

English

SHORT GUIDE

---

# PrinterSet

*CUSTOM*®



**USER INTERFACE**



**CONFIGURATION UPLOAD**



**CONFIGURATION**



**SAVE CONFIGURATION**



**LOGOS MANAGEMENT**



**SERVICE TOOLS**



**FIRMWARE UPGRADE**



**TICKET MANAGEMENT**



**STATUS MONITORING**



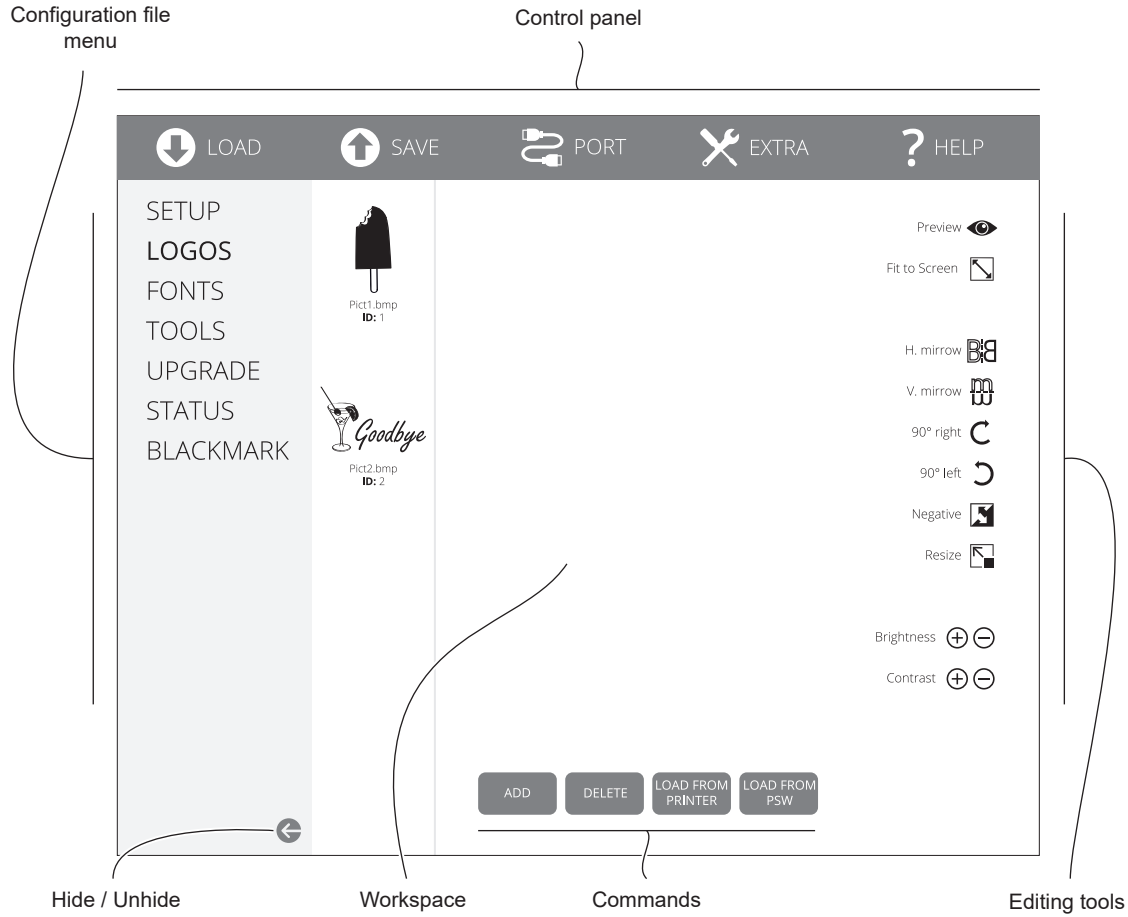
**SETTING FROM COMMAND LINE**



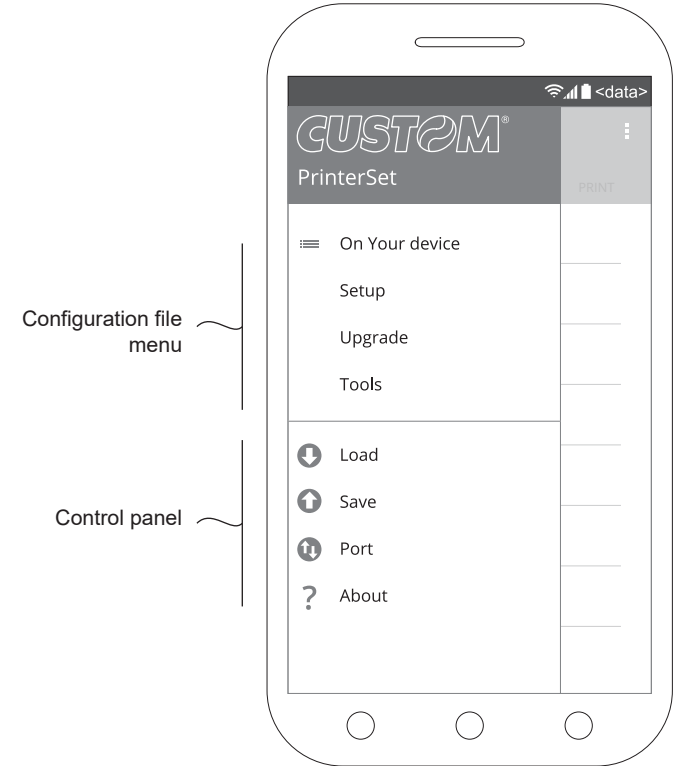


# USER INTERFACE

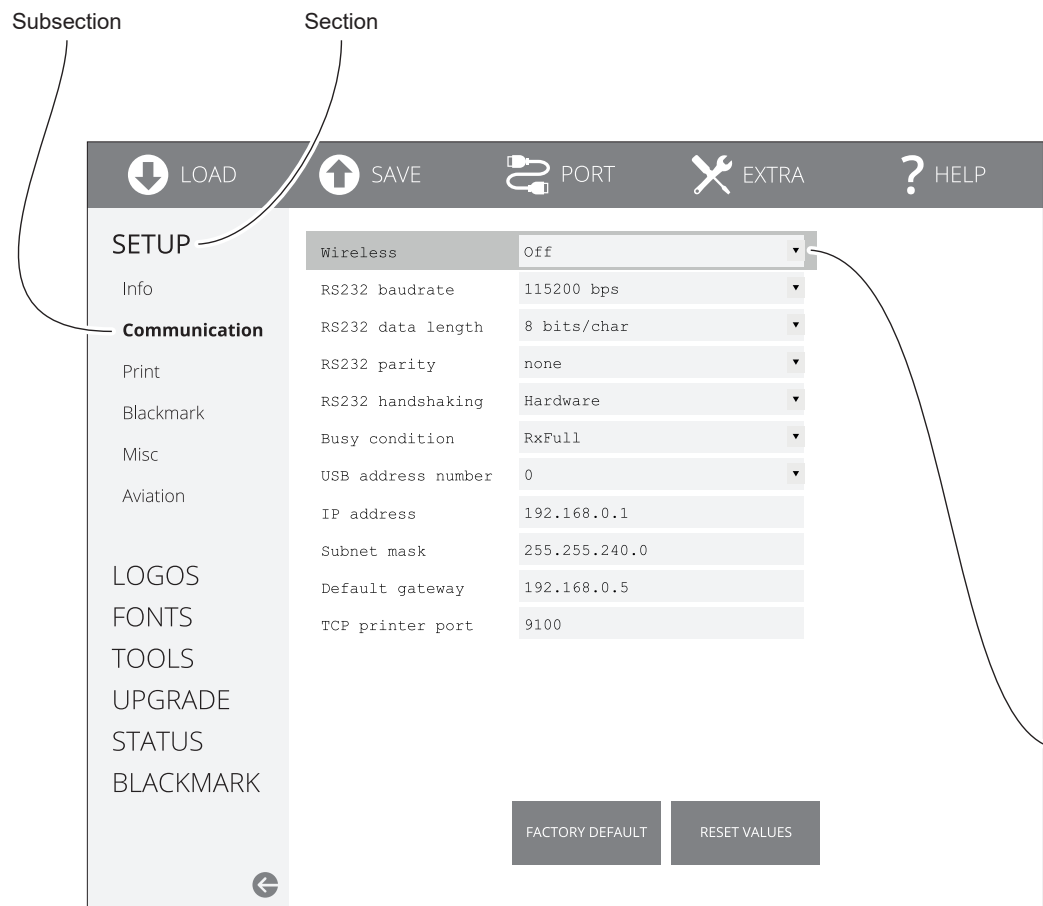
The items described may change depending on the model of the connected device.



PC interface

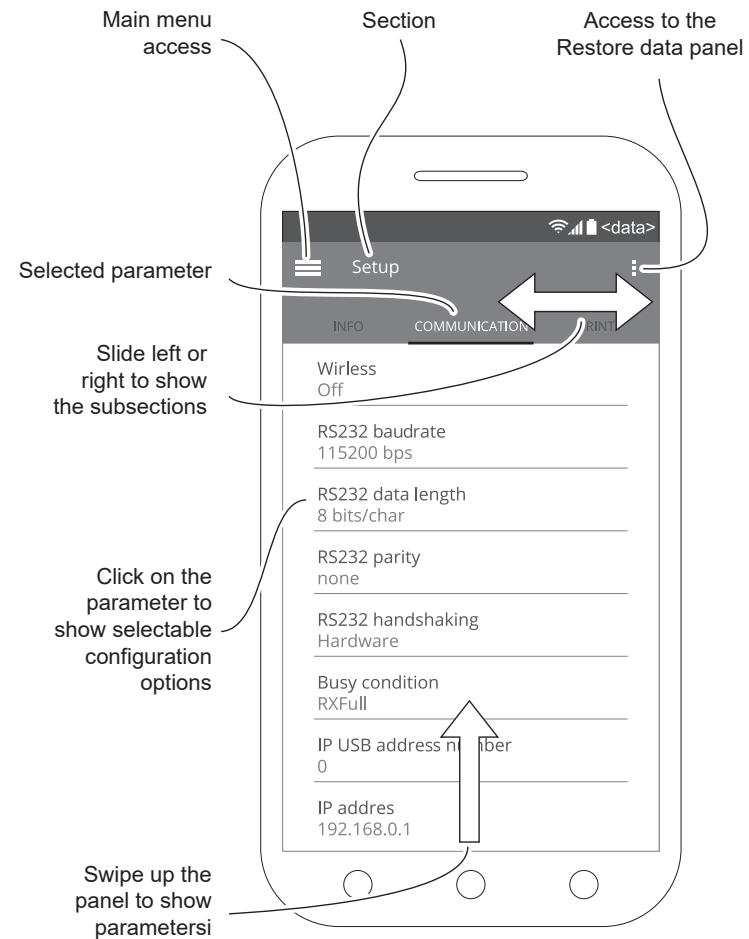


Mobile interface



Click on the arrow to display the drop-down menu with selectable configuration options

PC interface



Mobile interface



# CONFIGURATION UPLOAD

PrintrSet allows to load a configuration file, previously created with PrinterSet and saved on the PC (feature not available on Mobile PrinterSet), or loading and changing the configuration of connected device.

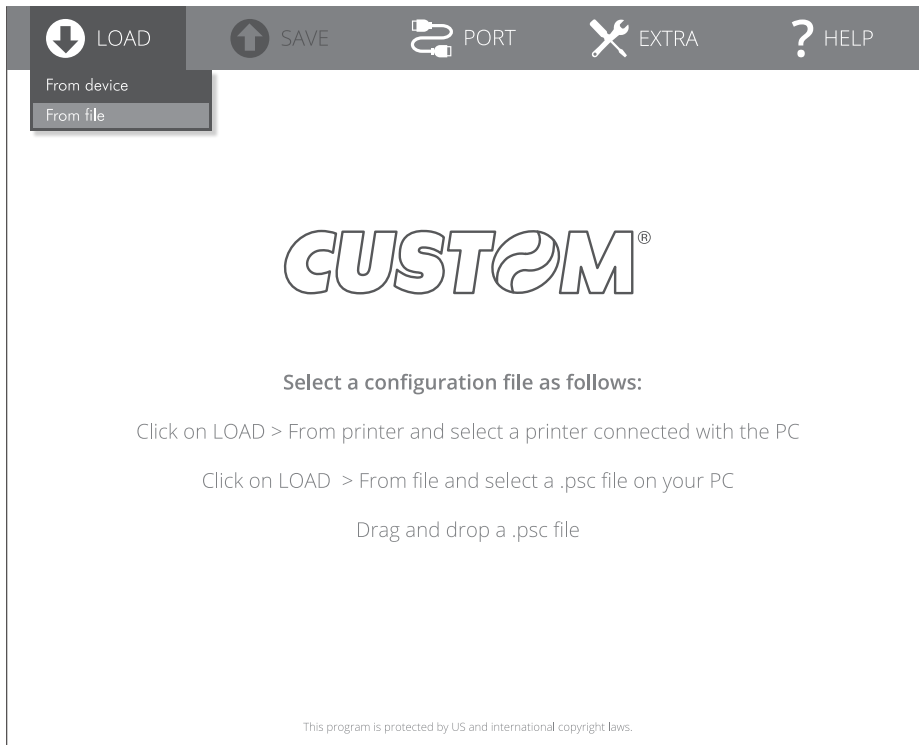
## Uploading file (PC interface)

Proceed as follows:

- Click on LOAD > FROM FILE.
- Select the configuration file .psc on the PC and confirm.
- Wait loading data.

## Uploading file (mobile interface)

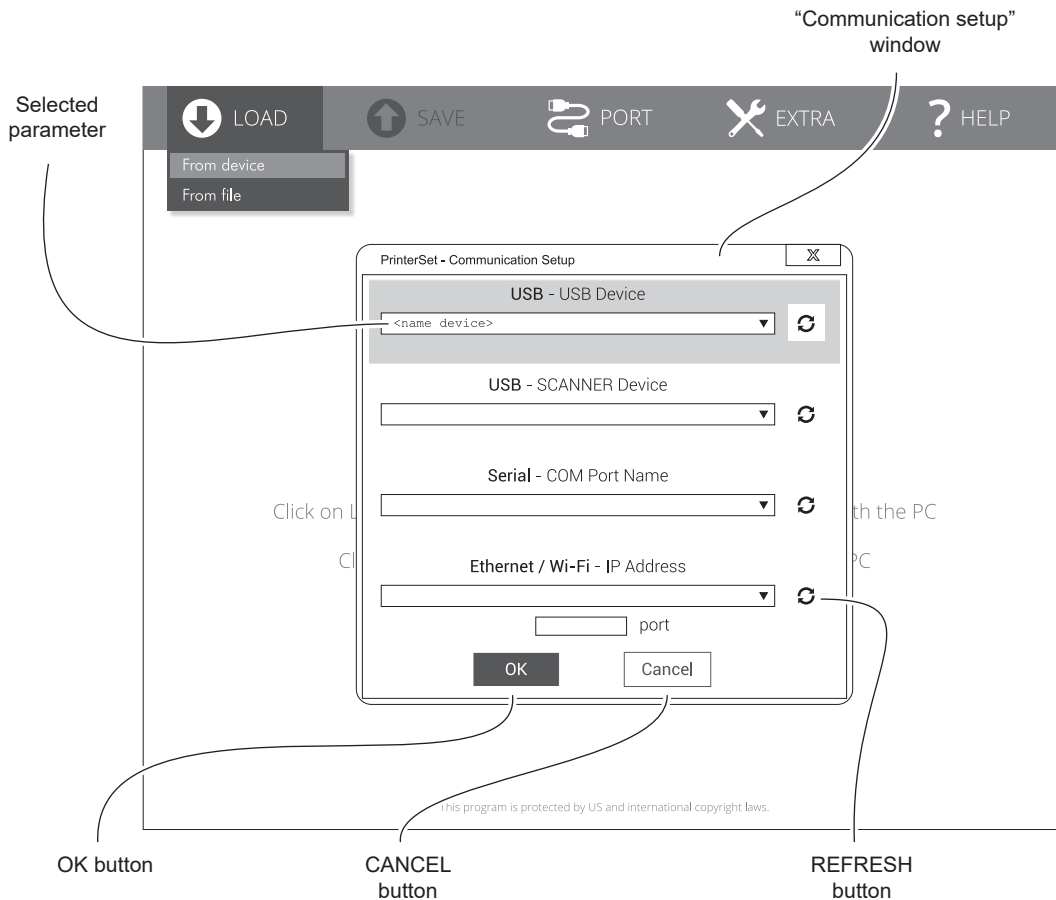
Feature not available on Mobile PrinterSet.



## Upload from device (PC interface)

Proceed as follows:

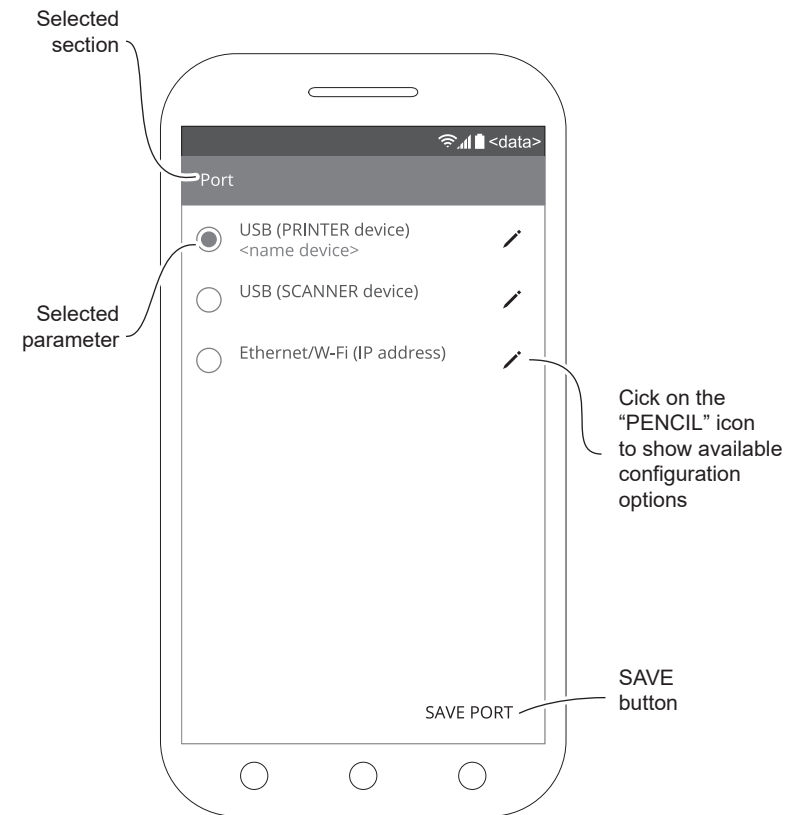
- Switch on the device.
- Connect the device to the PC (with appropriate interface).
- Click on LOAD > FROM DEVICE.
- The windows "Communication setup" is displayed with the available connections between the PC and the device.
- Select the type of connection (e.g. USB port).
- If the device is not listed, click on refresh icon.
- Click on OK to confirm.
- Wait loading data.



## Upload from device (mobile interface)

Proceed as follows:

- Switch on the device.
- Connect the device to the mobile (with the appropriate interface).
- The windows "Port" is displayed with the available connections between the mobile and the device.
- Select the type of connection (e.g. USB port).
- If the device is not listed, click on the "PENCIL" icon to show the available configuration options.
- Click on SAVE PORT to confirm.
- Wait loading data.





# CONFIGURATION

Following section is to adjust and modify functioning and configuration parameters.

## Configuration (PC interface)

- Upload the configuration file, see [CONFIGURATION UPLOAD](#) paragraph.
- Click on SETUP.
- Click on the desired subsection:
  - Info: device information (firmware release, modules)
  - Communication: communication parameters configuration
  - Print: printing parameters configuration
  - Blackmark: blackmark parameters configuration
  - Misc: additional parameters configuration
  - Aviation: aviation parameters configuration
- Change the required parameters referring to the user manual of the connected device for the list of available parameters.
- To apply modifications, see [SAVE CONFIGURATION](#) paragraph.

## Configuration (mobile interface)

- Upload the configuration file, see [CONFIGURATION UPLOAD](#) paragraph.
- Click on SETUP.
- Click on the desired subsection:
  - Info: device information (firmware release, modules)
  - Communication: communication parameters configuration
  - Print: printing parameters configuration
  - Blackmark: blackmark parameters configuration
  - Misc: additional parameters configuration
  - Aviation: aviation parameters configuration
- Change the required parameters referring to the user manual of the connected device for the list of available parameters.
- To apply modifications, see [SAVE CONFIGURATION](#) paragraph.

Subsection      Selected parameter

Wireless	Off
RS232 baudrate	115200 bps
RS232 data length	8 bits/char
RS232 parity	none
RS232 handshaking	Hardware
Busy condition	RxFull
USB address number	0
IP address	192.168.0.1
Subnet mask	255.255.240.0
Default gateway	192.168.0.5
TCP printer port	9100

Selected parameter

Setup

INFO    COMMUNICATION    PRINT

Wireless  
Off

RS232 baudrate  
115200 bps

RS232 data length  
8 bits/char

RS232 parity  
none

RS232 handshaking  
Hardware

Busy condition  
RxFull

IP USB address number  
0

IP address  
192.168.0.1



# SAVE CONFIGURATION

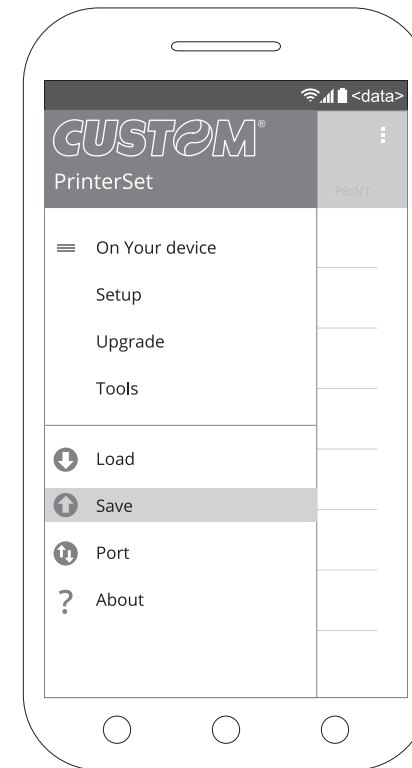
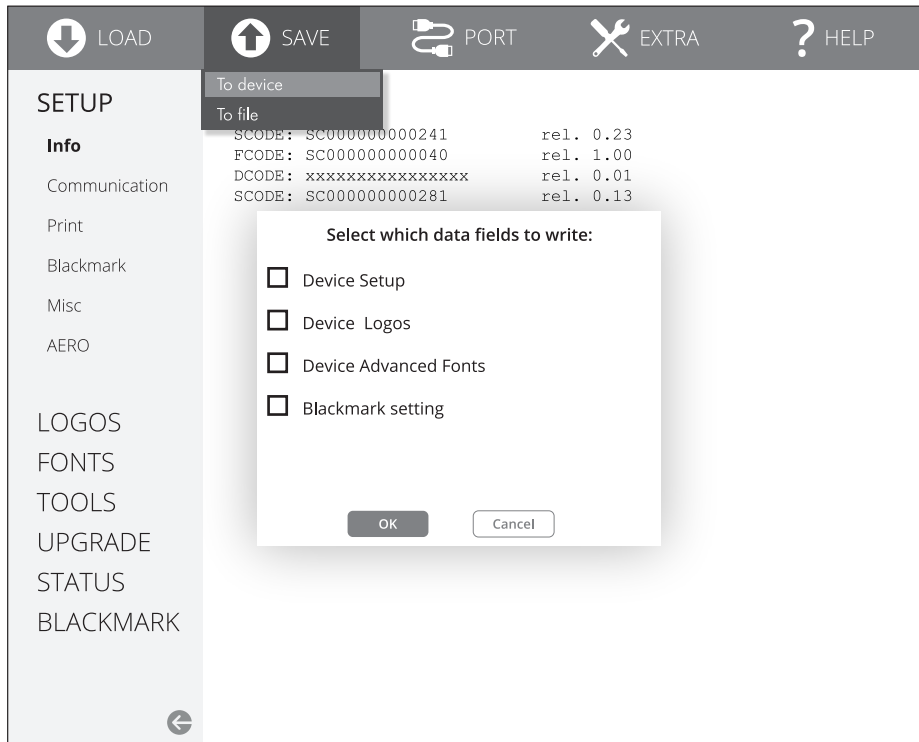
Once the configuration is completed, it can be saved on the connected device or on the PC (file with .psc extension) for further use.

## Save on connected device (PC interface)

- Click on SAVE > TO DEVICE.
- On the displayed window select one or more section to include in the configuration
- Click on OK to confirm.
- Wait loading data.

## Save on connected device (mobile interface)

- From main screen click on SAVE
- Wait loading data.



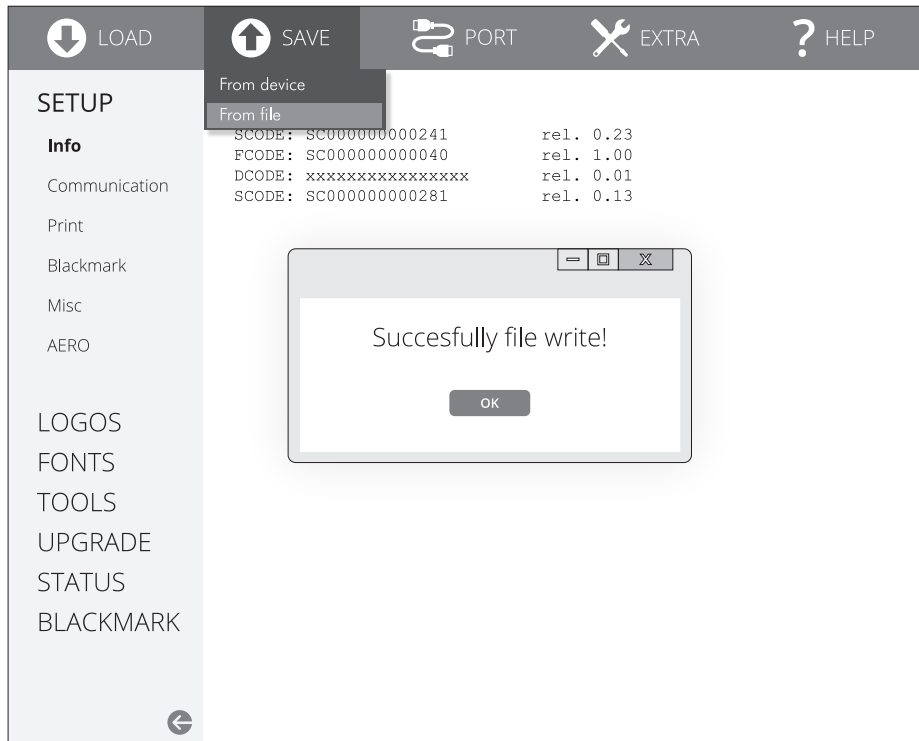


### Save on file (.psc)

- Click on SAVE > TO FILE.
- Click on SAVE to confirm file path
- Click on OK no the pop-up window
- Wait for saving data.

### Save on file (mobile interface)

This feature is not available on Mobile PrinterSet



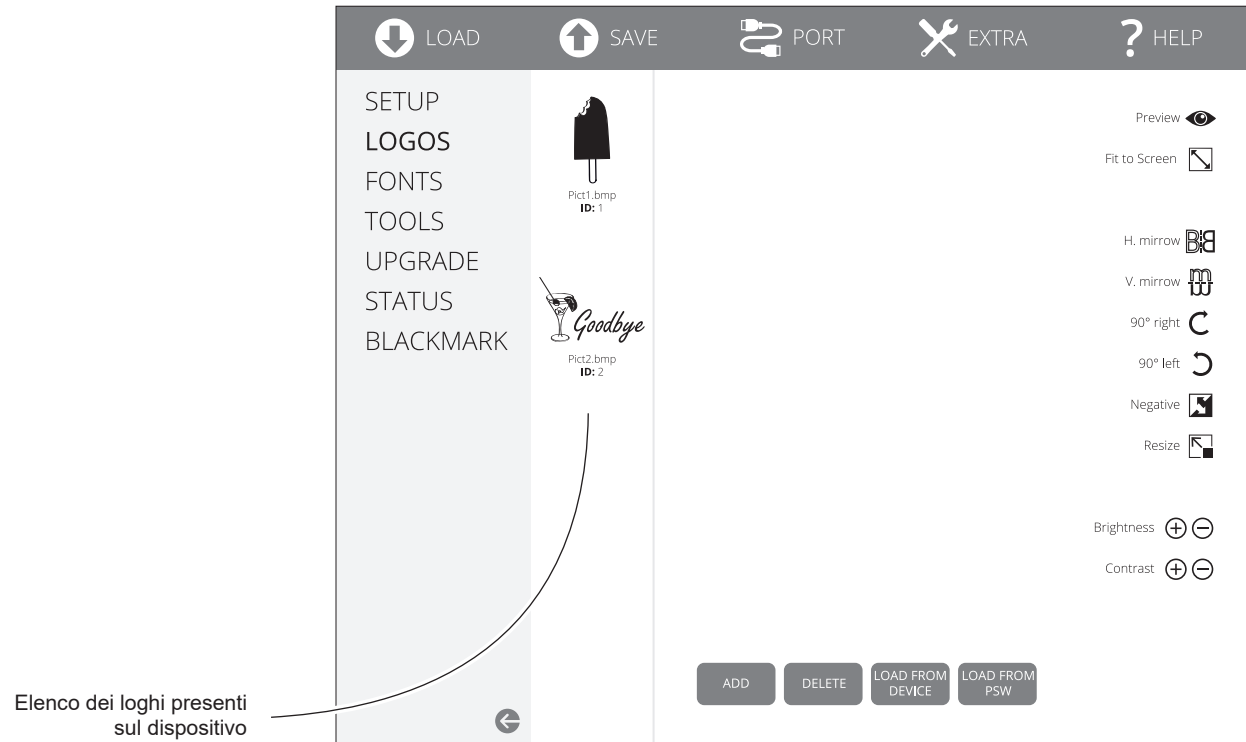


# LOGOS MANAGEMENT

This section shows how to add, modify, delete logos (images) on the connected device. Please refer to device user manual for logos position and dimensions.










This feature is not available on Mobile PrinterSet.

- Upload the configuration file, see [CONFIGURATION UPLOAD](#) paragraph.
- Click on FONTS.









## Editing Tools

EDITING TOOLS	DESCRIPTION
	<b>Preview</b> Display the print preview.
	<b>Fit to screen</b> Adjust the image to the workspace.
	<b>H. Mirror</b> It reflects an image or a portion of it along the horizontal axis.
	<b>V. Mirror</b> It reflects an image or a portion if it along the vertical axis.
	<b>90° Right</b> It rotates the image 90° to the right.
	<b>90° Left</b> It rotates the image 90° to the left.
	<b>Negative</b> It allows to invert the color of an image or a portion of it.
	<b>Resize</b> It allows to resize the image.
	<b>Brightness</b> It allows to adjust brightness.
	<b>Contrast</b> It allows to adjust contrast.

## Commands

COMMANDS	DESCRIPTION
	<b>Add</b> Add an image saved on the PC. Drag the image file and drop it into logos list. The image will be saved at the end of the list, or, selecting an image on the list it will be saved before it To change the position drag and drop it in the required position (eg from Pitc2 to Pitc1).
	<b>Delete</b> It allows to delete the selected image.
	<b>Load from device</b> It allows to restore the visualization of images saved on the device.
	<b>Load from PSW</b> Load one or more images from the firmware file saved on the PC (file with extension .psw).

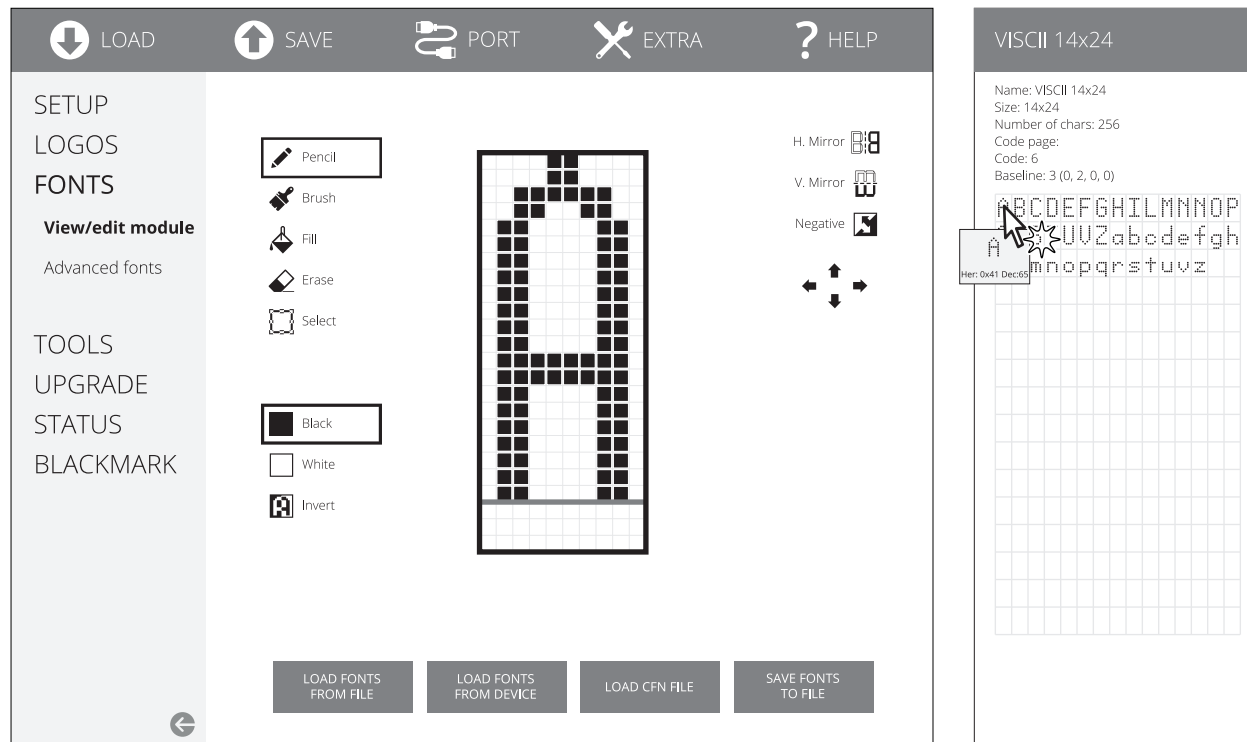


## Visualization and editing

The following section allows fonts visualization and customization uploading them from the connected device or from a file with .nod or .pdw format, downloadable from [www.custom4u.it](http://www.custom4u.it). To know which fonts the connected device can support, you can refer to user manual.

This feature is not available on Mobile PrinterSet.










- To upload the configuration file, see [CONFIGURATION UPLOAD](#) paragraph.
- Click on FONTS section.
- Click on VIEW/EDIT MODULE subsection.
- Click on LOAD FONTS FROM FILE to upload the file from PC. Click on LOAD FONTS FROM PRINTER button to upload the file from the device (only if supported).
- Select from the drop down menu the required format type.
- Select the font to change from the grid, it will be displayed in the edit windows.
- You can change the font using the tools in the panel (description in following chapter).
- Save the fonts changes clicking on SAVE FONTS TO FILE. The file including the font set with changes will be saved with the .mod extension.
- Upload the .mod file, saved on PC, on the device using the UPGRADE panel.



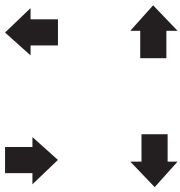


Digit on the arrow to see the drop down menu with the list of available fonts







## Editing tools

EDITING TOOLS	DESCRIPTION
	<b>Pencil</b> It allows to draw the new font or change it working on the single pixel.
	<b>Brush</b> It works as the Pencil tool, but on multiple pixels at a time.
	<b>Fill</b> It allows to fill the inside of a section.
	<b>Erase</b> It allows to erase the selected pixels.
	<b>Select</b> It allows to select a part of image to change or move it.
	<b>Black</b> It allows to put black color on the selected pixel.
	<b>White</b> It allows to put white color on the selected pixel.
	<b>Invert</b> It allows to invert the color of the selected pixel.
	<b>H. Mirror</b> It reflects an image or a portion of it along the horizontal axis

EDITING TOOLS	DESCRIPTION
	<b>V. Mirror</b> It reflects an image or a portion of it along the vertical axis.
	<b>Negative</b> It allows to invert the color of an image or a portion of it.
	<b>Move</b> It allows to move the image up, down, right or left.

## Commands

COMMANDS	DESCRIPTION
	<b>Load fonts from file</b> It allows to upload the fonts on the .mod or .pfw file downloadable from <a href="http://www.custom4u.it">www.custom4u.it</a> .
	<b>Load fonts from device</b> It allows to upload the fonts present in a file on the connected device.
	<b>Load CFN file</b> It allows to upload the fonts on the .cfn file created with Font maker software.
	<b>Save fonts to file</b> It allows to save the changed fonts from a firmware suite on the PC (file with .psw extension).



## Advanced fonts

The following section, if supported from the connected device, allows to manage the advanced fonts on the device.

This feature is not available on Mobile PrinterSet.

- To upload the configuration file, see [CONFIGURATION UPLOAD](#) paragraph.
- Click on FONTS section.
- Click on ADVANCE FONT subsection.
- Upload the fonts on the connected device clicking on LOAD FONTS FROM DEVICE.
- Select the required font.
- Double click on the required font to rename the file.
- Click on ADD to add a new "True Type Font" font with .ttf extension.
- Click on DELETE to delete the selected font.



Available font pages

# SERVICE TOOLS

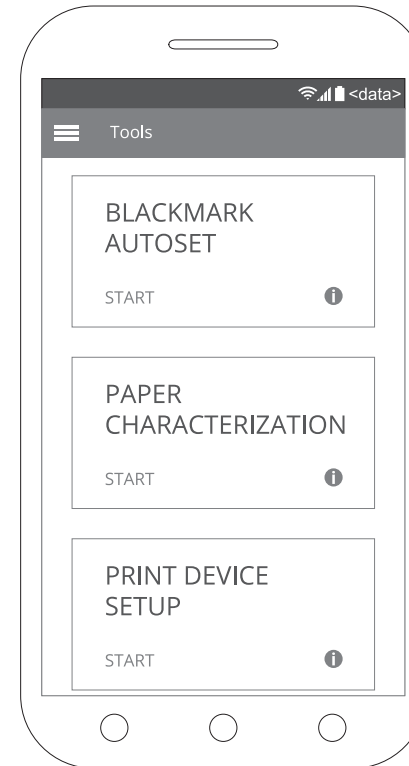
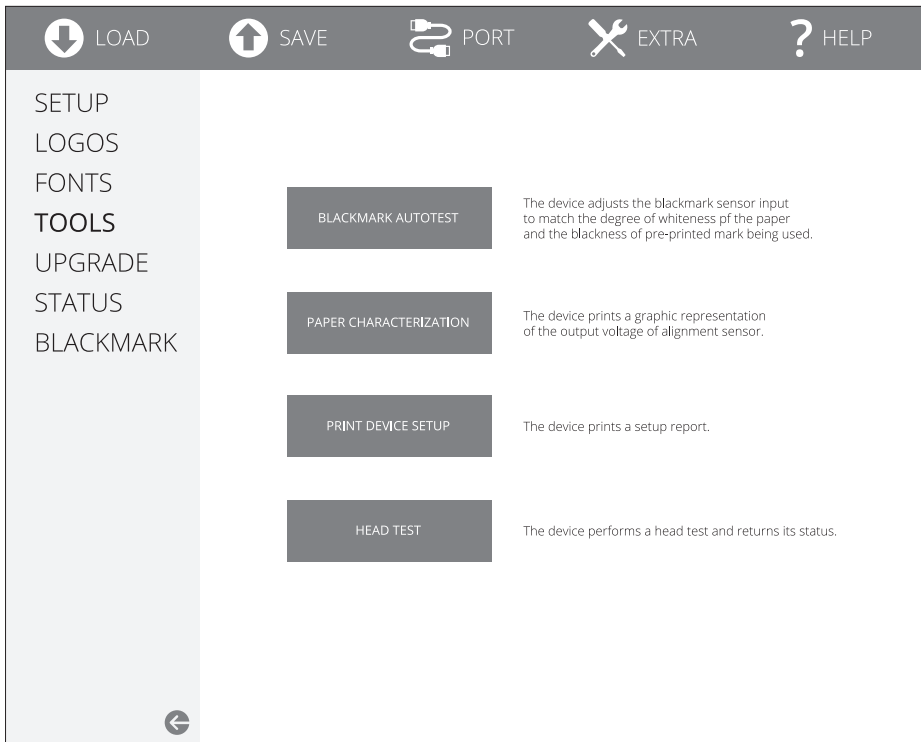
The following section allows to access a series of tests and maintenance function. Tests and functions vary depending on the connected device.

## Service tools (PC Interface)

- To upload the configuration file, see [CONFIGURATION UPLOAD](#) paragraph.
- Click on TOOLS section.
- Click on the button to start the test or the required function.

## Service tools (Mobile interface)

- To upload the configuration file, see [CONFIGURATION UPLOAD](#) paragraph.
- Click on TOOLS section.
- Click on the button to start the test or the required function.



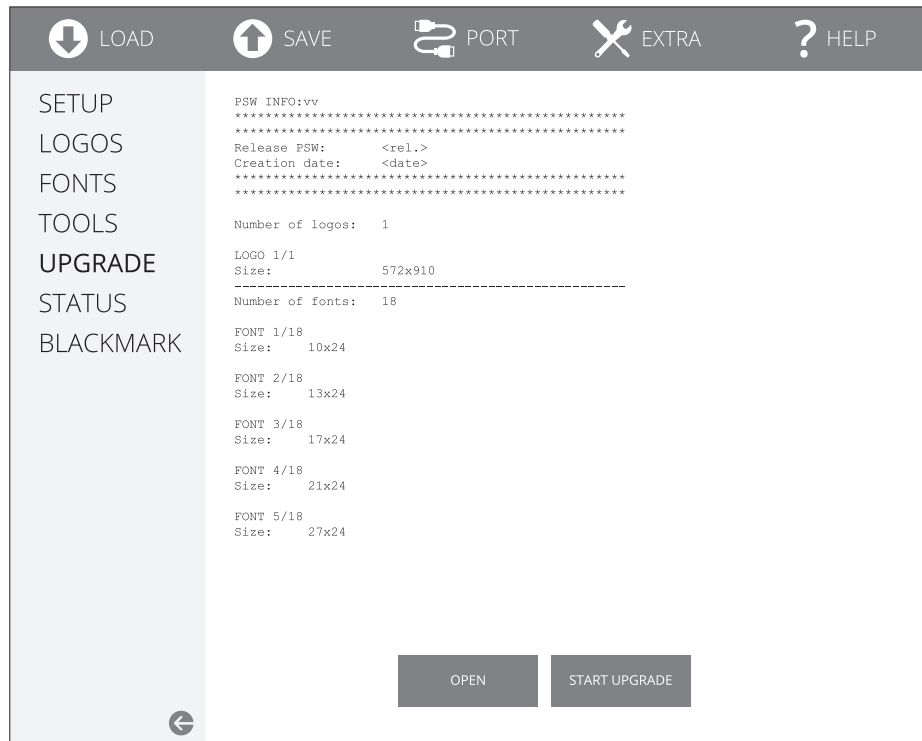


# FIRMWARE UPGRADE

The following section allows you to update the firmware through .psw or .pfw files downloadable from [www.custom4u.it](http://www.custom4u.it).

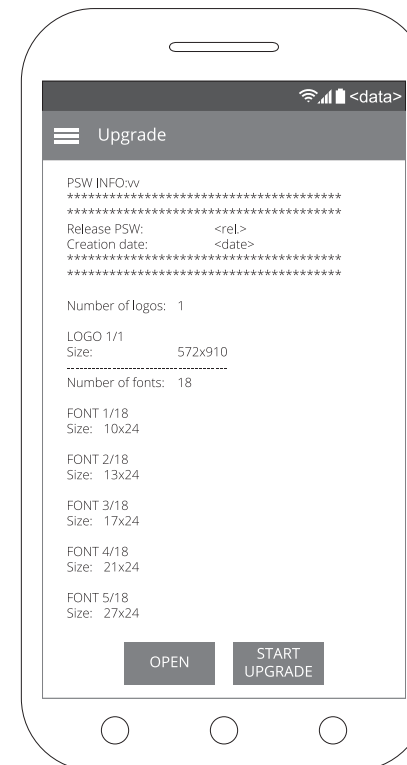
## Firmware update (PC interface)

- To upload the configuration file, see [CONFIGURATION UPLOAD](#) paragraph.
- Click on the STATUS section.
- Click on OPEN.
- Select the file with .psw or .pfw extension previously downloaded.
- Click on START UPGRADE.
- A confirmation message will be displayed.
- Click on YES to proceed.



## Firmware update (Mobile device interface)

- To upload the configuration file, see [CONFIGURATION UPLOAD](#) paragraph.
- Click on the STATUS section.
- Click on OPEN.
- Select the file with .psw or .pfw extension previously downloaded.
- Click on START UPGRADE.
- A confirmation message will be displayed.
- Click on YES to proceed.



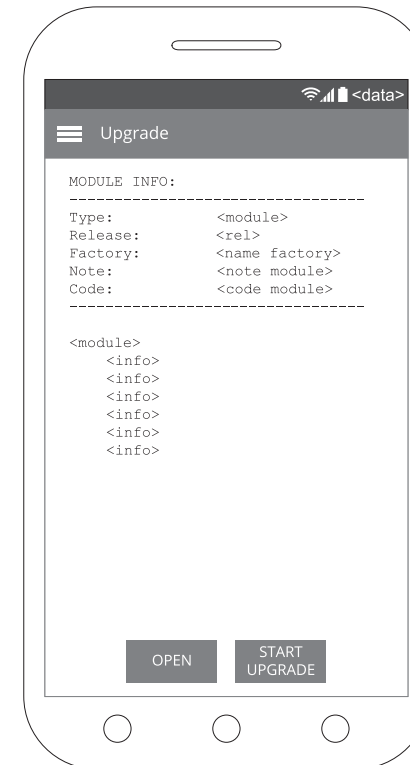
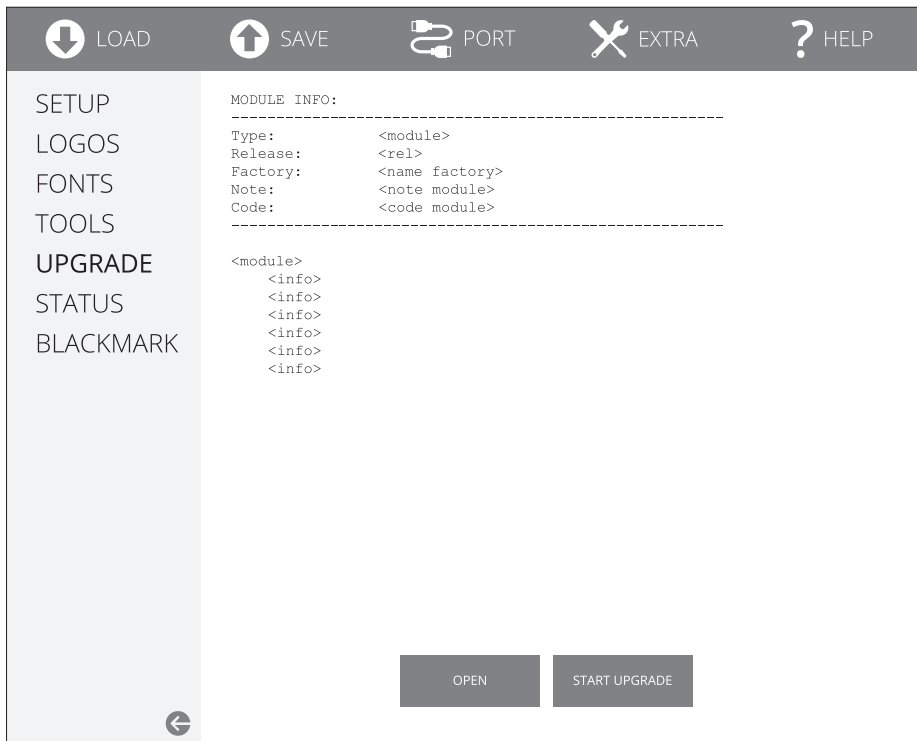


### Modules update (PC interface)

- Load configuration file, see [CONFIGURATION UPLOAD](#) paragraph.
- Click on STATUS.
- Click on OPEN.
- Access the folder containing the file with extension .mod previously downloaded.
- Click on START UPGRADE.
- A confirmation message will be displayed.
- Click on YES to proceed

### Modules update (Mobile interface)

- Load configuration file, see [CONFIGURATION UPLOAD](#) paragraph.
- Click on STATUS.
- Click on OPEN.
- Access the folder containing the file with extension .mod previously downloaded.
- Click on START UPGRADE.
- A confirmation message will be displayed.
- Click on YES to proceed





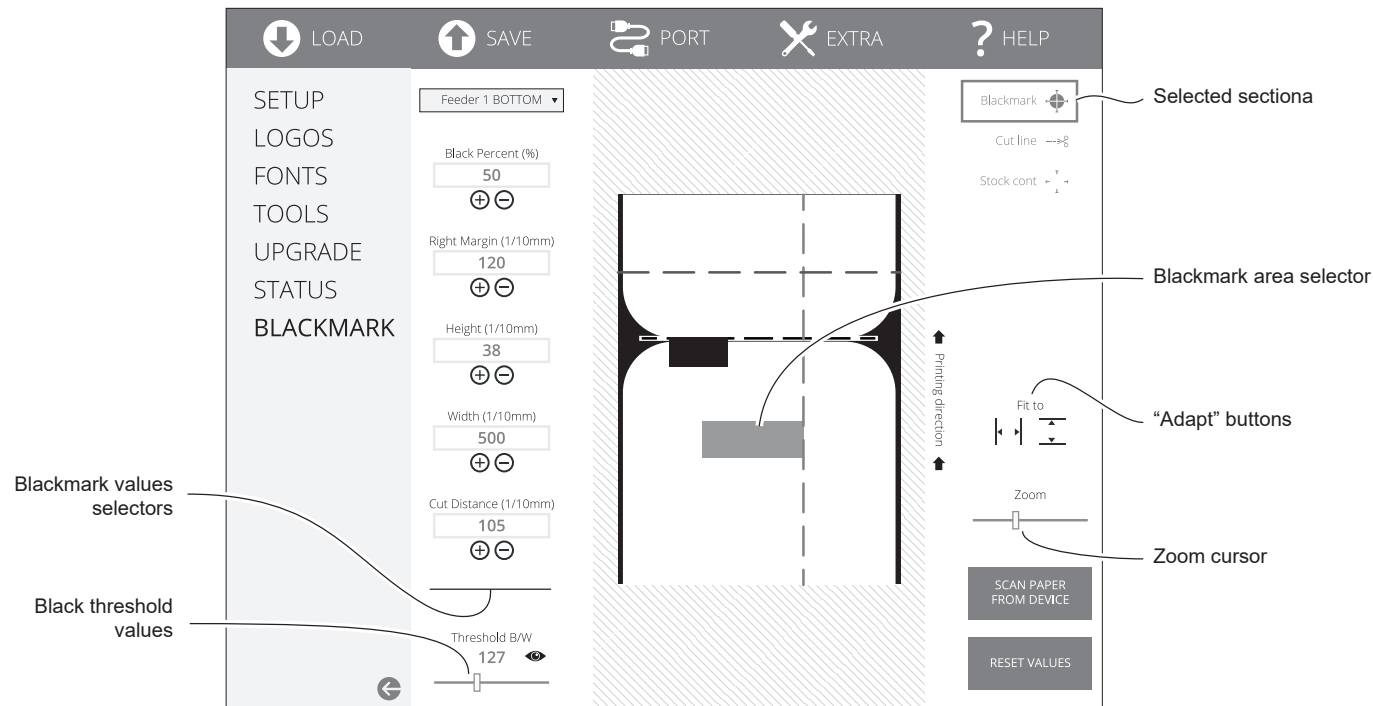
# TICKET MANAGEMENT

The following section shows how to define blackmarks on paper (eg black mark, cut line, etc.). The number of configurable markers depends on the device in use. Refer to the user manual of the device for paper specification

This feature is not available on Mobile PrinterSet.

## Blackmark

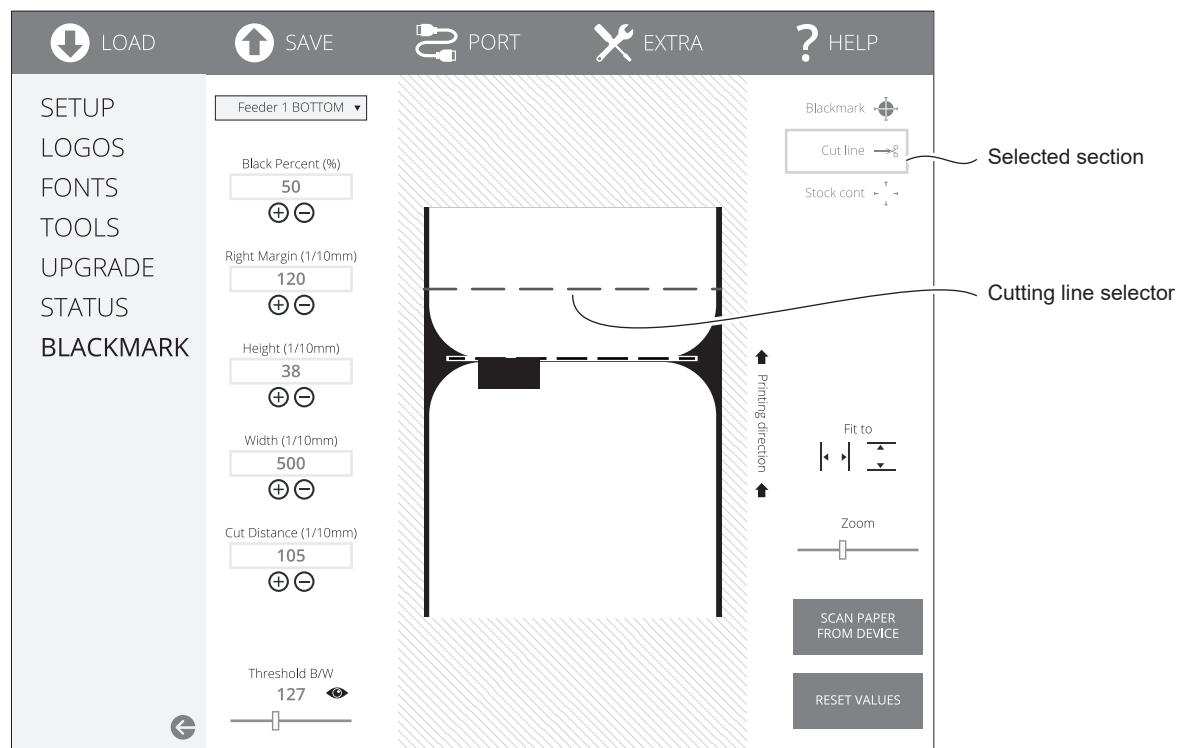
- Upload the configuration file, see [CONFIGURATION UPLOAD](#) paragraph.
- Click on BLACKMARK.
- Click on SCAN PAPER FROM DEVICE.
- The message "Select the scan distance to perform" is displayed, on the drop-down menu select the length of the area of the ticket which should includes the black mark and possibly the cutting line and / or the barcode. Click OK to start ticket scan.
- Once the scan preview is displayed, adjust the zoom level using the cursor or click on WIDTH or HEIGHT buttons.
- Click on BLACKMARK.
- Define the black mark area by clicking on the mark. The system automatically detects the notch highlighting it with a green rectangle. The size of the area can be modified by dragging the sides of the green rectangle or by entering the values in the RIGHT MARGIN, HEIGHT, WIDTH fields.
- Set the black threshold sliding the cursor. This allows to avoid false detections in case of barcodes or very dark printout on the ticket
- To discard changes, click RESET VALUES.
- To save changes, see the [SAVE CONFIGURATION](#) paragraph.





## Cutting line

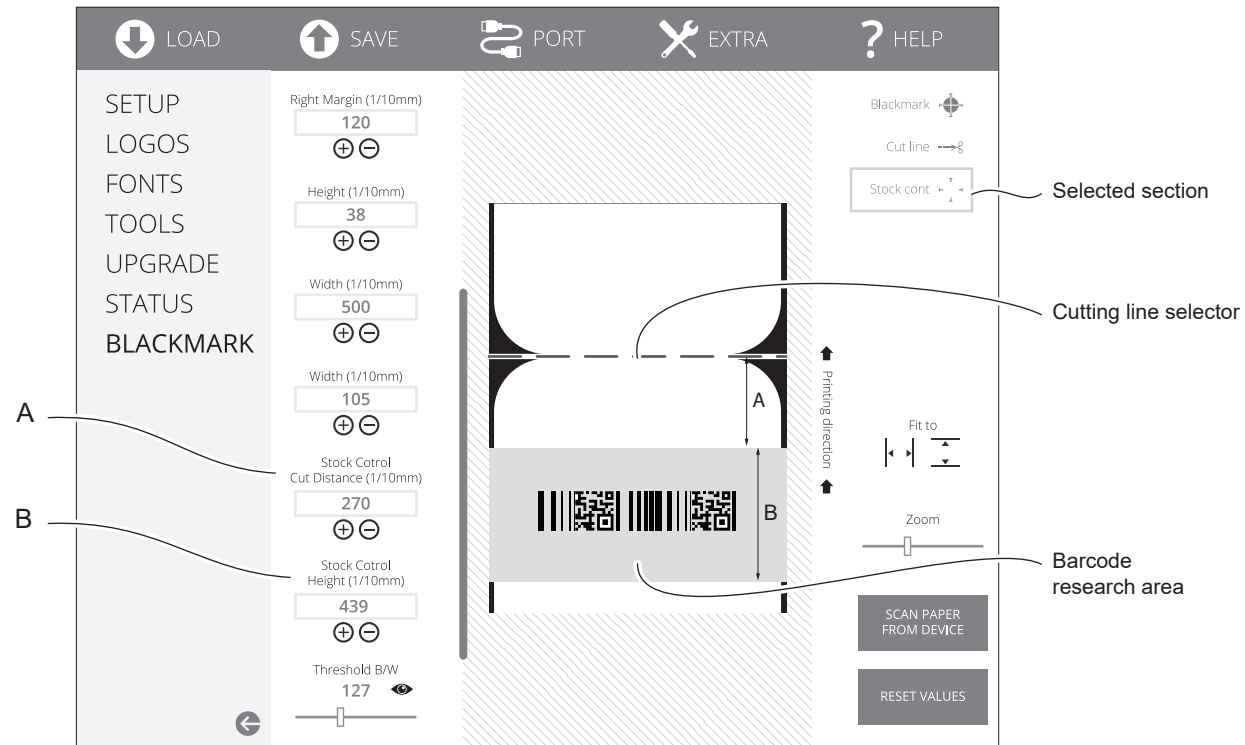
- Upload the configuration file, see [CONFIGURATION UPLOAD](#) paragraph.
- Click on BLACKMARK.
- Click on SCAN PAPER FROM DEVICE.
- The message "Select the scan distance to perform" is displayed, on the drop-down menu select the length of the area of the ticket which should includes the cutting line and possibly the blackmark and / or the barcode. Click OK to start ticket scan.
- Once the scan preview is displayed, adjust the zoom level using the cursor or click on WIDTH or HEIGHT buttons.
- Click on CUT LINE.
- Position the cutting line selector (violet dashed line) where the paper should be cut. Alternatively enter values into CUT DISTANCE field.
- To discard changes, click RESET VALUES.
- To save changes, see the [SAVE CONFIGURATION](#) paragraph.





## Barcode reading

- Upload the configuration file, see [CONFIGURATION UPLOAD](#) paragraph.
- Click on BLACKMARK.
- Click on SCAN PAPER FROM DEVICE.
- The message "Select the scan distance to perform" is displayed, on the drop-down menu select the length of the area of the ticket which should include the barcode and the cutting line. Click OK to start ticket scan.
- Once the scan preview is displayed, adjust the zoom level using the cursor or click on WIDTH or HEIGHT buttons.
- Click on STOCK CONT.
- Position the barcode area selector (pink research area) in the area where the barcode should be read. Alternatively enter values in STOCK CONTROL CUT DISTANCE (A) and STOCK CONTROL HEIGHT (B) fields
- To discard changes, click RESET VALUES.
- To save changes, see the [SAVE CONFIGURATION](#) paragraph.





# STATUS MONITORING

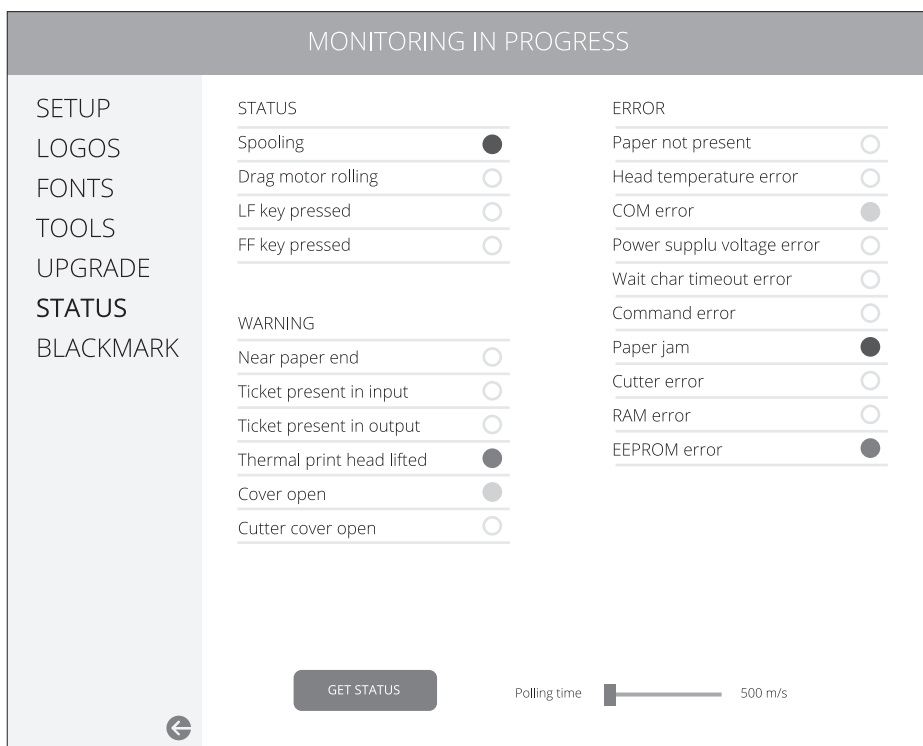
The following section allows you to monitor the status of the connected device in real time. The green color indicates the change of a state (e.g. spooling), the yellow color indicates an error which can be adjusted by an operator (e.g. paper end), the red color indicates an error that cannot be recovered by the operator (eg RAM error).

## Status monitoring (PC interface)

- Upload the configuration file, see [CONFIGURATION UPLOAD](#) paragraph.
- Click on STATUS.
- Click on GET STATUS to start status monitoring.
- Use the cursor POLLING TIME to increase or reduce the status refresh time.

## Status monitoring (mobile interface)

This feature is not available on Mobile PrinterSet





# SETTING FROM COMMAND LINE

Using PrinterSet from the command line allows to automate the management and maintenance of devices without access to the user interface. Using the command set shown below, it can create a script or batch file to be used on one or more devices.

The script or batch file is created through the "command prompt" function available in Windows operating systems.

- Command Prompt can be opened in different ways:
- From the link available on Start, or in App menu (depending from Windows version)
- From the Run command (available from keyboard shortcut WIN + R), typing cmd
- Opening from the path in C:\Windows\system32\cmd.exe

Recall the PinterSet executable file from Command prompt typing "CePrinterSet.exe" followed by the commands to be sent:

Example: CePrinterSet.exe [/PRGC] [/UPGP] [/F [filename]] [/P[port]] [/S "[port specifications]" [/O] [/SWLOGMENU] [/VLOG]

Dove:

/PRGC	To program a .psc file on the printer.
/UPGP	To update a printer.
/F	To specify the .psc file or the filepath.
/PUSB	To specify the USB port
/PSUSB	To specify the USB SCANNER port.
/PCOM	To specify the COM port.
/PETH	To specify the ETHERNET port.
/PRGDESCR	To specify the section to program: S = for SETUP L = for LOGOS. (e.g.: "/ PRGDESCR L" program logos from file only)
/S	To set the communication port: COM = port name (e.g.: "COM1"), ETH = the IP and the PORT (e.g.: "192.168.0.1:9100"), USB = identification string, see <a href="#">CONFIGURATION UPLOAD</a> paragraph - upload from device - (e.g.: "0DD4   0205   VKP80III_PRN_Num.: _ 0"). NOTE: If the value is "*", will be used the first available USB printer
/O	To create the output file "output.txt" with the feedback information.
/RESETAOP	To restart the printer after an operation.
/NOFORCE	It allows, during the update, to not force the upgrade if the FW release is the same.
/VLOG	To visualize operations LOG.



- Example to send the update file .pfw to the VKP80III printer through USB port

Command:

```
CePrinterset.exe /UPGP /PUSB /S "0DD4|0205|VKP80III_PRN_NUM.:_0" /F VKP80III.PFW /O /VLOG
```

- Example to send the .psc file with settings modified and saved with Printset (see [SAVE CONFIGURATION](#) paragraph - Save on file -) on VKP80III printer through COM1 port.

Command:

```
CePrinterset.exe /PRGC /PRGDESCR S /PCOM /S "COM1" /F VKP80III.PSC /O /VLOG
```



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CUSTOM S.p.A. declines all responsibility for accidents or damage to persons or property occurring as a result of tampering, structural or functional modifications, unsuitable or incorrect installations, environments not in keeping with the equipment's protection degree or with the required temperature and humidity conditions, failure to carry out maintenance and periodical inspections and poor repair work.



The format used for this manual improves use of natural resources reducing the quantity of necessary paper to print this copy.





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