

TiffMaker90 Command-Line Version (ASCII and Unicode)

(For the DLL Version please see separate User Guide)

Version 9.20

Informatik Inc

User Guide

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Introduction

The TiffMaker90 files can be found in the C:\Program Files\Informatik Inc\TiffMaker90 folder.

TiffMaker90 requires Microsoft .NET Framework 2.0 or later.

Demo Version, Licensed Version

You may use the Demo Version for 30 days only. After 30 days, the TiffMaker90 software must be uninstalled or a license must be purchased. The demo version displays a Demo message and annotates output documents with a 'DEMO' notation. Use the Demo version only for testing.

When you order a license for Tiffmaker90 you will receive the unlock code for the Tiffmaker90 DLL version within a few minutes by auto-generated email. For the licensed **Commandline version**, please separately contact Informatik Inc. They will then email you the licensed (unlocked) TM90CMD.exe file.

DLL Version

For the Tiffmaker90 DLL version, please refer to separate user guide.

ASCII versus Unicode

Tiffmaker90 version 9.20 and higher can run in ASCII or Unicode mode. For plain ASCII characters you should run in ASCII mode as it executes much faster. Use the Unicode mode only if needed for Unicode characters.

The program will run in ASCII mode unless you set the CodePage and/or RightToLeft properties. Please see the `_CP` and `_R2L` sections below. If either of the two properties is set, then the program will run in the (slower) Unicode mode.

How to Use TiffMaker90

1. Create a new folder and place the following three (3) files into it:

- TM90CMD.exe
- Tiffmaker90.dll
- Tifftek32.dll

2. Run the command line:

- From the Start -> Run, or
- with the Windows Command Prompt, or
- with a new process (see .NET sample below)

Sample of command lines

```
C:\somedir\TM90CMD.exe in=c:\somedir\somefile.txt;out=c:\somedir\somefile.tif
C:\somedir\TM90CMD.exe in=c:\ xxx.txt;out=c:\yyy.tif; canvas= c:\zzz.tif
C:\somedir\TM90CMD.exe in=c:\ xxx.txt;out=c:\yyy.tif; width= 8;height=14
"C:\Some Dir\TM90CMD.exe" in=c:\ xxx.txt;out=c:\yyy.tif; width= 8;height=14
```

The 'in=' is mandatory and represents the source text file.

The 'out=' is mandatory and represents the output graphics file.

All other specifications are optional.

The parameter elements must be separated by a semi-colon.

There must NO SPACE between the parameter element name and the equal sign.

If you run the command in Start->Run and the TM90CMD.exe path name includes a space, then the TM90CMD.exe path must be encapsulated in quotes. Otherwise no quotes should ever be used.

If you run the program in a batch mode you may want to add 'timeout /t 1' between each call to TM90CMD.exe.

If you want to run the commandline with a .NET process, use coding as follows:

```
Dim proc As New Process
proc.StartInfo.FileName = "C:\somedir\TM90CMD.EXE"
proc.StartInfo.Arguments = "in=C:\dir\file.txt;out=C:\dir\file.tif"
proc.Start()
proc.WaitForExit()
Dim exitcode As Integer = proc.ExitCode
```

The following argument (parameter) elements are available (default values are shown):

Measurement values are in Inches (1 Inch = 2.54 Centimeter)
For detailed description see sections below.

- in= ""
- out= ""
- canvas= ""
- width= 8.5
- height= 11
- left= 0.5
- top= 0.5
- right= 0.5
- bottom= 0.5
- res= 200
- tiff=0
- fontname= "Arial"
- fontsize= 10.5
- break= Chr(12)
- lines= 999
- ow=0
- serial= ""
- err=1

The Unicode version of TiffDLL90 supports most character sets (Codepages), including Right-to-Left character sets (limited). The default character set is 'Western' (ISO-8859-15 Latin 9). See the **R2L= (RightToLeftText)** and **CP= (CodePageSuffix)** sections below.

Functions

in=

Mandatory. The 'in=' is the text file that you want to convert to a graphics file. The text must be plain ASCII text.

The source text will be automatically wrapped, per the line width specifications. Wrapping will not be done if the line is a tabular formation.

Out=

Mandatory. The 'out=' must be a file name with a compatible graphics extension: .tif, .bmp, .gif, .png, .jpg. If the extension is of a non-compatible format, a TIFF file is created.

TIFF supports multipage files. If the output consists of several pages and the output format is TIFF, then by default a multi-page file is created. If the output format is not TIFF, then individual files are created for each page and the files are renamed with a numeric suffix, starting with 00001. See 'serial-' section below.

Canvas=

The 'canvas=' is optional. The system uses the specified canvas file as the background of the output file. The canvas can be blank or can be an image. The canvas file graphics can be of any compatible format (TIFF, PNG, GIF, BMP, JPG, but not PDF). The size and resolution of the canvas file will be applied to the output file, regardless of any other set properties. The graphics format of the canvas file will be applied to the output file if Tiffcompression is set to 0 ('Auto'). If a canvas file is not specified, the system uses the specified or default page size and resolution properties

width= , height=

The values are the width and height of the output file in Inches. One Inch equals 2.54 Centimeters. If not specified the default values are used (8.5 and 11 Inches). 'width=' is ignored if 'canvas=' is specified as output file will inherit the size of the canvas.

left=, top=, right=, bottom=

The values given are for the margins of the output file in Inches. One Inch equals 2.54 Centimeters. If not specified the default values are used (0.5 Inches).

res=

'res=' is the horizontal and vertical resolution of the output file (Pixels-per-Inch). If not specified the default value is used (200). 'res=' is ignored if 'canvas=' is specified as output file will inherit the resolution of the canvas.

tiff=

'tiff=' is used to specify the compression mode for TIFF output files.

If you are not specifying a canvas file, the output files will be monochrome (1-bit). The default is CCITT4 (Tiff Group 4).

If you are specifying a TIFF canvas file, the output TIFF file will use the TIFF compression of the canvas file, unless a different compressio is specified. If the canvas file is not a TIFF, the system will pick the best TIFF compression for the color depth of the canvas file.

Tiff Compressions:

- Auto = 0 (Unspecified)
- CCITT4 = 4
- CCITT3 = 3
- LZW = 1
- JPEGTIFF = 7
- CCITT4SingleStrip = 41
- CCITT4Fillorder2 = 42
- CCITT4SingleStripFillorder2 = 43
- CCITT3SingleStrip = 31
- CCITT3Fillorder2 = 32
- CCITT3SingleStripFillorder2 = 33

CCITT3 and CCITT4 are for monochrome files only. LZW can be monochrome or color. JPEGTIFF is an excellent compression for photo-type images (for example where you have a photo image as the canvas background); however not all viewers support LZWTIFF formats.

fontname=

Specify the desired font name for the converted text. If not specified, the system uses the Arial font.

fontsize=

Specify the desired font size for the converted text. If not specified, the system uses a font size 12.

break=

You can specify your own page-break character. If not specified the code is the standard Windows pagebreak character (ASCII 12). Note that the page-break character must be on a separate line.

lines=

You can specify the number of lines that should be placed per page. If not specified, the value is 'unlimited', i.e. the page will break when the text line reaches the bottom of the page, subject to given margins and page-breaks in the text.

Spacing=

By default, the line spacing is determined by the font size. You can override the system-generated spacing with the 'spacing=' property. One Inch equals 2.54 Centimeters.

Example:
spacing=0.125

ow=

By default, you get a warning (error message) if you try to save the output to an existing file. If you want to overwrite the file without warning, set the value to 1, for example 'ow=1'.

serial=

TIFF supports multipage files. If the output consists of several pages and the output format is TIFF, then by default a multi-page file is created. If the output format is not TIFF, then

individual files are created for each page and the files are renamed with a numeric suffix, starting with 00001.

If you like TIFF files also to be serialized (separate files for each page), you must specify the 'serial=' property with the starting number of the suffix, including zero-fills, for example: serial="00001". Note, the value must be in quotes.

For output other than TIFF, if you like the suffix to be other than the default '00001' then also set the 'serial=' property.

CP=

(Use for Unicode mode only)

You can specify a 2-digit **Codepage** suffix. The default is **15** (ISO-8859-15 Latin 9).

Code 15 works in most cases; if not try one of the codes below. For Right-to-Left text also set the `_RightToLeftText` property, see next.

- Use 1 for 28591: ISO-8859-1 Latin 1
- Use 2 for 28592: ISO-8859-2 Central Europe
- Use 3 for 28593: ISO-8859-3 Latin 3
- Use 4 for 28594: ISO-8859-4 Baltic
- Use 5 for 28595: ISO-8859-5 Cyrillic
- Use 6 for 28596: ISO-8859-6 Arabic
- Use 7 for 28597: ISO-8859-7 Greek
- Use 8 for 28598: ISO-8859-8 Hebrew
- Use 9 for 28599: ISO-8859-9 Turkish
- Use 13 for 28603: ISO-8859-13 Estonian
- Use 15 for 28605: ISO-8859-15 Latin 9

Example:
CP=2

R2L

(Use for Unicode mode only)

For **Right-to-Left** character sets, for example Hebrew, Arabic, etc. you must set the R2L to 1.

If the trailing punctuations are not rendered correctly, set the value to 2.

Example:

R2L=1

err=

By default, error messages are shown. If you do not want error messages displayed, set the value to 0, for example 'err=0. Note, errors will still be posted to the error log.

Error Log

Errors are posted to error files in the c:\program files\[User]/ApplicationData/Tiffmaker90 folder.

Error codes

Make sure that the Tifftek32.dll file is in the correct folder.

- 91 Input file not specified
- 92 Outputfile not specified
- 93 Output file already exists. No overwrite specified.
- 96 Specified canvas file does not exist
- 97 Invalid serialization suffix.
- 101 Cannot open text file.
- 102 Cannot read part of text file
- 103 Error API
- 104 "Error writing lines.
- 111 Cannot open canvas file.
- 121 Error saving file.
- 122 Tiffmaker does not support PDF output files.
- 123 Codepage must be a 2-digit number.
- 199 Incorrect license code. Demo version.
- 997 The command line is missing.
- 998 One or more command elements are blank.
- 999 Unspecified error.

Technical Support

For technical support contact information, please go to www.informatik.com

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