



Installing SecureJet™ Auth-PX Users Authentication for hp printers and MFPs

SecureJet™ Auth-PX 5.0A Proximity Badges Authentication

Protected by US patent 6,889,252

Jetmobile®

information traceability, security and mobility

**Installation and
Maintenance Guide**
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Patents pending

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1 - Overview

SecureJet is a set of modules for hp LaserJet printers and selected hp LaserJet Multi-Function-Printers (hereafter referred to as MFP).

SecureJet modules are separated in three categories: **SecureJet Auth**, **SecureJet Print** and **SecureJet Track**



SecureJet Auth modules:

On printers, SecureJet Authentication modules authenticate users for the SecureJet Secure Printing module, to release their pending print jobs.

On MFPs, SecureJet authentication provides ultimate security, better usability and increased productivity by authenticating users with PIN codes, proximity/magnetic/smartcard badges before granting access to advanced MFP functions such as copy, color copy, email sending, fax, SecureJet Secure Printing, hp Autostore, Scan to folder, DSS etc. For emails, SecureJet even injects automatically the user email address and names in the email FROM field for better security.

SecureJet Auth-PX: identification using proximity cards/badges

SecureJet Auth-FP: identification using PIN codes entered on the MFP front panel

SecureJet Auth-SW: identification using magnetic swipe cards

SecureJet Auth-SC: identification using Jetmobile smartcards

SecureJet Auth-PXT: identification using PIN codes entered on an external terminal connected to the single-function printer

SecureJet Auth-Fingerprint: identification using users fingers on a state of the art biometrics sensor

This manual covers SecureJet Auth-PX.



SecureJet Print-SMP module

SecureJet Print-SMP offers you ultimate printing security that encrypts and secures the delivery of print jobs stored on the MFP hard disk or on a Windows server equipped with **SecureJet Print-PS**. Users must authenticate to access documents stored on the printer/MFP disk. Note that this system is not using the printer native print job retention mechanism.

Once the SecureJet hardware solution has been installed on the printer and the appropriate driver on the PCs or servers, MS-Windows applications offer to secure any printouts. The user can designate for whom the print job is intended, and whether or not it should be encrypted (for protection while travelling through the network), using state-of-the-art high-security encryption before leaving the computer of origin. Secure printing is also available from SAP R/3 and some Unix systems.

SecureJet Print-PS module

Print jobs can be retained on a print server, using **SecureJet Print-PS**, or directly on the target printer hard disk. Nothing further happens until the designated person reclaims the print jobs by using their personal card or entering their PIN code on the printer's SecureJet terminal. If the print job needs to be decrypted, this is done only while printing, so that even data on the hard disk gets the maximum protection.



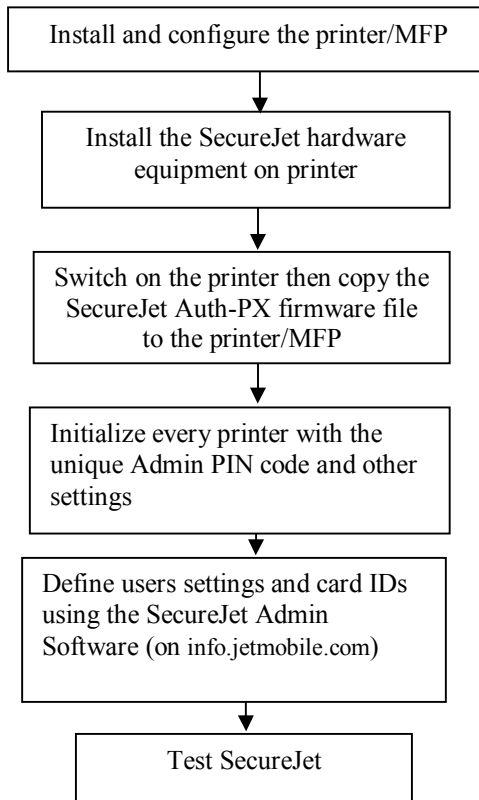
SecureJet Track-TRP module

The SecureJet Tracking module tracks and logs a lot of information about print/copy/ fax/email/scan jobs. SecureJet does not track the content of the documents. Confidentiality of the content is maintained.

2 - Installing SecureJet Auth-PX

In this section we will discuss the technical pre-requisites for using SecureJet Auth-PX. We will then review the various elements of the SecureJet product, and their uses for your configuration. Then we will review the possible installations for your configuration.

Recommended installation process



As support for new printers is regular, please visit www.jetmobile.com for the latest support list.

Technical pre-requisites

pre-requisites for the admin PC:

Operating Systems : Windows 2000/XP/2003.

pre-requisite for printers and MFPs:

Printers must be equipped with a JetDirect LAN card and must have one DIMM/CF slot available for this solution. A FSA hard disk might be mandatory on certain models (like MFPs) and is recommended for all other models.

Minimum:	<i>Firmware revision</i>	<i>Memory</i>
LJ2300	04.050.2	128 MB
LJ2410/2420/2430	08.109.2a or later	128MB
CLJ3700	06.006.0	192MB
LJ4100	01.040.2	128 MB
LJ4100MFP	03.801.1	192 MB
LJ4200/4300	04.020.3	128MB
LJ4250/4350	08.009.3a or later	128MB
LJ4345MFP	09.051.6 or later	256 MB
CLJ4600	03.015.0	128 MB
LJ4650	07.003.3	256MB
LJ4700	46.027.2	256MB
LJ4730MFP	46.121.2 or later	256MB
CLJ5500	04.020.3	128MB
LJ5550	07.007.3	256MB
LJ9000MFP	03.801.1	256 MB
LJ9040/9050	08.102.2 or later	128MB
LJ9000	02.516.0	128 MB
LJ9040MFP/LJ9050MFP	08.051.7 or later	256 MB
LJ9055MFP / 9065MFP (secure printing only)	07.001.0 or later	256 MB
DS9200C (no printing)	09.032.0	256 MB
CLJ9500	05.007.1	256 MB
CLJ9500MFP	08.051.7 or later	512 MB

Note: The printer or MFP must be connected to the LAN at boot time

SecureJet Auth-PX Authentication hardware

Your SecureJet Auth-PX hardware consists of the following elements:



SecureJet proximity cards/badge reader

(Connects to the CompactFlash and power supply)

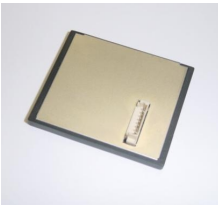
There is one reader per type of proximity card (HID, Mifare, Legic, or Hitag). The cards read by the reader is indicated with a mark below the reader on the compliance label:

- | | |
|---------------------------------|--------------------------------|
| <input type="checkbox"/> HID | <input type="checkbox"/> Hitag |
| <input type="checkbox"/> Legic | <input type="checkbox"/> |
| <input type="checkbox"/> Mifare | |



110-240V, 50/60Hz Multi-voltage Power supply

Connects to the Adapter and one of the Y-shaped female plugs.



Firmware + connection CompactFlash or DIMM

Connects to the SecureJet reader and contains the SecureJet firmware



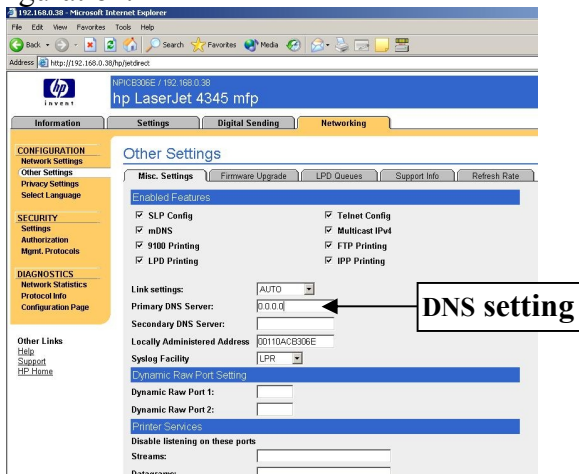
Y-shaped power cable

To connect to the power supply and to the printer (female plugs), and to the cable that originally was powering the printer (male plug).

The installation kit also includes four gum feet to apply to the bottom of the reader, a double sided adhesive removable tape to fix the reader on the printer/MFP case (if needed), and two adhesive cable brackets to route the reader cable from the back of the printer/MFP.

Printers network settings

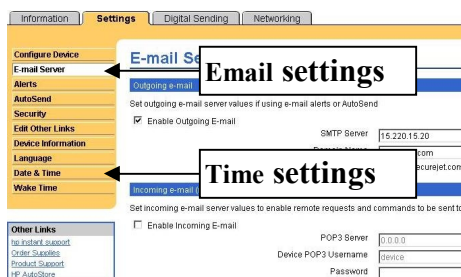
You must make sure that the DNS configured on printers equipped with SecureJet is always active, otherwise technical problems are likely to occur. If you have any doubt, please set the DNS address to 0:0:0:0. To set the DNS address, open the web-based printer networking configuration.



Time and Email settings:

To be able to perform fully print, email and copy jobs tracking, the printer must be configured with the correct time, and have Email settings defined.

Please access the Time Services and Email options of the Settings tab, and fill all fields as detailed in the MFP configuration manual.



The POP3 email fields must have a valid email login & password, otherwise SecureJet won't be able to email information.

SecureJet Auth-PX installation on CompactFlash printers

Printer boards can easily be damaged by small amounts of static electricity. When handling the board, frequently touch bare metal on the printer or wear an antistatic wrist strap.

Avoid moving around the work area to prevent static electricity to be generated.

Do not touch the printer board components, and handle the CompactFlash carefully at all times.

WARNING:

Hazardous voltages are present in the printer. Never remove any access cover or work near exposed electrical parts while power is connected.

- Switch off the printer/MFP
- Remove the power cable from the printer/MFP
- Connect the female plug on the badge reader on the male plug on the CompactFlash.
- Remove the formatter board in the back of the printer and install the SecureJet CompactFlash in a free slot which must not be the SYSTEM CODE slot". System code slots are indicated as such on the printer board.



Please refer to your HP LaserJet user manual for the solution CompactFlash modules installation procedure.

Please verify from the CompactFlash label that the SecureJet CF you are installing is compatible with your printer model.

You need to route the readers cables from the CompactFlash to the reader. The way to do it depends on the printer model.

On LJ4345mfp



Route the cable from the CF to the top right corner of the formatter cage. The reader cable black node must be inside the printer. Make a knot to the reader cable just at the cable length with you want inside the printer. That knot will prevent people from pulling on the cable. Put back the formatter cage plastic cover.



Route the cable from the back of the formatter cage to the front on the left side of the MFP using the two plastic cable brackets. Affix two of the removable adhesive tapes on the front panel as shown on the picture, and the two matching tapes on the back of the reader. Then put the reader in place.

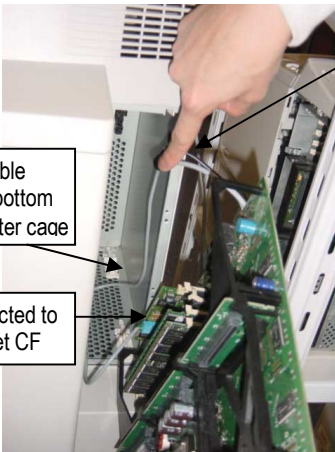


On LJ 9500mfp



Route the cable through the bottom of the formatter cage

Cable connected to the SecureJet CF



Hold the black node inside the right side of the formatter cage while inserting the formatter on the rails. The cable in the cage should route through from the CF to the back of the board through the bottom of the formatter board. The cable black node must be just next to the cage opening, to protect the wiring against cable pulling.

Route the cable through the formatter cage opening.



Affix the reader on top of the MFP

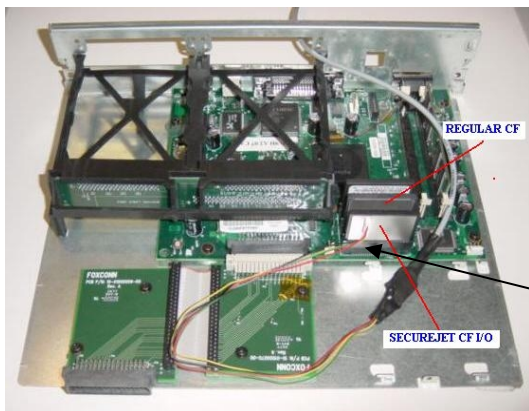


On LJ9040MFP/9050MFP/9040*/9050*



Route the cable through the formatter cage opening.

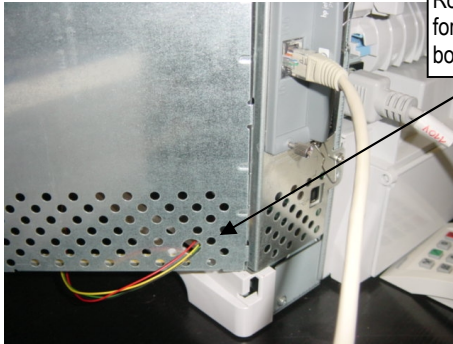
***On all hp9040/9050N/DN/DTN versions (Hard Disk required) :**



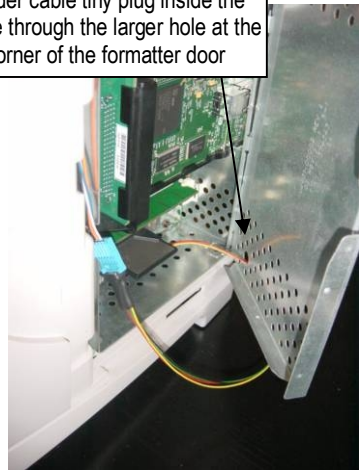
Plug the cable plug on the SecureJet CompactFlash then insert that CF in the bottom CF slot labelled J20

On LJ4250, 4350

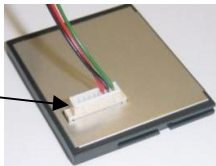
(and all N/DN/DTN versions) (**Hard Drive required**):



Route the reader cable tiny plug inside the formatter cage through the larger hole at the bottom right corner of the formatter door



Plug the cable plug on the SecureJet CompactFlash then insert that CF in the bottom CF slot labelled J14



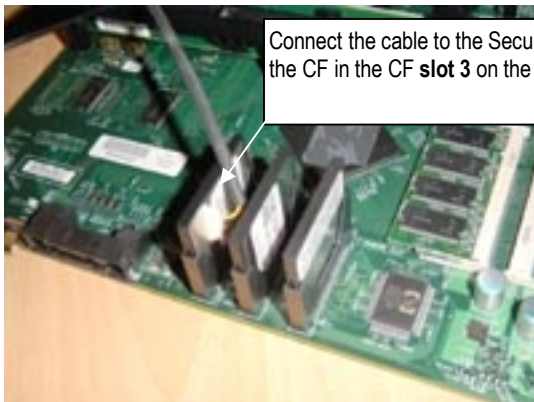
Route the cable to the back of the printer through the top of the formatter cage



Close the door, keep the extra wires length and make a knot inside the cage in case someone pulls on the cables.

On 4650/5550

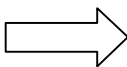
(and all N/DN/DTN versions) (Hard Drive required):



Connect the cable to the SecureJet CF then insert the CF in the CF **slot 3** on the formatter board



Hold the black node inside the right side of the formatter cage while inserting the formatter on the rails. The cable in the cage should route through from the DIMM to the back of the board through the bottom of the formatter board. The cable black node must be just next to the cage opening, to protect the wiring against cable pulling.

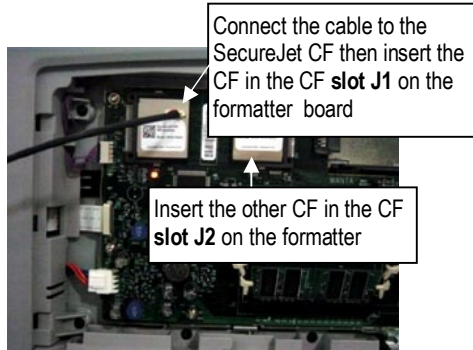


Route the cable through the formatter cage opening

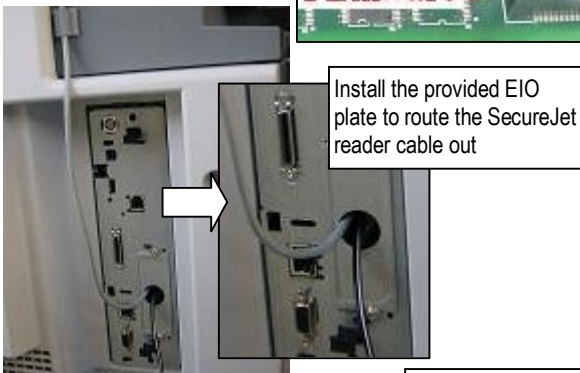
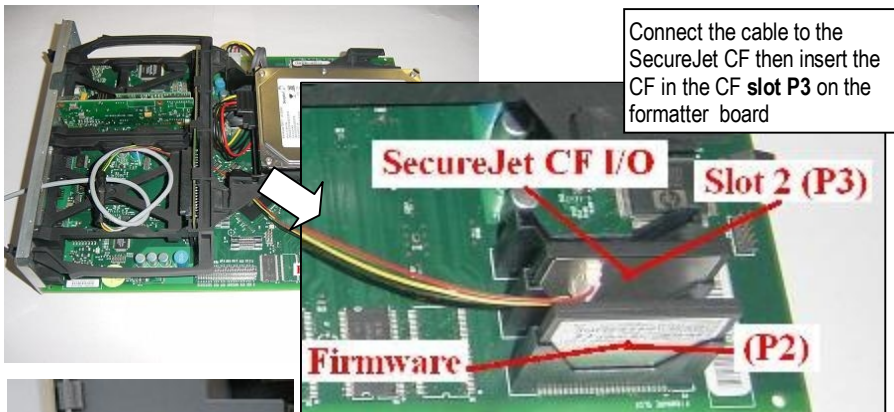


Affix the reader on top of the printer, like on this picture.

On LJ2410/2420/2430
(2 CompactFlash required):



On LJ 4700 & 4730mfp
(The EIO slot must be available):



Install the SecureJet reader on top of the 4730mfp using the adhesive tape & brackets

On LJ4700 the reader can be affixed on the front right or back right corners.

SecureJet Auth-PX installation on DIMM printers

Protecting the DIMM and printer Board

DIMM boards can easily be damaged by small amounts of static electricity. To remove any static electricity from your body touch the surface of the antistatic package before removing the board from its package. When handling the board, frequently touch bare metal on the printer or the antistatic bag or wear an antistatic wrist strap.

Avoid moving around the work area to prevent static electricity to be generated. Do not touch the DIMM components, and handle the DIMM carefully at all times.

CAUTION:

When removing the DIMM board from the antistatic bag, do not touch the metal traces on the board.

WARNING:

Hazardous voltages are present in the printer. Never remove any access cover or work near exposed electrical parts while power is connected.

- Switch off the printer/MFP
- Remove the power cable from the printer/MFP
- The connector on the badge reader cable has 6 connections. The connector on the DIMM has only 4 connections. Connect the reader to the DIMM so that the first four wires of the reader connector are connected (as shown in the picture). The reader or DIMM won't suffer if you make a mistake.
- Remove the formatter board in the back of the printer and install the SecureJet DIMM in a free slot



The SecureJet DIMM board has to be installed exactly like a RAM DIMM board. Please refer to your HP LaserJet user manual for the RAM DIMM modules installation procedure. Please verify from the DIMM label that the SecureJet DIMM you are installing is compatible with your printer model. You need to route the readers cables from the DIMM to the reader. The way to do it depends on the printer model.

For LJ4100mfp, 4101mfp, 4200, 4300 (and all N/DN/DTN versions):



Route the cable out of the formatter cage through the top left corner of the door



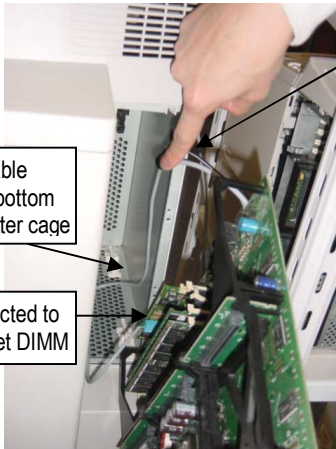
Route the cable to the back of the printer through the top of the formatter cage



Affix the reader on top of the printer, like on the 4100mfp or 4101mfp on this picture.

Keep the extra wires length and the black node inside the cage in case someone pulls on the cables.

For LJ3700, 4600, 5500, 9500 (and all N/DN/DTN versions) :



Route the cable through the bottom of the formatter cage

Cable connected to the SecureJet DIMM

Hold the black node inside the right side of the formatter cage while inserting the formatter on the rails. The cable in the cage should route through from the DIMM to the back of the board through the bottom of the formatter board. The cable black node must be just next to the cage opening, to protect the wiring against cable pulling.



Route the cable through the formatter cage opening.



Affix the reader on top of the printer, like on the LJ5500 on this picture.

For LJ9000 and 9000mfp:



Route the cable from the DIMM to the bottom of the formatter. The reader cable black node must be outside of the printer. Make a knot to the reader cable just at the cable length with you want inside the printer. That knot will prevent people from pulling on the cable. Leave at least 10cm (4 inches) between the knot and the black node so that you can easily route the reader cable out of the formatter cage.

Knot to make inside the formatter cage

Reader cable black node outside the formatter cage

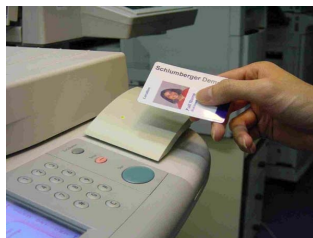


The reader cable must go through the small cage hole 8mm (1/3 ") from the bottom of the formatter back. The cable should not be crushed



Left side

For the 9000mfp, affix the reader on the front panel, on the right or left side as wanted. On LJ9000 you can affix the reader on top.



Right side



On the 9000mfp, when the reader is affixed on the left side of the front panel, route the cable below the scanner output tray and affix the cable using the plastic adhesive clips

Installation process (continuing):

- Connect the reader power plug to the power supply plug
- Connect the power supply to the Y-shaped power cable
- Connect the two other plugs of the Y-shaped power cable to the cable that originally was powering the printer and to the printer. When you do so, the SecureJet Auth-PX reader LED briefly flashes.
- Switch on the printer



3- Installation of firmware files

Your DIMM or CF Card already contains the SecureJet firmware. In case you need to reinstall the latest SecureJet firmware files on the SecureJet CompactFlash card or hard disk, those files are on the Jetmobile web site, to make sure you always get the latest version.

Please note that beyond 90 days you must have a valid maintenance contract to perform such upgrades.

Connect to <http://www.jetmobile.com/infocenter>

Click on *Public information center* then *SecureJet (end-users)* then *Firmware files* then *SecureJet-5.0*.

This folder contains the firmware files to download to the printer disks. Those files are compressed as ZIP files and must be decompressed (they then have .PJL or RFU extensions).

Downloading the PJL/RFU file using the parallel port:

Connect to the printer using a parallel cable and send the file to the printer using the following command:

```
Copy /b <filename> LPT1
```

Where <filename> is the name of the firmware PJL/RFU file.

Downloading the PJI/RFU file using the JetDirect LAN card:

Open a FTP client. Under Windows 2003 Server, 2000 and XP, access a DOS command line and type:

```
ftp <printerIPAddress>
```

where <printerIPAddress> is the IP address of the printer.

When prompted for login and password, just press enter, you are then connected.

To send the file to the printer, type “**bi**” followed by the ENTER key . Then type **put <filename>** followed by the ENTER key.

where <filename> is the name of the firmware file to send to the printer.

Downloading the PJI/RFU file using the JetSpool utility:

Download the free JetSpool utility from the Jetmobile web site. This tool allows you to select a Windows printer and send a file.

Some warning/error messages about disk errors may show up during the download, please just ignore them.

Once the file is copied it self-installs and restarts automatically the printer two or more time.

After the last reboot you may verify if SecureJet is installed:

- Print a configuration page from the printer front panel. SecureJet should be listed as an active application on the left part of the first configuration page.
- Access the printer web page (with the 3 or 4 tabs: Information, Settings, Digital Sending, Networking). If those 4 tabs don't show up, wait a few minutes. If they still don't show up, verify that your printer is LAN connected and that the DNS setting is valid and responding. If you make any fix, reboot the printer.

- Click on the Settings tab. Verify that you see a “SecureJet” option on the left side menu. If SecureJet does not show up, verify that your printer has enough memory and that the minimum firmware level requirement is met. You may need to reinstall SecureJet if all minimum requirements are met.

When SecureJet is installed it relies on the printer web page security. Please make sure you changed the default password to your own.

Note: Printer firmware updates might uninstall SecureJet and its files so we strongly recommend to switch off the printer and remove any SecureJet media from it before switching it back on and performing the printer firmware update.

4 – Configuring SecureJet Auth-PX authentication

To configure SecureJet Auth-PX and activate the authentication for the various MFP functions (copy, fax, email, secure printing...) please refer to the **SecureJet configuration** guide. This manual, common to all SecureJet products, covers the loading of users list and configuration of options on SecureJet.

SecureJet must have been correctly configured with a list of users and badges or a live Active Directory authentication to perform all following tests.

5 – Authenticate for secure printing (printers)

Reach the printer, and show your badge to the reader, at a distance up to 3 cm. The printer looks on its hard drive and on remote servers for your jobs, and releases them.

Please refer to the SecureJet “Secure Printing” manual for more information.

6 – Authentication for a MFP function button

Function buttons allow to make copies, fax, emails, SecureJet Secure Printing, scan to folder etc. The function button must have been linked to the SecureJet authentication using hp Web JetAdmin, the printer configuration web page or the SecureJet Admin Software.

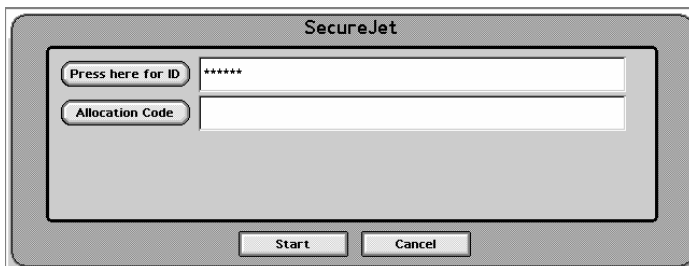
Example with SecureJet authenticating the copy button on 4730mfp

The hp LaserJet 4730mfp is working in a manner similar to the LJ4345mfp, 9040mfp, 9050mfp, 9500mfp and Digital Sender 9200C.



Reach the MFP, press the “COPY” button to make a copy and put some pages in the document feeder. The SecureJet authentication screen or message shows up, requesting to show the badge.

After the beep, show your badge to the reader, at a distance up to 3 cm. The reader beeps and the confirmation screen shows up, with the card ID appearing in the ID field as *****.



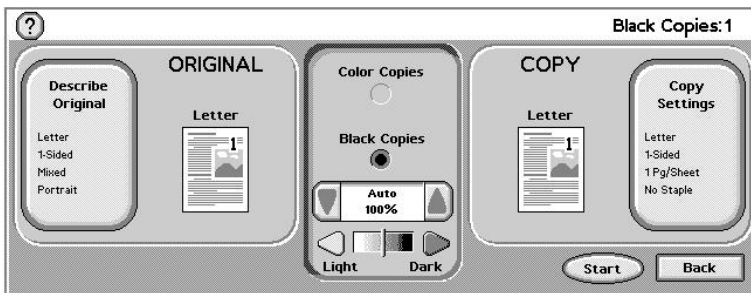
If no card is shown to the reader the above screen shows up with no ID code. The user can then enter manually his ID (badge number, PIN code) in case he forgot his badge at home. This is done by pressing on the **Press here for ID**. A new screen shows up, in which the ID can be entered (decimal value only, no hexadecimal values).

Note: This screen can be skipped by activating the “no billing code” in the SecureJet configuration. That allows to make a shortcut and directly access the function upon card reading.

Press the **OK** button in that screen to validate the entry and go back to the main screen.

If you wish to enter a billing code, press the “**Allocation Code**” button. A new screen appears, in which you can enter the billing code. Press the **OK** button in that screen to validate the entry.

You are now authenticated, the copy screen shows up.

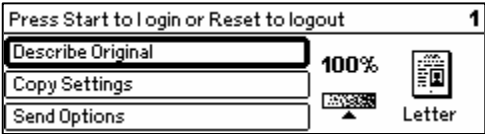


If the ID code is invalid, the following error messages shows up:



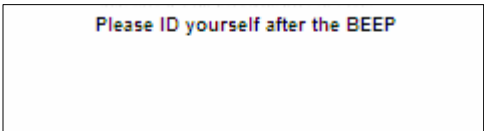
Example with SecureJet authenticating copy on 4100mfp

Reach the MFP to make a copy and put some pages in the document feeder. The following display greets you:

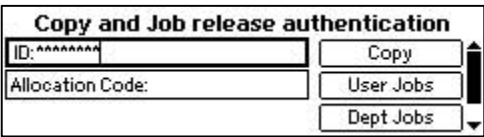


As indicated on the top line of the screen, press the largest button (the **Start** button) to login into SecureJet.

The following screen appears:
Show your badge to the reader,
at a distance up to 5cm.



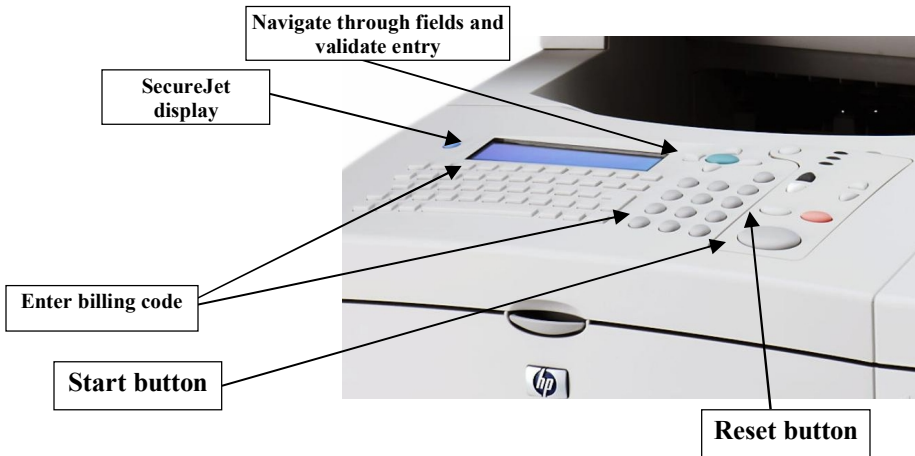
The reader beeps and the
following screen show up:



The card ID appears in the ID:
field. If no card is shown to the reader that screen will show up with
no ID code. Users can then enter manually their badge ID in case they
have forgotten their badge at home.

Enter any appropriate billing code if required in the “Allocation
Code:” field. The cursor is moved from one field to the other and one
button to the other using the navigation keys on the right side of the
display. If there are more fields available than can fit on the display,
the list automatically scrolls. The active field/button has a thick
border.

Data can be typed either by using the keyboard and/or the numeric
keypad.



The entry must be validated by putting the cursor on a button on the right side of the screen, then by pressing the green button next to the navigation arrows.

In the current case, launch the copy job by selecting the button on the display. The copy is performed as your card ID is authenticated.

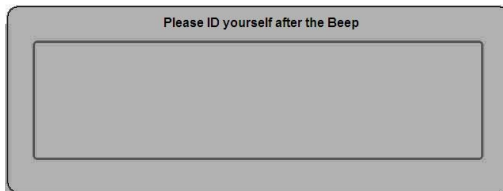
If the card ID is invalid, the copy is denied.

Note: If you are not using secure printing you can shorten the authentication to the minimum by activating the ☒ **No billing code** and the ☒ **No job release**. options in the SecureJet configuration. Upon reading a valid badge the copy or digital sending is instantly authorized.

Example with SecureJet Auth authenticating copy on 9000mfp

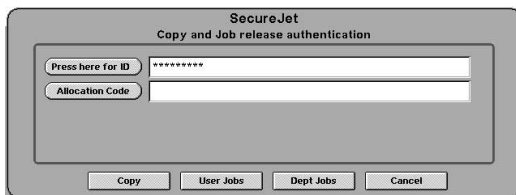
Reach the MFP to make a copy and put some pages in the document feeder. As indicated on the top line of the screen, press the largest button (the **Start** button) to login into SecureJet.

The following screen appears:



Show your badge to the reader, at a distance up to 5cm.

The reader beeps and the following screen shows up:



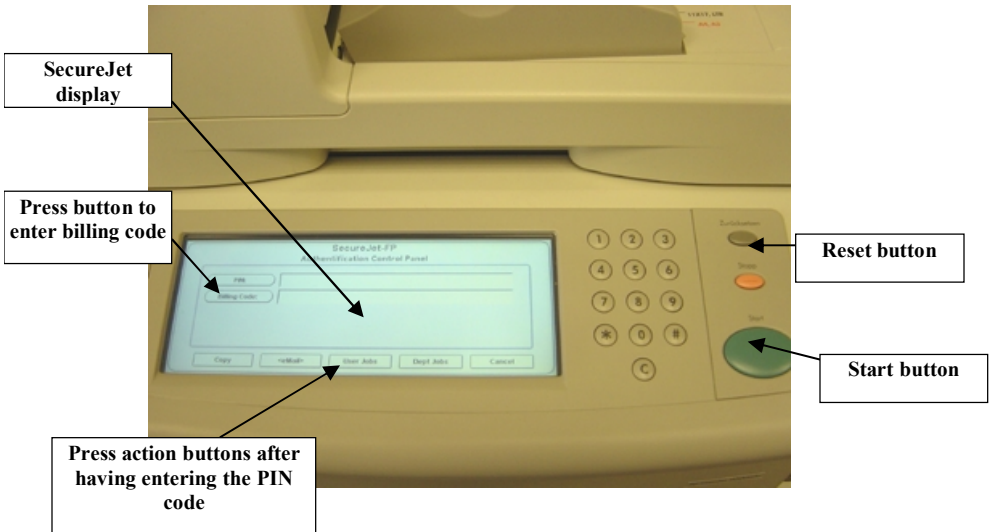
The card ID appears in the ID: field. If no card is shown to the reader that screen will show up with no ID code. Users can then enter manually their badge ID in case they have forgotten their badge at

home. This is done by pressing on the **Press here for ID** button. A new screen appears, in which you can enter your badge ID (decimal value only, no hexadecimal values).

Press the **OK** button in that screen to validate the entry and go back to the main screen.

If you wish to enter a billing code, press the "**Billing Code**" button. A new screen appears, in which you can enter the billing code. Press the **OK** button in that screen to validate the entry.

Enter the data using the pop-up keyboard then press the **OK** button.



Launch the copy job by selecting the **Copy** button on the display and pressing the green button.

If the Copy button text is enclosed between < >, this means the Copy control has been deactivated in the SecureJet configuration. You may press it to use it without entering any ID value.

The copy is performed as your card ID is authenticated.
If the card ID is invalid, the copy is denied.

Note: If you are not using secure printing you can shorten the authentication to the minimum by activating the ☒ **No billing code** and the ☒ **No job release** options in the SecureJet configuration. Upon reading a valid badge the copy or digital sending is instantly authorized.

7 – Front panel messages and troubleshooting

When using SecureJet you will encounter some information messages on the printer/MFP display. Those messages may appear in the language selected on the configuration page.

Information messages

Please show your badge

CAUSE You tried to make a copy without logging-in.
SOLUTION Log into SecureJet by showing your badge

Invalid ID, X try left.

CAUSE The supplied card ID is not valid. You have X try left before locking the login for an admin-defined delay.
SOLUTION show a valid card

Use only digits for card ID.

CAUSE The card ID entered had non-digit characters
SOLUTION Show your badge or Enter your card ID (digits only). Make sure any hexadecimal card ID is converted to decimal value and has no more than 9 digits.

Login denied for X s.

Where X has any value between 1 and 99

CAUSE The user has entered too many wrong ID codes and the login locked-up to prevent ID code scanning.
SOLUTION Please wait until the lockout time is over (delay defined by the admin) and enter a valid card ID.

SecureJet initializing. Please try later.

CAUSE SecureJet is starting after the printer boot and the Chai service of the printer/MFP is not yet running.

SOLUTION Please wait until the printer web server starts. If it does not start, please verify the DNS and RAM settings, and set the DNS to “0.0.0.0”.

Retrieving from Printer.

CAUSE SecureJet retrieved the user or department jobs from the printer hard disk

Solution N/A

Retrieving from server X.

CAUSE SecureJet retrieves the user or department jobs from the SecureJet PS print server number X (1 to 5)

Solution N/A

Retrieving from your server.

CAUSE SecureJet retrieves the user or department jobs from the SecureJet PS print server hosting your account.

Solution N/A

ID update in progress. Try Later.

CAUSE A badges list is currently being uploaded to the printer.

SOLUTION Please wait for the end of the list upload.

Error messages

NO ID UPDATE. CONTACT ADMIN

CAUSE The printer has not been initialized with a badges list.

SOLUTION Use the SecureJet Admin Software to send a valid list to the printer (please read chapter 7).

Corrupted IDs list. Contact Admin.

CAUSE The list of users and IDs is corrupted.
SOLUTION Please contact the administrator.

Chosen language not available

CAUSE SecureJet is not active in the printer
SOLUTION Print the printer configuration pages and verify that the SecureJet application is active.

SJ system error(sync). Please Reboot.

CAUSE An internal synchronization process failed
SOLUTION Reboot the printer

SJ print request failed.

CAUSE SecureJet could not release a stored job
SOLUTION Retry the process or delete the job

Hard disk operation failed.

CAUSE A hard disk read/write operation failed.
SOLUTION The disk might need a reformatting, or might be defective.

SJ failed to post AUTH request

CAUSE An internal Communication process failed.
SOLUTION Please verify if the LAN is alive at the printer, and if you can access the printer internal configuration WEB page (note: the paged with 3 tabs).

SJ IP connexion failed (SC).

CAUSE SecureJet could not establish an IP connection.
SOLUTION Please verify if the LAN is alive at the printer, and if you can access the printer internal configuration WEB page (note: this is not the JetDirect web page).

Server X does not respond.

CAUSE The SecureJet PS server hosting your jobs does not answer requests.

SOLUTION Verify the network and the SecureJet PS status.

SJ out of memory. Please reboot

CAUSE SecureJet could not get enough memory from the printer.

SOLUTION Reboot the printer or add memory to the printer if required.

SJ read error from server.

CAUSE A hard disk read/write operation failed.

SOLUTION The disk might need a reformatting, or might be defective.

SJ invalid PS server..

CAUSE Identification process between a SecureJet-PS server and SecureJet Auth-PX failed.

SOLUTION Verify the SecureJet-PS IP addresses, and the compatibility between the versions of SecureJet-PS and SecureJet Auth-PX.

DEPT does not exist on servers.

CAUSE SecureJet could not find any jobs for the department on any SecureJet-PS server

SOLUTION N/A.

USER does not exist on servers.

CAUSE SecureJet could not find any jobs for the user on any SecureJet-PS server

SOLUTION N/A.

8 - Warrantee information

Hardware warrantee information

Jetmobile warrants all SecureJet components to be free from defects, and will—at our option—repair or replace the product should it fail within one year from the first date of shipment. This warranty is limited to defects in workmanship or materials, and does not cover customer damage, abuse or unauthorized modification. If this product fails or does not perform as warranted, your sole recourse shall be repair or replacement as described above. Under no condition shall **Jetmobile** be liable for any damages incurred by the use of this product. These damages include, but are not limited to, the following: lost profits, lost savings and incidental or consequential damages arising from the use of or inability to use this product. **Jetmobile** specifically disclaims all other warranties, expressed or implied, and the installation or use of this product shall be deemed an acceptance of these terms by the user.

FCC rules – radio and TV interference

SecureJet generates and uses radio frequency energy, and if not installed and used properly—that is, in strict accordance with the manufacturer's instructions—may cause interference to radio and television reception. SecureJet has been tested and found to comply with the limits for a Class A computing device in accordance with the specifications in Subpart J of Part 15 of FCC rules, which are designed to provide reasonable protection from such interference in a commercial installation. However, there is no guarantee that interference will not occur in a particular installation. If SecureJet does cause interference to radio or television reception, which can be determined by disconnecting the Adapter from all its plugs, the user is encouraged to try to correct the interference by one or more of the following measures: moving the computing equipment away from the receiver, re-orienting the receiving antenna and/or plugging the receiving equipment into a different AC outlet (such that the computing equipment and receiver are on different branches).

Service

All warranty and out-of-warranty repairs must be returned freight prepaid and insured to Jetmobile. All returns must have a Return Materials Authorization number on the outside of the shipping container. This number may be obtained from Jetmobile Technical Support at support@jetmobile.com.

Note: Packages received without an RMA number will not be accepted.

Jetmobile distributors are also available to answer any questions that might arise concerning the installation or use of your SecureJet.

Hardware specifications

- Typical maximum read range: up to 3 inches (7.5 cm)
- Dimensions (mm): 115 H x 80 W x 24 D
- Material of housing: ABS
- Supply voltage 9-12 VDC, current 100 mA
- Operating temperature: -31°F to 113°F (-35°C to 45°C)
- Operating humidity: 0-95% relative humidity non-condensing.
- Weight: 180 g
- Operating frequency: **125 kHz** (HID Prox, Hitag, EM-Marin)
13.56 MHz (Mifare, DESfire, ISO 15693, ISO 14443A/B, Legic, HID *iClass*)

DECLARATIONS OF CONFORMITY

We,

Jetmobile SAS

89 rue du Gouv General Eboue

92130 Issy-les-Moulineaux

France

declare under our sole responsibility that the products

1. **SecureJet V5 Auth-PX reader for HID Prox badges**
2. **SecureJet V5 Auth-PX reader for Hitag 1 badges**
3. **SecureJet V5 Auth-PX reader for EM-Marin badges**

to which this declaration relates, are in conformity with the following standards and/or other normative documents.



ETSI EN 300 330 (04-1998)

PN – EN 55022 (10-2000)

PN – EN 55024 (09-2000)

FCC Part 15 Section 209



We hereby declare that the above named product is in conformity with the essential requirements and other relevant provisions of Telecommunication Directive (Dz. U.2000, nr 73 pos. 852). The technical documentation relevant to the above equipment will be held at

Jetmobile SAS

89 rue du Gouverneur General Eboue

92130 Issy-les-Moulineaux

France

Jean-François d'Estalenx

(Name)

(Signature)

Head of Development

(Title)

July 3rd, 2006

(Date)

We,
Jetmobile SAS
89 rue du Gouv General Eboue
92130 Issy-les-Moulineaux
France

declare under our sole responsibility that the products

1. **SecureJet V5Auth-PX reader for Mifare/ISO15693&14443A/B**
2. **SecureJet V5 Auth-PX reader for Legic badges**
3. **SecureJet V5 Auth-PX reader for HID iClass badges**

to which this declaration relates, are in conformity with the following standards and/or other normative documents.



ETSI EN 300 330 (04-1998)
PN – EN 55022 (10-2000)
PN – EN 55024 (09-2000)
FCC Part 15 Section 209 + 225



We hereby declare that the above named product is in conformity with the essential requirements and other relevant provisions of Telecommunication Directive (Dz. U.2000, nr 73 pos. 852). The conformity assessment procedure has been followed by URTiP – GP – CLBT ul. Kasprzaka 18/20, Warsaw, POLAND Ref. CLBT/C/138/2003

The technical documentation relevant to the above equipment will be held at:

Jetmobile SAS
89 rue du Gouverneur General Eboue
92130 Issy-les-Moulineaux
France

Jean-François d'Estalensx
(Name)

(Signature)

Head of Development
(Title)

July 3rd, 2006
(Date)

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