

Suprint SUP-300/400 Driver

USAGE INSTRUCTIONSL

深圳市速普特智能科技有限公司

Shenzhen Suprint Smart Technology Co.,Ltd.



Thank you very much for using Suprint SUP-300/400 card printer, *please* read the following carefully before installing Suprint SUP300/400 driving program.

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1. Instruction of Installation

Note: Please close all safety management files in the computer before installing the driving program, avoid to be deleted wrongly.

1) Double-click SUP-300 400 Driver.exe and enter Install Guide.



2) Please select the language you need to use during the installation process.

Software	Installation	×
110	Please select the language o	f the installer
	English	~
	01	Control

3) Confirm the installation content in the welcome screen and click the [Next] button.





4) After reading Warranty Agreement and select "I acknowledge and accept this agreement" and click [next].

/arrent Agreement	
Please read the following important information before 7	<u>av</u> 2
Please read he following warrenty agreement. You must accept the terms of this agreement before continuing with the installation.	
Cover under the warranty is conditional on thorough servicing of your Suprint SUP- 300/400 printer. In order to keep it in perfect working order and maintain cover under the warranty, you must clean your printer regularly. Follow the cleaning cycles scrupulously in order to maintain cover under the Suprint limited warranty. Full warranty terms and conditions are supplied with your printer. It can be read on the website at http://www.suprint.net	~
 I understand and accept the warrenty agreemnet terms. I do not accept the warrenty agreement terms. 	

5) Inspect the installing information and configuration environment, wait a short while.





6) Make sure that the USB cable of the printer is well connected and turn on the power, read the important prompt message and click[next].(If use desktop computer, please connect the USB interface rear of it.)

Suprint SUP-300/400			>
Preparing for Installation Preparing to install Suprint SUP-300/	400 for your computer		7377
The printer driver is ready to be i Check the USB cable and power o start the installation.	nstalled. connection to the printe	er and click the [Next]	button to

7) It takes a few minutes to install the driving program, please be patient.

V Suprint SUP-300/400	×
Install Driver Start the Suprint SUP-300/400 driver installation.	7372
Installing Suprint SUP-300/400 for you, please wait.	
Back Ne	xt Cancel



8) Install successfully.





- 9) Install failed.
 - a) Not detect Suprint SUP-300/400 card printer. Please click[previous step],reinspect the connection of USB cable and power cable properly or not, the power of printer on or off.

W Suprint SUP-300/400	×
Install Driver Start the Suprint SUP-300/400 driver installation.	7 7
The printer is not connected, click the [Back] button, re-check the USB cable is correct and Restart Printer , then try again.	
Back Next Can	cel

b) If the driving program has been installed previously, please delete it and reboot the computer and the printer, then re-install the driving program.

Suprint SUP-300/400		×
Preparing for Installation An error occurred while preparing to install the driver.		7373
An error occurred while preparing to install the driver 0x00b7 = Cannot create a file when that file already ex	kists.	
	Back Finish	Cancel



2. Configuration and Use

You can enter [equipment and printer] in the Control Panel of Windows, then find Suprint SUP-300/400, select print preference by clicking right key of mouse and enter configuration interface of printer driving program.

1) Main

🖶 Supr	rint SUP-300/400 属性	ŧ)
Main	Graphic Maintena	ance TPH Te	mperature and Rewrite	Card About	
Sett	ing Status		Settings		
			1. Orientation	Landscape	\sim
			2. 180 Rotation	None	\sim
		3. Print Speed	Normal Speed	\sim	
		4. Ribbon Type	YMCKrO(Full)	\sim	
			5. Black Panel	Exception Colorful Image	\sim
			6. Duplex Ribbon	Simplex Print	\sim
			7. Duplex Ribbon Type	(Front)YMCKrO / (Back)YMCKrO	\sim
			8. Resolution	300 x 300 DPI	\sim
			9. Copies(1-999):	1	-
			10. Eject Direction	Eject to Front	\sim
			11. Hopper System	Standard Hopper	\sim
			12. Language	English	\sim
S	uprint			Default(D)	
				确定 取	消

1.1 Setting Status Sample effect of amended parameters.





1.2 Settings

1.2.1 Orientation

Printing directions of image: Landscape and portrait.

1. Orientation	Landscape	\sim
----------------	-----------	--------

1.2.2 Horizontal rotation

Set horizontal rotation of card.

You can set horizontal rotation of front side, back side or two sides respectively. Non-rotation is default, set horizontal rotation when printing special card or image.

1.2.3 Printing Speed(single color)

When ribbon type is Mono(Kr), set speed: standard or high-speed. The printing effect is clear when setting standard speed, less clear when high-speed, but printing faster.

nal Speed 💦 💊	e
r	nal Speed 🛛 🗸 🗸

1.2.4 Ribbon Type

Appropriate color ribbon can be selected as per different printing image.

Named rule of ribbon type: Y-yellow, M-magenta, C-cyan, Kr-black, Full-full color, Half-half color, Rewrite Card-Rewritable Card, No Ribbon-No Ribbon, No Tag-No Ribbon Tag, Hologram- Hologram.

Generally, color ribbon is: YMCKrO(Full);single color ribbon is: Kr.

4. Ribbon Type YMCKrO(Full) ~

1.2.5 Black Panel

When you select ribbon type with Black(Kr) Panel, set contents which are printed with black panel.

- ① Only Black Text: printing black letters.
- ② Always: all contents are printed with black color.
- ③ Exception Colorful Image: Other contents except images are printed with black color.



 \sim

5. Black Panel Not used

1.2.6 Duplex Ribbon

When the connected printer has two-sides printing function, set single side or two-sides printing of the card. Single side printing, two-sides vertical printing or two-sides horizontal printing can be set respectively.

6. Duplex Ribbon	Simplex Print \sim	
------------------	----------------------	--

1.2.7 Duplex Ribbon Type

When Duplex Ribbon is set, different Ribbon Types can be set on front and back side of the card. Please see detailed types in section 4.

7. Duplex Ribbon Type	(Front)YMCKrO / (Back)YMCKrO	
-----------------------	------------------------------	--

1.2.8 Copies

Set the Copies to be printed.

8. Copies(1-999):	1	0
-------------------	---	---

1.2.9 Eject Direction

As required, card eject from front hopper or rear hopper can be set in the printer.

Eject Direction	Eject to Front	\sim

1.2.10 Language

Select language in the driving program.

10. Language	English	\sim	
IU. Language	English	\sim	

1.2.11 Hopper System

The corresponding card slot can be selected according to the connected device.

It can be divided into: ①Standard Hopper ②Expand large Hopper





2) Image

lain	Graphic	Maintenance	TPH Tempera	ture and Rewr	ite Card Ab	out	
- Ima 1, 1 2, 2 3, 9 - Col	age Processing Mono Ditherin Direct Image Suprint Smart Sharp Image Not Use lor and Densit D Brightness Contrast	g Golor t Color OFF y Adjustment	> > > 50 50	Varnish Full V	Front Var Back Varr arnish	nish ish	~
S	Suprint	Adjustment & Ca	libration			De	fault(<u>D</u>)

2.1 Graphic

2.1.1 Mono Dithering

Adjust pixel error in the course of image color transformation as per different arithmetic. This option can be set when Mono printing inconsistency. The default is line sequence imaging.

1.	Mono Dithering	
	Direct Image	\sim

2.1.2 Suprint Smart Color

Select on or off of 🔽 Color Adjustment & Calibration button. The default is off.

2. Suprint Smart Color Suprint Smart Color ON ~

2.1.3 Sharp Image



The image can be clearer(maybe color inconsistency) by adjusting image-sharpening. The default is non-use.

3.	Sharp Image	
	Use Sharp Image (Level 1)	~

- 2.2 Color Adjustment
 - 2.2.1 Brightness

Adjust image brightness.



2.2.2 Contrast

Adjust image contrast.



2.2.3 Color adjustment and calibration

Calibrate Hue, Saturated color, and Lumination.



Color Adjustment &	& Calibration	t
Hue		
HUE		100
Saturation		50 r
Lumination	1 1 1 1 1 1 1	50
ОК	CANCEL D	efault(D)



2.3 Varnish

Set Varnish shape of front and back side of card. As required, default shape and user-defined shape can be set.

Varni	sh
	Front Varnish Back Varnish
	Full Varnish \sim



3) Maintenance

📾 Suprint SUP-300/400 属性		×
Main Graphic Maintenanc	e TPH Temperature and Rewrite Card About	
Priner Information		
1. Printer Serial/ID	S3CGXA001PH10101 / AAAAAAAA	
2. TPH Tempurature / Serial	29 'C / CGD-KBA150-2865-631	
3. Driver Version	Main : 2019, 9, 2, 1 UI : 2019, 9, 2, 1	
4. Firmware Version	Printer : SUP300-190824A0, Flip-Over : (Not Installed)	
5. Ribbon Percent	240 Cards	
6. Printer Ribbon Type	YMCKrO(Full) : 28(R), 22(G), 21(B)	
7. Printer Status	Connected	
8. Printer Error	0x0000000	
9. Print Count	4, 187 Pass	
10. Magnetic Stripe Count	0 Pass	
11. Printer Cleaning Count	4, 187 Pass (Cleaning Time : 2,400 Pass)	
Print Calibration	Clean Print Functions	
Suprint		
	确定取消	

3.1 Printer Information

3.1.1 Printer Serial/ID

Each printer has unique serial no.



3.1.2 TPH Temperature / Serial

Each printhead has unique serial no.. The serial no. can be changed automatically when new printhead is installed.

2. TPH Tempurature / Serial 26 'C / AGA-LFDX35-7814-7F2

3.1.3 Driver Version



Shenzhen Suprint Smart Technology Co., Ltd.

Version of driving program is displayed.

3. Driver Version	Main : 2018, 10, 5, 1	UI: 2018, 10, 5, 1	

3.1.4 Firmware Version

Version of firmware is displayed.

4. Firmware Version	Printer : SUP300-180807_0,	Flip-Over : FLP300-180401_0
---------------------	----------------------------	-----------------------------

3.1.5 Ribbon Percent

Rest amount of ribbon in percent is displayed. New ribbon shall be installed when rest is too few.

5. Ribbon Percent	172 Cards

3.1.6 Printer Ribbon Type

Current ribbon type and RGB values of color are displayed. Different colors corresponding to different RGB values.

6. Printer Ribbon Type

YMCKrO(Full) : 255(R), 255(G), 130(B)

3.1.7 Printer Status

Status of the printer is displayed, Ready is normal.

7. Printer Status

Connected

3.1.8 Printer Error

Accumulative printing times is displayed. One time will be added when one color is printed.

8. Printer Error

0x00000000

3.1.9 Printing Count

Accumulative printing times is displayed. One time will be added when one color is printed.

9. Print Count

10,247 (TPH : 10,247) Pass

3.1.10 Magnetic Stripe Count

Read/write times of magnetic stripe is displayed.



10. Magnetic Stripe Count 0

0 Pass

3.1.11 Printer Cleaning Count

The printing Count since cleaning last time is displayed and recommended cleaning frequency.



3.2 Printing Calibration

(20 200000)	V Otaut Dashtinu
Reset Count	\leftarrow - X Start Position +
AGA - LFDX35 - 7814 - 7F2	Welcome to Suprint SUP-300/400
Print Calibration	
X Start Position (0 ~ 20) 2	
Y Start Position (0 ~ 30)	sitte
X Start Edge (0 ~ 30) 0	
X End Edge (80 ~ 100) 100 🗘	
X Scale (80 ~ 120) 115 🗘	
Density	
Density Yellow Density (50 ~ 150)	
Density Yellow Density (50 ~ 150) 100 🗘 Magenta Density (50 ~ 150) 100 🗘	$ \begin{array}{c} \blacksquare \overrightarrow{rist}^{*}: \\ \vdots \\ \overrightarrow{r6.2 \text{ mm}} \\overrightarrow{r6.2 \text{ mm}} $
Density Yellow Density (50 ~ 150) 100 ♀ Magenta Density (50 ~ 150) 100 ♀ Cyan Density (50 ~ 150) 100 ♀	$ \begin{array}{c} \blacksquare \overrightarrow{\textbf{r}} \overleftarrow{\textbf{r}} \textbf{$
Density Yellow Density (50 ~ 150) 100 ↓ Magenta Density (50 ~ 150) 100 ↓ Cyan Density (50 ~ 150) 100 ↓ Black Density (50 ~ 150) 100 ↓	-→ IE -→ IE -
Density Yellow Density (50 ~ 150) 100 ♀ Magenta Density (50 ~ 150) 100 ♀ Cyan Density (50 ~ 150) 100 ♀ Black Density (50 ~ 150) 100 ♀ Overlay Density (50 ~ 150) 100 ♀	Image: Start Edge + Image: Start Edge + Sample Printing O Black Ribbon Sample Printing O Color Ribbon(YMCO) O Black Ribbon O Color Ribbon(YMCO)
Density Yellow Density (50 ~ 150) Magenta Density (50 ~ 150) Overlay Density (50 ~ 150) Black Density (50 ~ 150) Overlay Density (50 ~ 150) 100 255Mana Density (50 ~ 150)	→ IF → IF - Scale (300DPI) + - Start Edge + OBlack Ribbon Color Ribbon(YMCO) © Color Ribbon(YMCCO) © Color Ribbon(YMCKro)
Density Yellow Density (50 ~ 150) 100 ↓ Magenta Density (50 ~ 150) 100 ↓ Cyan Density (50 ~ 150) 100 ↓ Black Density (50 ~ 150) 100 ↓ Overlay Density (50 ~ 150) 100 ↓	Start Edge + Start Edge + Sample Printing O Black Ribbon Color Ribbon(YMCKrO) O Color Ribbon(YMCKrO)

3.2.1 Serial no. of the printhead

Each printhead has unique serial no.. The serial no. shall be input and set accordingly when new printhead is installed, otherwise the printing effect is reduced and the printhead life is shortened, even it is damaged.

3.2.2 X start position

Set start position of printing of X direction. X start direction moves right when value is increased; X start direction moves left when value is decreased.

3.2.3 Y start position

Set start position of printing of Y direction. Y start direction moves down when value is increased; Y start direction moves up when value is decreased.



3.2.4 X start edge

Set start edge distance of printing of X direction. The more the value is, the more the start edge distance is; The fewer the value is, the fewer the start edge distance is.

3.2.5 X end edge

Set end edge distance of printing of X direction. The more the value is, the more the end edge distance is; The fewer the value is, the fewer the end edge distance is.

3.2.6 X size

Set printing size and keep precise. When standard line of test card under this value is 76.2mm under 300DPI, the size is precise.

3.2.7 Density of yellow

Set printing density of yellow. The more the value is, the darker the density of yellow is; The fewer the value is, the lighter the density of yellow is.

3.2.8 Density of magenta

Set printing density of magenta. The more the value is, the darker the density of magenta is; The fewer the value is, the lighter the density of magenta is.

3.2.9 Density of cyan

Set printing density of cyan. The more the value is, the darker the density of cyan is; The fewer the value is, the lighter the density of cyan is.

3.2.10 Density of black

Set printing density of black. The more the value is, the darker the density of black is; The fewer the value is, the lighter the density of black is.

3.2.11 Density of coating

Set printing density of coating. The more the value is, the thicker the density of coating is; The fewer the value is, the thinner the density of coating is.

3.2.12 256single color density

Set printing density of 256 single color. The more the value is, the darker the density of 256 single color is; The fewer the value is, the lighter the density of 256 single color is.



3.2.13 Printing test card

When printing test card, you can select black ribbon, YMCO ribbon or YMCKrO ribbon as per ribbon type. It is helpful to adjust printer parameters by printing test card. Standard dot distance between left and right of 76.20mm shall be insured under Scale(300DPI), the edge distance of image on the top and bottom of the card shall be the same; the edge distance of image on the left and right of the card shall be the same.

3.3 Cleaning Printer

Take the ribbon out, close the upper cover, put in the cleaning card, and press

button to clean the inner printer deeply. It is helpful to keep the printer operate smoothly and prolong its working life by cleaning regularly. Concrete cleaning frequency depends on the working environment.

3.4 Functions

Functions					
1 Collectored					
1. Card load control	Controlling in the Driver \checkmark				
2. Card eject control	Controlling in the Driver \sim				
3. Ribbon Type Auto Setting	Enable ribbon type auto setting \sim				
Done					

3.4.1 Card load control

Choice: Controlling in the drive or controlling in the SDK.

3.4.2 Card eject control

Choice: Controlling in the drive or controlling in the SDK.

3.4.3 Ribbon Type Auto Setting

Choice: Enable or Disable.



4) Printing Temperature and Rewrite Card

4.1 TPH Temperature

TPH Temperature	
Yellow Temperature	 100
Magenta Temperature	 100
Cyan Temperature	 100
Black Temperature	 100
Overlay Temperature	 100

4.1.1 Yellow Temperature

When adjusting color ribbon of Yellow, the higher the value is, the higher the printing temperature is, the thicker the yellow is; the lower the value is, the lower the printing temperature is, the thinner the yellow is.



4.1.2 Magenta Temperature

When adjusting color ribbon of Magenta, the higher the value is, the higher the printing temperature is, the thicker the Magenta is; the lower the value is, the lower the printing temperature is, the thinner the Magenta is.



4.1.3 Cyan Temperature

When adjusting color ribbon of Cyan, the higher the value is, the higher the printing temperature is, the thicker the Cyan is; the lower the value is, the lower the printing temperature is, the thinner the Cyan is.

Cyan Temperature 100



4.1.4 Black Temperature

When adjusting color ribbon of Black, the higher the value is, the higher the printing temperature is, the thicker the black is; the lower the value is, the lower the printing temperature is, the thinner the black is.

Black Temperature					¢					100
	1	1	1	1	1	1	1	1	1	

4.1.5 Overlay Temperature

When adjusting temperature of Overlay, the higher the value is, the higher the printing temperature is, the thicker the laminating is; the lower the value is, the lower the printing temperature is, the thinner the laminating is.

Overlay Temperature	•	 100

4.2 Rewrite Card

Rewrite Card	
Action before printing	
Only Printing	\sim
Rewrite Card Type	
Mitsubishi Rewrite Card	\sim
Printing Temperature	100
Erase Temperature	100
Erase Count	1

4.2.1 Action before printing

Set options of re-writable printing, includes: only Printing, only Erase(Image buffer), only Erase(Mark area) and Erase and printing.

Action before printing	
Only Printing	\sim

4.2.2 Rewrite Card Type

Choose Rewrite card type, includes: Mitsubishi rewrite card, Ricoh



rewrite card.



4.2.3 Printing Temperature

Set Printing temperature of rewrite card. The higher the value is, the higher the printing temperature is, the thicker the thermal color is.(The value shall not be too high in order to protect the print-head.)



4.2.4 Erase Temperature

Set Erase temperature of rewrite card. The higher the value is, the higher the Erase temperature is, the better the effect is.(The value shall not be too high in order to protect the print-head.)



4.2.5 Erase Count

Set sequential Erase count of rewritable card. You can adjust it when can not be erase completely by only one time.





5) About

Check the brand information of the printer. Click [DYP] to visit SUPRINT website <u>http://www.suprint.net/</u>.

🖶 Suprint SUP	-300/400 打印首选]	页		×
Main Graph	nic Maintenance	TPH Temperature and Rewrit	e Card About	
	Copyrigh	Suprint Card Printing 深圳市速普特智能科技有限公司 t(c) Shenzhen Suprint Smart Technolog All Right Reserved.	gy Co.,	
		确定	取消	应用(<u>A</u>)