

Mobile Printer CMP-30
Utility Manual (V1.74)

CITIZEN SYSTEMS JAPAN CO.,LTD.

1. Startup screen

CITIZEN CMP-30 Printer Utility 1.74

Printer Connection Settings

Port : COM1
BaudRate : 19200
Data Bits : 8
Parity : NONE
Stop Bits : 1
Flow Control : DTR/DSR

Open Port Close Port

Save Serial Port Configuration

Bluetooth Settings

Bluetooth Information

Get Bluetooth Information

BT Address :

Bluetooth device name(Bluetooth ID)

Set Bluetooth Information

Auto connection Settings

Enable auto connection Disable auto connection

PIN Code Information

PIN Code :

Save Bluetooth PIN Code

Discoverable Mode Information

☐ ON ☐ OFF

Save Discoverable Mode

Emulation Settings

Get Emulation

Set CPCL Set ESC/POS

Label Media Settings

Set Gap Set Black mark

Wi-Fi Settings

Start Wi-Fi Settings

Power Save Mode

Minute

Save Power Save Mode

Code Page Setting

Code Page Save Code Page

Print Code Page

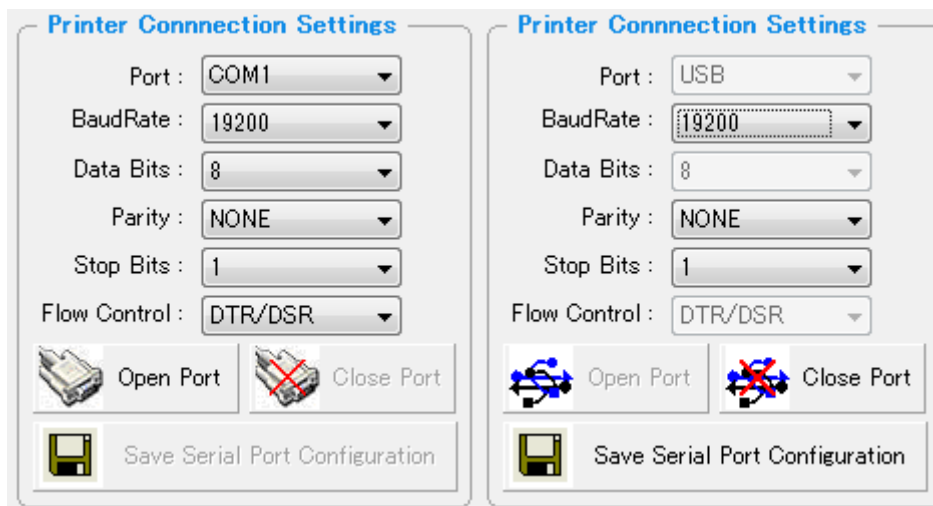
Density Settings

Density :

Save Density

Exit

2. Printer Connection Settings with PC



You can connect the printer to PC by Serial (COM1 – COM9) or USB port.

When you use Serial Port, you have to check the Baud Rate setting between the printer & PC.

Once the printer is connected with PC via serial interface, you can change the BaudRate setting of the printer and you can save the changed BaudRate to the printer by 'Save Serial Port Configuration'.

You can disconnect printer from the PC by clicking 'Close Port'.

3. Bluetooth Interface settings

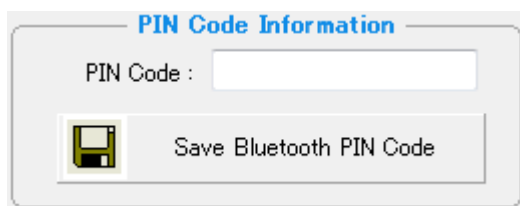
3-1. BT address and device name



Printer's Bluetooth unique address can be checked. by "Get Bluetooth Information",

Bluetooth device name can be changed by "Set Bluetooth Information" however if the firmware version is old and does not support this function, the message "Not supported..." is shown.

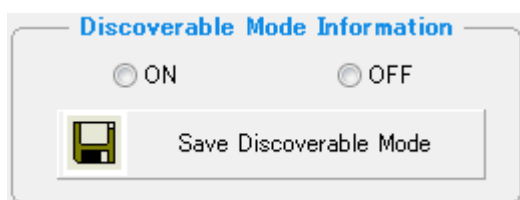
3-2. PIN Code Information



The dialog box is titled "PIN Code Information" in blue text. It contains a label "PIN Code :" followed by a text input field. Below the input field is a button with a floppy disk icon and the text "Save Bluetooth PIN Code".

You can register Bluetooth PIN Code by inputting PIN Code and execute "Save Bluetooth PIN Code"

3-3. Discoverable Mode Information



The dialog box is titled "Discoverable Mode Information" in blue text. It contains two radio buttons labeled "ON" and "OFF". Below the radio buttons is a button with a floppy disk icon and the text "Save Discoverable Mode".

When you set "Discoverable Mode" as ON, the printer can be detected by other Bluetooth devices (PDA, Smart Phone...) and when you set it as "Off", the printer can not be detected by other devices.

3-4. Auto Connection Settings



The dialog box is titled "Auto connection Settings" in blue text. It contains two buttons. The left button has a Bluetooth icon with a checkmark and the text "Enable auto connection". The right button has a Bluetooth icon with a red X and the text "Disable auto connection".


If the printer supports Auto connection setting of Bluetooth to iOS device and you want to disable the function or change back to enable the function, press Disbale/Enable buttons.

This does not work for the model which does not support Auto connection function.

4. Power Save/Auto Power Off Mode


Power Save Mode

None Power Save ▼ ? Minute

 Save Power Save Mode


Power Save Mode

None Power Save ▼ ? Minute

 Save Power Save Mode


Power Save Mode

Power Off Mode ▼ 1 Minute

 Save Power Save Mode

Power Save Mode Setting Information

The printer power will be off after 1 minute.

 OK

You can set the power save mode like “No Power Save”, “Power Save Mode” & “Power Off Mode” and you can set the waiting time to Power Save Mode.

Mode	Description
No Power Save	Do not use Power Save Mode
Power Save Mode	After the fixed time passes without working, the printer goes into Power Save Mode automatically.
Power Off Mode	After the fixed time passes without working, the printer power becomes off automatically.

5. Emulation settings

Emulation Settings

Get Emul

Get Emulation

CPCL

Set CPCL

Set CPCL

Set ESC/POS

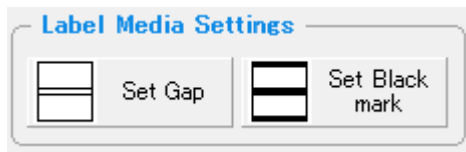
Set ESC/POS

Current emulation is shown by “Get Emulation”.

Press “Set CPCL” or “Set ESC/POS” to change the emulation. Printer’s power is turned off automatically.

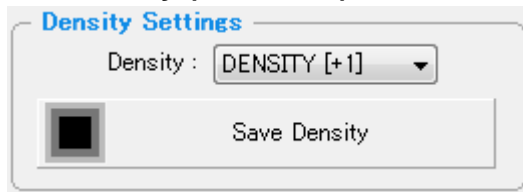
Following 3 settings are depending of the printer emulation and work only for either emulation.

5-1 Label Media Settings (CPCL)



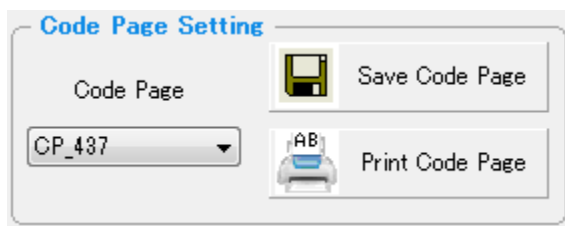
Media sensor can be set here for CPCL.

5-2 Density (ESC/POS)



Print density can be set in 5 grades between -1 to +3.

5-3 Codepage (ESC/POS)

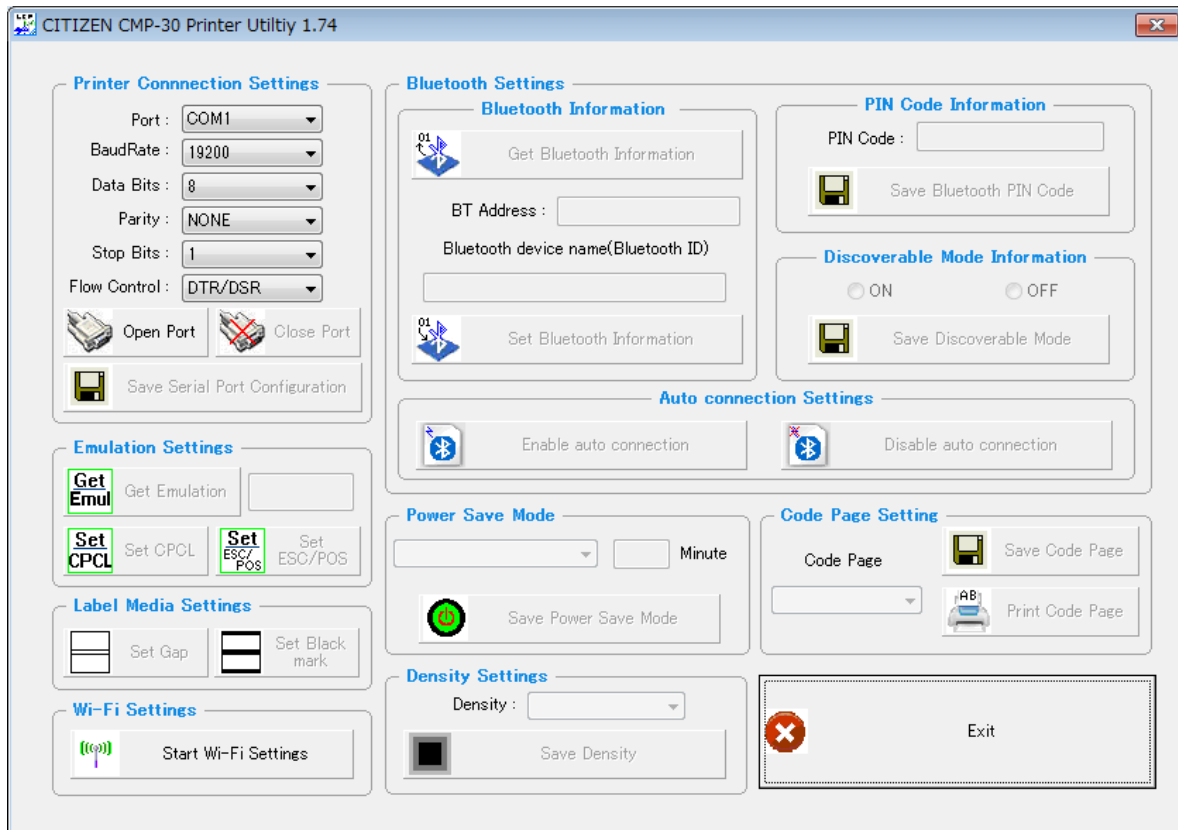


You can choose codepage and print the codepage data here.

6. Wi-Fi Interface setting screen



After Executing Utility, please click 'Start Wi-Fi Settings'.



6-1. Port Information

Port and Wi-Fi Information

Port Information

Port : **COM1** (dropdown menu showing COM1, COM2, COM3, COM4, COM5, COM6, COM7, COM8, COM9, USB, Wi-Fi)

Data Bits : **8**

Stop Bits : **1**

BaudRate : **19200**

Parity : **NONE**

Flow Control : **DTR/DSR**

MAC address : **SS**

Wi-Fi : **IP :**

Wi-Fi Information

Open Port

Get Wi-Fi Information

You can connect the printer to PC by Serial (COM1 – COM9), USB port or Wi-Fi..

Port Information

Port : **COM1**

BaudRate : **19200**

Data Bits : **8**

Stop Bits : **1**

Parity : **NONE**

Flow Control : **DTR/DSR**

If you use Serial Port, you have to check the BaudRate setting between the printer & PC.

Port Information

Port : **Wi-Fi**

Wi-Fi Search... Save...

If you choose Wi-Fi , press “Wi-Fi Search” and choose the MAC address of the printer in the right box.
(Remarks: WiFi interface is only to get the information and cannot be used for changing setting.)

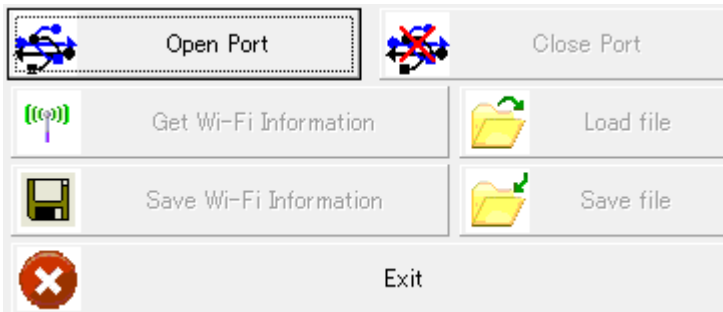
6-2. Wi-Fi setting configuration

Press “Open Port”.

Pic B means that printer and PC is connected.

(Press “Close Port” when you want to close the connection.)

When you click ‘Get Wi-Fi Information’, you can see current Wi-Fi information of the printer.



Pic. A



Pic. B

Example of loaded setting

Wi-Fi Settings Dialog

Port and Wi-Fi Information

Port Information

Port : USB BaudRate : 19200
 Data Bits : 8 Parity : NONE
 Stop Bits : 1 Flow Control : DTR/DSR

Wi-Fi Information

MAC address : 00:30:19:09:45:50
 SSID : 000D0B1A4004
 IP : 192.168.3.111
 NetMask : 255.255.255.0
 Gateway : 192.168.3.1
 DNS : 0.0.0.0

Wi-Fi Mode : infrastructure
 Wi-Fi Channel : 1 Auto
 Wi-Fi Encryption : 40 Bit
 Wi-Fi Authentication : Open System
 Using KEY ID : KEY ID 1

TCP Port Number : 9100

Progress :

KEY ID 1 : 54321EDCBA HEX
 KEY ID 2 : 0000000000 HEX
 KEY ID 3 : 0000000000 HEX
 KEY ID 4 : 0000000000 HEX

WPA Authentication

WPA Authentication : None Use WPA Encryption : None Use
 WPA Key :
 WPA Key is characters of 8 ~ 64 length.

After making necessary setting changes, press “Save Wi-Fi Information”. Then changed setting is saved in the printer.

Wi-Fi setting can be initialized by “Reset” in Pic B and recycle the power.

6-3. Wi-Fi Information

You can set SSID, IP, NetMask, Gateway and DNS value according to your network environment.

And you can configure

- Wi-Fi Mode (AdHoc or Infrastructure)
- Wi-Fi Channel
- Wi-Fi Encryption mode
- Wi-Fi Authentication mode
- Using KEY ID

If you want to use DHCP for IP address solution, choose DHCP.

Default port to use Wi-Fi communication is 9100. If you want to change the port, enter here.

TCP Port Number :

6-4. WPA Authentication

Our printer supports WPA PSK(TKIP) or WPA2 PSK(AES).