

## Revision History

Rev. No.	Released Date	Description
Rev. A3	August 31, 2012	<ul style="list-style-type: none"><li>• Page10 Add message alignment</li><li>• Page13 Add HID output setting</li></ul>
Rev. B1	July 1, 2016	<ul style="list-style-type: none"><li>• Page4 Modify steps for connecting Wi-Fi Scanner</li><li>• Page13 Modify HID output setting</li></ul>

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# About This Guide

## Overview

The WaveCentre is a useful Window-based wireless management utility together with an IP virtual COM software driver. Once you installed WaveCentre into your host machine, it can create a virtual COM port for each connected Wi-Fi scanner corresponding to its IP address. Then the Wi-Fi scanner will work as a local serial device of the remote host.

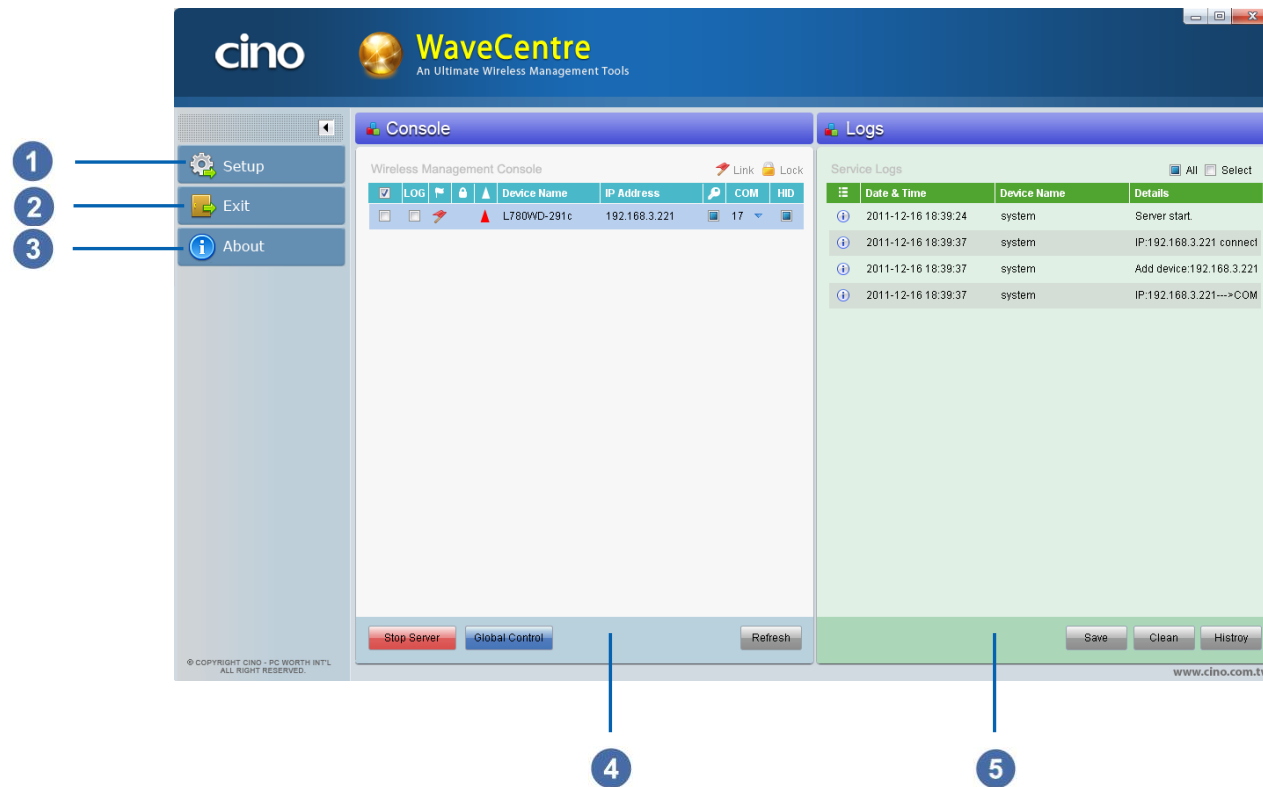
This document provides related information for using Cino Wi-Fi scanner together with WaveCentre.

## Chapter Descriptions

Topics covered in this guide are as follows:

- Chapter 1, Get Familiar with WaveCentre
- Chapter 2, Preparations before Use
- Chapter 3, Get Started


# Chapter 1: Getting Familiar with WaveCentre



- 1 Setup: You can make general settings of the WaveCentre and batch data file saving.
- 2 Exit: You can exit WaveCentre program.
- 3 About: You can review WaveCentre revision.
- 4 Console: You can perform WaveCentre specific functions.
- 5 Logs: You can review, clear and save logs of WaveCentre.

## Chapter 2: Preparation before Use

### Install and Set up WaveCentre

- 1 Make sure the WaveCentre software has been installed in your host machine properly.
- 2 Make sure to turn off the firewall of Windows/Access Point and turn on the communication listen port of your host machine to allow network connections.
- 3 Double click WaveCentre's icon  shown on the desktop to launch WaveCentre.
- 4 Enter **Setup** to configure the general settings.
  - Automatically run WaveCentre when Windows starts.  
By default, the WaveCentre will run automatically when Windows starts.
  - Automatically start server when WaveCentre launches.  
By default, the WaveCentre server will start automatically when WaveCentre launches.
  - Auto Refresh Interval  
By default, the server will refresh every 30 seconds automatically.
  - Comm. Listen Port  
By default, the communication listen port is set to 63000.
  - COM port bound to  
By default, the COM port is bound to IP address.

## Configure Wi-Fi Scanner

Please make sure to fully charge the scanner. Then power on and configure the scanner before connecting it to your remote host.




**Please refer to FuzzyScan Wi-Fi CORDLESSS Quick Start Guide for details.**

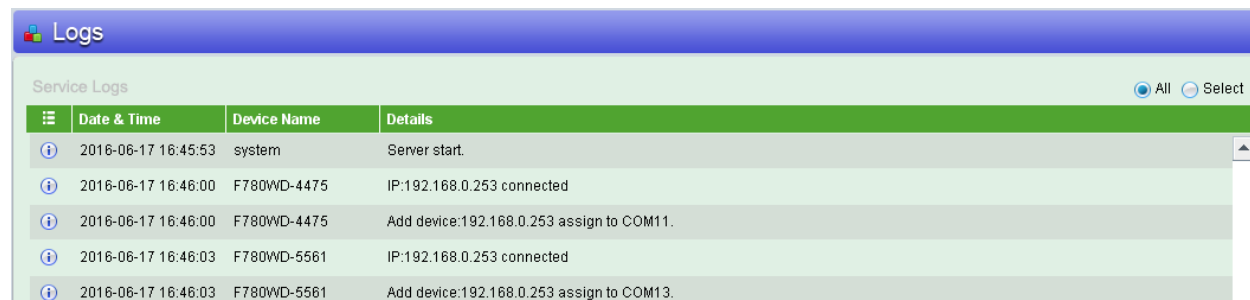
## Connect the Wi-Fi Scanner

Before you connect the Wi-Fi scanner to a remote host, you have to create a correct Wi-Fi profile for the Wi-Fi connection. There are two ways to create Wi-Fi profiles. The easy way is to use the scanner “**SETUP**” to create a new profile. If you want to create multiple profiles at the same time, you may consider using Cino FuzzyScan Wi-Fi PowerTool.

Once you collected all required information for network setting, please follow the steps below to establish the connection between the Wi-Fi scanner and the remote host.

- 1 Ensure the scanner is activated within radio range then enter “**SETUP**” from the Desktop main menu. Select “**Wi-Fi Settings**”, then enter “Remote Host” to complete the IP address of the remote host and the listen port.
- 2 Select “**Wi-Fi Profiles**”, then press “**New**” (L key) to add a Wi-Fi Profile. Select “**Auto Search**”, the scanner will perform “Searching” to find out all discoverable Access Points and Independent Wireless Hosts, then provide you a list. Select a suitable AP which is able to connect to your remote host then complete the profile setting.

- 3 Once you completed the Wi-Fi profile setting, the scanner will try to connect the remote host automatically. You will see the “**Connecting to .....**” screen, the scanner will give continuous short clicks and the link indicator of scanner will flash blue quickly during connecting process.
- 4 If your Wi-Fi setting is correct and there is no mistake during link process, the link process will be completed and you will hear 4 beeps in ascending tone. You will see the link indicator of scanner giving 1 blue blink per 2.5 seconds to indicate the scanner is in radio-connected state.
- 5 Once the scanner is connected to remote machine, you will see the device name and IP address of scanner shown on the console of WaveCentre. A red flag  icon will be displayed to indicate the scanner is connected to the host machine.



## Chapter 3: Getting Started





### Console

The screenshot displays the 'Console' window of the Wireless Management Console. The window title is 'Console' and the subtitle is 'Wireless Management Console'. In the top right corner, there are 'Link' and 'Lock' icons. The main area contains a table with columns for selection, LOG, status, Device Name, IP Address, search, COM, and HID. Three devices are listed: L780WD-6666, L780WD-291c (highlighted), and F798WD-3067. Below the table, there are numbered callouts 1 through 8 pointing to various UI elements. At the bottom of the window, there are three buttons: 'Stop Server' (callout 9), 'Global Control' (callout 10), and 'Refresh' (callout 11).

<input checked="" type="checkbox"/>	LOG				Device Name	IP Address		COM	HID
<input type="checkbox"/>	<input type="checkbox"/>				L780WD-6666	192.168.3.221	<input type="checkbox"/>	12	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>				L780WD-291c	192.168.3.221	<input type="checkbox"/>	11	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>				F798WD-3067	192.168.3.221	<input type="checkbox"/>	10	<input type="checkbox"/>

Callouts 1-5 point to the selection, LOG, status, Device Name, and IP Address columns respectively. Callouts 6-8 point to the search, COM, and HID columns respectively. Callout 9 points to the 'Stop Server' button, callout 10 to the 'Global Control' button, and callout 11 to the 'Refresh' button.




- 1 Global Control Options: You can check the box to choose the scanners which you desire to perform global remote control..
- 2 LOG: You can choose desired scanner's logs to be shown on Service Logs by selecting the check box, then choose "Select" shown on the upper right corner of the service logs. If you would like to see all scanners' logs, you don't have to check the box, but make sure the "All" shown on the upper right corner of the service logs is selected.
- 3 Link Status: A read flag icon  will be displayed to indicate the scanner is connected to the host machine.
- 4 Scanner Lock Status: A lock icon will be displayed  to indicate the scanner is remote locked.
- 5 COM Port Status: A red triangular pyramid icon  will be displayed to indicate the COM port is closed. A green triangular pyramid icon  will be displayed to indicate the COM port is open.
- 6 COM Port Binding Status: The different COM port might be assigned to the scanner when you rebuild the connection to the host machine. If you would like to bind the scanner to the same COM port, you can select the check box.
- 7 COM Port: This is the COM port assigned to the scanner.
- 8 HID Conversion: All incoming data will be converted as HID keyboard inputs if you enable this feature by selecting the check box.

- 9 Stop/Start Server: You can stop/start the server by clicking this button.
- 10 Global Control: You can perform the global control on the scanners you choose by clicking this button.
- 11 Refresh: You can refresh the server by clicking this button.

## Logs

You can see the selected scanners' logs from Service Logs.



The screenshot shows a web interface titled "Logs" with a sub-section "Service Logs". It features a table with columns for "Date & Time", "Device Name", and "Details". There are five log entries listed, each with an information icon on the left. The interface also includes a menu icon, a search icon, and radio buttons for "All" and "Select".

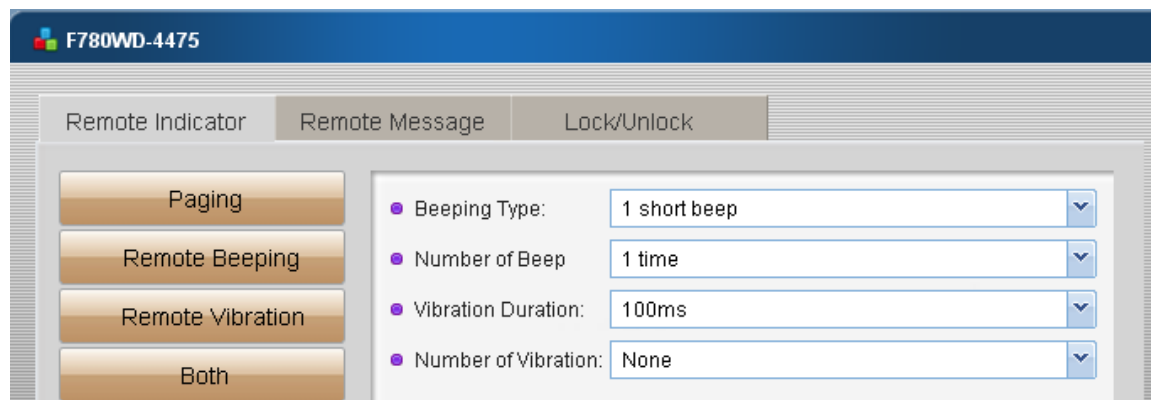
	Date & Time	Device Name	Details
i	2016-06-17 16:45:53	system	Server start.
i	2016-06-17 16:46:00	F780WD-4475	IP:192.168.0.253 connected
i	2016-06-17 16:46:00	F780WD-4475	Add device:192.168.0.253 assign to COM11.
i	2016-06-17 16:46:03	F780WD-5561	IP:192.168.0.253 connected
i	2016-06-17 16:46:03	F780WD-5561	Add device:192.168.0.253 assign to COM13.

## Remote Control

You can use the Remote Control commands to control the scanner(s) from the remote host either by left clicking the connected scanner's device name directly or clicking the "Global Control" button after you choose the scanner(s) desired to be remote controlled.

### Remote Indicator

This command allows you to page, send remote beeping, remote vibration or both beeping and vibration to the scanner(s) from the remote host.

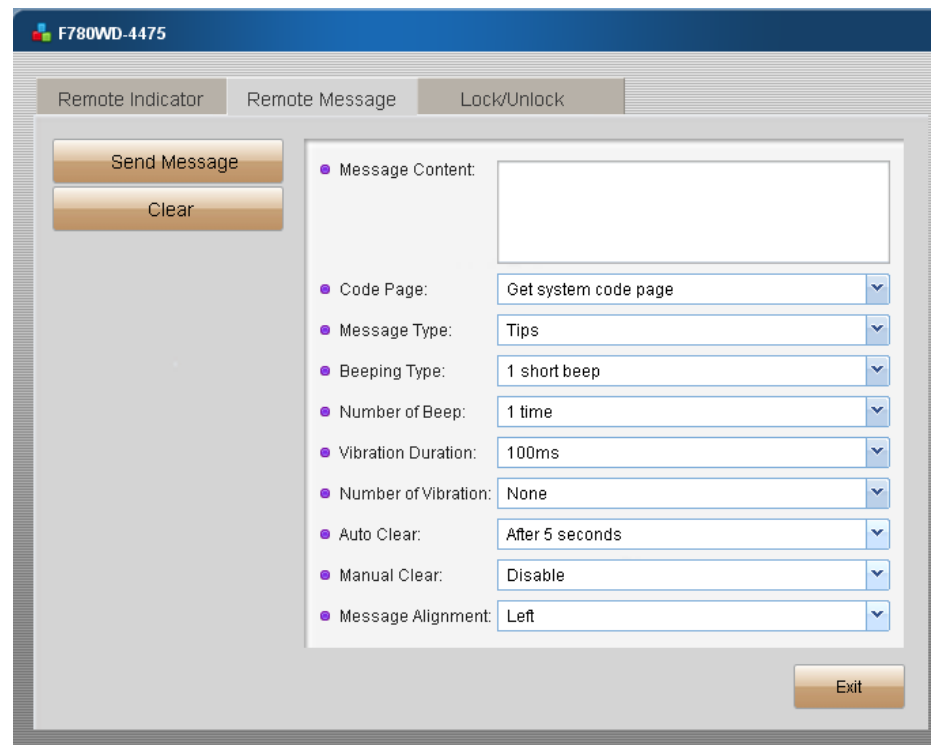


- 1 Paging: This paging function is helpful to locate the scanner. Once you clicked the "Paging" button, the scanner will give 6 "Di-Do-Di-Do" paging sounds.
- 2 Remote Beeping: You can set up the beeping type and the number of beep first, then click the "Remote Beeping" button to send the remote beeping to the scanner(s).

- 3 Remote Vibration: You can set up the vibration duration and the number of vibration first, then click the “Remote Vibration” button to send the remote vibration to the scanner(s).
- 4 Both: You can set up the beeping type, number of beep, vibration duration and number of vibration first, then click the “Both” button to send the remote beeping and remote vibration to the scanner(s).

## Remote Message

This command allows you to send remote message together with remote beeping and vibration to the scanner(s) from the remote host.



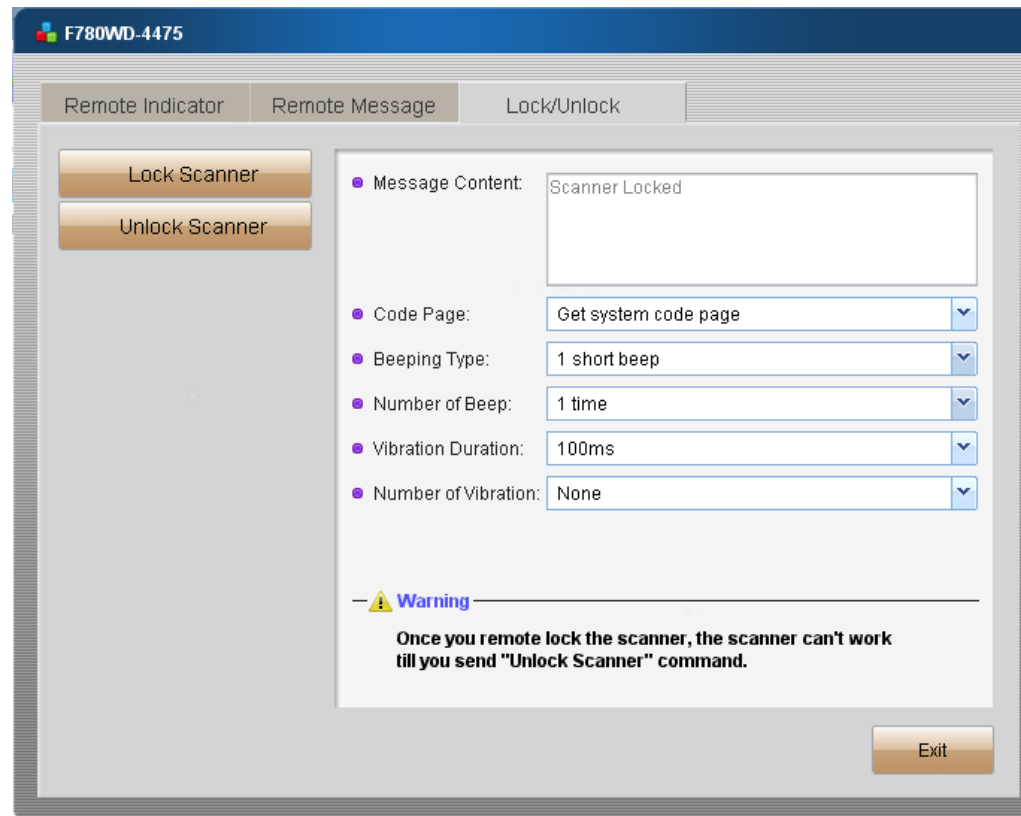
The screenshot displays the 'Remote Message' configuration window of the F780WD-4475 software. The window has three tabs: 'Remote Indicator', 'Remote Message', and 'Lock/Unlock'. The 'Remote Message' tab is active. On the left side, there are two buttons: 'Send Message' and 'Clear'. The main area contains a list of configuration options, each with a radio button and a dropdown menu:

- Message Content: [Empty text box]
- Code Page: Get system code page
- Message Type: Tips
- Beeping Type: 1 short beep
- Number of Beep: 1 time
- Vibration Duration: 100ms
- Number of Vibration: None
- Auto Clear: After 5 seconds
- Manual Clear: Disable
- Message Alignment: Left

An 'Exit' button is located at the bottom right of the window.

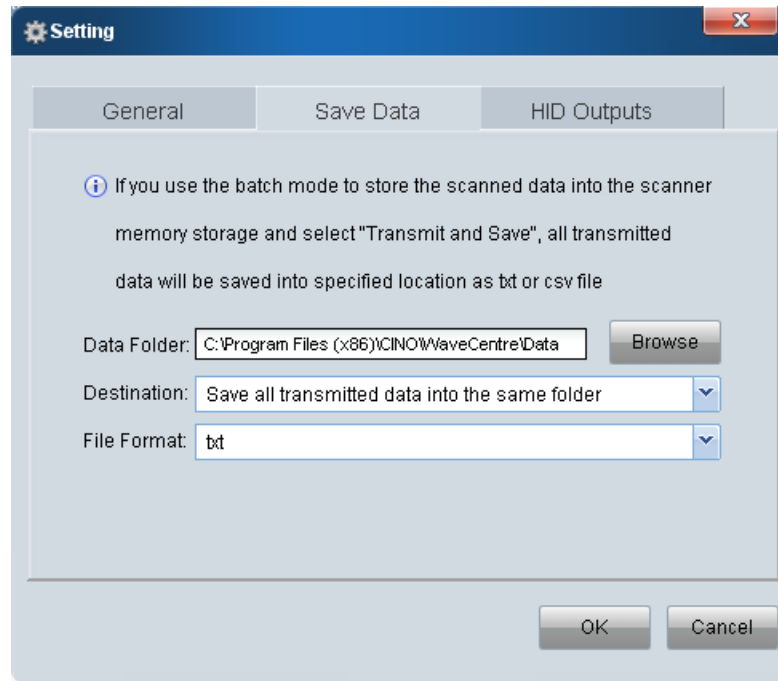
## Lock/Unlock

You can use this command to lock or unlock the scanner(s) remotely. Once you locked the scanner(s), the scanner can't work till you send unlock command.



## Save Batch Data

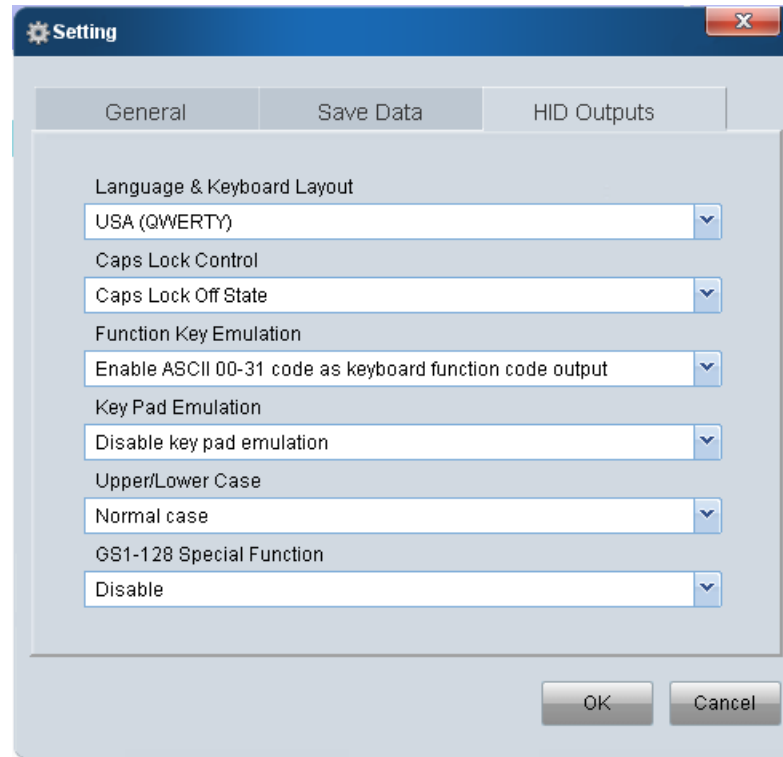
For batch scanning, all data transmitted via Wi-Fi interface can be saved as TXT or CSV file into your desired destination (folder) of the remote machine. Please enter **Setup**, and then go to “**Save Data**” to configure related settings.



- Data Folder: You can save the transmitted batch data file into your designated folder.
- Destination: You can save the transmitted batch data file into the same folder, the subfolder by device or the subfolder by date.
- File Format: You can save the transmitted batch data file as TXT or CSV file.

## HID Outputs

Please enter **Setup**, then go to “**HID Outputs**” to configure USB HID Outputs related settings as follows.



- Language & Keyboard Layout
- Caps Lock Control
- Function Key Emulation
- Key Pad Emulation
- Upper/Lower Case
- GS1-128 Special Function