

Add logo to Receipt

Logo Setup and Installation for Epson printers

Printer Software install

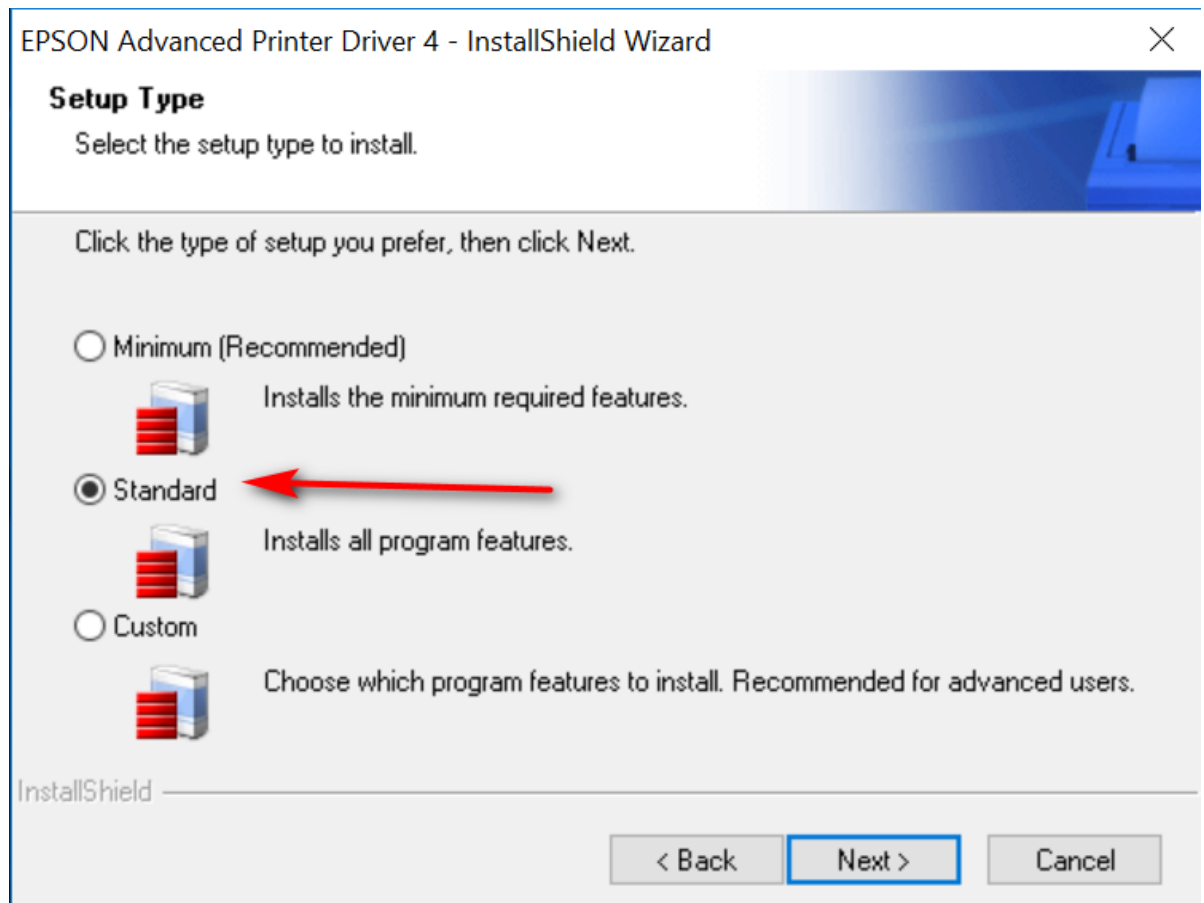
Image preparation and requirements

Loading Image onto printer

Configuring POS software to print images

Printer Software install

1. Download the Advanced print driver from the Epson site
2. Start the install of the advanced print driver
3. On the first screen select next
4. Accept the terms of the license agreement
5. For the setup type select Standard



6. Click the add printer button
7. Select the correct driver for your printer and the port type (In this example I am using a T88IV on a COM port)

EPSON Advanced Printer Driver 4 - InstallShield Wizard

Add Printer

Settings for the printer being added

Specify the printer to be added.

Select driver: EPSON TM-T88IV Receipt

Printer name: EPSON TM-T88IV Receipt

Port Type: Create a Serial port

☐ Set as Default Printer

Note: Steps for connecting a customer display to the printer

1. Add the device by connecting it to the PC directly.
2. Add the other device. Select the device to be connected in "Communication".

InstallShield

< Back Next > Cancel

8. Configure the communication settings for your printer

Serial Port Settings

Change the serial port settings.

Please make the appropriate serial port settings.

Printer name:

COM Port:	COM3	Stop Bits:	1
Baud Rate:	38400	Flow Control:	DTR/DSR
Data Bits:	8	Parity:	None

InstallShield

< Back **Next >** Cancel

9. After you select next you are taken back to the printer configuration page. Select the next button and continue with the installation.

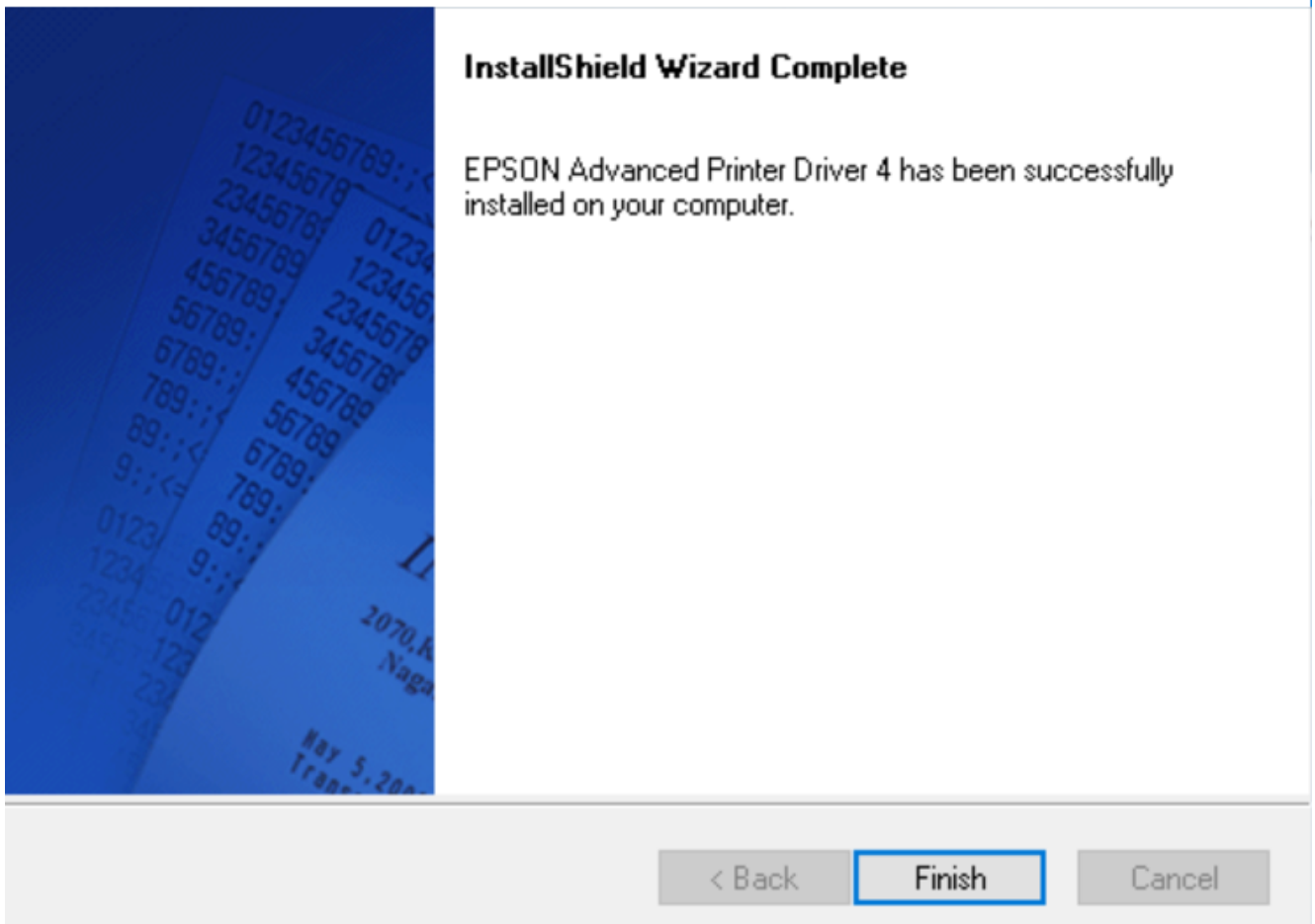


Image preparation and requirements

The source image can be either a jpeg or PNG or BMP

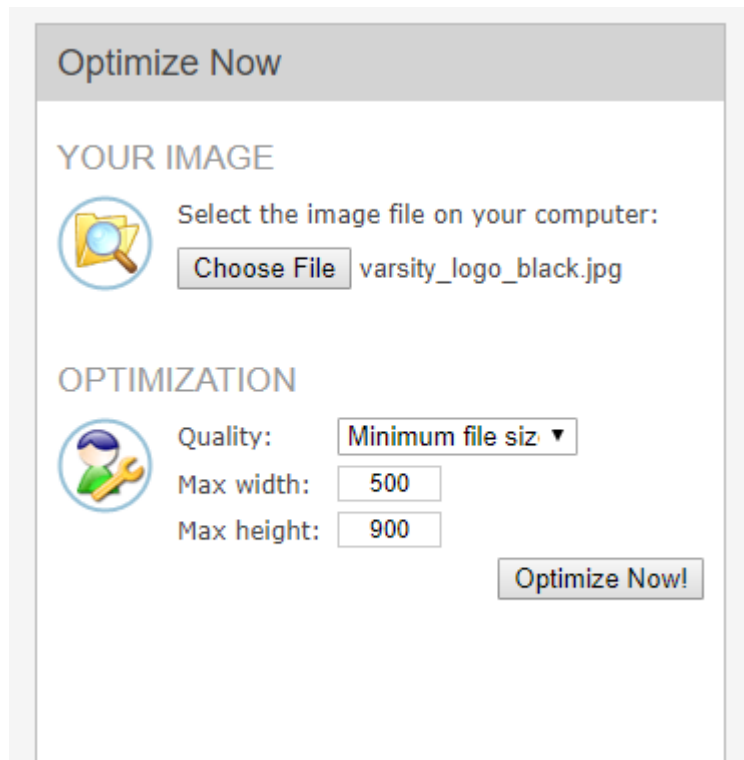
I have found that a max image width of 500px works best but the image can be of any size as you can run it through an optimizer.

The instructions below will be for a JPEG but can be applied to most images

1. Save your image to a folder or the desktop
2. In a web browser navigate to

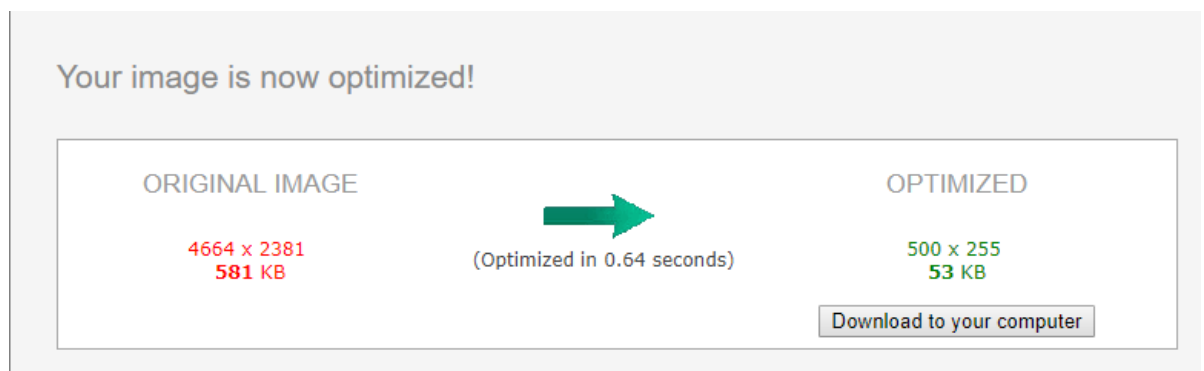
<http://www.imageoptimizer.net> (I use this site but almost any optimizer will work for this)

3. Upload the image to the site
4. Under the optimization options select the following (The Max height will auto adjust during the optimization)
 1. Quality: Minimum file size
 2. Max width: 500



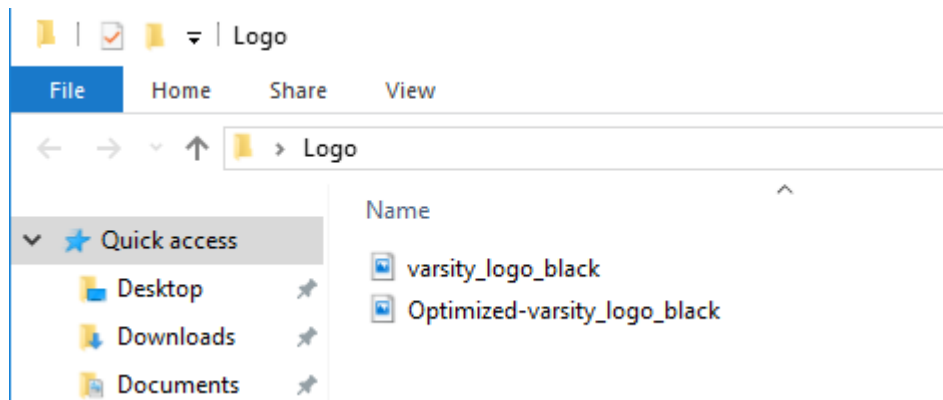
The screenshot shows the 'Optimize Now' interface of the ImageOptimizer.net website. It has a light gray background with a white central panel. At the top, a gray header bar contains the text 'Optimize Now'. Below this, the section 'YOUR IMAGE' features a magnifying glass icon and the text 'Select the image file on your computer:'. A 'Choose File' button is next to the filename 'varsity_logo_black.jpg'. The 'OPTIMIZATION' section below it includes a person with a key icon, a 'Quality' dropdown menu set to 'Minimum file size', and input fields for 'Max width' (500) and 'Max height' (900). An 'Optimize Now!' button is located at the bottom right of the optimization section.

- 3.
5. Select Optimize now
6. The next screen now shows the original width and height and the size on the left and the new width and height and size on the right

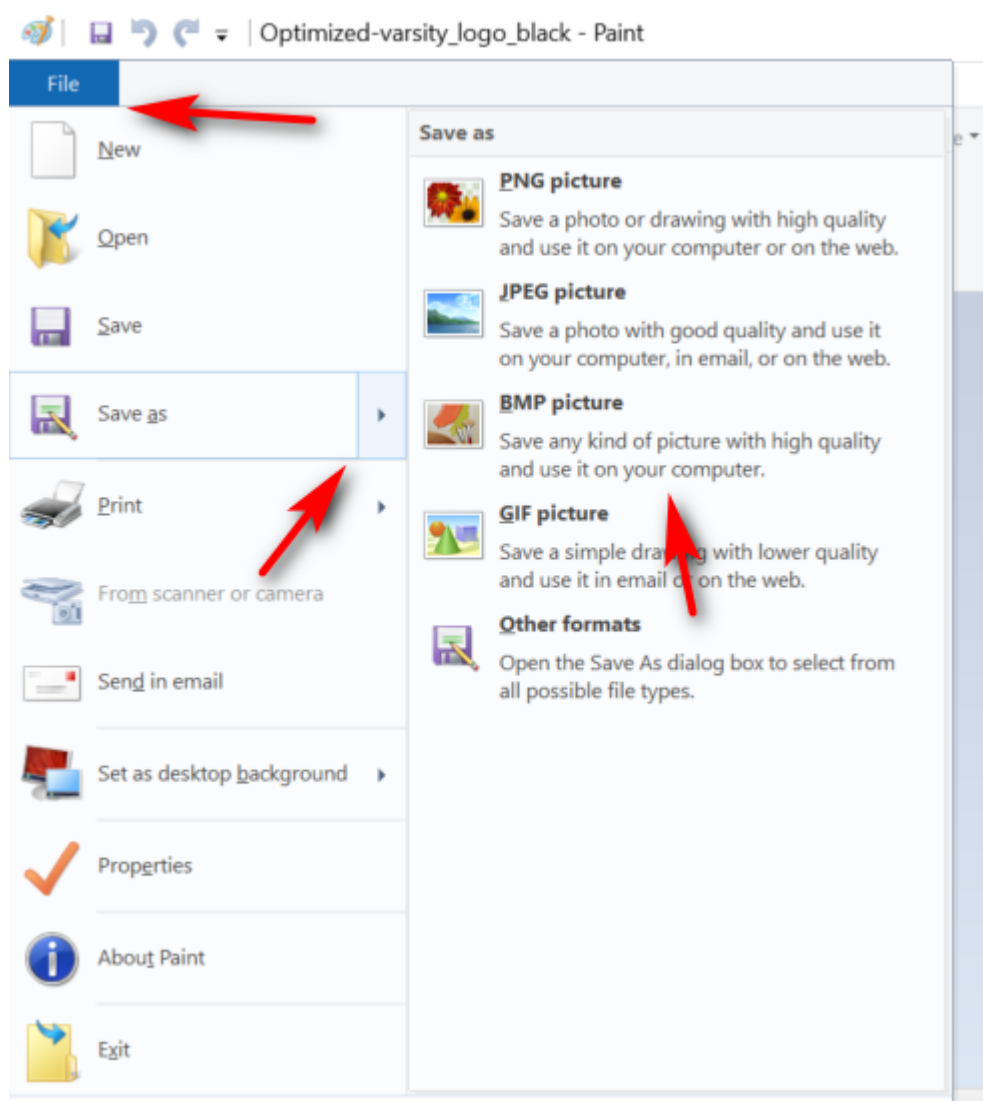


The screenshot shows the 'Your image is now optimized!' interface. It features a light gray background with a white central panel. At the top, the text 'Your image is now optimized!' is displayed. Below this, a comparison is shown between the 'ORIGINAL IMAGE' and the 'OPTIMIZED' version. The original image has dimensions '4664 x 2381' and a size of '581 KB' in red text. A green arrow points to the optimized version, which has dimensions '500 x 255' and a size of '53 KB' in green text. Below the arrow, it says '(Optimized in 0.64 seconds)'. A 'Download to your computer' button is located at the bottom right.

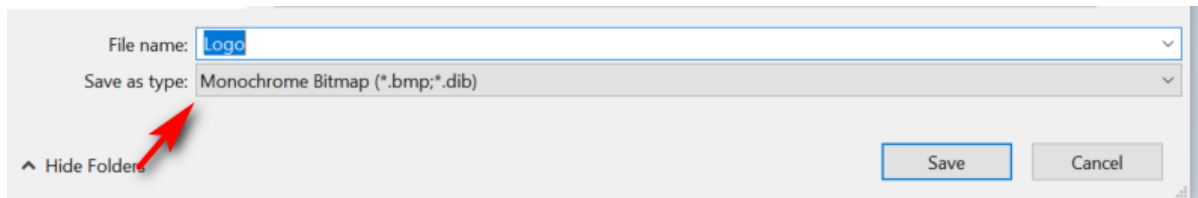
7. Select the download to your computer button and it will save your image to your device
8. Move and rename it to something that you will remember.



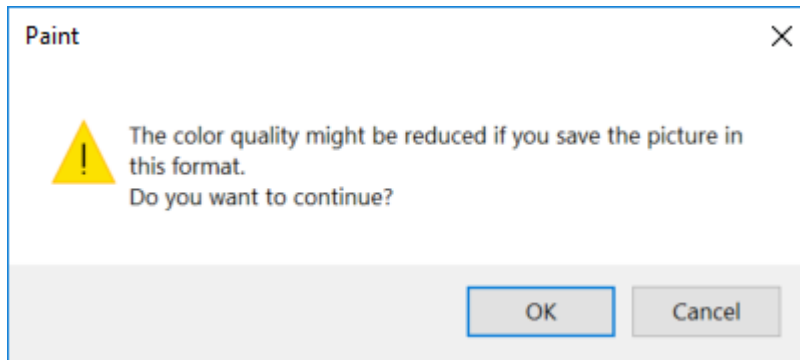
9. Right click the optimized image and select edit.(Works best if you do this in paint)
10. Select File then save as BMP Picture



- 11.
12. Select the location you would like to save it to.
13. Rename it to something that will be easy to find(for example Logo)
14. Select the drop down and select Monochrome Bitmap

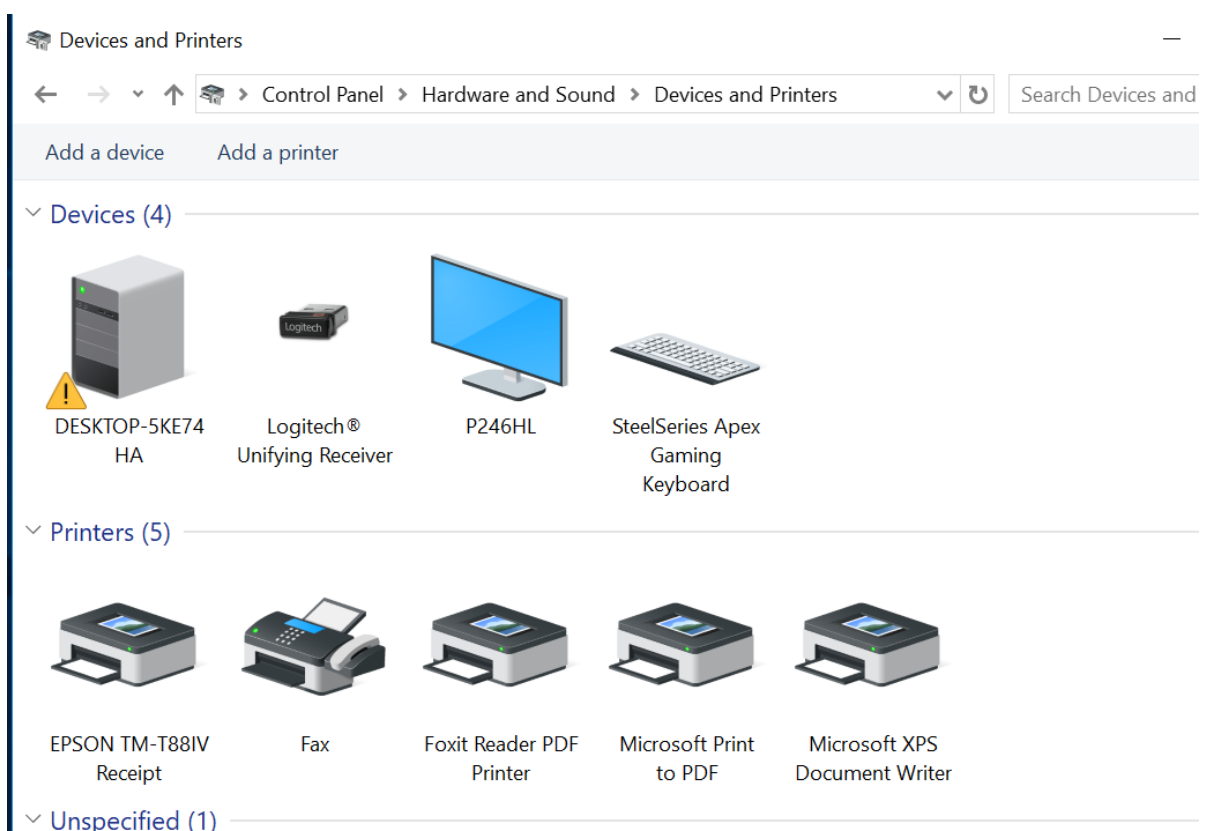


15. When prompted select Ok



Loading Image onto printer

1. Open devices and printers and locate the printer that was installed in the first segment.



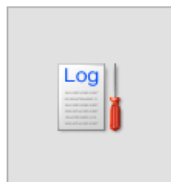
2. Right click your printer and select printer properties
3. Select the Utility tab then select the EPSON Flash Logo button

General Sharing Ports Advanced Color Management Security Utility Version



EPSON Flash Logo

Register image data in the printer.
This is only for registering logos



EPSON Log File Settings

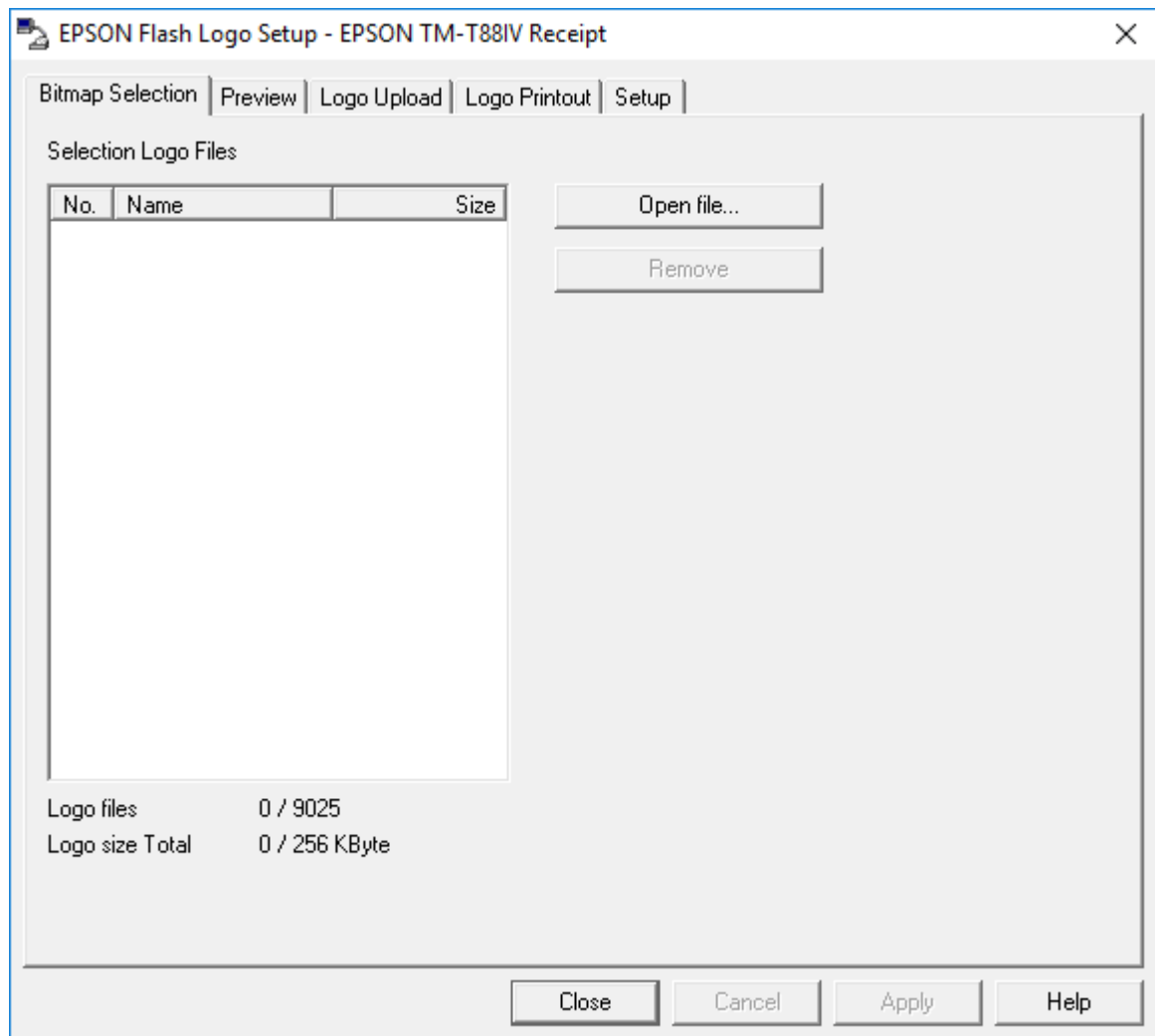
Log Option Settings



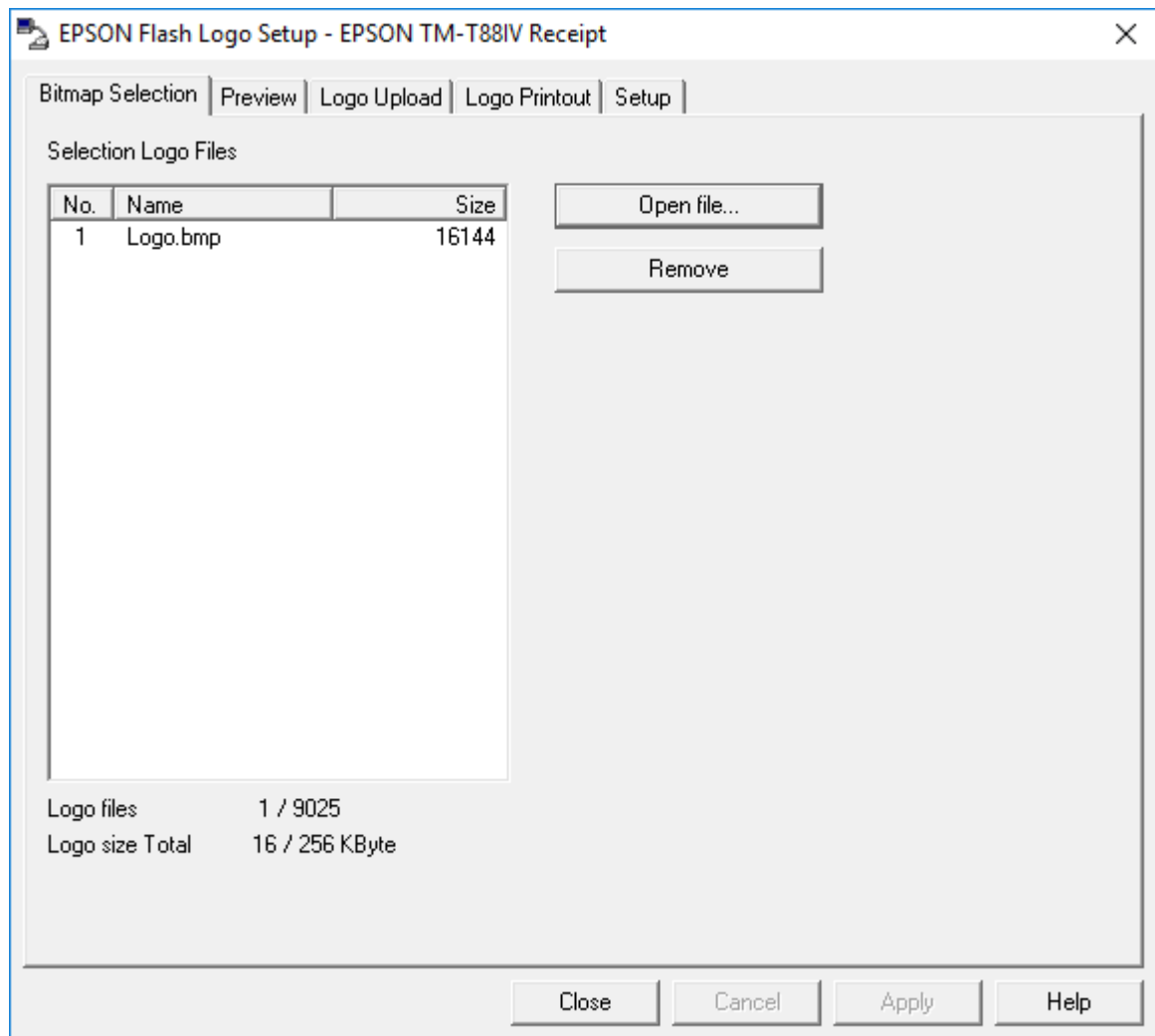
Edit ControlA Font Character Translation Table

Edit commands for registering ControlA fonts

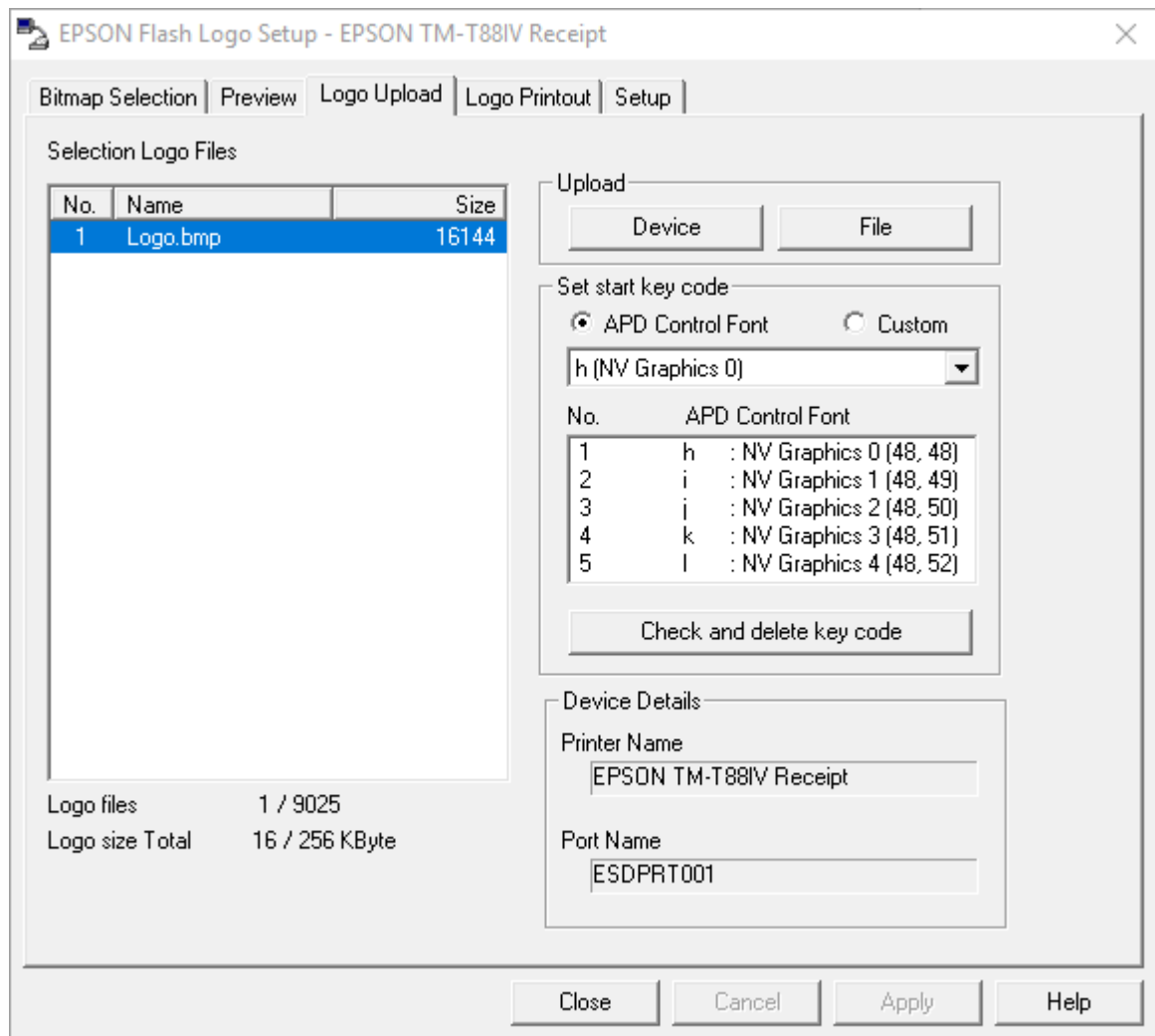
4. On the next window that opens select the Bitmap Selection



5. Select Open File and locate your image
6. In the file manager select okay and then you will be returned to the bitmap selection window

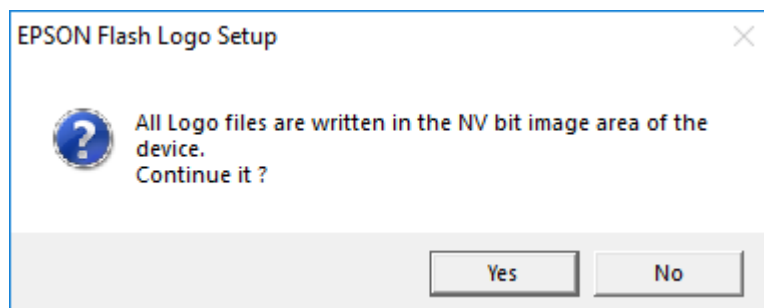


7. Repeat steps 5 and 6 if you have more images to load
8. Select the Logo Upload tab

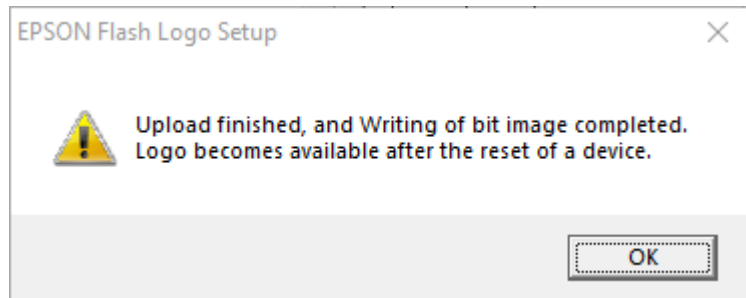


9.

10. Leave the settings as they are and select the Device button (The file option will generate a file that can upload the image. This option is very sporadic when uploading the images)
11. It will take a second or two but you will receive a prompt asking if you want to continue select yes



12. The upload process can take a some time and may lock up but it will show the following prompt when it is



finished.

13. Select ok and then toggle the power on the printer off then on.
14. You can then close out of the flash logo setup and continue to the next section.

Configuring POS software to print images

This section works best in a GUI connection

1. Open the TCS GUI and login to POS
2. Navigate to Hardware Configuration Codes (POS-3-2)
3. It is recommended to create a new Configuration ID but you don't have to

For this example I am creating a copy of GUIE named GUIEI

4. Select your configuration code

Hardware Configuration Codes			
Configuration ID: GUIEI ??			
Description* GUI AUX PRINTING, AUX DISPLAY (FAST)			
Receipt Printer Type (A/S#/D#)	A	Display Pole Type:	A
Printer Subroutine*	POS.GENERIC.PRINTER		
Initialization Subroutine:	SETUP.ICS.EPSON.930		
Mag Stripe Reader Type*	PREH	Barcode Type:	??
		Credit Card Tip:	
----- Control Codes -----			
Print on Printer:	ESC COM	Print on Receipt:	ESC c 0 STX
Print on Display Bar:	??	Print on Journal:	
Display Bar Line 1:		Print on Both:	
Display Bar Line 2:		Turn On Slip Prntr:	ESC c 0 EOT
Print on Monitor:	ESC COM	Turn Off Slip Prntr:	ESC c 0 SOH
Open Cash Drawer1:	ESC p CHAR(0) CHAR(25) C	Simultaneous J/R On:	
Open Cash Drawer2:		Simultaneous J/R Off:	
Lines Before CC Text:	4	Check Drawer1 Status:	
Lines After CC Text:	3	Check Drawer2 Status:	
Printer EOL Code:	LF	Check Printer Slip:	
Display EOL Code:		Cut Printer Paper:	GS V 1
=Save X=Cancel M=Modify S1=Screen1 S2=Screen2 S3=Screen3			

5. Select Screen 2 by either typing S2 or selecting the button

Hardware Configuration Codes	
Font Code	Font Code
Normal..... 0: ESC ! CHAR(2)	User Font1.... 21:
Condensed1.. 1: ESC ! CHAR(1)	User Font2.... 22:
Condensed2.. 2:	User Font3.... 23:
Condensed3.. 3:	User Font4.... 24:
Double High. 4: ESC ! CHAR(21)	User Font5.... 25:
Double Wide. 5: ESC ! CHAR(32)	User Font6.... 26:
Double H/W.. 6: ESC ! CHAR(49)	User Font7.... 27:
Micro Feed.. 7:	User Font8.... 28:
	User Font9.... 29:
	User Font10... 30:
	User Font11... 31:
	User Font12... 32:
	User Font13... 33:
	User Font14... 34:
	User Font15... 35:
	User Font16... 36:
	User Font17... 37:

6. Click the entry box next to User Font 1... 21:

For TM 88 the current code that prints the first uploaded image is (

This may change to the proper ESC codes at some point)

HEX1d HEX28 HEX4c HEX06 HEX00 HEX30 HEX45 HEX30 HEX30 HEX01
HEX01

To print the second image use

HEX1d HEX28 HEX4c HEX06 HEX00 HEX30 HEX45 HEX30 HEX31 HEX01
HEX01

For any images following the first two replace the ## in the line below with a number above 31 (32- 3rd image , 33 – 4th image, 34 – 5th image)

HEX1d HEX28 HEX4c HEX06 HEX00 HEX30 HEX45 HEX30 HEX##HEX01
HEX01

7. Hit enter a few times until you are back at the Hardware parameters menu

8. Now select Receipt header POS.3.3

Receipt Header			
Receipt Header Code:		MAIN.IMG	??
Description:		MAIN	
Override Printer:			
Lines Before*	0	Indent*	0
Print First:		Y	
Max Lines:		0	

##	[...+...1...+...2...+...3...+...4...+...5...+...6...+...7	Font
1	Insert	Insert
2	AUM BOOKSTORE	
3	MAIN FLOOR - TAYLOR CENTER	
4	MONTGOMERY,AL 36117	
5	Phone: 334-244-3578	
6	Fax: 344-277-0535	
7	On the web: bookstore.aum.edu	

14. Hit the spacebar 3 times and hit enter
15. When prompted with are you deleting this data select no

Receipt Header	
Are you deleting this data?	
Yes	No

16. You will then be shifted to the font section
17. Here you will enter the font code you set above.

21. Once changed hit enter until you are back at the main POS screen
22. If you are making this change on the host or on the smartlane you can now select option 1 Cash Register and run a test transaction.

After running the transaction, you should now have an image on your

receipt. Below is an example

Varsity

BOOKSTORE

www.varsitybookstore.com

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MAIN FLOOR - TAYLOR CENTER
MONTGOMERY, AL 36117

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Fax: 344-277-0535

On the web: bookstore.aum.edu

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SALES TAX 0.10

TOTAL 1.10
1.10

CASH
SA TCS-BS 404 22:01:38 11/28/18 0022

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ONE DAY REFUNDS ON BOOK PURCHASES,
FRIDAYS IS DAY OF PURCHASE ONLY.
RECEIPT REQUIRED FOR ALL REFUNDS.
SUMMER RENTALS DUE 8/1/2014.