

## A: Firmware Upgrade for the printer with up-down capping system.

- The newest versions of main-board MCU and USB firmware: MCU: 5.1.1 USB : 5.1.6
- The applicable models:
   All of the models with up-down capping system.





To check which version of Mainboard MCU and USB firmware are they.

If they are the newest version, then no need to upgrade them.

4) Before upgrading, please turn off the TitanPrint... and power, then make sure the computer's USB and the machine's USB both connect well.





5) Please turn on the power, click to MainBoard, then click to the

]	On Line			<b>中文</b>
er	Info:Connect OK			Language
#信息│外设设定	(序列号管理)密码管理)CPU固件升级	USB固件升级(头板固件升级	升级帮助   刻字功能	■ 电机参数   喷头清洗
0000/0000	Т	his operator only for COM mo	de!	
			文件	
			升版	
			终止	
			USB. COM	
			● USB	
			O COM	
			RealTime Update", "P	
		-	• Reallime Update	
	0.01		( ) LowerUn Undate	



IF it informs"Connect OK", it means the successful connection between the computer and the mainboard.



6) For upgrading of mainboard MCU:



1 TOOLS				
(E) Help(H)	2			_
	On Line			中文 🔻
	Info:Connect OK			Language
Power 「硬件信息」外设设定	▲ 「序列号管理「密码管理」CPU固件升象	USB固件升级(头板固件	升级「升级帮助」刻字功能」	   
0000/0000	1	his operator only for CC	)M mode!	
			★ 文件	
			和此	
			终止	
			USB, COM	
			0 000	
			a state of the second s	
			RealTime Update", "P	

• Please find out the newest MCU firmware: MB5.1.1.bin,



Tools						€8	
File(E) Help(H)		-					
<b>a</b>	open Update H	le					
	查找范围(I):	🔒 升降固件		🔹 🗢 🗈 📬	<b></b> •	ige	
Power	9	MB5.1.1.bi	n			「喷头清洗	
0000/0000	最近访问的位 贵						
	桌面						
	库						
	计算机						
	网络	文件ないい	NR5 1 1 bis		\$T#(0)		
		文件类型(T):	Updata File(*. bin)	·	取消	-	
			- Inc.				
		(					
<b>.</b>		Upd	ate				
• Please	click to					( " )	
Tools							e
File (P) Help (H)	l.						
<b>A</b>	Or	n Line					中文 -
	In	fo Conne	ct OK				Language
Power	10 1 DCR15	Lesson ( straine	NED   CRIMINET IN	1000 (01/2) 411 ( 11.4	6周211438(3	ILERADON CONSTANT	Ferrart weath Fall strates
0000/0000	COCAE   77-70-	BAL LEADE	This	operator only	for COM mode	1	HERE'S ACT SUSCERIOL
					-	文件	
						944 <u>0</u>	
						将止	

• Beneath is the progress information:



le (L) Help (L)		
3	On Line	中文 ×
ower	Into:Connect OK	
總件信息 外设设:	定 序列号管理 密码管理 CPU随件升级 USB固件升级 头板固件升级	升级帮助   刻字功能   电机参数   喷头清冽
0016/0068	This operator only for COM me	odel
2 Reconnect to	HeadBoard use by higher BaudRate Success+++	線止
+++Send Finish	control Information *** cation flash	
+++Erasing Fini	sh+++	USB, COM
5.Programming		<ul> <li>○ com</li> </ul>
		RealTime Update", "P (•) RealTime Update
		O Louis De Hadata

• When informs "Update Firmware Success!", upgrading finished.

3	On Line			中文	•
er .	Info:Connect	t OK		Languag	te .
件信息 外语	投设定 序列号管理 密码管理	里(CPV固件升级)USB固件升级(头板固件升级	g [升级帮助 ] 刻字功能	电机参数	暾头清洗
0088/0088		This operator only for COM m	ode!		
Connetting	g to MCU	A Version: 4 3+++	文件		
MCU Type:	STC89C58RD+44	Verolulia.orre	11.67		
Reconnec	t to HeadBoard use by hig	her BaudRate			
++Reconne	ect Success+++		终止		
3.Now send	ling control information				
		TitanJet Control Board			
4.Erasing ap +++Erasing	pplication flash Finish+++	Update Firmware Success!	USB, COM		
5.Programm +++Program	ning n OK+++	( <u> </u>	⊙ USB ○ COM		
			-RealTime Update", "P		
		*	RealTime Update		
	(	)X	O PowerOn Update		

- 7) For upgrading the USB firmware:
- Please pull off the USB protect cap





<ul> <li>Please</li> </ul>	e USB Firmware Update	, then clic	k to	Open File
Tiools			6	8
File (F) Help (H)	On Line Info:Connect OK	[ 1	中文 🔻	
朝叶有高剧 外设设定 usbkey	Pyi号 B 建	<ul> <li>X(#</li> <li>X(#</li> <li>X(#</li> <li>升级</li> </ul>	<u>机零数</u> 「噴头補乃」	
升级过程中不要拔掉	USB线或关掉设备,否则板卡可能损坏!			

• Please find out the newest USB firmware: USB5.1.6icc,



(E) Help(H)							
_	Open Update F	ile					
	查找范围(I):	🔒 升降固件		• 🗢	🗈 💣 💷	•	Ige
ver 件信息 外设 sbkey	最近访问的位置	USB5.1.6.iid	ç				: 「喷头清洗」
	桌面						
	ja ja						
	计算机						
	(1) 网络	ታሥታ ወጉ	1585 1 6 iia		•	17 <b>7</b> /0)	
		文件类型(T):	Updata File(*.iic)			取消	

• Please click to

(E) He	1p ( <u>H</u> )	_								
1		On Line	)						中文	•
er .		Info:Co	nnect O	к					Langua	çe
件信息	外设设定月	列号管理	密码管理 (	CPU固件升级	USB固件升级	头板固件升级	升级帮助	刻字功能	电机参数	「喷头清洗
							- I	文件		

Update



## • Beneath is the progress information:

e(F) H	elp (H)						
wer		On Line Info:Connect OK				中文 Langua	te 🔪
更件信息	外设设定	序列号管理 密码管理 CPU固件升级 USB固件升级	头板固件升级	升级帮助	刻字功能	电机参数	噢头清洗
1.Load +++Loa	firmware file ad file finish+	to memory		-			
1 Load +++Los 2 Start (	firmware file id file finish+ download fi	a to memory ++ mware to USB MainBoard			文件		

• When informs "Update Firmware Success!", upgrading finished.

	On Line				中文	•
	Info:Connect OK				Languag	çe
信息 外设设3	定   序列号管理   密码管理   CPU固件升级	USB固件升级 头板固件升级	升级帮助	刻字功能	电机参数	喷头清洗
C: Wee	uments and Settings\Administrator\#	图\				
oad firmware	a file to memory		*			
Start downloa	d firmularo to LISB Main Board					
I Indata Eini	abititi ale to OSB Malliboard					
+Update Fini	sh+++					
+Update Fini	a innwale to OSB Mainboard Sh+++					
+Update Fini	a innwaie (0 058 Mainboard Sh+++	TitanJet Contr.				
+Update Fini	sh+++	TitanJet Contr Update Finish!				
+Update Fini	sh+++	Titanjet Contor Update Finish!		文件		
+Update Fini	sh+++	TitanJet Condr. Update Finish!		文件		





8) After finishing upgrading, turn off the MainBoard, turn off the power

supply, install the **USB protect cap**.





9) Then please turn on the power supply, turn on the MainBoard, after

successful connection, click to

Hardware\_Information



Touis		
ile(F) Help(H)		
2	On Line	中文 🔻
Dower .	Info:Connect OK	Language
硬件信息 外设设定 月	, 序列号管理「密码管理「CPV固件升级」VSB固件升级「头板固件升级「升级帮助」系	]字功能   电机参数   喷头清洗
USB 固件 版本: <u>1.3.6</u> 出期	: 2014-7-10 机器类型: Epson Machine	FFGA Firmware main Version
头板固件 版本: 0.0.0 日期	: [0-0-0 序列号:	Sub Version:
CPV固件 版本: 1.2.9 日期	: 2014-7-17 序列号: MCB020150327027 机器类型: Epson Machine	New Prison Break
Com Setting Com Port COM1 👻	Baud Rate 9600 -	State:Read
Parit None 🔻	Byte Siz 8 💌	
Stop Bit 1.5 💌	🗌 Enable Fari	

If shown MCU: 5.1.1USB : 5.1.6 , updating finished.