Founder 1 Bit TIFF to PDF

Quick Start

January 2011

Beijing Founder Electronics Co., Ltd.



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Printed in the People's Republic of China

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Using the 1 Bit Tiff to PDF tool, you can convert multiple 1 bit tiff files representing the various separations of a same page file, into a single PDF file.

Install the tool

The 1 Bit Tiff to PDF tool is developed for use together with Founder's ElecRoc or EagleRIP system. But as a standalone program, you need to perform a separate and manual installation, on the computer where you have installed EagleRIP, or a computer in the LAN where you have deployed ElecRoc system.

Recommended configuration: Pentium 4, 1 GB of RAM, 20 GB free disk space, 15" color monitor, CD-ROM drive, network connectivity.

Operating system: Windows XP, Windows Server 2003

Follow the steps below to install (on Windows XP as example).

1. Double-click the file **setup.exe** to run the install program. The install program starts collecting system related information, and after this, it displays the welcome window.



Figure-1

2. Click **Next**. The install program shows the license agreement. Accept the terms and click **Next** to continue.

1 Bit TIFF to PDF SetUp	×
License Agreement	
Please read the following license agreement carefully.	
END-USER LICENSE AGREEMENT FOR FOUNDER 1 Bit TIFF TO PDF(TM) IMPORTANT-READ CAREFULLY: Be sure to carefully read and understand all of the rights and restrictions described in this Founder End-User License Agreement ("EULA"). You will be asked to review and either accept or not accept the terms of the EULA. This software will not install on your computer unless you accept the terms of this EULA. Your click of the "Yes" button is a symbol of your signature that you accept the terms of the EULA. This EULA is a legal agreement between you (either an individual or a single entity) and Beijing Founder Electronics Co., Ltd. ("FOUNDER") for the Founder 1 Bit TIFF to PDF software accompanying this EULA, which includes computer software, fonts, interface card, data cable, related data files, related medium, dongles, and may include associated media, printed materials, and any "online" or electronic documentation ("SOFTWARE").	
 I accept the terms of the license agreement ☐ do not accept the terms of the license agreement 	
nstallShield	
< <u>B</u> ack <u>N</u> ext > Cancel	

Figure-2

3. Input the user name and company name, and click **Next**.

1 Bit TIFF to PDF SetUp	8
Customer Information Please enter your information.	
Please enter your name and the name of the company for which you work.	
mike <u>C</u> ompany Name:	
founder	
InstallShield	Cancel

Figure-3

4. The install program prompts you to specify a destination. You can use the default folder, or specify another with the **Change** button. And then, click **Next**.

1 Bit TIFF	to PDF SetUp	🔀
	Destination Location Ider where setup will install files.	ASA .
	Install 1 Bit TIFF to PDF to: C:\Program Files\Founder\1 Bit TIFF to PDF	<u>C</u> hange
InstallShield –	< <u>B</u> ack Next >	Cancel

Figure-4

5. The 1 bit Tiff to PDF tool can be used together with Founder's ElecRoc or EagleRIP system. Here you need to choose the server your tool is intended to connect.

1 Bit TIFF to PDF SetUp	
Setup Type Select the setup type that best suits your needs.	
Please choose the server you want to connect:	
● ElecRoc 5	
InstallShield	
< <u>B</u> ack <u>N</u> ext >	Cancel

Figure-5

6. Specify the program folder.

1 Bit TIFF to PDF SetUp
Select Program Folder Please select a program folder.
Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing folders list. Click Next to continue. <u>P</u> rogram Folder:
Founder\1 Bit TIFF to PDF Existing Folders: ACD Systems
Adobe Enfocus PitStop Pro EPSON Founder ElecRoc
HyperSnap Microsoft Office Microsoft Office Tools Microsoft Visual SourceSafe
InstallShield

Figure-6

7. The program prompts that it's ready to begin the installation. Click **Install**.

Quick Start

1 Bit TIFF to PDF SetUp
Ready to Install the Program The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield

Figure-7

8. It starts the installation. The bar shows the progress.

1 Bit TIFF to PDF SetUp	
Setup Status	No.
1 Bit TIFF to PDF is configuring your new software installation.	
Installing	
d:\Program Files\Founder\1 Bit TIFF to PDF\Bin\DocGen.dll	
InstallShield	
	Cancel

Figure-8

9. When the bar reaches 100%, it prompts that the installation is completed. Click **Finish** to exit.

1 Bit TIFF to PDF SetUp	
1 Bit TIFF to PDF SetUp	InstallShield Wizard Complete The InstallShield Wizard has successfully installed 1 Bit TIFF to PDF. Click Finish to exit the wizard.
	< <u>B</u> ack Finish Cancel

Figure-9

About the tiff files

This tool accepts the 1 bit tiff files from Founder's ElecRoc and EagleRIP, or the third party HQ's RIP. The 1 bit tiff files are produced in these applications as follows:

In Founder EagleRIP or HQ RIP, install the TIFF device driver and then use the TIFF or TIFF-based template to submit, RIP and print out a file, and you can find out its 1 bit tiff files generated under a directory that can be specified in the template.

- 1. Choose the **TIFF** device driver option to install EagleRIP;
- 2. Configure the TIFF template, or create a TIFF-based template;
- 3. Specify the output directory for the tiff files in the template;
- 4. Use the TIFF template to submit the files;
- 5. RIP and print out.

Quick Start

Logert# 5.%	E topetter	Device Setup
5988890	Acton Proserly Preferences Hele	Destro Help
ANA ABANA 	Serger December 1757	Amarco Conversion Compression Control and a State Compression Control and a State Compression Control and a State Compression Control and a State Nor and
	Settern Sturt Timer 2011/0/1/21 09:05:48	Disable PixelArrange 0 (*
Anton Freis Preiser Preference Heis Anton Freis Freizer Anton Freis Freizer Anton Freizer An	Biospie Display Actor. Tells: Ready F Markense. Halls Biospie Biospie Biospie Biospie Products Products Products Products <th>O Wang bu Pint O Wang bu Pint Data</th>	O Wang bu Pint O Wang bu Pint Data
Order Stat Trez 20 (512) Tengilar Tengi	Process Time (000311 Phildbalane Private Strategy) Statistics 2012 1012 10120 Ext.Time 20120121 10120 Ext.Time 201201201 E01420 Ext.Time 201201201 Ext.Time 20120120 Ext.Time 20120120 Ext.Time 20120120 Ext.Time 20120120 Ext.Time 20120120 Ext.Time 2012012 Ext.Time 201201 Ext.Time 201201 Ext.Time 20120 Ext.Time 201201 Ext.Time 201201 Ext.Time 20120 Ext.Time 201	

Figure-10

In Founder ElecRoc, you can use the 1 Bit TIFF Export processor to generate 1 bit tiff files under a specified directory. The output directory can be defined in the processor's parameter setup window.

Conneral	
Not near Courte Court Setup	
Rules for file with same name: Covering m	
👷 ter Print Print y 🐨 — 👘 👘 👘 👘 👘	
Orstice Politice Politice Politice Orstice Ors	
Eust 18177 Door	
P 110	
B Man Aduthert	Browse
🔓 Data watari	
Process	
Topser Oge C T	-
And Canoose Linker	,
-Bas Delete processed TFF flas	
Carcell Visite Vaprile	
Loss Parameters	Apply Cancel

Figure-11

1. An ElecRoc workflow containing the processor 1 Bit Tiff Export;

2. The 1 Bit Tiff Export processor parameter setup window.

Start the tool

Double-click the shortcut icon **o** of the tool on the desktop, or choose **Start** > **All Programs** > **Founder** > **1 Bit TIFF to PDF** > **1 Bit TIFF to PDF**, to start the tool.

1) For use in ElecRoc environment: if your tool is prepared for use along with Founder ElecRoc, you will need to provide the name or the IP of the computer where the ElecRoc dongle is installed.

Select the Computer of	ElecRoc 5 Dongle	
Please enter the Name/IP of Computer where the dongle is plugged		
Name/IP:	elecroc_test1	
	OK Cancel	

Figure-12

2) For use in EagleRIP environment: if your tool is ready for use with Founder EagleRIP, you need to provide the EagleRIP option number.

Enter the option number of EagleRip Dongle 🛛 🛛 🛛 🛛		
Please enter the EagleRip option number		
Option Number:		
OK Cancel		

Figure-13

Click **OK**. The main window of the tool appears.

🐔 1 Bit TIFF to PDF				
<u>File Preferences View About</u>				
1 🖓 🔒 🔞 🚺				
Hot Folder List Input Folder	Progress:			
	Job Name		Time	Status
	Progress:			
	Job Name		Time	Status
	J			
<				>
Ready		Free Space	on Disk Total	Space on Disk

Figure-14

Submit tiff files

There are two ways for you to submit the tiff files to this tool.

Use the Open command

Click the toolbar icon μ , or choose from the menu **File** > **Open...**. In the follow-up dialog box, locate the tiff files and open them.

The opened files are then shown in the upper-right queue of the main window, i.e. the **Waiting...** queue.

Progress:		
Waiting Job Name(3)	Time	Status
Pc-fh10-e-com.pdf_P0001(C K M Y)	01/24/2011 16:38:03	Waiting
Pc-fh10-e-com.ps_P0001(C M Y)	01/24/2011 16:38:03	Waiting
Pc-fh10-e-sep.ps_P0001(C M K)	01/24/2011 16:38:03	Waiting
Figure 1E		

Figure-15

Use a hot folder

Define a hot folder and put the tiff files into the folder. The tool can automatically detect and process the tiff files entered into the hot folder.

To define a hot folder, perform as follows:

1. Click the toolbar icon \checkmark , or choose from the menu **File** > **Add Hot Folder**.

Add	Hot Folder	
	Please enter your new hot folder name:	
	test	
	OK <u>C</u> ancel	

Figure-16

Input the name for your hot folder setting, and click **OK**.

2. The setup window for your hot folder appears. Configure the parameters as needed, and then click **OK**.

Hot Folder Setu	ıp	×	
Name:	test Interval: 10	s	
Input Folder:	D:\Tiff		
Finished File is	▼ Include Subfolders		
O Deleted or			
⊙ Moved t	o D:\Backup		
- Submit Jobs]	
The jobs will be submitted when waiting time exceeds 10 s			
The jobs	will be submitted when planes number equals to 4		
Resolution:	300 viginal Resolution		
PDF Output:	D:\PDF	_	
	OK Cancel		

Figure-17

You need to specify the input and output folders.

Input Folder: The folder where the tool receives the tiff files. After you put the tiff files into this folder, the tool can then automatically and regularly detect them, and process them upon the detection. If you check **Include Subfolders**, the tool can search for the tiff files in the subfolders (if any). In practice, for example, you can specify the output directory of EagleRIP or of ElecRoc's 1 Bit Tiff Export processor as the input folder.

PDF Output: The folder where the tool generates, i.e. outputs the PDF files.

Resolution: The resolution of the final generated PDF files. If you want the resolution to be same as that of the input tiff files, check **Original Resolution**. If not, you can choose a resolution from the dropdown list or enter a custom one, ranging from 72 to 1440 dpi.

Submit Jobs: The multiple tiff files screened from a same file may not arrive to the input folder simultaneously. In this case, you can check **The jobs will be submitted when waiting time exceeds**, and specify a time value, when no tiff files arrives within the specified time period (10 seconds), the tool will stop waiting and submit the files, even if some of the tiff files may have not arrived. Or you can check **The jobs will be submitted when planes number equals to**, and specify a number value, when the number of the arrived tiff files equals to the specified number, the tool will also stop waiting and submit the files, even if some files may not have arrived.

You may specify other relevant parameters, if needed.

Interval: The time interval at which the tool regularly detects in the folder.

Finished File is Deleted or Moved to: If you check **Deleted**, the tiff files in the input folder will be deleted after the generation of the PDF file. If you check **Moved to**, you can specify a destination and the tiff files will then be moved to this destination.

Click **OK** when you have defined the above parameters.

3. You will then see the hot folder setting in the left queue of the main window. Check it to run the hot folder.

Eile	Preferen	ces <u>i</u>	<u>/</u> iew	<u>A</u> bout
		Ω	Ô	
			٢	
Hot	Folder Li	st (1))	Input Folder
🖌 t	est			D:\Tiff

Figure-18

Note: When a hot folder is not running, i.e. unchecked, you can use the right-click menu items **Modify** and **Delete** to modify its setting or delete it.

4. By clicking, make sure that the button in the upper-right queue (i.e. the **Waiting...** queue), has turned from to.

Now you can put tiff files under the hot folder, and the tiff files will soon enter into the file queue of the tool.

Progress:		
Waiting Job Name(4)	Time	Status
12_10_Pc-fh10-e-com_ps_p0001_2540_P0001(K C M Y)	01/24/2011 18:12:25	Waiting
12_10_Pc-fh10-e-sep_ps_p0001_2540_P0001(K C M Y)	01/24/2011 18:12:25	Waiting
12_10_PDF_Image_300_212_pdf_p0001_2540_P0001(K C M Y)	01/24/2011 18:12:25	Waiting
12_10_PDF_Image_A3_landscape_pdf_p0001_2540_P0001(K C M S Y)	01/24/2011 18:12:25	Waiting

Figure-19

Output PDF file

Before the output

The submitted jobs are listed in the **Waiting...** queue. The separations it contains are indicated at the end of the job name, such as (K|C|M|Y|S). "S" indicates spot color.

Right-click a waiting job and you can get a shortcut menu. The menu items and their functions are as follows.

About Job: To view the detailed information about the job, including job name, submit type, time, tiff files it contains, color names, and job status.

Setting: To define the output setting.

Retry: To output once again in case that the output is failed. For instance, if your job contains a spot color tiff file but you haven't defined the spot color in advance, it would turn back the job (showing the job as **No Setting**) at the time of being output. In such case, you can define the spot color, and then choose this menu item to re-output the job.

Delete Selected Item: To delete the selected job in the queue.

Clear All Items: To delete all the jobs in the queue.

Output setting

Right-click the job and choose **Setting**.

Setting	
PDF Setting Spot Setting	
PDF Name	If PDF file(s) exists
💽 Кеер	💽 Skip
Custom:	Overwrite
Resolution:	
300 🖌 dpi	
Original Resolution	
PDF Output:	
D:\1 bit Tiff to PDF\PDF	
ОК	Cancel

Figure-20

Under the **PDF Setting** tab:

PDF Name: If you choose **Keep**, the name of the generated PDF file keeps the same as that of the input tiff files. You can also choose **Custom** to define a custom file name.

Resolution: Here you can separately define the resolution. Otherwise, it remains the <u>resolution setting</u> as defined in the hot folder or that defined by choosing from the menu **Preferences** > **System Preferences** > **PDF Setting**.

PDF Output: Here you can also separately define the output folder.

If PDF file(s) exists: In case that a PDF file with same name exists in the output folder, if you choose **Skip**, a prefix will be added to the name of the newly-generated PDF file; and if you choose **Overwrite**, the existing file will be overwritten by the newer one.

Setting	
PDF Setting Spot Setting	
Spot Color in Current Job	Spot Color Name: PANTONE Reflex Blu C: 9 M: 80
	Y: 21 K: 6
	Add Reset
ОК	Cancel

Figure-21

Under the **Spot Setting** tab:

If the job contains spot color separation, you need to define the values of the spot color, so that the tool can correctly output the spot color.

Choose a spot color (if any), and manually enter the cmyk values, and then click **Add**. You can also define the spot colors by choosing **Preferences** > **System Preferences** > **Spot Setting**.

Output

Click the button in the lower-right queue, i.e. the **Processed...** queue, turning it to. And the tool then starts generating the PDF files.

1 Bit TIFF to PDF Ele Preferences View About				
1 🖓 🔒 🕜 🔄				
Hot Folder L Input Folder	Progress:			
✓ test D:\1 bit Tif	Waiting Job Name(1)		Time	Status
	12_10_PDF_Image_A3_landscape_pdf_p0001_2540_P0001((K C M S Y)	01/24/2011 18:12:25	Processing
	<			>
	Progress:			
	Processed Job Name(3)		Time	Status
	12_10_Pc-fh10-e-com_ps_p0001_2540.pdf 12_10_Pc-fh10-e-sep_ps_p0001_2540.pdf 12_10_PDF_Image_300_212_pdf_p0001_2540.pdf	01/2	24/2011 18:12:25 24/2011 18:12:25 24/2011 18:12:25	Finished Finished Finished
D:\1 bit Tiff to PDF\ D:\1 bit Tiff to PDF\ D:\1 bit Tiff to PDF\ D:\1 bit Tiff to PDF\	 Tiff\12_10_PDF_Image_A3_landscape_pdf_p0 Tiff\12_10_PDF_Image_A3_landscape_pdf_p0 Tiff\12_10_PDF_Image_A3_landscape_pdf_p0 Tiff\12_10_PDF_Image_A3_landscape_pdf_p0 Tiff\12_10_PDF_Image_A3_landscape_pdf_p0	001_254 001_254 001_254	0_Cyan.tif 0_Magenta.tif 0_PANTONE Refle:	x Blue M.tif
	PDF\12_10_PDF_Image_A3_Iandscape_pdf_p0	001_254	0.pdf	
D:\1 bit Tiff to PDF\	Backup			
				>
Ready	Free Space	on Disk:11	303 MB Total Spac	e on Disk:40962 MB 👘

Figure-22

After the output

Switch to the output folder, and now you can see and open the generated PDF files.

In Adobe Reader or Acrobat, when you have opened the generated PDF file, choose from the main menu **Advanced** > **Print Production** > **Output Preview** to show all the separations of the file. If you don't check **Output Preview**, by default, it shows only one of the separations.

Quick Start



Figure-23

In the **Processed...**queue, you can use right-click menu items **Delete Selected Item** or **Clear All Items** to delete the finished jobs from the queue.

System Preferences

Click the toolbar icon, or choose from the menu **Preferences** > **System Preferences**.

1) Under the **System Setting** tab:

Maximum Jobs for Processing: The maximum number of jobs in the two job queues.

Warning Free Space: To issue warning when the free disk space in the partition where the tool is installed is less than the value specified here.

Information Window Buffer: The size of the buffer that stores the messages in the information window.

System Preferences	×
System Setting PDF Setting Spot Setting Maximum Jobs for Processing: 500 Warning Free Space(MB): 200	Information Window Buffer(KB):
ОК	Cancel

Figure-24

2) Under the **Spot Setting** tab:

System Preferences	
System Preferences System Setting PDF Setting Spot Setting Founder Spot Color Custom Spot Color PANTONE Reflex Blue M System Spot Color PANTONE process coated(CM PANTONE DS 100-1 C PANTONE DS 100-2 C PANTONE DS 100-3 C PANTONE DS 100-4 C	Spot Color Name: PANTONE DS 100-6 C C: 0 M: 50 Y: 35 K: 25 System Spot Color First Add Delete
PANTONE DS 100-5 C PANTONE DS 100-6 C PANTONE DS 100-7 C C	Load Reset Find

Figure-25

Here you can define the spot colors for all the jobs, so that they can be properly output.

Moreover, here you can import spot colors such as Pantone ones as system spot colors. But before this, you need to manually copy the spot color file (e.g. .sts file) into the **System Spots** directory (e.g. c:\Program Files\Founder\1 Bit TIFF to PDF\System Spots). To import system spot colors, choose **System Spot Color**, and click **Load**, and then choose the system spot color in the follow-up dialog box.

System Spot Color First: When checked, if two colors from the **Custom Spot Color** and the **System Spot Color** lists have a same name, the system one will be used first, otherwise the custom one first.

3) For settings under the **PDF Setting** tab, refer to the previous section.

Notes

For tiff files from ElecRoc, the file name may contains characters such as *, this is not supported by this tool. You need to manually delete such characters.

For EagleRIP tiff files screened in RGB mode, it's not recommended to use this tool to output PDF file.