DI-Plot v7 - Installation and Configuration

Find more information about the product on our website:
http://www.digiinfo.com

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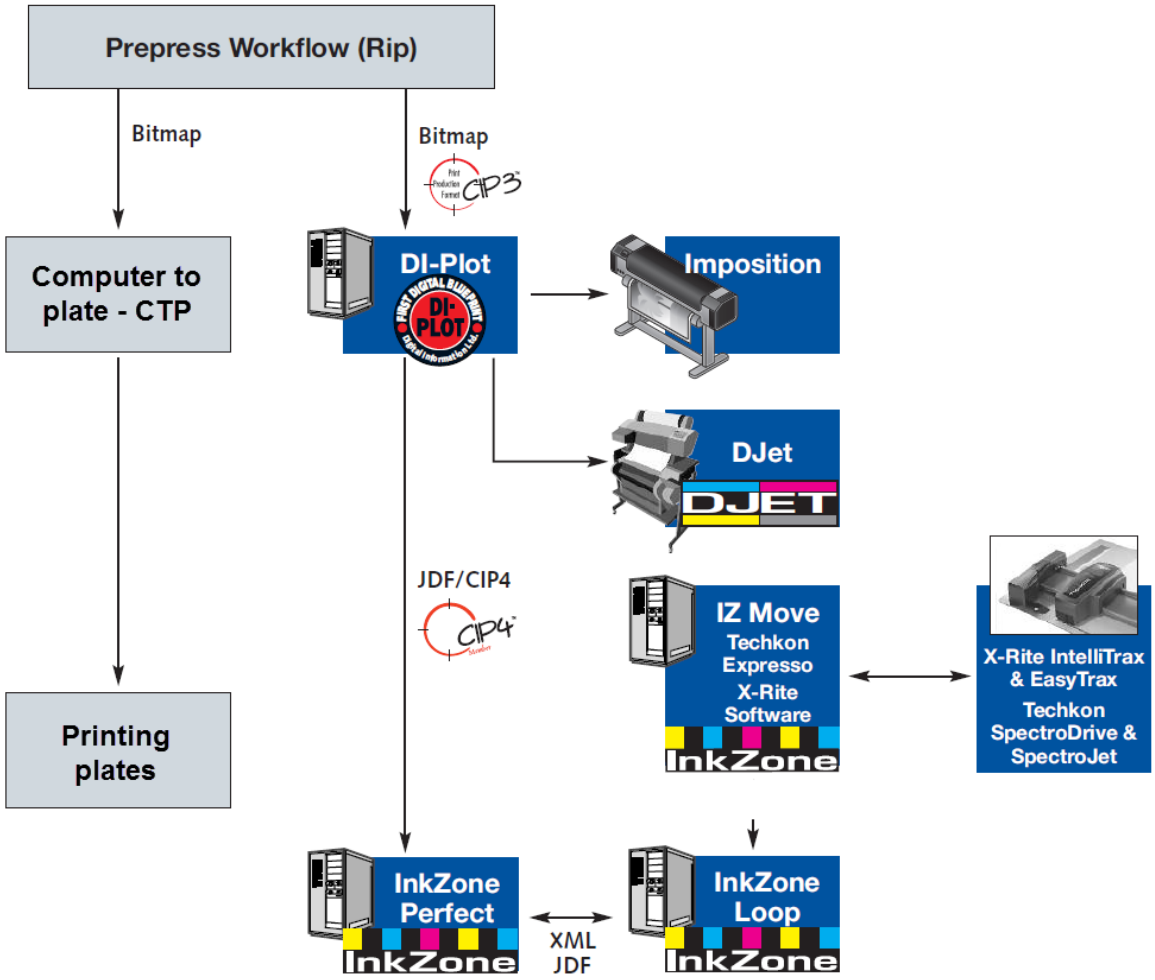
1. Introduction

DI-Plot is an universal data converter for the Graphic Industry. It accepts a wide range of often used pre-press data such as Tiff, CIP3, PDF etc to create output data for various purposes. A typical use of DI-Plot is with Inkzone installations (ink-preset and closed-loop) in the press room and DJet installation (double sided imposition proofing) in pre-press.



1.1. System Requirements

The minimum configuration for theDI-Plot PC is:

- Microsoft Windows 7/8/10, 32/64bit
- Intel i5 processor or better
- 4 GB RAM or more
- 500 GB hard disk
- Network card
- USB 2.0 / 3.0 ports

1.2. Videos

There are several videos for DI-Plot available. See the following chapters.

1.2.1. Configuration for Inkzone - Manual Processing Mode

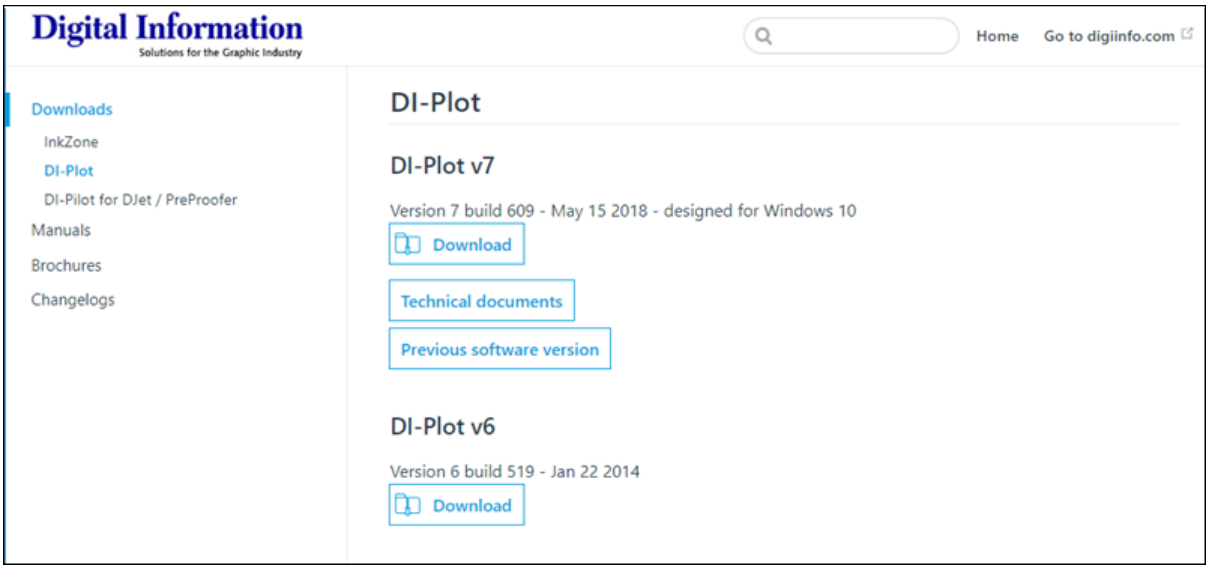
This video explains how to setup DI-Plot for Inkzone in manual mode. Use this setup to test your configuration before configuring the automated hotfolder mode.

1.2.2. Configuration for Inkzone - Hotfolder Mode

This video explains how to setup DI-Plot for Inkzone using the automated hotfolder mode.

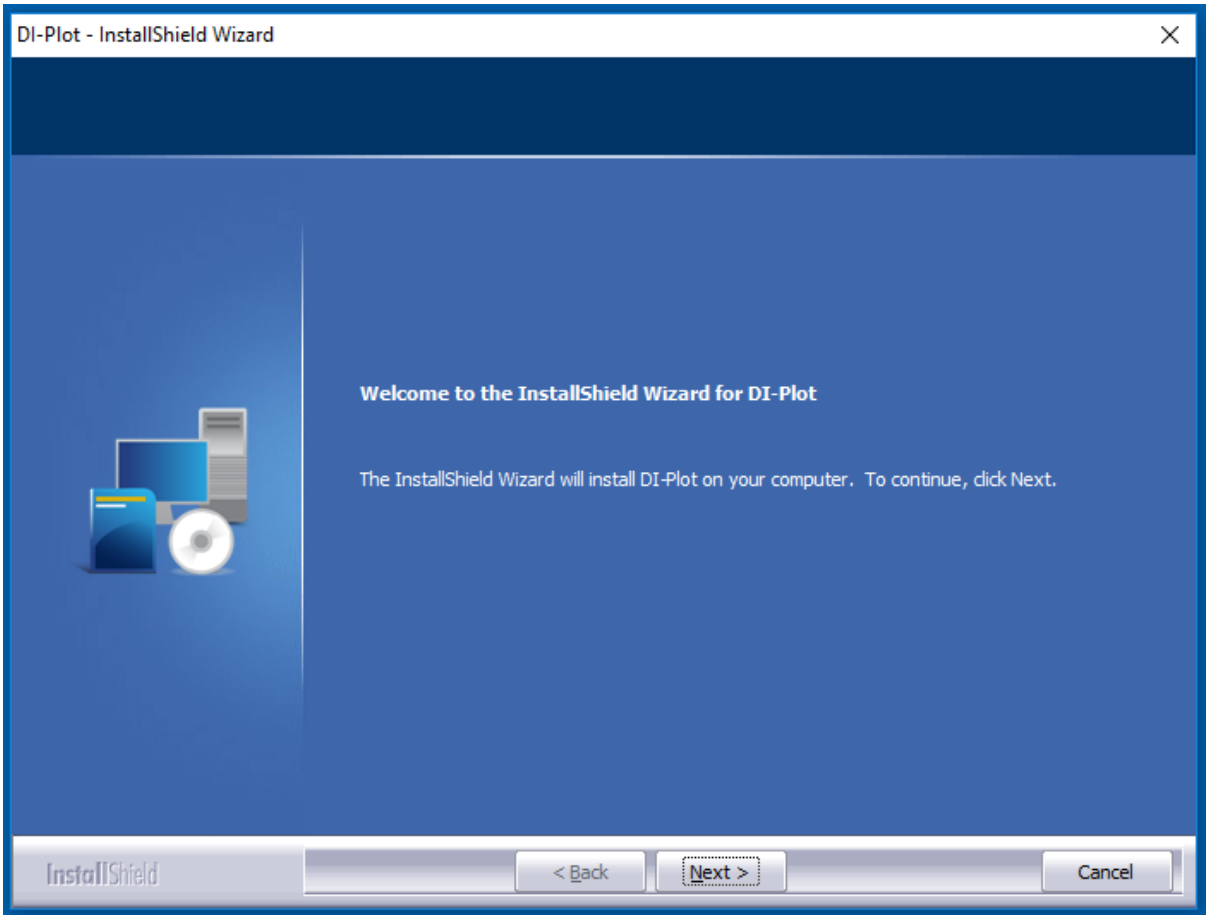
2. Installation

For the program installation we highly recommend downloading the very latest version from our website https://download.digiinfo.com/#di-plot .
Alternatively, start the installer from the DI-Plot product CD/USB stick.



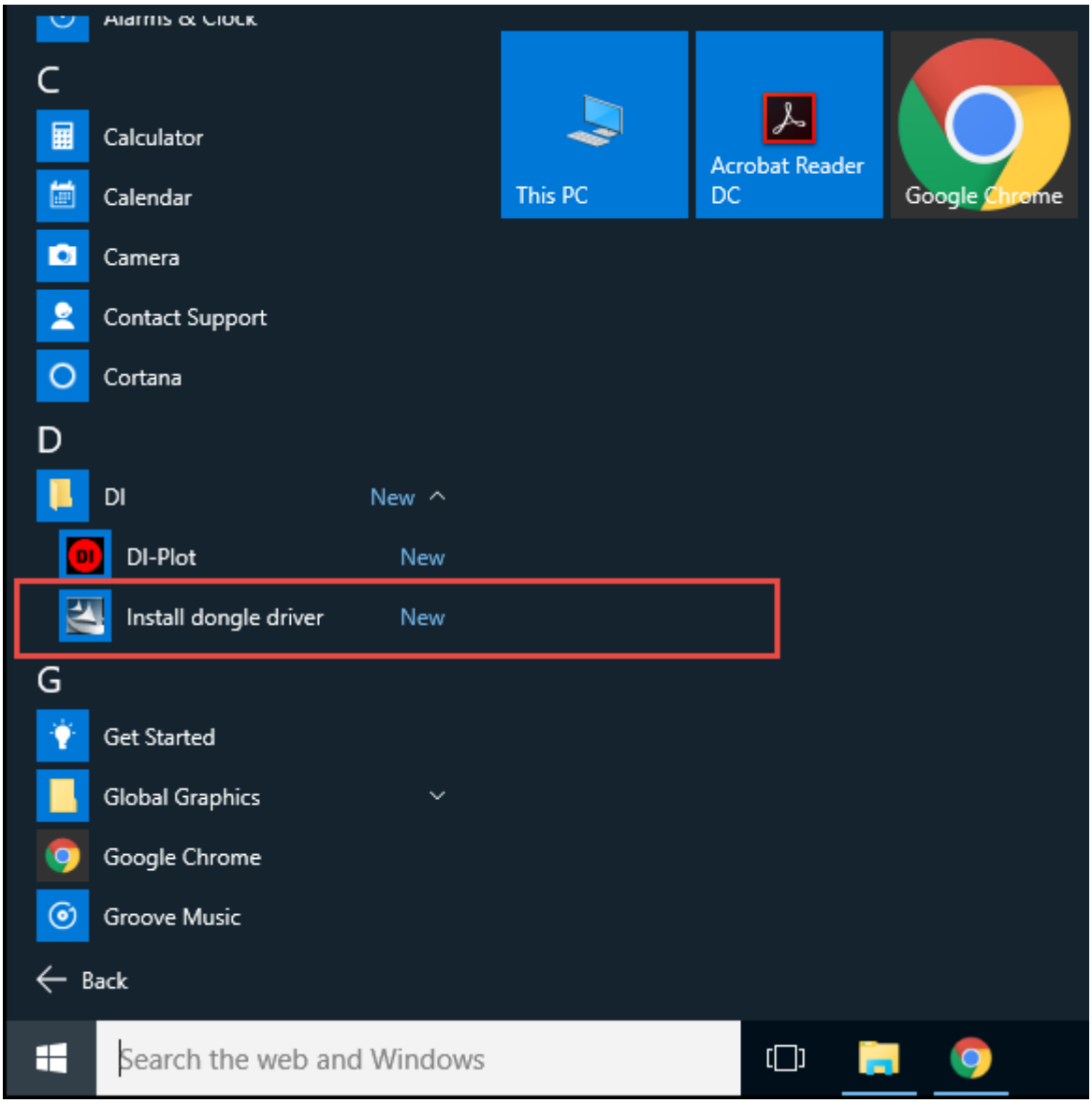
2.1. Run Installer

Start the installer and go through the setup.



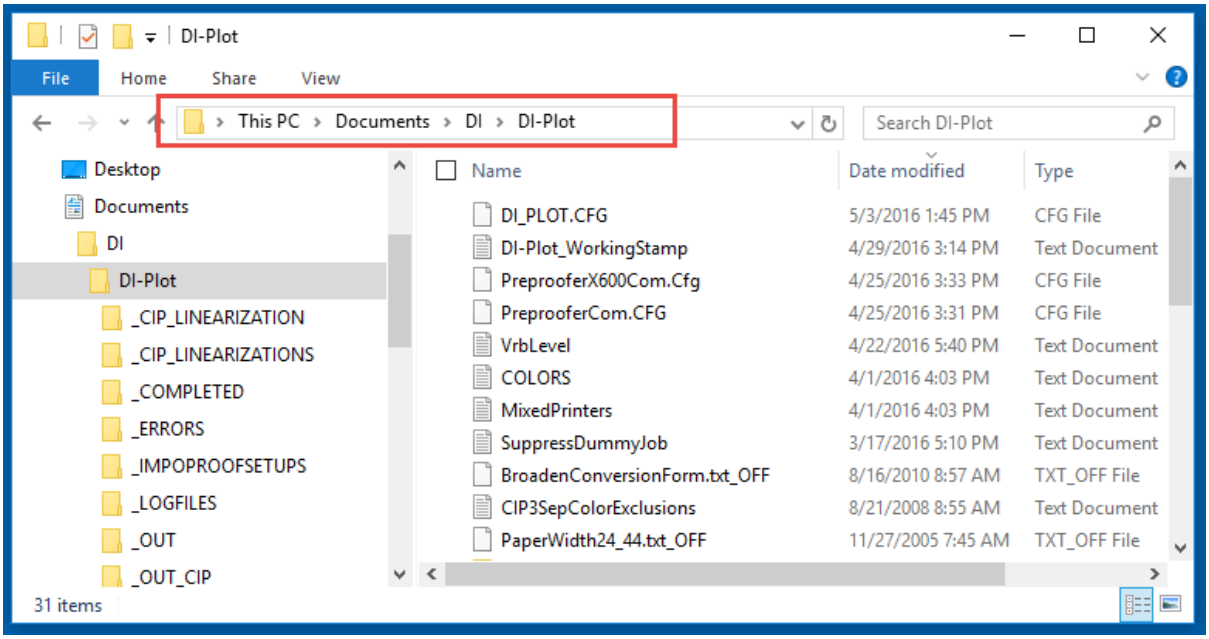
2.2. Install Dongle Driver

After the program installation run the dongle driver installer from Windows Start menu. The installer is located in the program folder:
C:\Program Files (x86)\DI\DI-Plot_DONGLE DRIVER



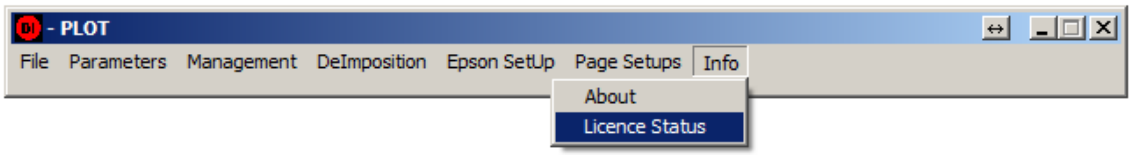
2.3. Program Settings

With the latest version 7 DI-Plot stored all program settings in the user document folder. This makes it obsolete to configure the software executable for "Windows Compatibility Mode WinXP3" and execute it with Administrator privileges.
All program settings are located in ***C:\Users\USERNAME\Documents\DI\DI-Plot .*** This includes all page setups for the DJet and InkZone press templates

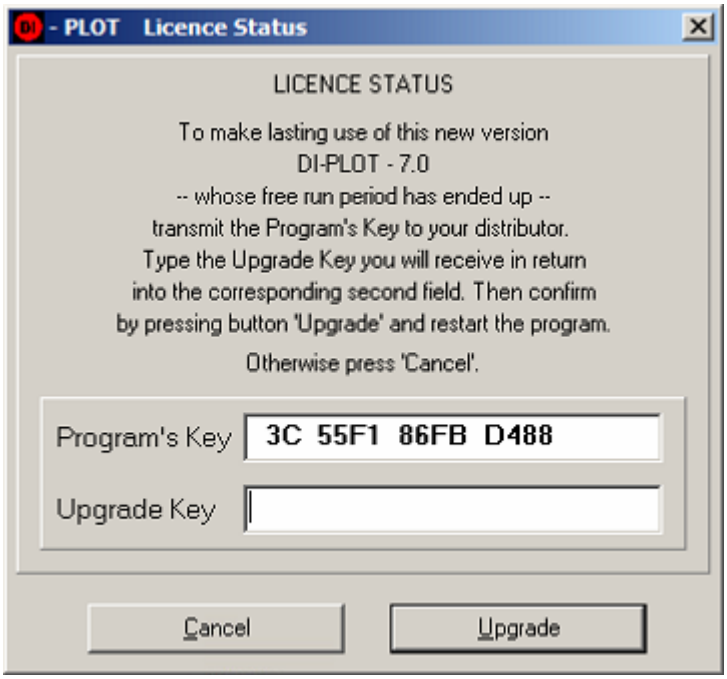


2.4. Update Procedure

Open the menu ***Info*** and select ***License Status***.



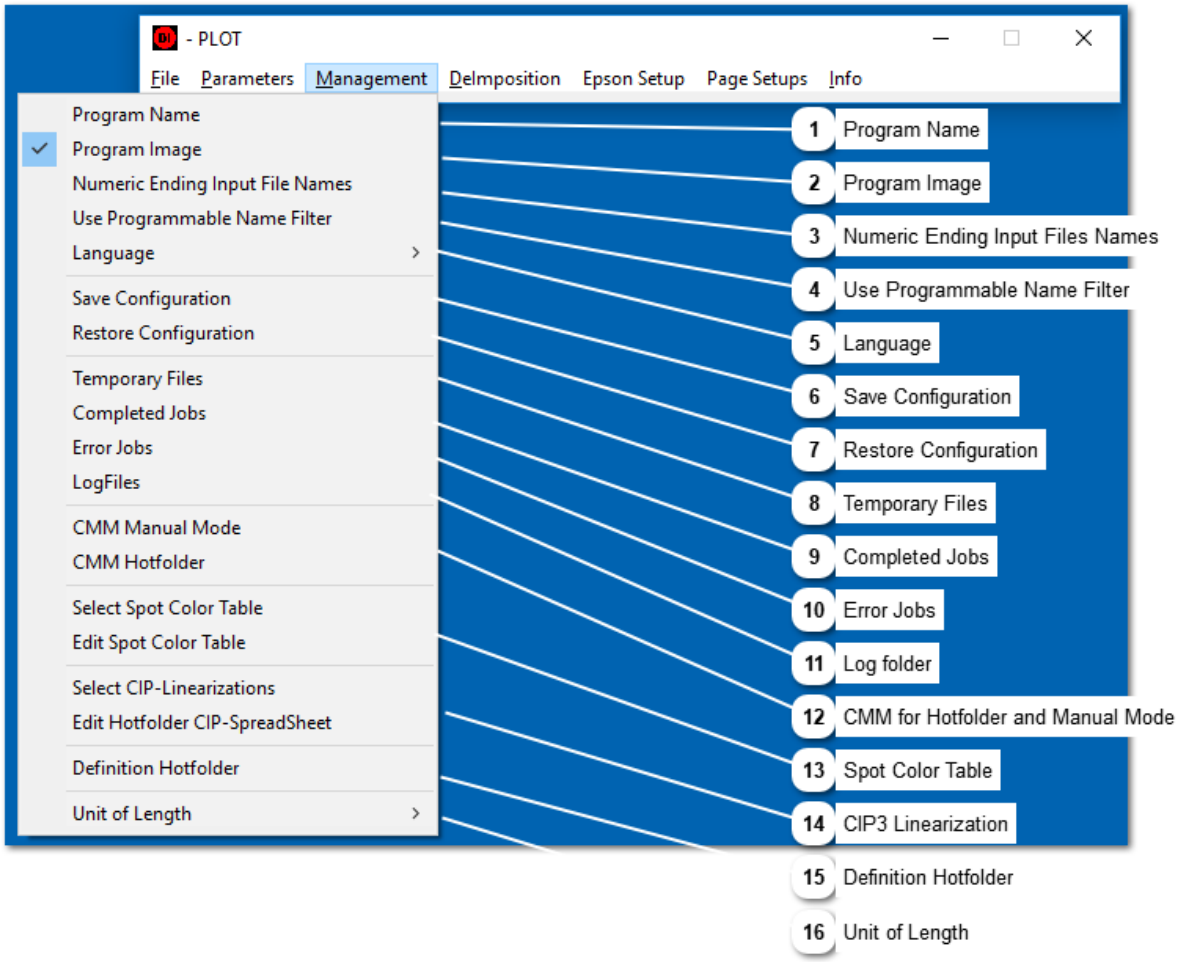
Make a note of the ***Program's Key*** and send it to your dealer/distributor to receive the ***Upgrade Key***.



3. Program Overview

3.1. Program Base Parameters

Open the menu ***Management*** for changing the program's default working directories. It's highly recommended using the default parameters.



1 Program Name

Change the program's title bar, default value is PLOT. This is useful to identify the program setup when several instances of DI-Plot run at the same time.

2 Program Image

Choose if the program image is visible after program startup (usually not necessary).

3 Numeric Ending Input Files Names

Choose this option to automatically remove numbers at the of input data like ***demo_data_fold1_front_6390184.tif***

4 Use Programmable Name Filter

For experts only. Configure your own name filter for job name, separation, sheet number, print side etc. recognition.

5 **Language**
Set the UI language.

6 **Save Configuration**
Store the program's entire setup. Use this as a backup to quickly recover all configuration parameters.

7 **Restore Configuration**
Load and restore a previously saved configuration.

8 **Temporary Files**
Select the folder location for temporary generated data.

9 **Completed Jobs**
Select the folder location for successfully processed data. Input files are moved to this folder when source ***file treatment on success*** is set to ***Move to Completed Jobs***

10 **Error Jobs**
Select the folder location for data where an error occured during conversion process. Input files are moved to this folder when ***source file treatment on error*** is set to ***Move to Error Jobs***

11 **Log folder**
Select the log folder location. To activate logging, edit the file ***VrbLevel.txt*** and change its first line to a value between 1 and 9. Note: a higher value creates a more detailed log.

12 **CMM for Hotfolder and Manual Mode**
Select ICC profiles for the conversion process.

13 **Spot Color Table**
Select and edit the spot color table ***colors.txt***

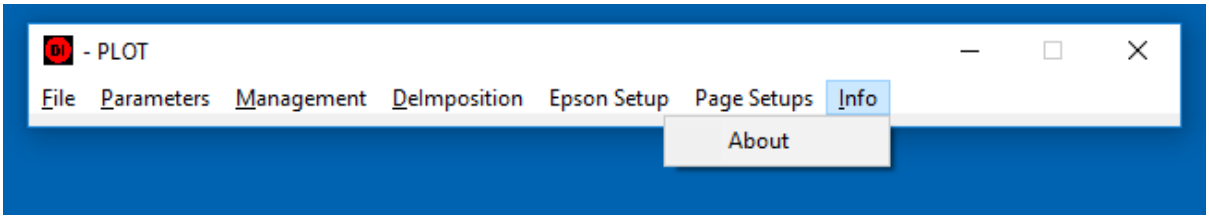
14 **CIP3 Linearization**
Select a CIP3 linearization created by InkzonePerfect. This feature works when input and output is CIP3. The generated output CIP3 is used for optimizing ink-preset on 3rd party ink preset such as PECOM (MAN) on web offset machines.

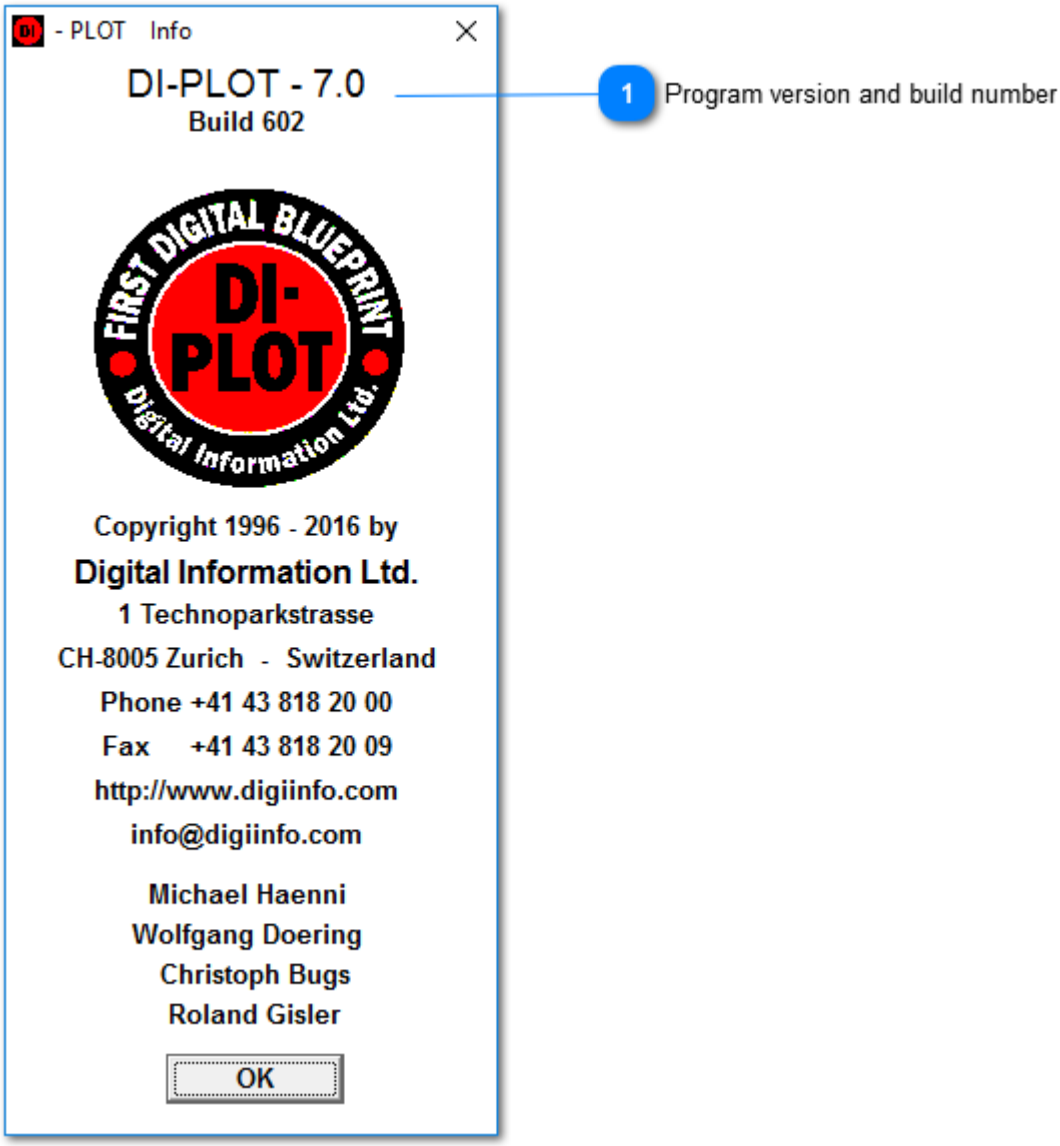
15 **Definition Hotfolder**
Setup the recognition for Front and Back jobs.

16 **Unit of Length**
Select inch or millimeter.

3.2. Program version

Open the menu ***Info*** and select ***About*** .



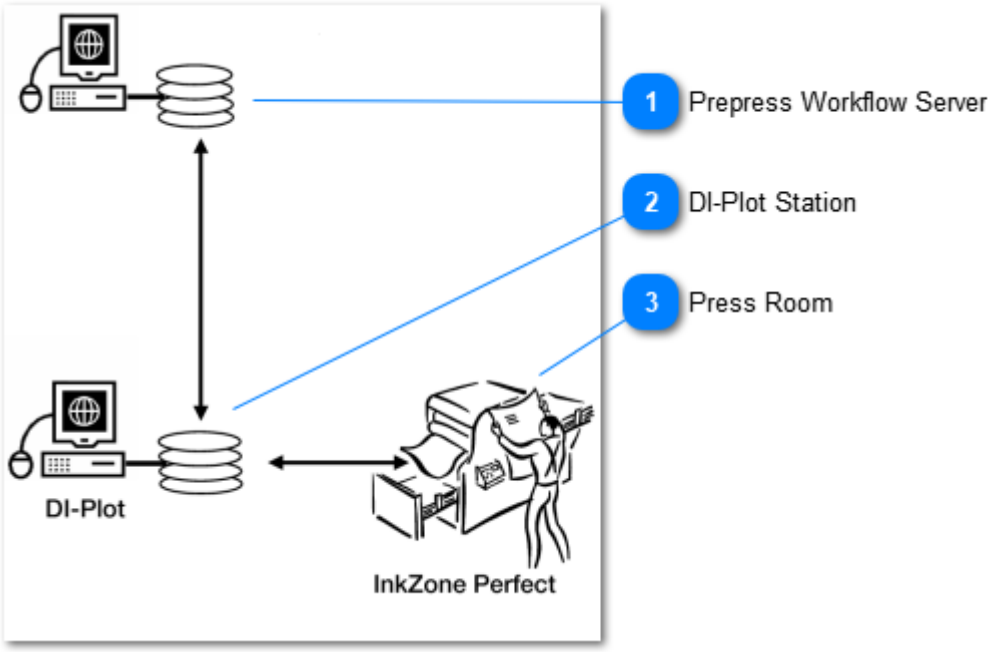


1 **Program version and build number**
Find here the version and build number. Pass this information to the dealer/distributor for support.

3.3. Typical Workflow Setups

DI-Plot gives productivity a boost in pre-press and press room. With a unique set of conversion tools pre-press files such as 1 Bit TIFF and 8 Bit TIFF, CIP3 and CIP4 are converted to a format such as CIP4/JDF, PDF, TIFF etc. Beside the conversion capability DI-Plot connects to the doubles sided imposition system DJet and Preproofer. Typically, DI-Plot runs in the background in hotfolder mode. All incoming data are immediately converted to the selected output format.

3.3.1. Input CIP3 – Output JDF with ink coverage

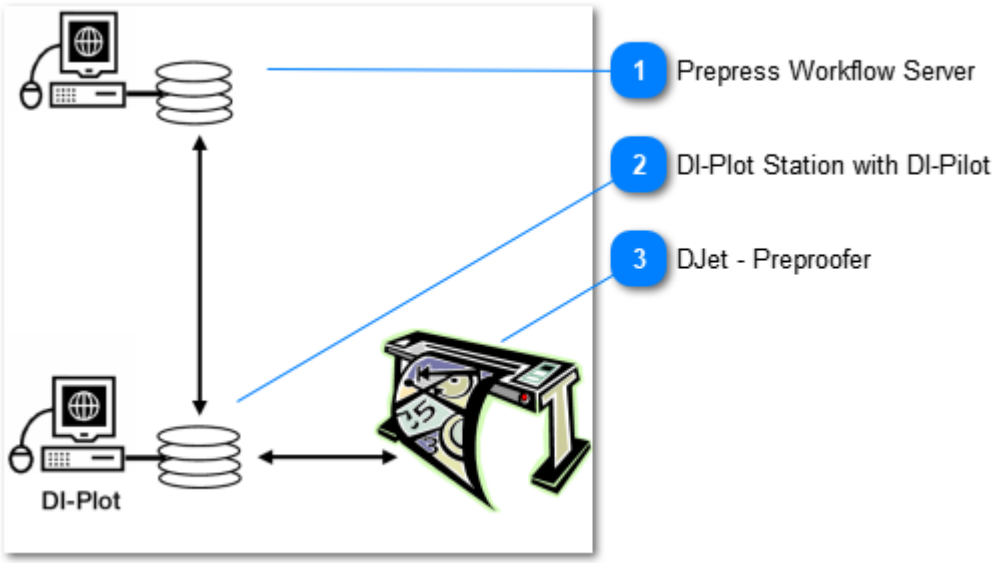


1 **Prepress Workflow Server**
Workflow server creates CIP3, TIFF, PDF-PS data as an input for DI-Plot

2 **DI-Plot Station**
Input data is converted by DI-Plot to CIP4/JDF

3 **Press Room**
InkzonePerfect reads CIP4/JDF to ink preset the offset press

3.3.2. Input 1 Bit TIFF – Output to Double-Sided Print System DJet

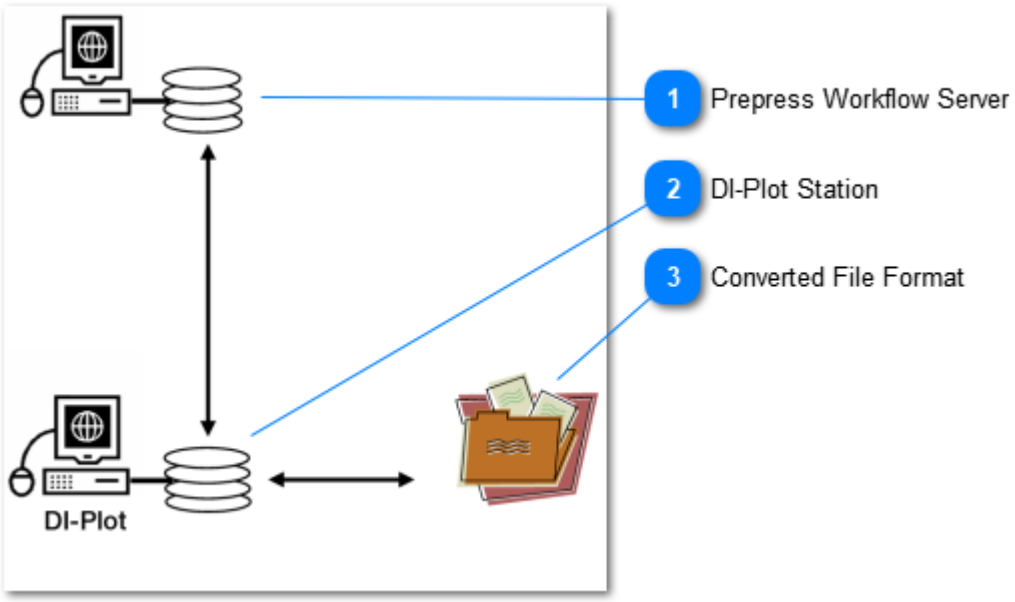


1 **Prepress Workflow Server**
Workflow server creates TIFF or PDF-PS data

2 **DI-Plot Station with DI-Pilot**
Input data is prepared by DI-Plot for DI-Pilot, DJet's print manager

3 **DJet - Preproofer**
The DJet print system creates perfectly registered double sided imposition proofs

3.3.3. Input 1 Bit TIFF – Output PDF or TIFF



1 **Prepress Workflow Server**
Workflow server creates TIFF or PDF-PS data

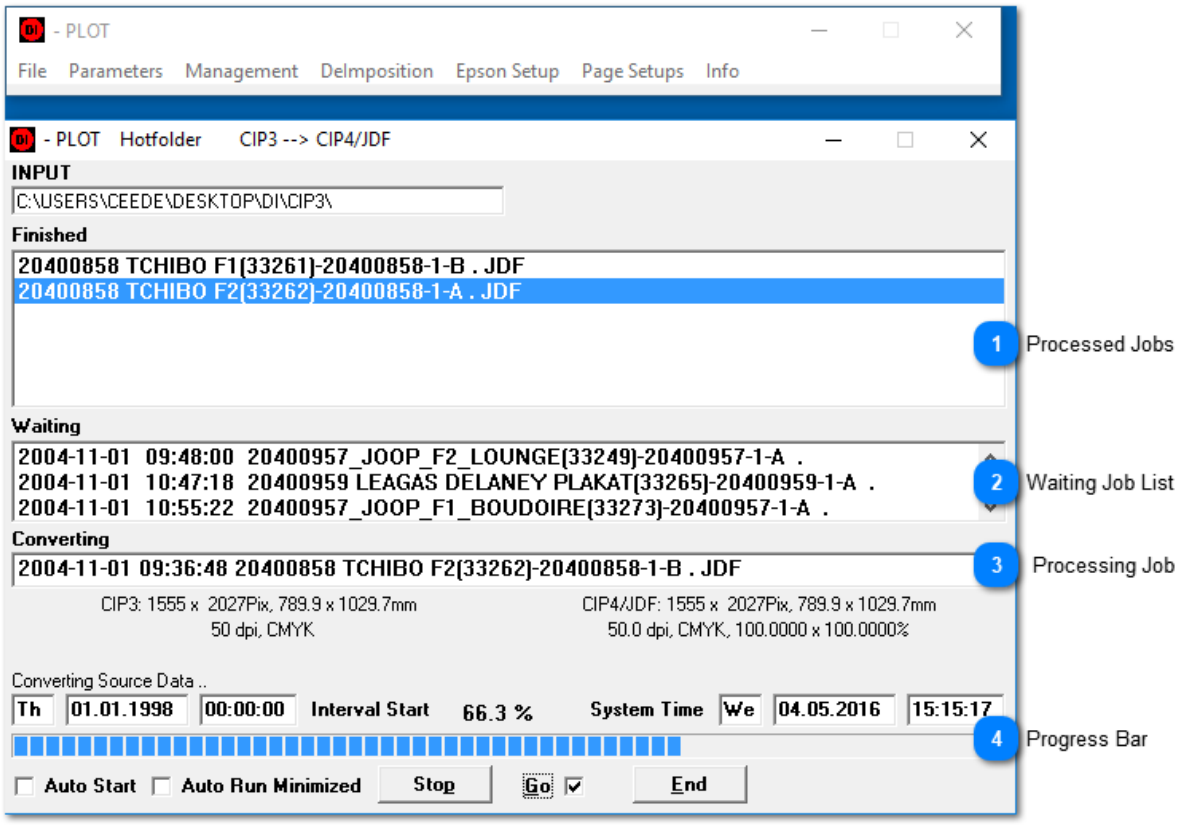
2 **DI-Plot Station**
Input data is converted by DI-Plot

3 **Converted File Format**
Converted data

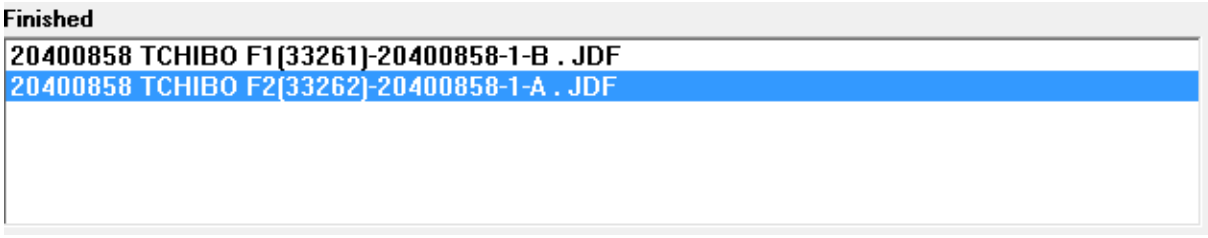
3.4. Processing Mode

3.4.1. Hotfolder Conversion

DI-Plot can be configured to run in an unattended Hotfolder conversion mode. All input data files, like CIP3, 1 Bit TIFF etc which are exported from pre-press server, are automatically processed.



1 Processed Jobs

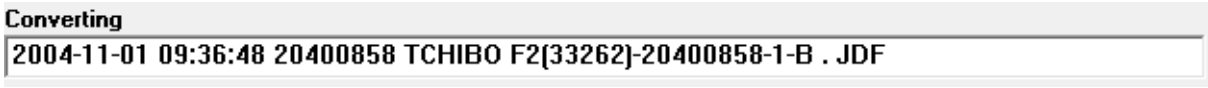


All processed jobs are listed here

2 Waiting Job List

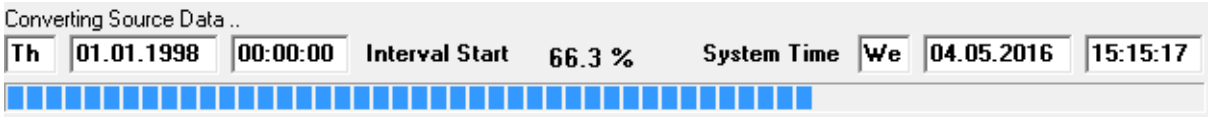
Not yet processed jobs are listed here

3 Processing Job



Currently processing job is listed here.

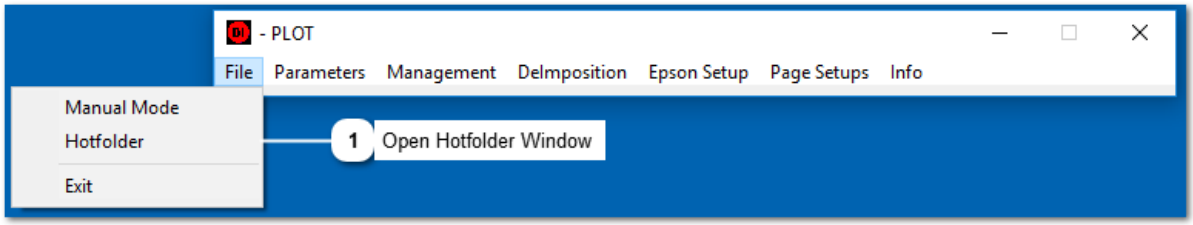
4 Progress Bar



Job progess indicator

3.4.1.1. Open Hotfolder Conversion Window

Select from Menu ***File*** .

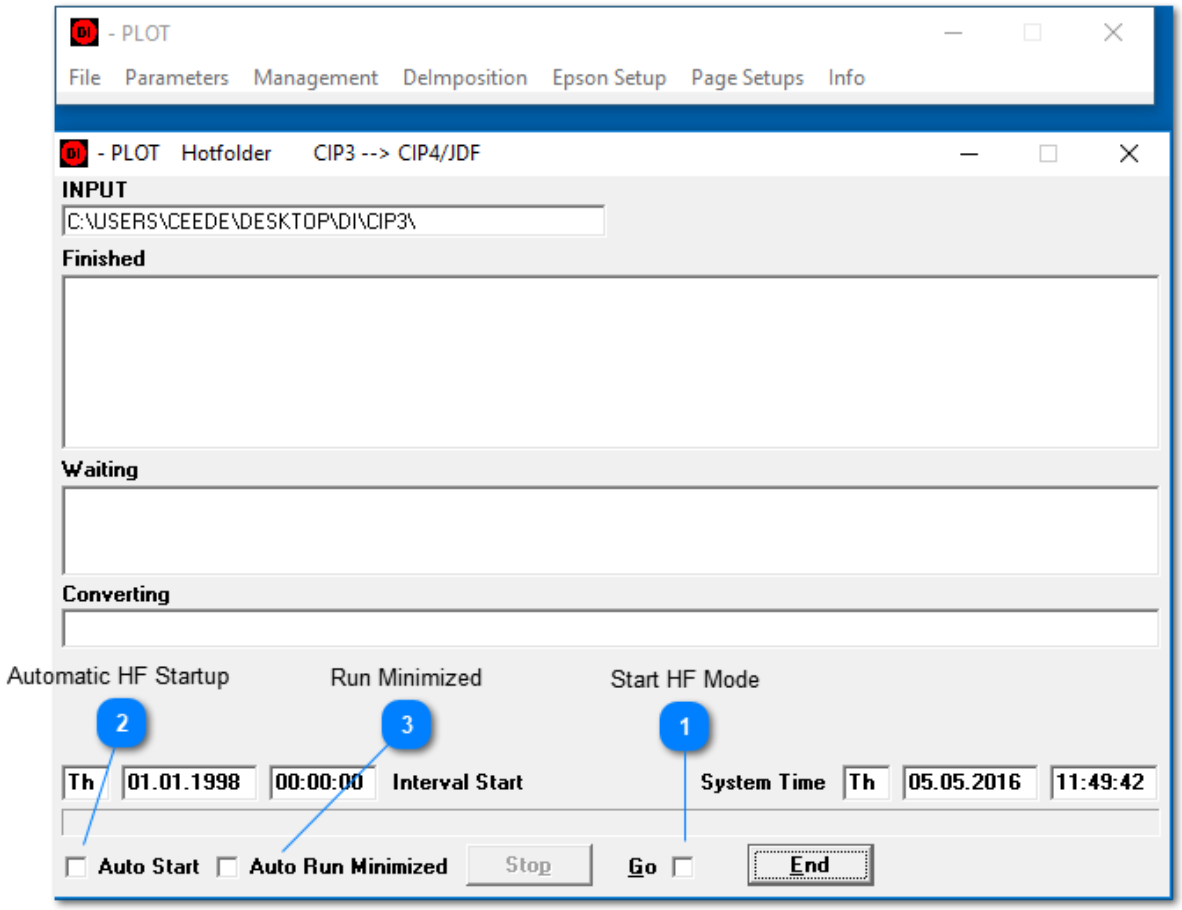


1 **Open Hotfolder Window**

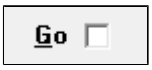
Hotfolder

Select the menu entry to display the automatic hotfolder conversion window.

3.4.1.2. Start Hotfolder Conversion



1 Start HF Mode



Activate to start the hotfolder mode manually.

2 Automatic HF Startup

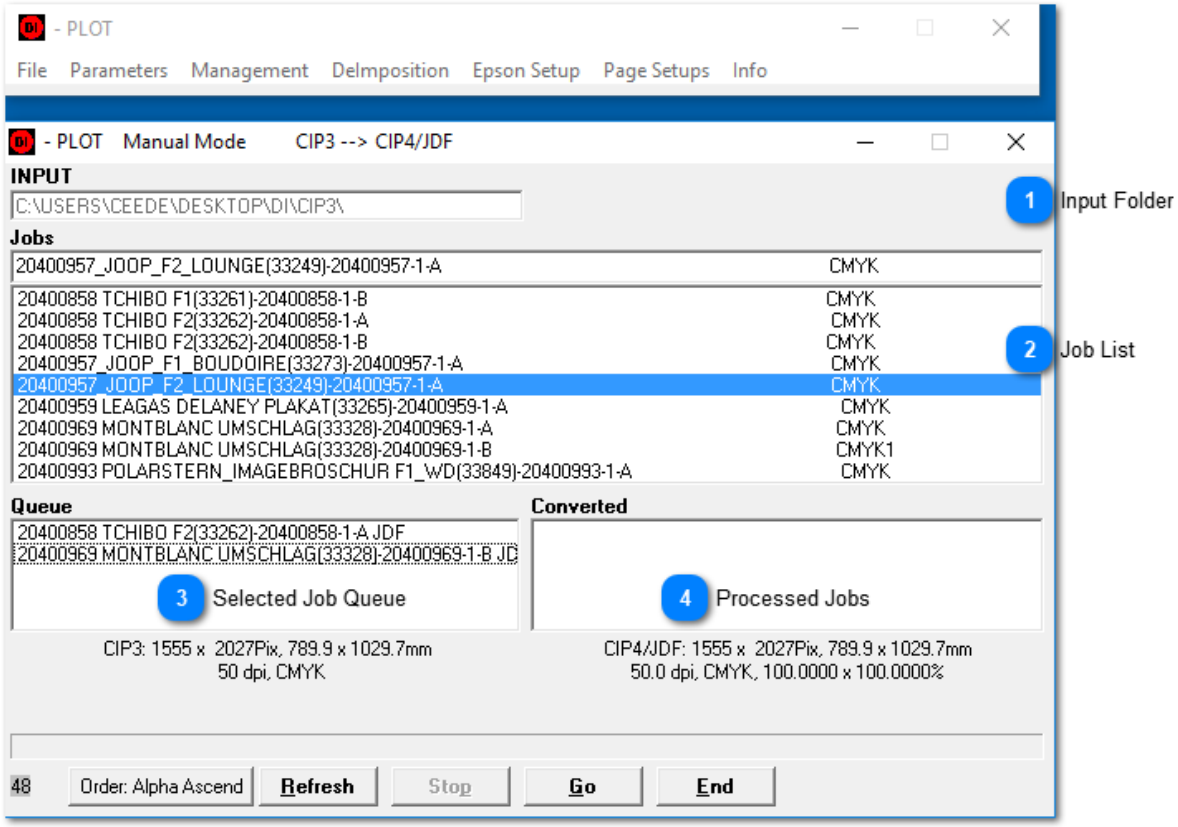
Activate to start the hotfolder mode automatically when DI-Plot starts.

3 Run Minimized

Activate to run DI-Plot in background without visible window.

3.4.2. Manual Conversion

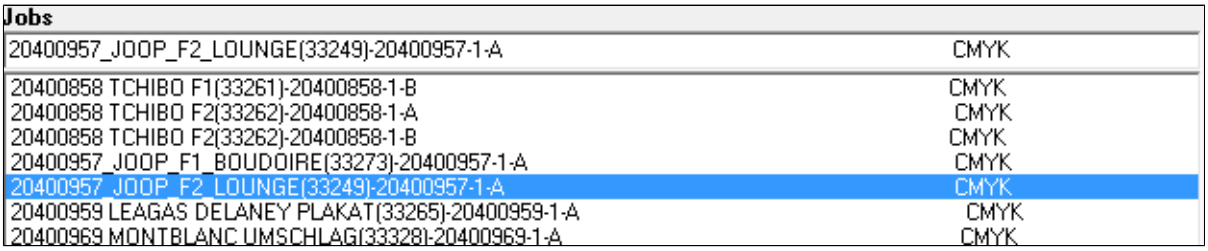
When DI-Plot is started in manual conversion mode every job to convert needs to be selected manually. The output format can be CIP4/JDF, TIFF, PDF or the imposition proof on a DJet system. Use this mode for the initial configuring or during tests.



1 Input Folder

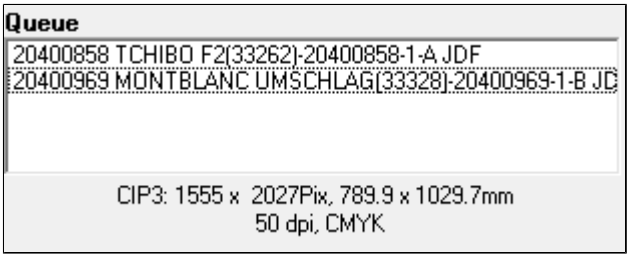
Displays the current selected input folder. Click on it to change the folder.
Note: it is only possible to change when no job conversion is in progress and no job is in job queue

2 Job List



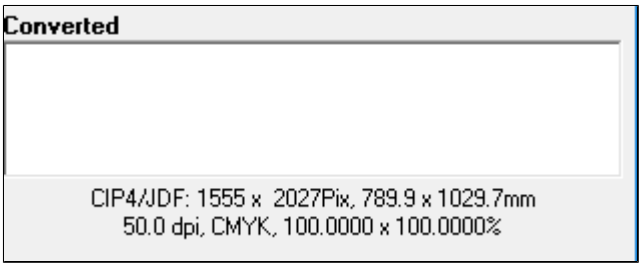
All job files are listed here.

3 Selected Job Queue



Jobs selected from the job list appear here in job queue waiting list. Start conversion with ***Go***

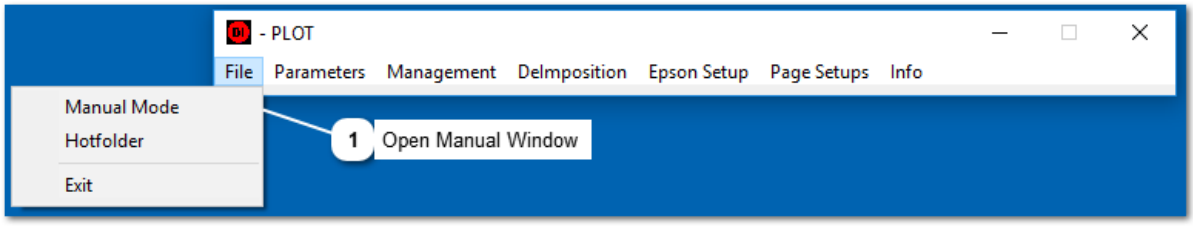
4 **Processed Jobs**



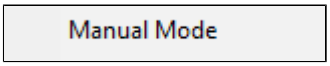
All processed jobs are listed here

3.4.2.1. Open Manual Conversion Window

Select from Menu ***File*** .

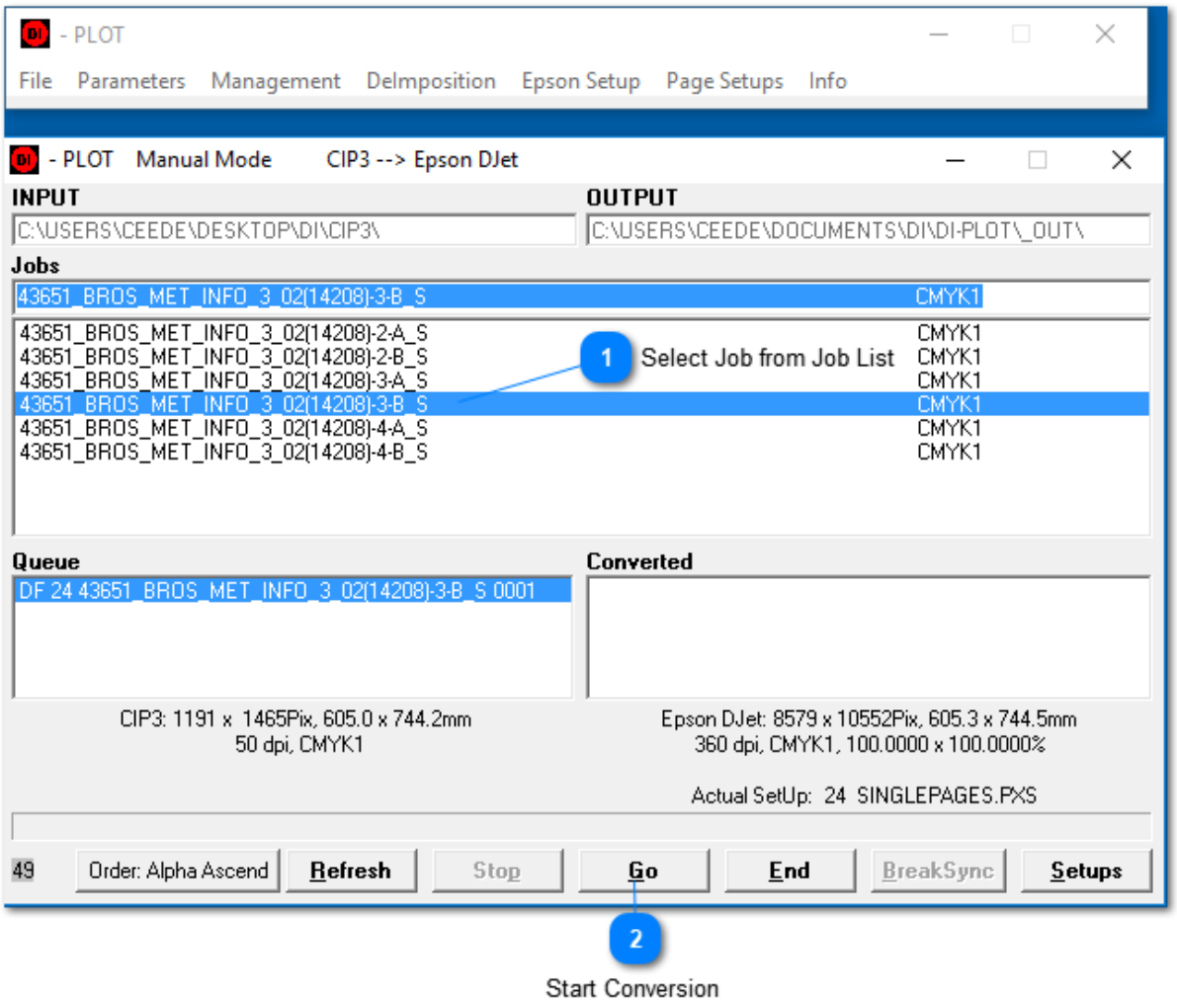


1 **Open Manual Window**

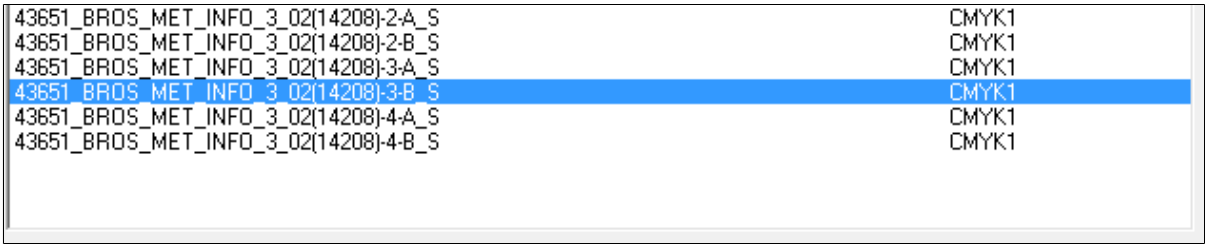


Select the menu entry to display the manual conversion mode window.

3.4.2.2. Start Manual Conversion



1 Select Job from Job List



Select firs a job from the job list.

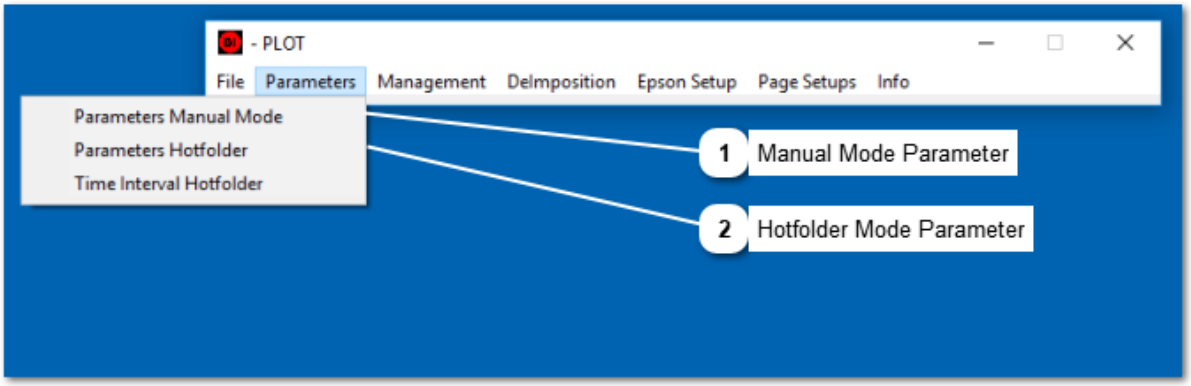
2 Start Conversion

Press Go to start the conversion.

4. Configuration

4.1. Setup Parameters for Hotfolder and Manual Mode

Open the menu ***Parameters***.

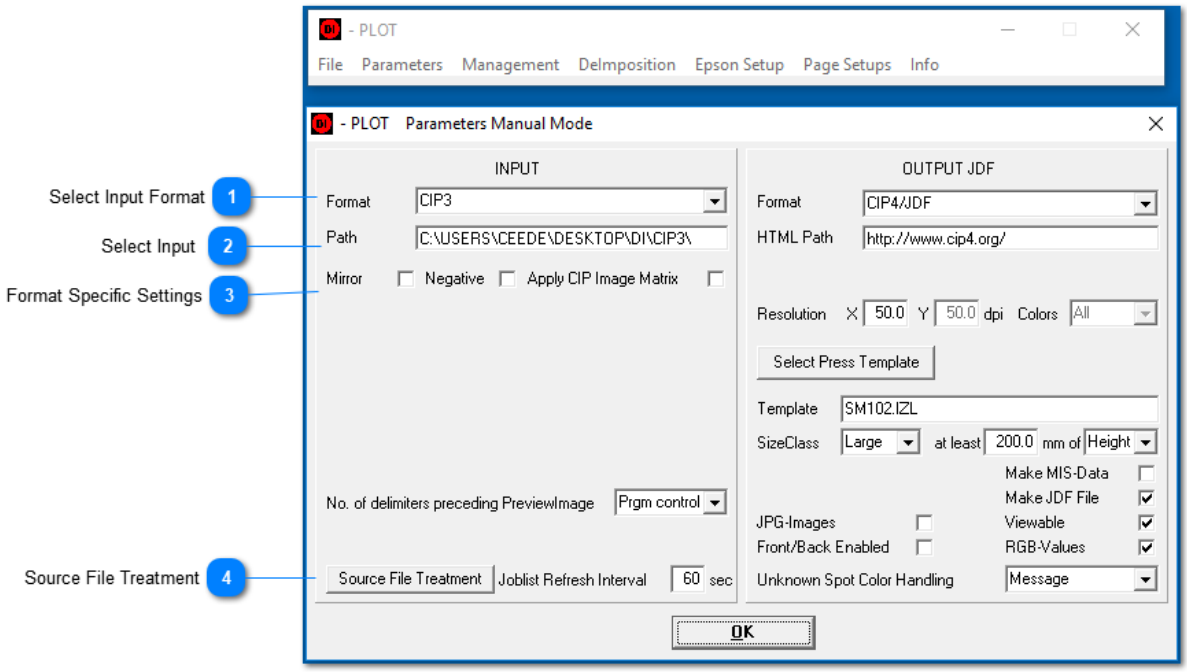


1 **Manual Mode Parameter**
Select the menu entry ***Parameter Manual Mode*** to configure the parameters for the manual mode

2 **Hotfolder Mode Parameter**
Select the menu entry ***Parameter Hotfolder*** to configure the parameters for the hotfolder mode

4.2. Input Setting

The input data format is selected on the left side. Depending on the format different options become available.



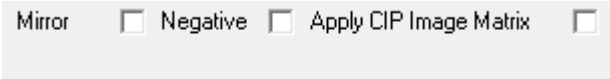
1 Select Input Format

Select from the list box the input format. Standard format is CIP3. See 4.2.1. Input Format

2 Select Input

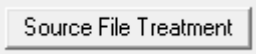
Choose the input folder.

3 Format Specific Settings



Select here the input format specific setting

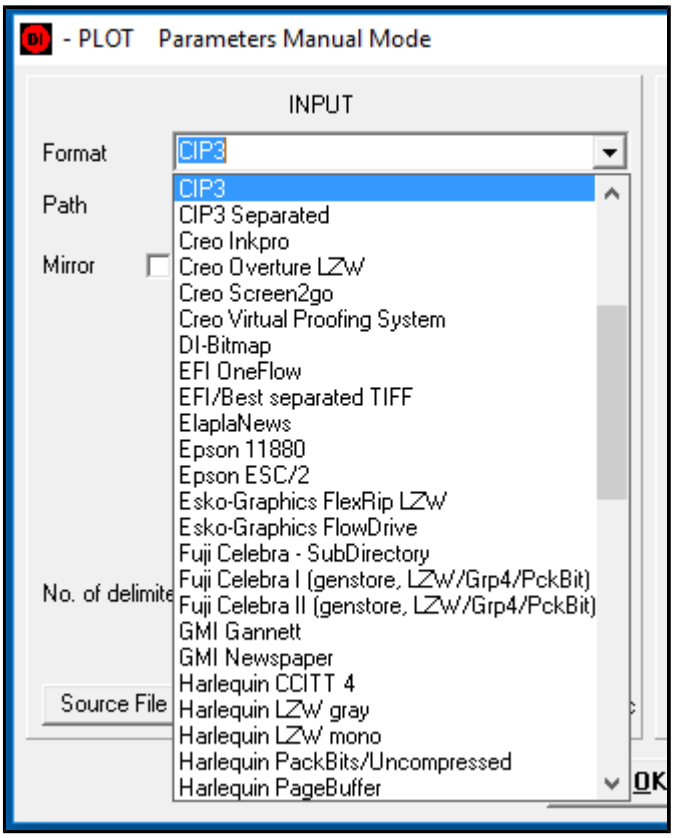
4 Source File Treatment



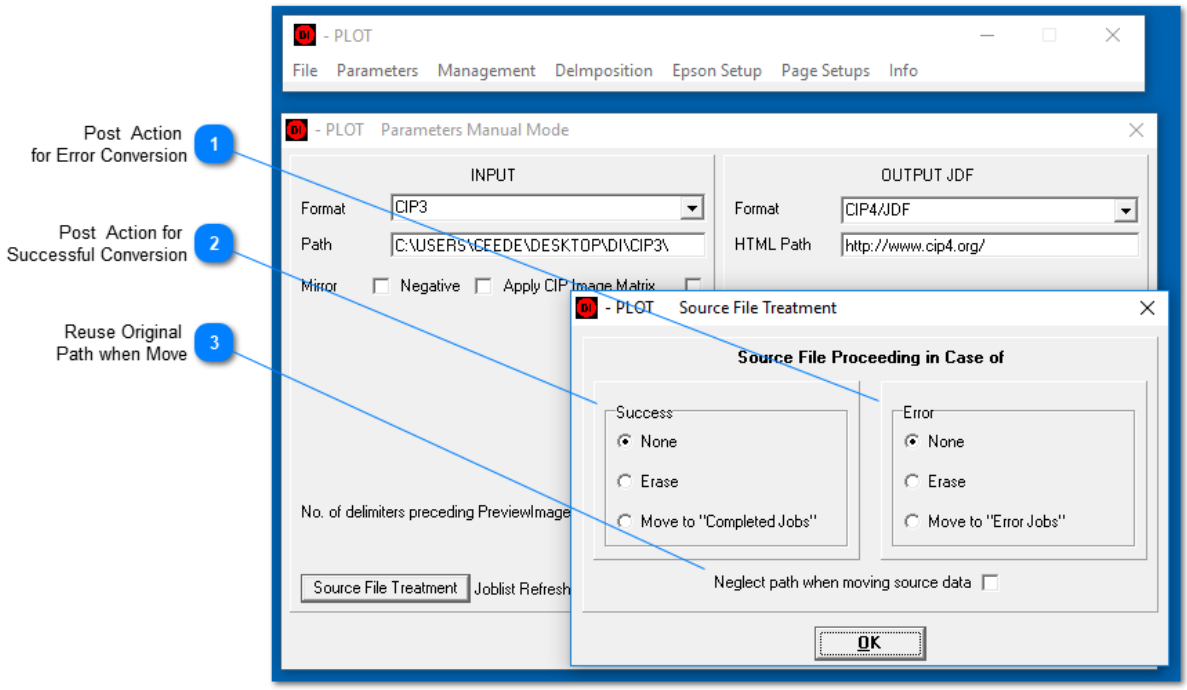
See here 4.2.2. Source File Treatment

4.2.1. Input Format

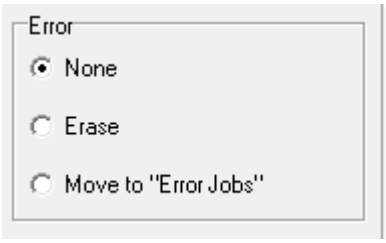
Choose from one of the given input formats shown in the list box. Look up the format description in ***DI-Plot input formats.PDF***



4.2.2. Source File Treatment

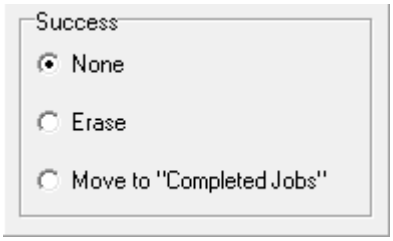


1 Post Action for Error Conversion



Choose the action on the input data for a conversion which ended with an error

2 Post Action for Successful Conversion



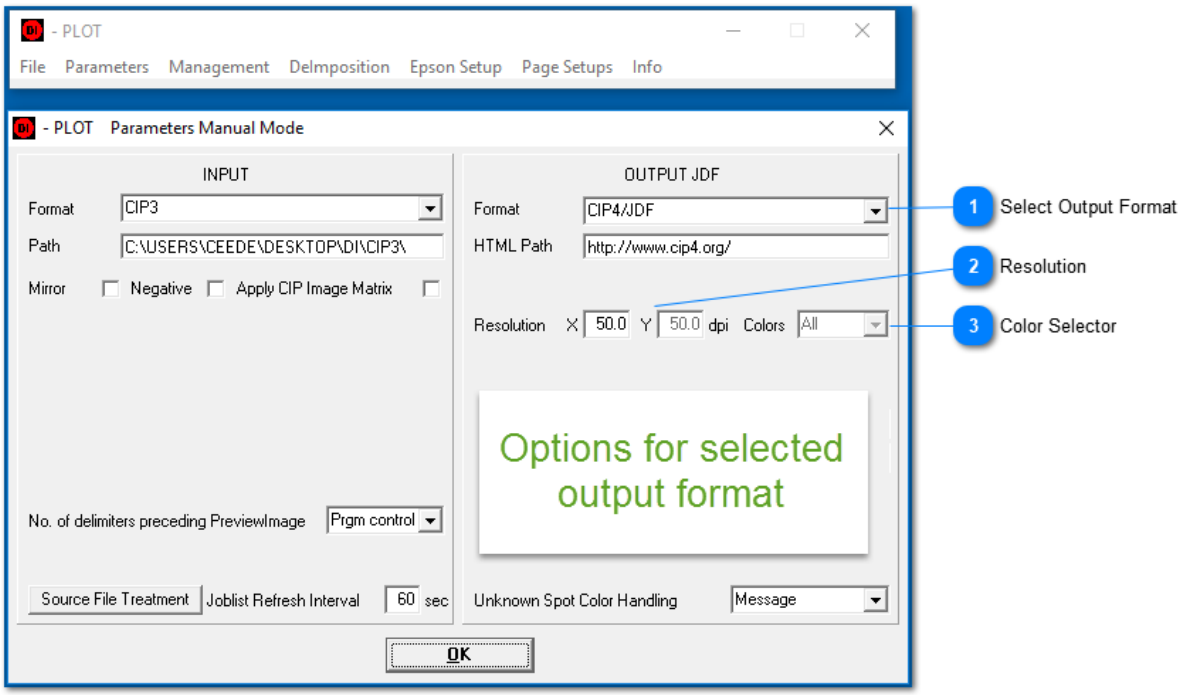
Choose the action on the input data after a successful conversions

3 Reuse Original Path when Move

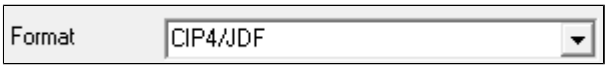
This checkbox gets used when the action ***Move*** is selected. The complete path from the input folder is created in the destination folder ***Completed Jobs***.

4.3. Output Setting

The output data format is selected on the right side. Depending on the format different options become available.



1 Select Output Format



Select from the list box the output format. Standard format is CIP4/JDF and used for Inkzone. See here 4.3.1. Output Format

2 Resolution

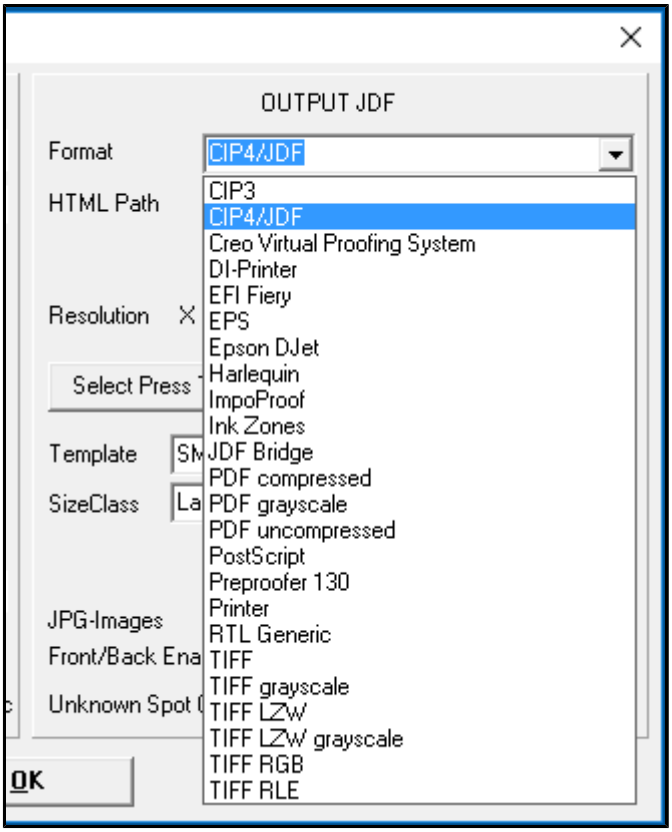
Select the output resolution

3 Color Selector

For certain type of output formats the selection for a specific separation becomes available

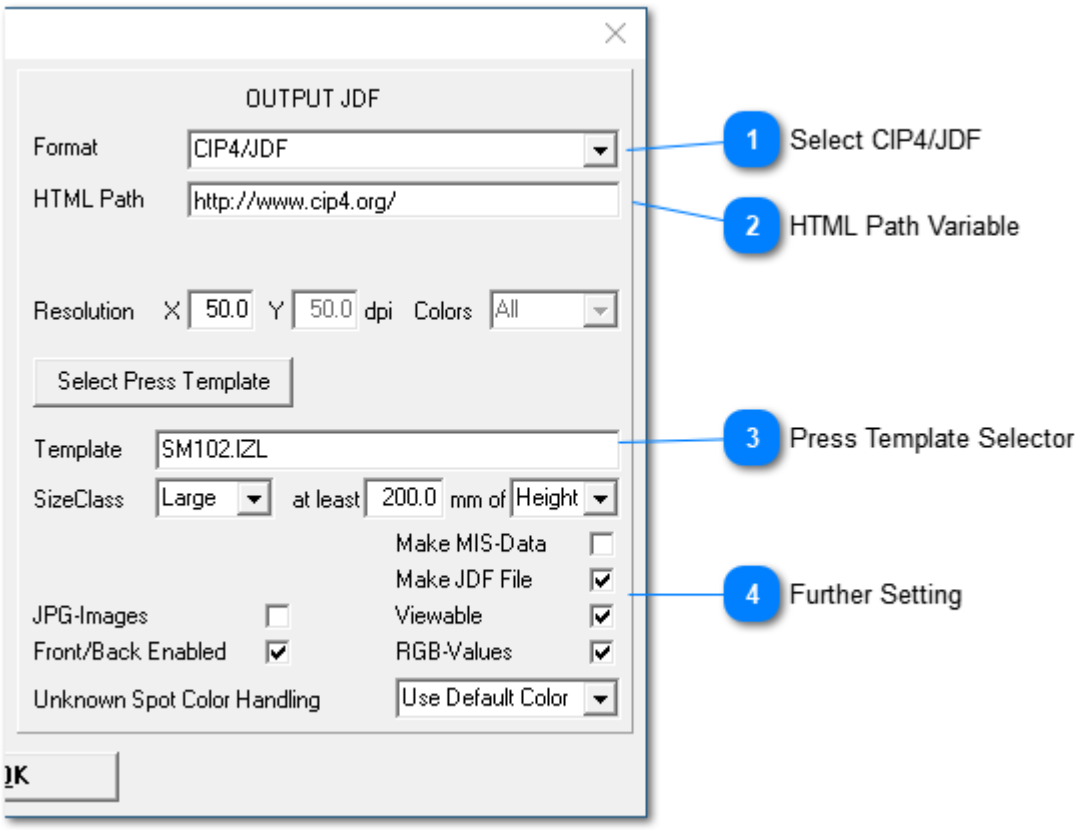
4.3.1. Output Format

Choose from one of the given output formats shown in the list box. Default format is CIP4/JDF.



4.3.1.1. CIP4/JDF for Inkzone

Select ***CIP4/JDF*** to connect an Inkzone system to a pre-press workflow.



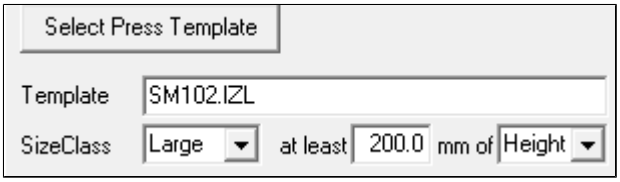
1 Select CIP4/JDF

Output format.

2 HTML Path Variable

HTML link for the XML. Use the default value http://www.cip4.org/

3 Press Template Selector

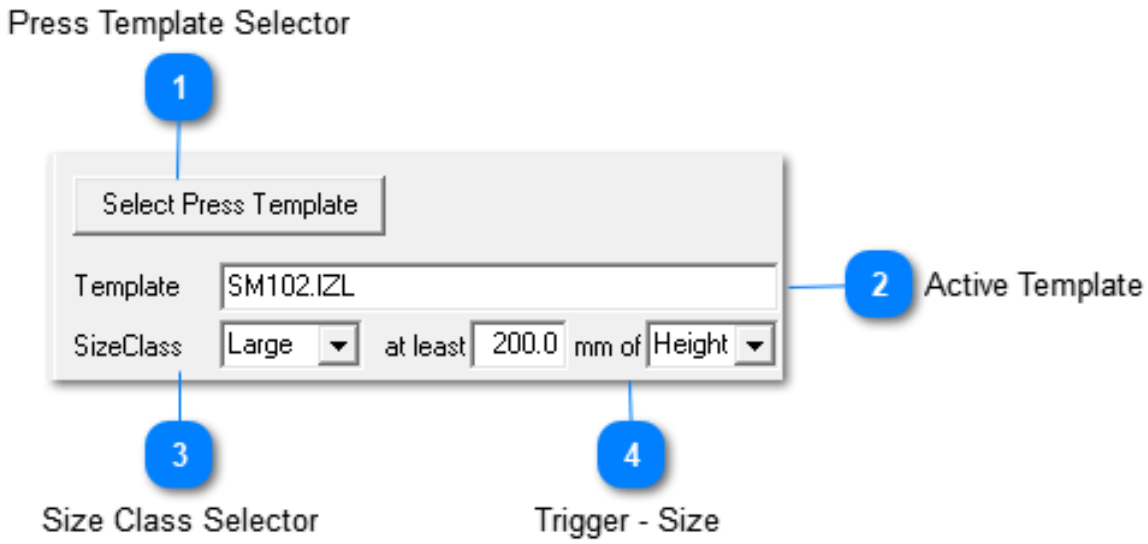


See details here: 4.3.1.1.1. Press Template

4 Further Setting

See details here: 4.3.1.1.2. Further Settings

4.3.1.1.1. Press Template



1 **Press Template Selector**

Open the press template editor and select the matching template. This press template is used either for the Size Class ***large, medium or small*** selected from the ***Size Class*** list box below.

2 **Active Template**

Currently selected press template for the Size Class ***large, medium or small*** selected from the ***Size Class*** list box below.

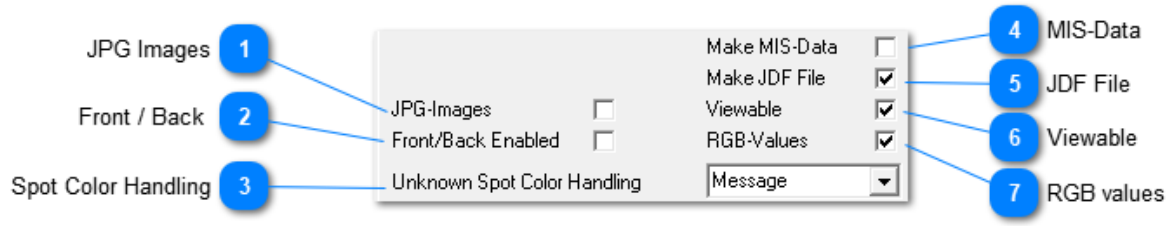
3 **Size Class Selector**

Select the size class ***large, medium or small***

4 **Trigger - Size**

Trigger on document ***height or width*** with the given size ***at least***

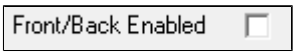
4.3.1.1.2. Further Settings



1 JPG Images

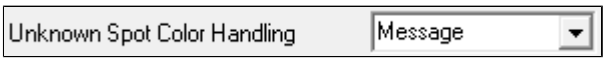
Activate when a JPEG image is needed. By default the option ***Viewable*** is activated which creates a PNG image from the input data. The PNG is used by Inkzone's job preview.

2 Front / Back



Activate to create an CIP4 XML data file which contains front and back side data. Note: it's mandatory to select the correct workflow name scheme to distinguish the front and back side data files.

3 Spot Color Handling

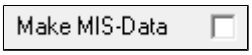


Select the proceeding when the input job contains a spot color which is not defined in the spot color table ***colors.txt*** . Available options are:

Message A warning is displayed before processing

Use Default Color The color ***defaultcolor*** is used without warning

4 MIS-Data

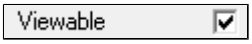


Creates data for MIS workflows

5 JDF File

Creates the XML with the ink coverage data. Activation is mandatory for connecting to an Inkzone system

6 Viewable



Creates a PNG data and is linked in the XML file. Activation is mandatory for connecting to an Inkzone system

7 RGB values

A RGB color value for each separation is added to the XML. Activation is mandatory for connecting to an Inkzone system

4.3.1.1.3. Video for Inkzone Setup

4.3.1.1.3.1. Setup Manual Mode

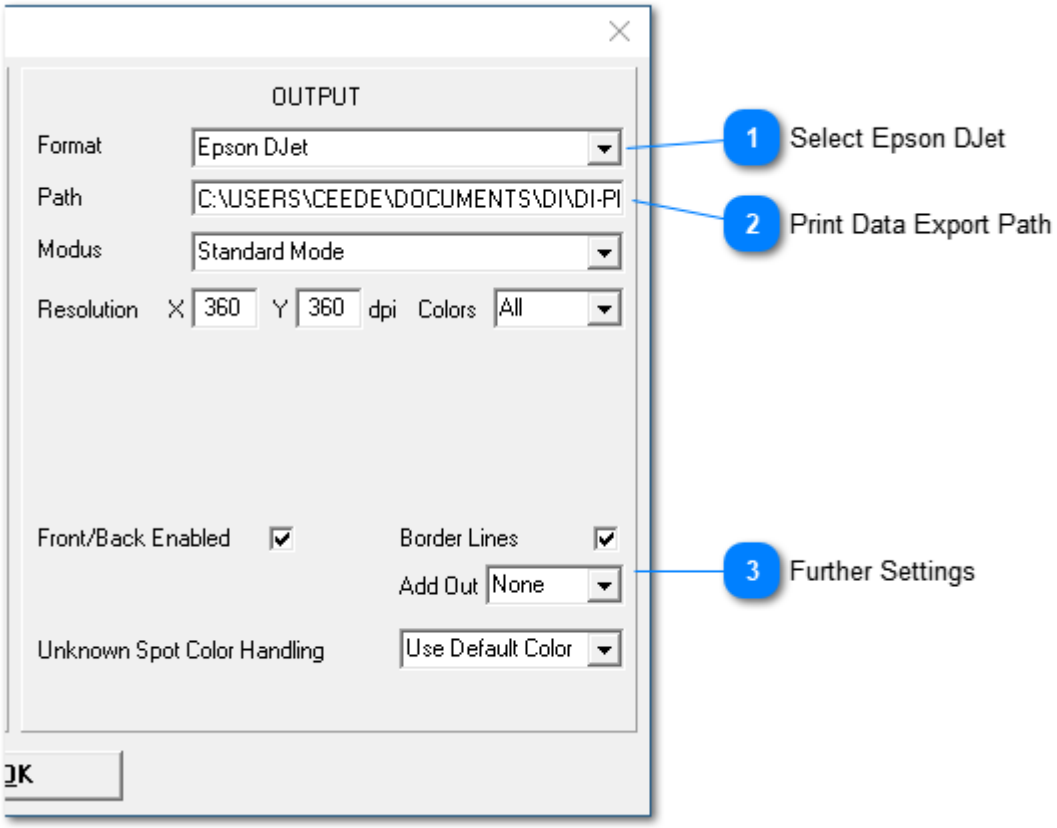
This video explains how to setup DI-Plot for Inkzone in manual processing mode.

4.3.1.1.3.2. Setup Automatic Hotfolder Mode

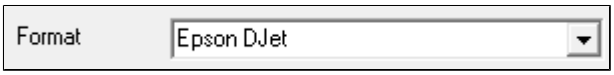
This video explains how to setup DI-Plot for Inkzone in the automated hotfolder processing mode.

4.3.1.2. Epson DJet for DJet and Preproofer

Select ***Epson DJet*** to connect an DJet or Preproofer system to a pre-press workflow.



1 Select Epson DJet



Output format.

2 Print Data Export Path

Print data is exported to here. The path is the input path for DI-Pilot the print manager for the DJet system

3 Further Settings

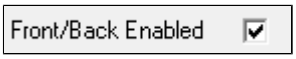
See details here:

4.3.1.2.1. Further Settings

1 JPG Images

Select a resolution such as 180, 360, 540 or 720.
Note: this is internal calculation and not the print resolution. It's recommended to setup the workflow to produce TIFFs with the selected resolution.

2 Front / Back

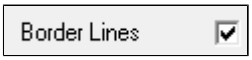


It's mandatory to activate it when connecting to the DJet print system.
Note: uncheck when one single printer is used to created imposition proofs.

3 Spot Color Handling

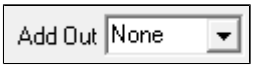
Select the proceeding when the input job contains a spot color which is not defined in the spot color table ***colors.txt*** . Available options are:
Message A warning is displayed before processing
Use Default Color The color ***defaultcolor*** is used without warning. The defaultcolor is created with a light red C=50% and Y=50%

4 Border



Adds an 1 pixel black line around the print out

5 Add Output data

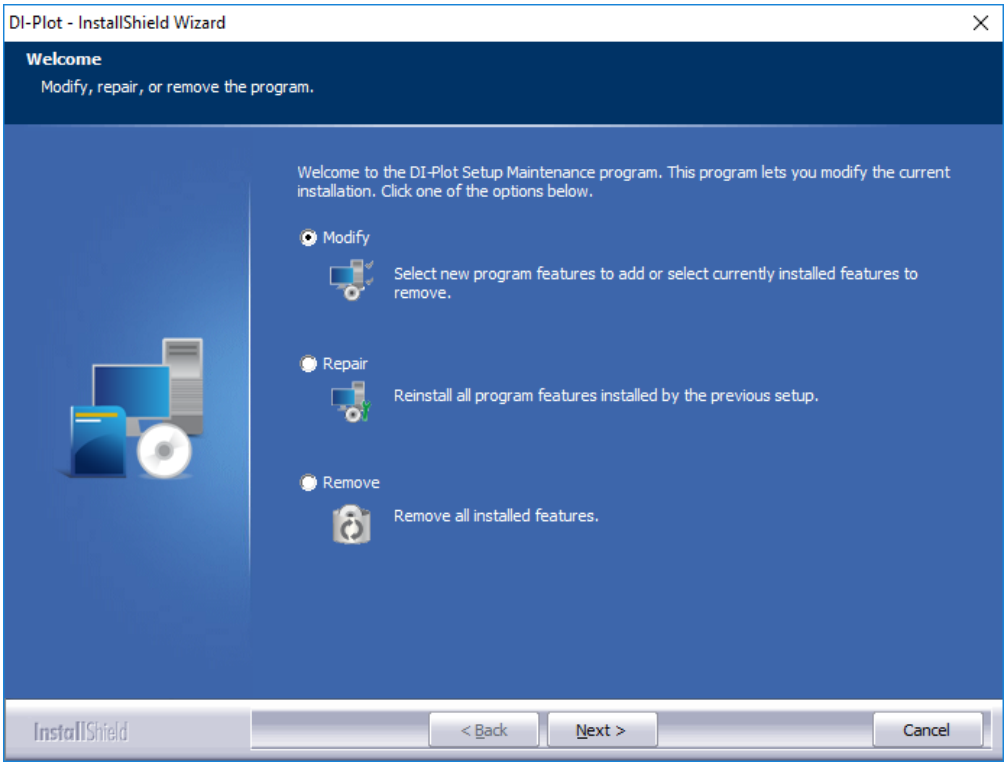


Choose from the list box an additional output file such as ***CIP3, CIP4/JDF or Inkzone***

5. FAQ

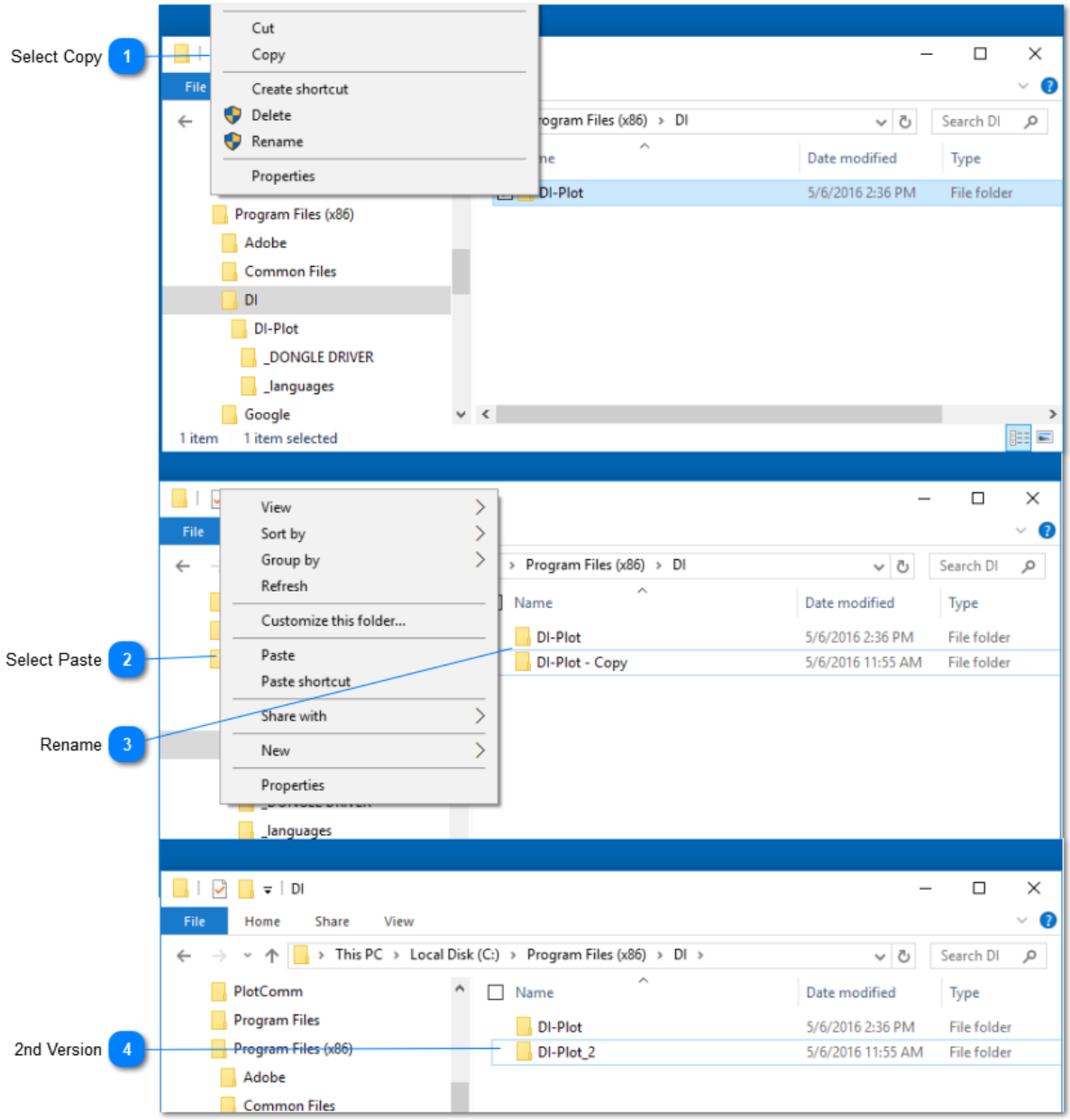
5.1. Install Multiple Versions

The installer doesn't support the installation of multiple versions. If the installer runs again the options modify, repair or uninstall are available.



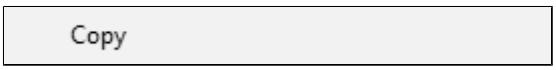
5.1.1. Step 1

Duplicate DI-Plot ***program folder***.



se

1 **Select Copy**

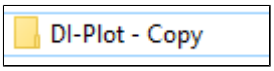


Right mouse click on the DI-Plot folder in "program files (x86)\DI\". Select ***Copy*** from the menu

2 **Select Paste**

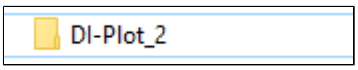
Select Paste from the menu. Windows Explorer creates a copy of the existing program folder

3 Rename



Select the newly created folder and rename it

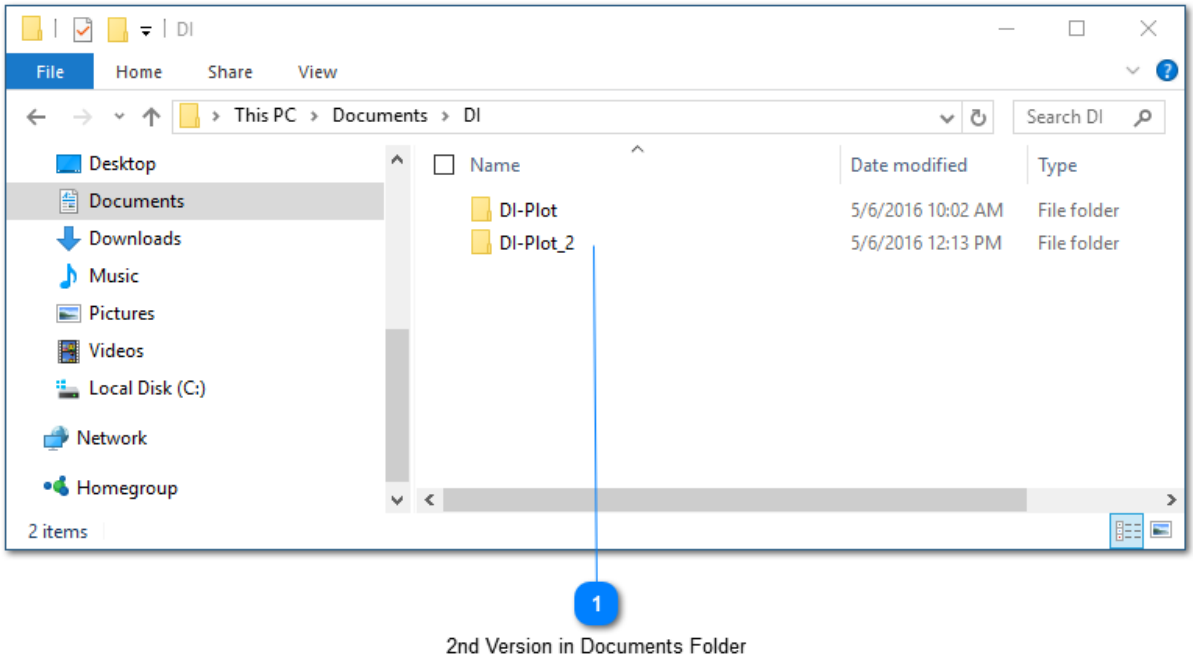
4 2nd Version



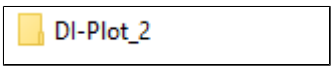
Name the second version ***DI-Plot_2*** and so forth

5.1.2. Step 2

Duplicate DI-Plot in ***Documents*** folder.



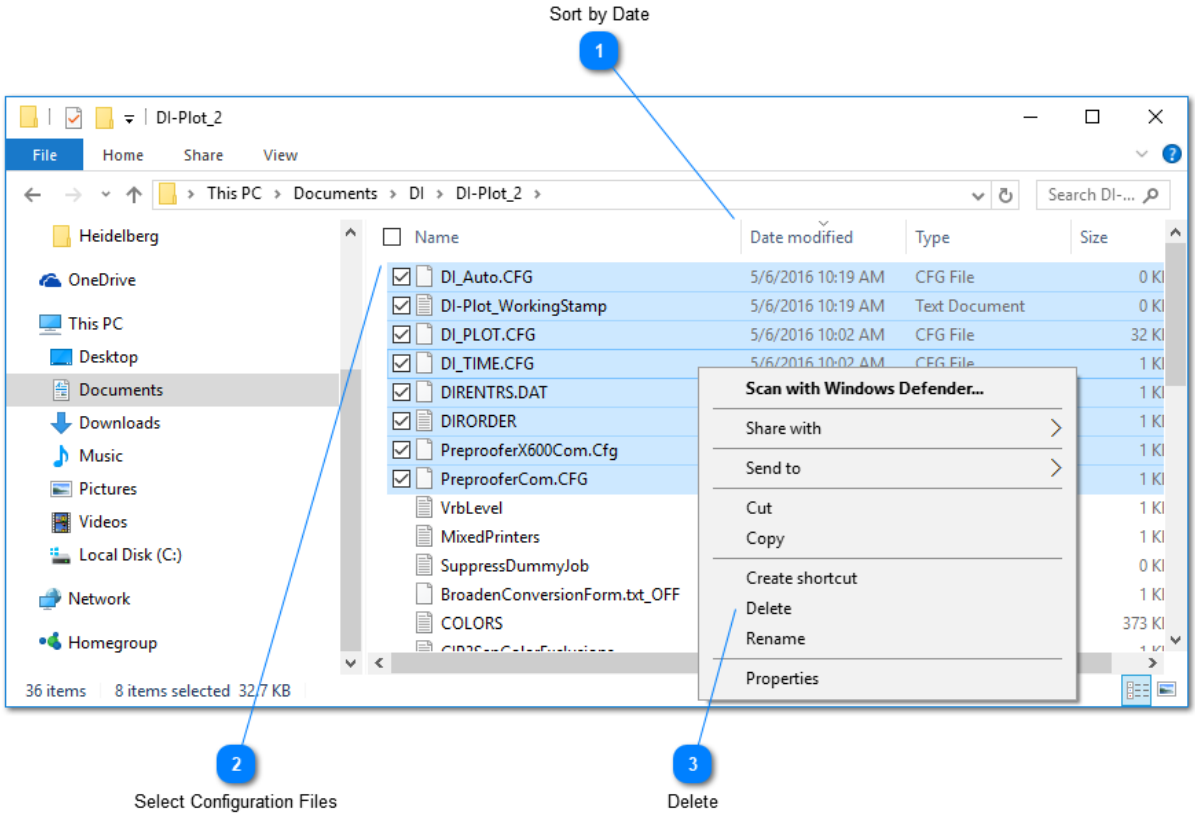
1 **2nd Version in Documents Folder**



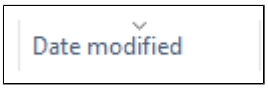
Copy paste DI-Plot document folder and rename with the same name as within the program folder.
See 5.1.1. Step 1

5.1.3. Step 3

Delete all configuration files in the newly created folder in documents.

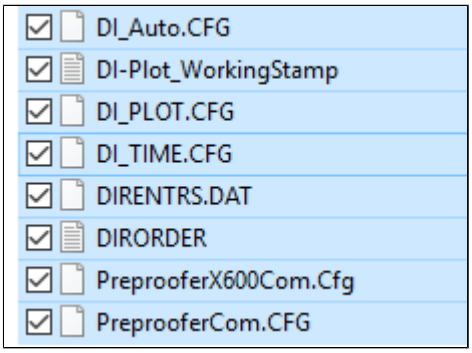


1 **Sort by Date**



Sort the column by date

2 **Select Configuration Files**



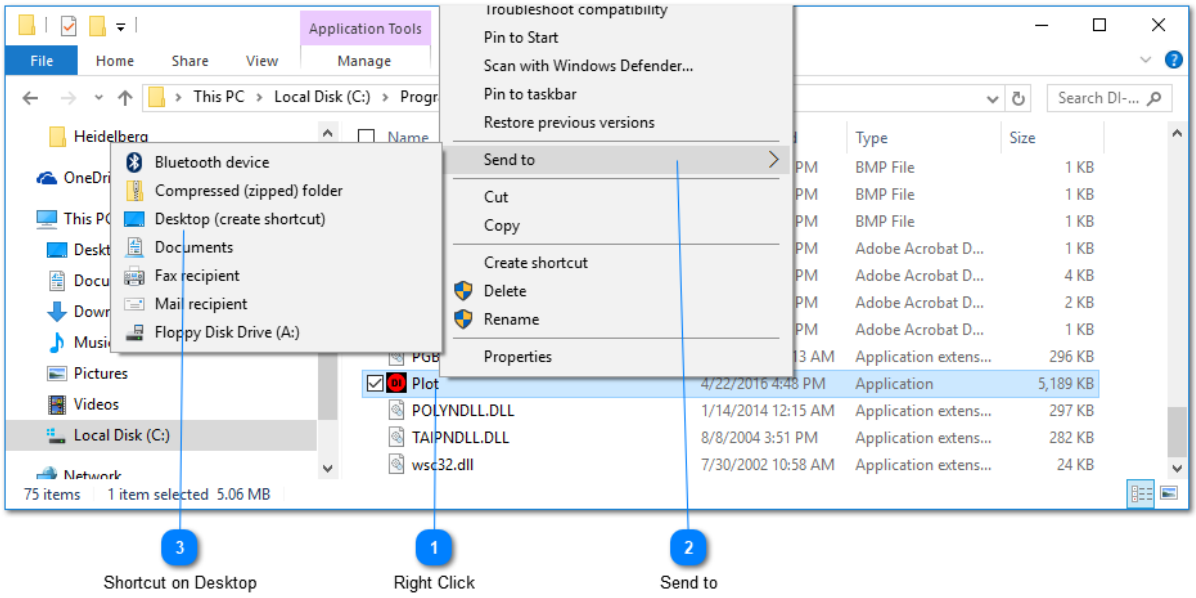
Select these files. Note: some configuration files may not be available due to the input/ output setup in the initial version

3 **Delete**

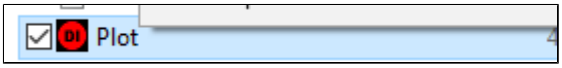
Right mouse click on the file selection opens up the menu. Then select ***Delete***

5.1.4. Step 4

Open the program folder with the newly created version and add a shortcut to the desktop.



1 Right Click

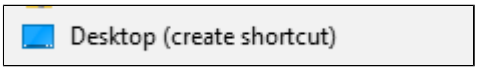


Mouse ***right click*** on plot.exe

2 Send to

From the menu select ***Send to***

3 Shortcut on Desktop



From the menu select ***Desktop (create shortcut)***

5.1.5. Step 5

To use only one spot color table, select the ***colors.txt*** from the initial program version. Change here:
3.1. Program Base Parameters