



# Barcode Printer Utility Version 1.2.0.0

**User's Manual** 

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# **Revision History**

Date	Note
Jul.2011	First publication
Jul.2011	Increased the version number with the release of 1.0.0.1
Nov.2011	Increased the version number with the release of 1.0.1.0
Jun.2013	Increased the version number with the release of 1.1.0.0
	<ul> <li>Add the CL-S66xx series to a supporting printer model.</li> </ul>
	· Add a function to receive configuration.
	$\cdot$ Function to save of the configuration at the time of the end, and reflection of the configuration at the time of the start are added by "Filename.ini" file.
Oct. 2014	Increased the version number with the release of 1.2.0.0
	<ul> <li>Add the CL-E720 series to supporting printer models.</li> </ul>
	· Add a choice of receive data type as "Information".

# CONTENTS

1. Getting Started	4
Utility Features Overview	
System Requirements and Languages	
Installing the Utility	5
Quick Start	5
2. Interface	6
Printer Driver	6
Serial(COM/VCOM)	7
Parallel (LPT)	7
USB	7
LAN	7
3. Sending Configuration	8
About a function to send configuration	
[Standard] and [Advanced] tab	
4. Receiving Configuration	9
About a function to receive configuration	9
[Information] Tab	9
5. Import and Export	10
Export	10
Import	11
Configuration File	
6. Default & Exit	13
Restore Defaults	
Exit	

# 1. Getting Started

#### **Utility Features Overview**

This utility is the application to configure the setting of Citizen CL-S /CL-E series from Windows PC.

This application possesses the following functions:

- "Send Configuration" is function to set any item to a printer.
- "Receive Config" is function to acquire the item which a printer is setting.
- "Export..." is function to output a setting item in a file.
- "Import..." is function to begin to read a setting item from a file.

By these functions, the same configuration repeatedly with or without this utility.

<b>9</b>		BarcodePrinterUt	tility 1.2.0.0		- 🗆 🗙
Standard Advanced Info	rmation   🛛 🗆	Check/Uncheck All Iten	ns	<u>^</u>	Printer Model:
Config Set	CONFIG SET 1 💌				CL-E/XXZ (Zebra® Emulatic
Page Setup Print Speed Print Darkness Darkness Adjust Print Method Ribbon Winding Direction Continuous Media Length Vertical Position Horizontal Shift	6 IPS       ▼         10       ↓         0       ↓         TTT       ▼         OUTSIDE       ▼         4.00       INCH▼         0.00       INCH▼         0.00       INCH▼	Auto Side Shift Sensor Select Media Sensor Top Form Sensor Top Form Length Small Media Adjustmen Small Media Length Symbol Set	0     →     DOTS       REAR ADJ SENSOR     ▼       SEE THROUGH     ▼       ○ OFF     ▼       □     INCH       □     1.00       INCH     ▼		© Driver Name: Citizen CL-E720Z
Vertical Image Shift Vertical Image Shift	□ INCH ▼ □ 000 ÷ DOTS				O IP Address:
Sensor Level	□ 1.5 V	LCD Standby	□ OFF ▼		Port Number; 9100
Paper End Level		Standby Timer			Send Configuration
Cover Open Sensor		PNE Status PNE Alarm			Import Export
Buzzer Select		Control Code	T ALT		Receive STANDARD
Metric/Inch	INCH 💌	Emulation Select	□ ZPL2	*	<u>Restore Defaults</u>

#### System Requirements and Languages

This utility requires Windows 7 Professional SP1 or greater operating system.

It has been tested with,

- · Windows 8.1 x64
- ·Windows 8 x86
- · Windows 7 Professional SP1 x86 Japanese
- ·Windows 7 Professional SP1 x64 English

#### **Installing the Utility**



This utility is provided as "BarcodePrinterUtility.exe" file format of the following icon. Simply place the exe file into your computer and run it. This software outputs the "Filename.ini" file which recorded the configuration of all items and "BarcodePrinterUtilitySet.ini" file which recorded a printer model and interface information choosing at the time of the end in a folder same as "BarcodePrinterUtility.exe" file. The utility starts up with the default setting without the "BarcodePrinterUtilitySet.ini" file. If you run the

utility form a CD or any non-writable media, it starts up with the default settings.

#### **Quick Start**

"BarcodePrinterUtility.exe" to start up the utility, then,

- 1. Select your printer model to configure.
- 2. Select the interface which you are using with the printer.
- 3. Select item(s) you wish to configure.

Note that the utility only configures the item(s) with the checkbox "checked".

4. Press [Send Configuration].

In most cases, the printer beeps and restarts when the configuration is successfully set.

<b>\$</b>		BarcodePrinter	Jtility 1.2.0.0		_ 🗆 🗙
Standard Advanced Info	rmation 🗌 🗆	Check/Uncheck All Ite	ems		Printer Model:
- Global Config				- î	CL-E7xxZ (Zebra® Emulatic 💌
Page Setup					C Driver Name:
Print Speed	✓ 6 IPS	Auto Side Shift			Citizen CL-E720Z
Print Darkness		Sensor Select 🛛 🗖	REAR ADJ SENSOR		19, 168.0.2, 9100
Darkness Adjust		Media Sensor	SEE THROUGH		C COM / VCOM:
Print Method		Top Form Sensor			COM1: Detail
Ribbon Winding Direction		Top Form Length	INCH 🗾		C LPT:
Continuous Media Length	□ 4.00 INCH ▼	Small Media Adjustm	ent OFF 🗨		LPT1:
Vertical Position	□ 0.00 INCH ▼	Small Media Length	□ 1.00 INCH ▼		с usb: <b>2.</b>
Horizontal Shift	□ 0.00 INCH ▼	Symbol Set	PM 🗨		USB003 👻
Vertical Image Shift	INCH -	•			IP Address:
Vertical Image Shift	□ 000 ÷ DOTS	3.			192 . 168 . 0 . 2
System Setup					Port Number: 9100
Sensor Level	✓ 1.5 V	LCD Standby	OFF 🗨		
Paper End Level	✓ 2.80 V	Standby Timer	5 🕂 MIN	- )	4 Send Configuration
Error Reporting	ON PRINTING	PNE Status	ON 👻	7/	Import Export
Cover Open Sensor	□ OFF	PNE Alarm	OFF 🚽		
Buzzer Select		Control Code	🗆 ALT 🖃		Receive STANDARD -
Metric/Inch	INCH -	Emulation Select	□ ZPL2	~	Restore Defaults Exit

# 2. Interface

## **Printer Driver**

If you select a printer driver as interface, the utility uses the printer port of the printer driver. The drop down list shows the printer driver(s) you have in your Windows PC.

9	BarcodePrinterUtility 1.2.0.0	- 🗆 🗙
Standard Advanced Information	Check/Uncheck All Items	Printer Model:
Global Config		CL-E7xxZ (Zebra® Emulatic ▼
Config Set	3 SET 1 💌	I/F:
Page Setup		Oriver Name:
Print Darkness		Citizen CL-E720Z
Darkness Adjust		Citizen CL-E/20 Citizen CL-E/20Z
Print Method		Citizen CL-S400DT Citizen CL-S521
		Citizen CL-S621
Continuous Media Length	INCH ▼ Small Media Adjustment □ OFF	Citizen CL-S6621Z
Vertical Position	INCH V Small Media Length 1.00 INCH	Citizen CL-S700Z
Horizontal Shift 🗌 0.00	INCH - Symbol Set	✓ Microsoft XPS Document Writ
Vertical Image Shift 🗖	INCH -	
Vertical Image Shift 🛛 🗍 000 🕂	DOTS	192 168 0 1
- System Setup		Bort Number: 0100
Sensor Level	V LCD Standby	V VIIII VIIIII VIIII VIIII VII
Paper End Level	V Standby Timer 🗌 5 🕂 MIN	Send Configuration
Error Reporting	NTING  PNE Status	Search Devices and
Cover Open Sensor	PNE Alarm	<u>Import</u> <u>Export</u>
Buzzer Select	Control Code     ALT	<u>R</u> eceive         STANDARD
Metric/Inch	Emulation Select      ZPL2	<u>Restore Defaults</u> <u>Exit</u>
▲ Printers (11)		
Citizen	Citizen Citizen Citizen C	itizen Citizen Citizen Fax Microso
CL-E/20	CL-E720Z CL-S400D1 CL-S521 CL-S621 CL	5700 CL-5700Z CL-50621 CL-56621Z XPS Docume
		Write

## Serial(COM/VCOM)

In case of Serial interface, select a correct COM port number, press [Detail...] to set up a correct COM port setting. The current COM port setting should be shown in the current configuration print of the printer. Please refer the user's manual of your printer model for the current configuration print. If you are using the VCOM (Virtual COM) driver, the COM port for the VCOM (e.g. COM8) should show up in the drop down list.

	- 🗆 🗙	
^	Printer Model: CL-E7xxZ (Zebra® Emulatic 💌	
ТS + • + • H • H • H •	I/F:       ○ Driver Name:         ○ Driver Name:         ○ Citizen CL-E720Z         100.160.0.0, 0100         ○ COM / VCOM:         ○ COM1:         ○ LPT:         □LPT1:         ○ USB:	COM Settings Baud rate: 9600 Data bits: 8 Stop bits: 1 Parity: None
	O IP Address:           192.168.0.2           Port Number:	Flow control: None
4	Send Configuration	

## Parallel(LPT)

In case of Parallel interface, select a correct LPT port.

## USB

In most cases, a printer driver is installed with the use of USB connection. This selection also gives you an option to select a specific USB port.

## LAN

In case of LAN, please type in a correct IP address and port. Citizen Barcode printer models usually use the port 9100.

# 3. Sending Configuration

#### About a function to send configuration

The configuration item area shows the items which you are able to configure with the printer model you selected. You classify a check into the item which you want to set to a printer and update a value by drop-down menu and direct input and a value is set to a printer by pushing the [Send Configuration] button. An item getting out of the gray is the item where is impossible of setting in the printer model that you chose. You can choose all items which you can set by classifying a check into an upper [Check / Uncheck All Items] box at the time of the setting of the item.

		BarcodePrinter	Utility 1.2.0.0		- 🗆 🗙
Standard Advanced Info	ormation 📃 🗆 🗆	Check/Uncheck All It	ems		Printer Model:
Global Config Config Set	CONFIG SET 1 💌			^	CL-E7xxZ (Zebra® Emulatic
Page Setup Print Speed Print Darkness	□ 6 IPS ▼	Auto Side Shift			Citizen CL-E720Z
Darkness Adjust Print Method		Media Sensor Top Form Sensor	SEE THROUGH		C COM / VCOM:
Ribbon Winding Direction Continuous Media Length		Top Form Length Small Media Adjustn	nent OFF		C LPT:
Vertical Position Horizontal Shift	□ 0.00 INCH ▼ □ 0.00 INCH ▼	Small Media Length Symbol Set	□ 1.00 INCH ▼ □ PM ▼		O USB:
Vertical Image Shift Vertical Image Shift		n itom oroc			IP Address:           192         . 168         .         2
- System Setup					Port Number: 9100
Sensor Level Paper End Level	□ 1.5 V □ 2.80 V	LCD Standby Standby Timer	OFF		Send Configuration
Error Reporting Cover Open Sensor	OFF	PNE Status PNE Alarm	□ ON <u>·</u> □ OFF <u>·</u>		Import Export
Buzzer Select Metric/Inch	ON  INCH	Control Code Emulation Select	□ ALT	•	Receive     STANDARD       Restore Defaults     Exit

Selectable items, values and initial values are different depending on your region. Please refer the user's manual of your printer model or consult with your vendor.

#### [Standard] and [Advanced] tab

You can also switch to other menu by pressing the upper tabs of a Configuration Item Area. Advanced menu contains mechanically sensitive items. Please refrain from changing any values in it if you are not familiar with the item(s) otherwise the printer may get fatal damage.

# 4. Receiving Configuration

#### About a function to receive configuration

When "Receive" button is pressed, a dialog pops up for confirmation. If you press "Yes", printer setting data is restores to configuration item area. On the drop down menu, you can choose data type from "STANDARD", "ADVANCED", "ALL" or "INFORMATION". The setting contents to receive when choose "STANDARD" or "ADVENCED" only in the item of a [Standard] tab or the [Advanced] tab. When choose "ALL"; of both items of a [Standard] tab and the [Advanced] tab receive. When normalcy can receive it, a check enters the setting item which you received in the Configuration Item Area. In most cases, the printer beeps and restarts when the configuration is successfully receive.

<b>\$</b>		BarcodePrinter	Utility 1.2.0.0		- 🗆 🗙
Standard Advanced Info	rmation   🛛 🗆	Check/Uncheck All It	ems		Printer Model:
Global Config				<u>^    </u>	CL-E7xxZ (Zebra® Emulatic 💌
Config Set	CONFIG SET 1				I/F:
Page Setup     Print Speed		Auto Sido Shift			O Driver Name:
Print Darkness		Sensor Select			Citizen CL-E720Z
Darkness Adjust		Media Sensor			о сом / vcom:
Print Method		Top Form Sensor	□ OFF		COM1: 💌 Detail
Ribbon Winding Direction		Top Form Length			С LPT:
Continuous Media Length	□ 4.00 INCH -	Small Media Adjustn	nent OFF 🔹		LPT1: 🔻
Vertical Position	0.00 INCH -	Small Media Length	□ 1.00 INCH ▼		O USB:
Horizontal Shift	□ 0.00 INCH ▼	Symbol Set	Г РМ 👤		USB001 👻
Vertical Image Shift					• IP Address:
Vertical Image Shift		on itom orog			192 . 168 . 0 . 2
– System Setup	connguratio	on item area			Port Number: 9100
Sensor Level	□ 1.5 V	LCD Standby			
Paper End Level	2.80 V	Standby Timer			Send Configuration
Error Reporting		PNE Status			Import Export
Cover Open Sensor	OFF _	PNE Alarm			Receive STANDARD -
Buzzer Select		Control Code			Restore Defail
Methy Inch		Emulation Select		<u> </u>	ALL
					INFORMATION

## [Information] Tab

If you choose "Information" data type on drop down list, information of 4 items (Serial number, Print counter, Service counter and Cut counter) are shown on "Information" tab.

# 5. Import and Export

You can let the printer of plural stands reflect the same setting by the configuration file that import / exports the setting contents of the printer.

#### Export

Please push the [Export...] button after you classify a check into the item which wants to save. Then you attach a file name and computer can save it. Choose all items which you can set by classifying a check into an upper [Check / Uncheck All Items] box at the time of the setting of the item.



The configuration file will be saved as ".prn" file.



## Import

To import a configuration file, press [Import...] button and select a configuration file.

Ø	Open		×
🛞 🏵 👻 🕇 퉬 « Local D	isk (C:) → BarcodePrinterUtility → prnfile	✓ C Search prnfile	٩
Organize 🔻 New folder			0
Videos Local Disk (C:) BarcodePrinterUtility EN JP CITIZEN driver Intel PerfLogs Program Files Program Files Videos	Config.prn		
File <u>n</u> ame:	config.prn	PRN Files (*.prn)	*
		<u>O</u> pen Cancel	

The setting(s) in the configuration file will be reflected to the utility (if the data is valid).

ŵ		BarcodePrinterU	tility 1.2.0.0		- 🗆 🗙
Standard Advanced Info	rmation 📔 🗆 🗖	Check/Uncheck All Iter	ns		Printer Model:
Global Config					CL-E7xxZ (Zebra® Emulatic 💌
Config Set	CONFIG SET 1				_ I/F:
Page Setup					C Driver Name:
Print Speed		Auto Side Shift			Citizen CL-E720Z
Print Darkness	▼ 10 ÷	Sensor Select 🗖	REAR ADJ SENSOR		192,168,0,2, 9100
Darkness Adjust		Media Sensor	SEE THROUGH		C COM / VCOM:
Print Method		Top Form Sensor	OFF 🔽		COM1: Detail
Ribbon Winding Direction		Top Form Length	INCH 🔽		C LPT:
Continuous Media Length	□ 4.00 INCH ▼	Small Media Adjustme	nt 🗆 OFF 📃 💌		LPT1:
Vertical Position	□ 0.00 INCH ▼	Small Media Length	□ 1.00 INCH ▼		C USB:
Horizontal Shift	□ 0.00 INCH ▼	Symbol Set	□ PM		USB001 👻
Vertical Image Shift					IP Address:
Vertical Image Shift	□ 000 🕂 DOTS				192 . 168 . 0 . 2
System Setup					Port Number: 9100
Sensor Level	✓ 1.5 V	LCD Standby	OFF 🔹		· · · · · · · · · · · · · · · · · · ·
Paper End Level	▼ 2.80 V	Standby Timer	5 🕂 MIN		Send Configuration
Error Reporting	ON PRINTING 💌	PNE Status	ON 🔽		Import Export
Cover Open Sensor	C OFF 💌	PNE Alarm	OFF 🚽		
Buzzer Select		Control Code	ALT 🚽		Receive STANDARD
Metric/Inch		Emulation Select	TZPL2	~	<u>R</u> estore Defaults <u>E</u> xit

## **Configuration File**

The configuration file open by general text editor and can edit it, however please do not change anything other than the item names or values. Changing control codes makes the configuration file broken (invalid for printer).



You can transmit a message to a direct printer without importing the contents of the configuration file for this utility program. You choose a tab among the property of the printer [Tools], [Action], and, please choose [Send File To Printer...] among a menu. For detailed information, see the instruction manual of the printer of the errand.

General	Sharing Ports Advanced Color	Manazement Security
Fo	nts Tools	About
Fo	Action Configure Configure Configure Action Configure Configure Action Action Configure Configur	About
	OK Cancel	Apply Help

# 6. Default & Exit

#### **Restore Defaults**

The initial value of a printer choosing is reflected by a utility. It is not a thing initializing a printer.

#### Exit

When you finish this utility, please push the [Exit] button. Because a confirm dialog is displayed, it is finished when, "yes" your push. (It becomes the same movement even if your push x of the top right corner.)

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