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## Revision History

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1. Getting Started

Utility Features Overview

This utility is to download graphic files into the flash memory of Citizen CL-S /CL-E printer series from a Windows computer. It also allows you to browse, delete and print downloaded graphic files.

* The flash memory drive allocation is depending on the emulation. See the table below.

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* The command set of Datamax® is fixed to “DMI / DMW”
System Requirements and Languages
Windows 7 Professional SP1 or greater operating system required. This utility checks the current operation language and starts up either with Japanese or English. You can also change the language manually.
* To switch languages, the application will need to restart.

This utility was tested with,
- Windows 10 x64, x86
- Windows 8.1 x64
- Windows 7 Professional SP1 x86
Installing the Utility
This utility is distributed in an installer. Start up the installer and follow the wizard. A shortcut will be created in the start menu after installing.
Preparation

1) Select a "Printer Model."
2) Select the interface which you are using with the printer, then set the connection setting from "Details...".
   * For details, refer to "Interface setup details."
3) Then proceed to "2. File download" or "3. Printer File Management" depending on your purpose.
Interface setup details
A dialog window pops up to configure interface connection details.

■ Serial interface

![Serial interface setup details](image)

Port number:
Select a port number.

Bits per second:
Select a baud rate from [2400] to [115200].

Parity:
Select a serial parity from [None], [Odd] or [Even].

Flow control:
Select a flow control from [DTR/DSR] or [Xon / Xoff].
■ Parallel interface

Port number:
Select a port number.

■ USB interface

* For the CL-E series and CL-S 6621 series, set "USB 2.0 High Speed" option to "OFF" in the printer.

Port information:
This shows a list of available USB ports.
Highlight one to select a port.

[Search] button:
Search and update the list of available USB ports.
Network interface

Network information:
This shows a list of available network addresses.
Highlight one to select a port.

[Search] button:
Search and update the list of available network addresses.

IP address:
An IP address will be inserted automatically by selecting a port from the list.
Type in an IP address only when you wish to set up a different address exceptionally.

Port number:
9100 will be inserted automatically by default.
Type in a port number only when you wish to set up a different port number exceptionally.
Bluetooth interface

Bluetooth information:
   This shows a list of available Bluetooth devices.
   Highlight one to select a device.

[Search] button:
   Search and update the list of available Bluetooth devices.

Bluetooth Device Address:
   A Bluetooth address will be inserted automatically by selecting a device from the list.
   Type in a Bluetooth address only when you wish to set up a different address exceptionally.

Device Name:
   Show the name of the device selected in the list.
2. File downloading

The File downloading feature is to download graphic files into the flash memory of the printers. Supported graphic file formats are BMP / GIF / EXIF / JPG / PNG / TIFF. You can also export an adjusted graphic file in BMP format.

Basic usage

1) Click "Select Image" to select a graphic file to download.
2) This area allows you to edit the image size or effects.
   • Specify the "width" or "height" of the image.
     * "Fixed aspect ratio" option keeps the aspect ratio.
     * Select a measurement unit either mm or inch.
   • Select an orientation.
   • Select a dithering method.
   • Adjust "Gamma", "Contrast", "Brightness" or "Thinness (Thinning Black)" by using the slider.
   • "Reset" restores all settings to default.
3) "Download" starts downloading the graphic file into the printer with the specified file name. See the naming rule below.

* In case of "Datamax®", up to 16 alphanumeric characters.
* In case of "Zebra®", up to 8 alphanumeric characters.

With the export function, you can save the data of the corrected image to a file. When you click the "Export" button, the selection screen of the saving format is displayed, so select the saving format from "Printer registration format" and "BMP format". After selecting the save format, the "Save As" dialog will be displayed, so please specify the save location.
3. Managing Printer Files

This section allows you to retrieve a list of downloaded graphic files, print or delete the graphic files.

Getting a list of downloaded files
"Get File List" will acquire downloaded graphic file names, will show a list of file names and available memory size.

![Image of Windows Graphic Loader for Label Printers User’s Manual](image-url)
Deleting downloaded files
You can delete downloaded graphic files individually or all at once, by selecting files from the list and "Delete" or by pressing "Delete All."
* The file list must be updated prior to deleting.
* Deleting multiple files may take time.

1) [Delete] button:
   Deletes selected files in the list.

2) [Delete All] button:
   Delete all graphic files in the file list. This won’t be executed unless "Get File List" is performed or there is no file downloaded.
Printing graphic files

“Print” button prints the graphic files downloaded in the printer. Highlight a file in the list and press “Print.”

* To print a file, the file list must be updated by “Get File List.”

Command examples to print downloaded graphic files

Datamax® emulation: An example command to print a file "Sample."

[02][1B]G0 Set the command set to "DMI / DMW"
[02]L Starts the label format mode
D11 Sets the pixel size
1Y1100000000000Sample Prints the downloaded graphic file "Sample"
Q0001 Sets the number of print
E Ends the label format mode and prints

Zebra® emulation: An example command to print a file "SAMPLE.GRF."

^XA Starts the label format mode
^XGE:SAMPLE.GRF,1,1^FS Prints the downloaded graphic file "SAMPLE.GRF"
^XZ Ends the label format mode and prints