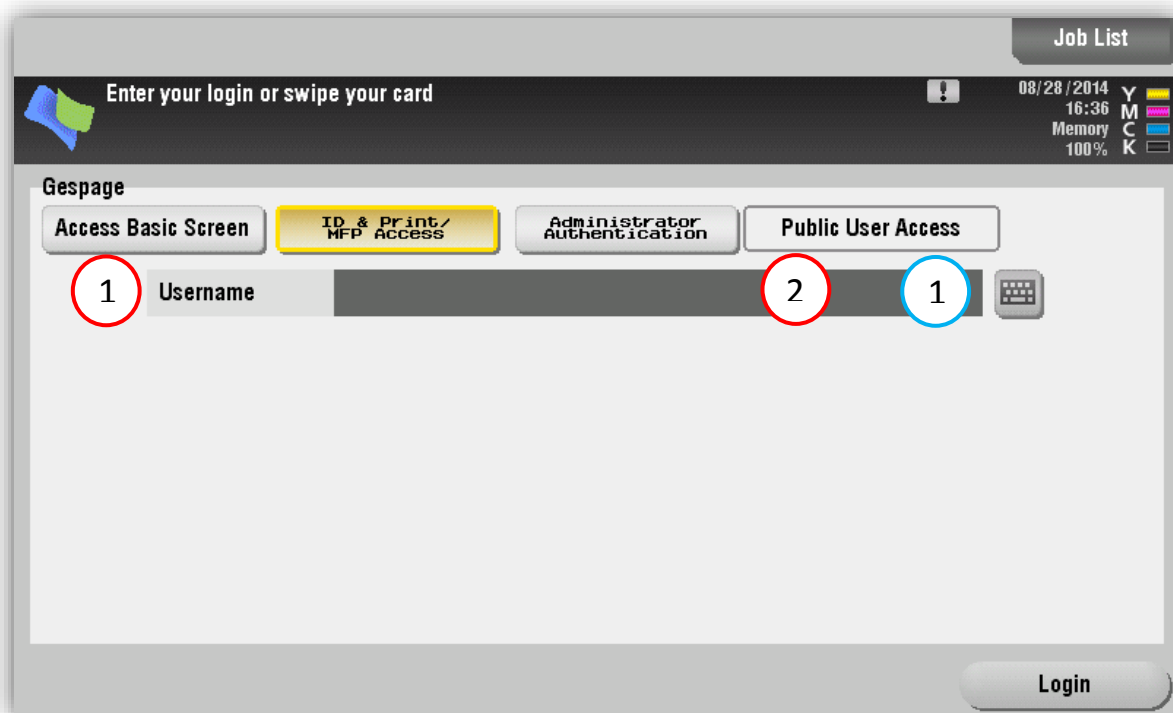
The screenshot shows the 'Enter your credentials' screen of the Gespage eTerminal. At the top right, there is a 'Job List' button. Below it, a status bar displays the date '08/28/2014', time '15:01', and memory status 'Memory 100%'. To the right of the status bar are four small colored squares (yellow, magenta, cyan, black) labeled 'Y', 'M', 'C', and 'K'. The main area is titled 'Gespage' and contains three buttons: 'Access Basic Screen', 'ID & Print/MFP Access' (highlighted in yellow), and 'Administrator Authentication'. Below these buttons are two input fields: 'Username' and 'Password', each with a small keypad icon to its right. At the bottom right, there is a 'Login' button.

Login by print code

The screenshot shows the 'Enter your login or swipe your card' screen of the Gespage eTerminal. At the top right, there is a 'Job List' button. Below it, a status bar displays the date '08/28/2014', time '15:06', and memory status 'Memory 100%'. To the right of the status bar are four small colored squares (yellow, magenta, cyan, black) labeled 'Y', 'M', 'C', and 'K'. The main area is titled 'Gespage' and contains three buttons: 'Access Basic Screen', 'ID & Print/MFP Access' (highlighted in yellow), and 'Administrator Authentication'. Below these buttons is a single input field labeled 'Print code' with a small keypad icon to its right. At the bottom right, there is a 'Login' button.

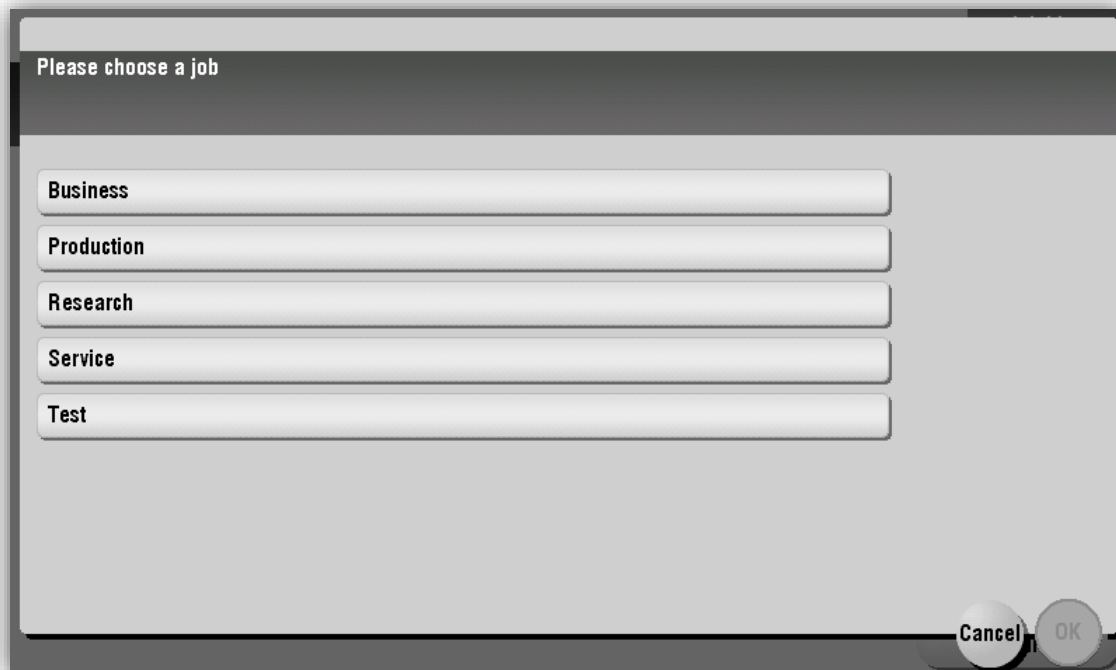
Login by cardPublic User Access

Depending on the firmware version, to identify via the public mode, click the Public User Access button or click directly the Access Basic Screen button and then the Public User Access button.



3.1.2 Selecting a Project

If projects are managed, the user must enter or look for the activity to which he wishes to allocate his job. The information must be entered at login time.

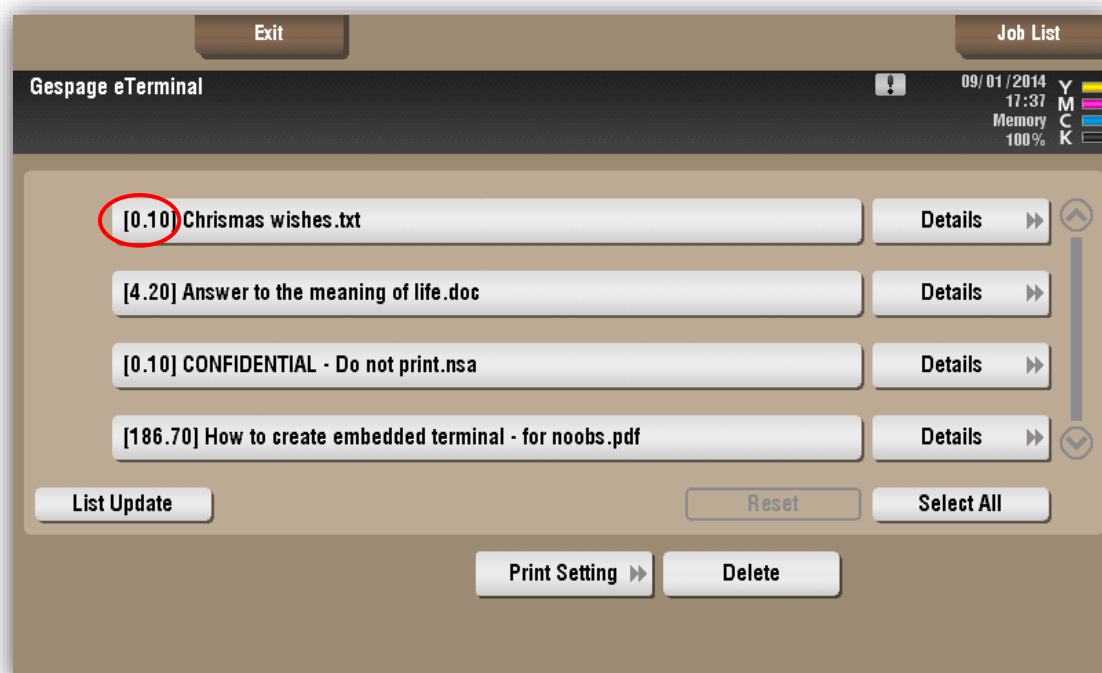


3.1.3 Print release

The screen of prints release enables pending jobs to be selected, to be printed or deleted. For switching from print to copy mode, press the MENU key on the MFP. To go back to the Gespage job list, choose the « Gespage release jobs » button in the KM menu.



If the user account is not unlimited, the cost of the job is automatically shown at the beginning of each job line.



3.1.4 Print parameters modification

By going to Print Setting, the user can change the print parameters directly on the screen of the MFP.



3.1.5 Card association

If the server configuration allows the association of a card by a user, he must perform a standard keyboard login after having passed his new card.

3.1.6 Scan to e-mail

The eTerminal automatically configures the email address of the user when he is authenticated on the MFP. Scans can therefore be made and sent directly to the personal e-mail of the user. (*Scan to «Email Me» in the scan address book*).