



AsReader Gun-Type Long Range BCR

ASR-R202G

ObjectiveC DemoAPP User Manual

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Perface

This document describes the correct operation method of Demo APP LongRange2D. Be sure to read it carefully before using it.

If you have any comments or questions about this manual, please contact us through the following ways.

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About DemoAPP LongRange2D

LongRange2D DemoApp (hereinafter referred to as "DemoAPP") is an application that customers can use together with our company's ASR-R202G barcode reader devices (hereinafter referred to as "AsReader").

Please download this application from AppStore, the search keyword is "LongRange2D". Or you can scan the following QR code to download.



1. Page Description

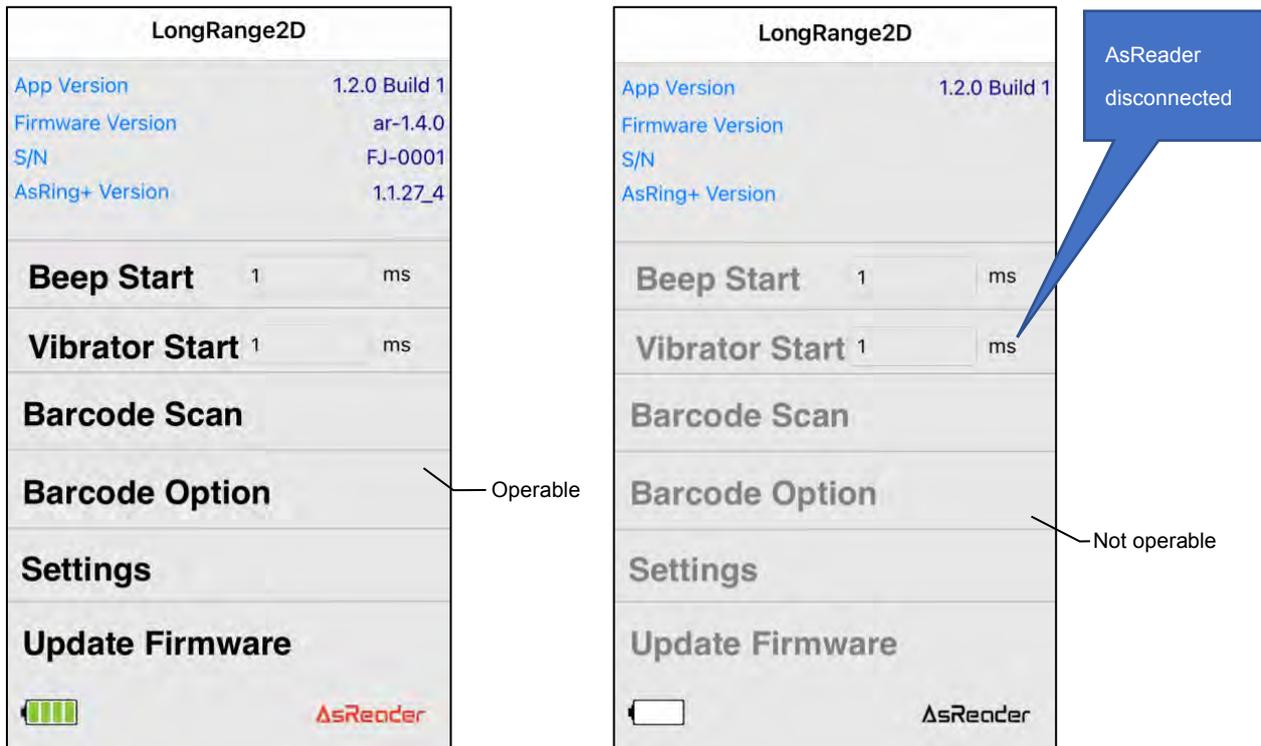
The screenshot shows the 'LongRange2D' application interface. It features a list of system information, control buttons, and a battery indicator. Callouts provide detailed descriptions for each element:

Element	Description
App Version	Version of the DemoAPP
Firmware Version	Firmware version of the AsReader
S/N	Serial number of the AsReader
AsRing+ Version	FW version of the AsRing+
Beep Start	AsReader buzzer test
Vibrator Start	AsReader vibrator test
Barcode Scan	Go to scan 1D and 2D barcodes
Barcode Option	Go to set the 1D/2D barcode types that allow the AsReader to scan
Settings	Go to the setup page of the AsReader
Update Firmware	Go to the Firmware update page of the AsReader
Battery Icon	Remaining battery of AsReader

2. How to Connect

Once the phone is successfully connected to AsReader, AsReader will beep, and AsReader's LED light will change from flashing to regular light, and DemoAPP displays the following page.

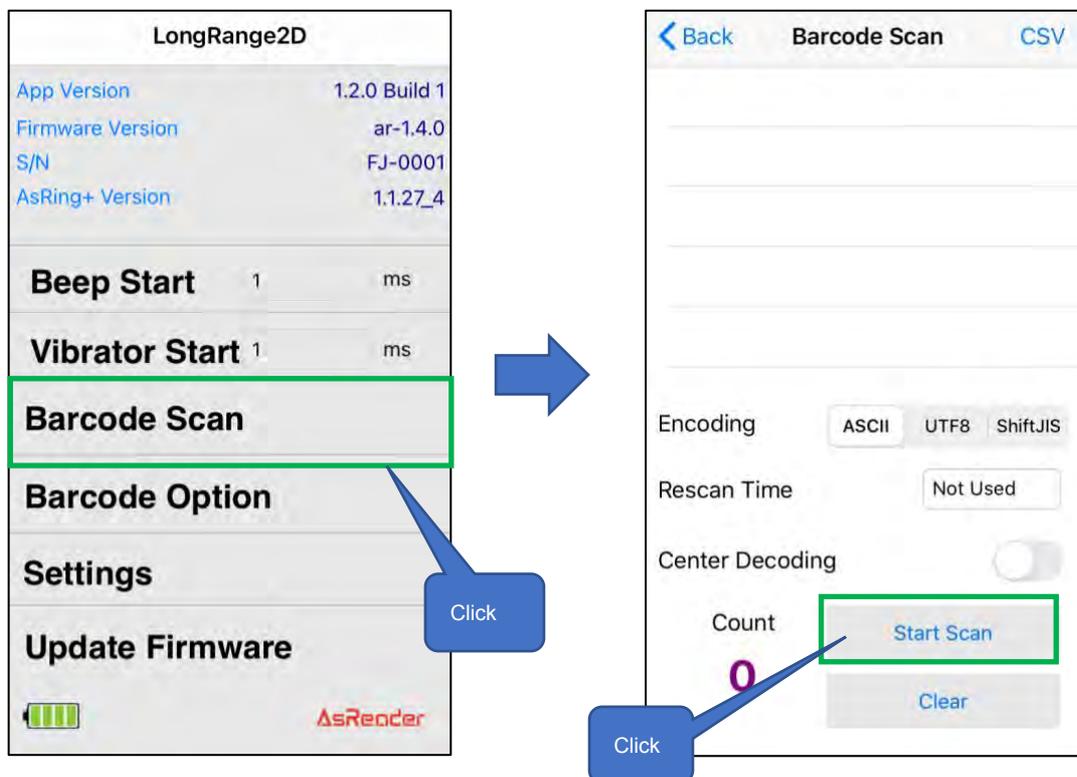
※ DemoAPP cannot be operated when the phone is disconnected from the device. If unable to connect, please refer to the operation manual of AsReader device.



3. How to Operate

3.1. 1D&2D Barcodes Scan

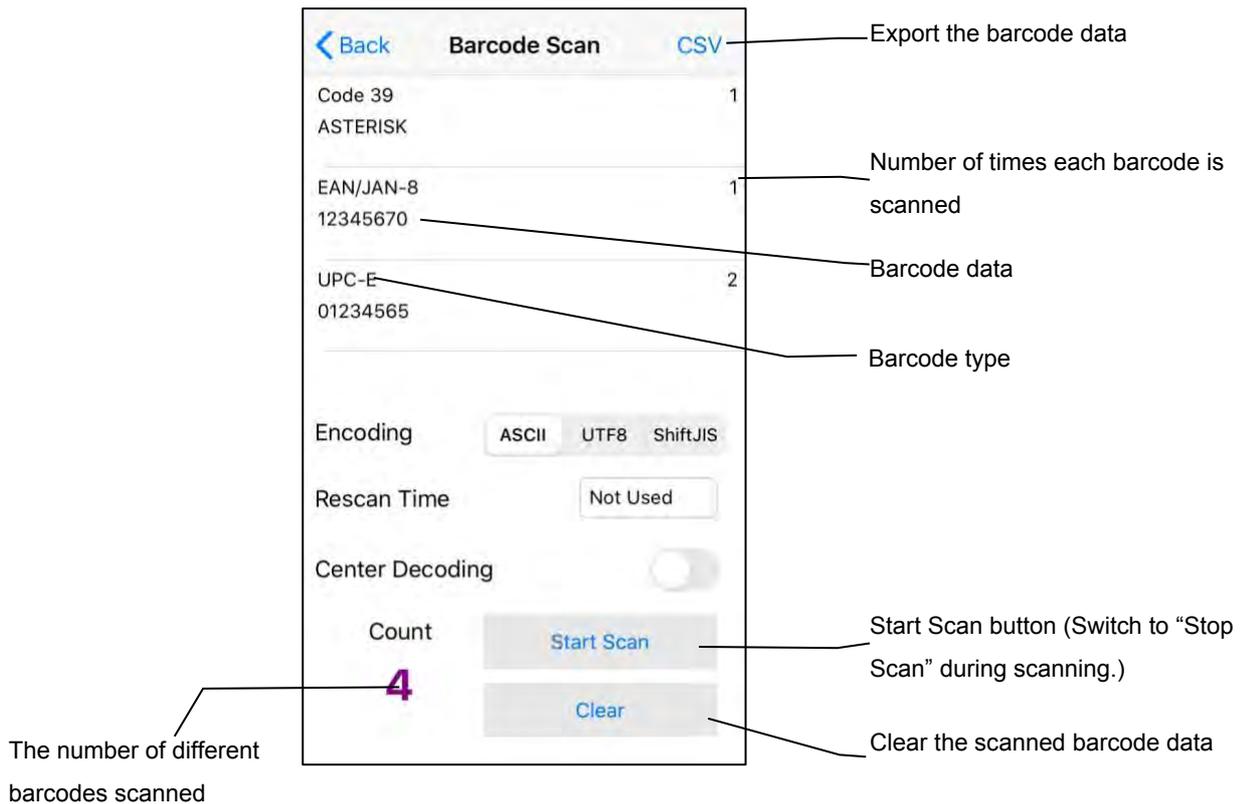
- ① Click "Barcode Scan" at the bottom of the left page, and then click "Start Scan" shown in the right page to scan 1D and 2D Barcodes. Pressing the Trigger button of AsReader can also scan.



- ② Click the "Start Scan" button on DemoAPP, and the LED/ laser light will light up, but if no barcode is scanned within timeout time, the LED/ laser light will go out. Once a barcode is successfully scanned, the scan is stopped. In the continuous scan mode, AsReader will perform a continuous scan since clicking the "Start Scan" button (or pressing Trigger button), and it won't stop till clicking the "Stop Scan" button (or releasing Trigger button).

※ During continuous scanning, the "Start Scan" button will appear as "Stop Scan". (For the settings of continuous scanning, please refer to [3.2 Barcodes Scan Settings](#))

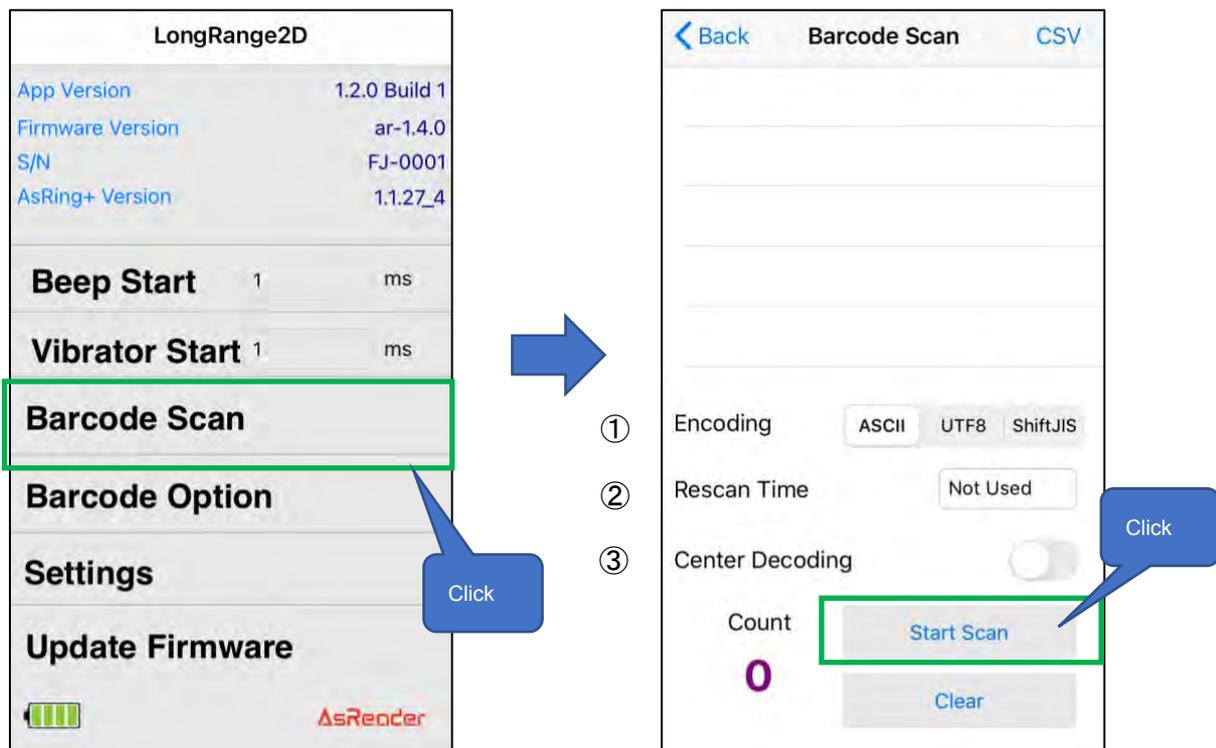
③ After performing the scan, the 1D and 2D barcode scanned will be displayed on the page.



3.2. Barcodes Scan Settings

3.2.1. Barcode Scan

Click "Barcode Scan" on the menu page to Scan the Barcode and set the scanning conditions.



① Encoding

There are three encoding types to select from: ASCII, UTF8, Shift JIS.

② Rescan Time

Continuous scanning is supported and the time interval between two consecutive scans can be set. If you select "Not Used", the continuous scanning function will be turned off.

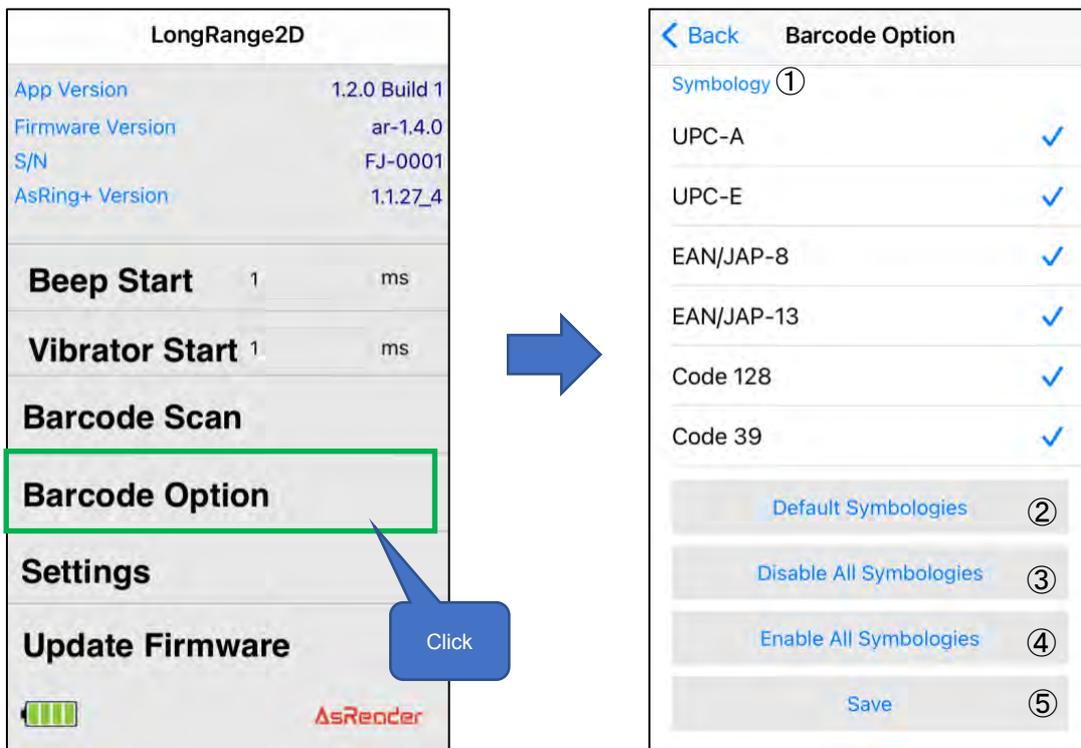
This setting is saved in DemoAPP.

③ Center Decoding

This function can adjust the scanning range. When enabled, the scanning range is narrowed and the scanning accuracy is improved. Only the barcode aimed at by the red dot of the aiming light can be scanned.

3.2.2. Barcode Option

Click "Barcode Option" at the bottom of the left page to select the Barcode type that AsReader is allowed to scan.



① Symbology

Click to select the barcode types that allows/does not allow scanning.

② Default Symbologies

Restore the barcode types setting to factory setting.

Default enabled barcode types: UPC-A, UPC-E, EAN/JAP-8, EAN/JAP-13, Code 128, Code39, Code93, Interleaved 2 of 5, Codabar, PDF 417, Data Matrix, MaxiCode, QR Code, Aztec Code, GS1-128, GS1 Databar (RSS-14).

③ Disable All Symbologies

After clicking it, all barcode types in the “①Symbology” list will be deselected.

④ Enable All Symbologies

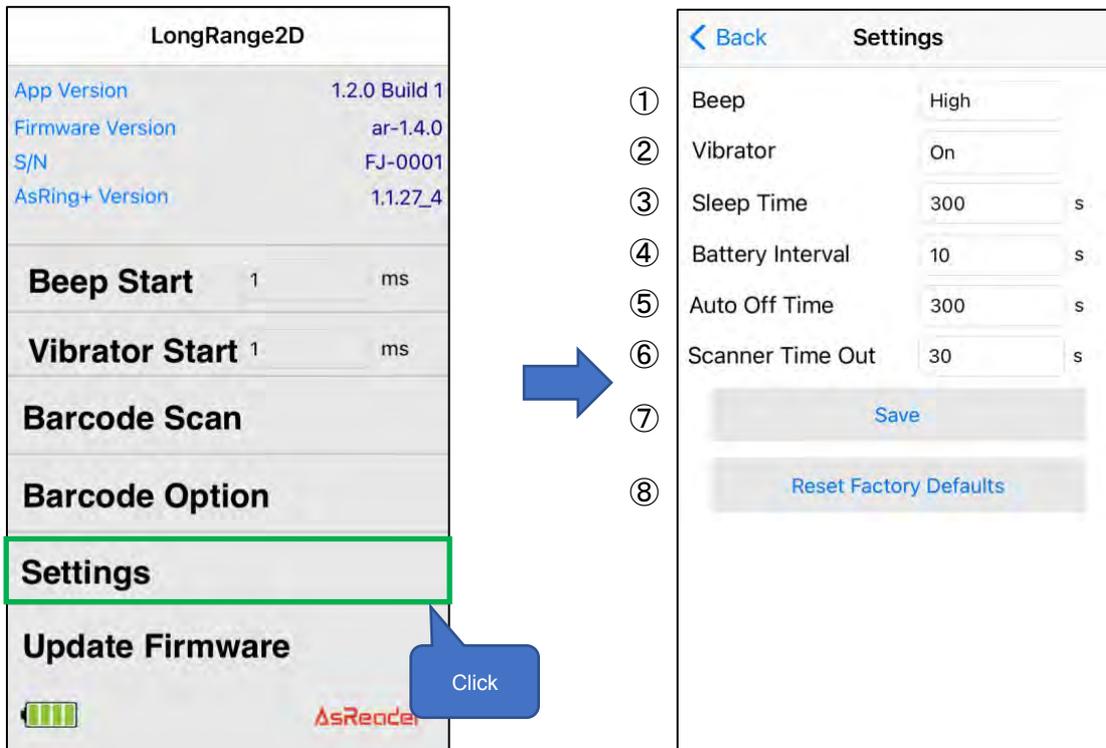
After clicking it, all barcode types in the “①Symbology” list will be selected.

⑤ Save Symbologies

After performing any of the above settings, click this button to save it. This setting will be saved to DemoAPP.

3.3. AsReader Settings

Click "Settings" on the left page to set the AsReader.



① Buzzer

Sets the buzzer on/off and volume.

When it is turned on, AsReader will beep at the set volume at the following cases:

- When AsReader is turned on or off,
- When the phone and AsReader connect successfully,
- When AsReader scans 1D and 2D barcodes.

② Vibrator

Sets the vibrator on/off.

When it is turned on, AsReader will vibrate at the following cases:

- When AsReader is turned on or off,
- When the phone and AsReader connect successfully,
- When AsReader scans 1D and 2D barcodes.

③ Sleep Time

Sets the time you want AsReader to go to sleep.

④ Battery Interval Time

Sets the interval at which AsReader sends battery information to DemoAPP.

⑤ Auto Off Time

Sets the automatic shutdown time for AsReader.

- It is a period between when AsReader goes to sleep and when the power is turned off.

⑥ Scanner Time Out

Sets the AsReader scan timeout.

⑦ “Save” button

After doing the above settings, you need to click the "Save" button to save the settings.

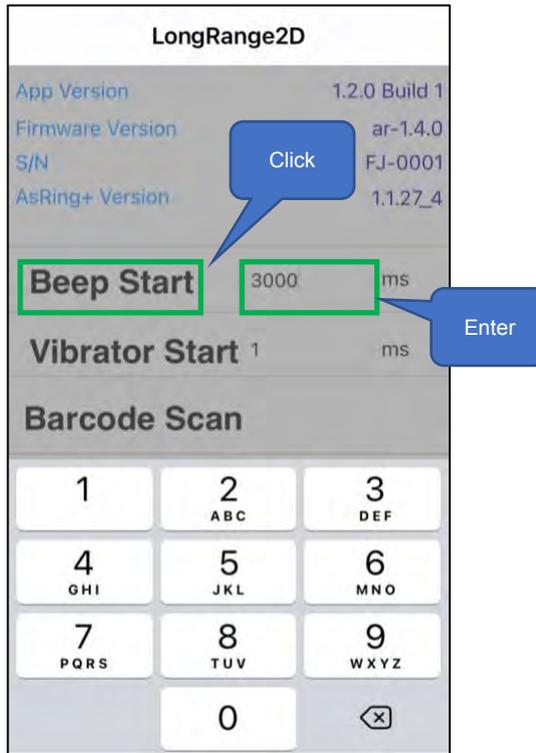
Settings ①~⑥ are saved to the DemoAPP.

⑧ “Reset Factory Defaults” button

Click this button to restore all settings to factory settings and the barcode type allowed to scan to default.

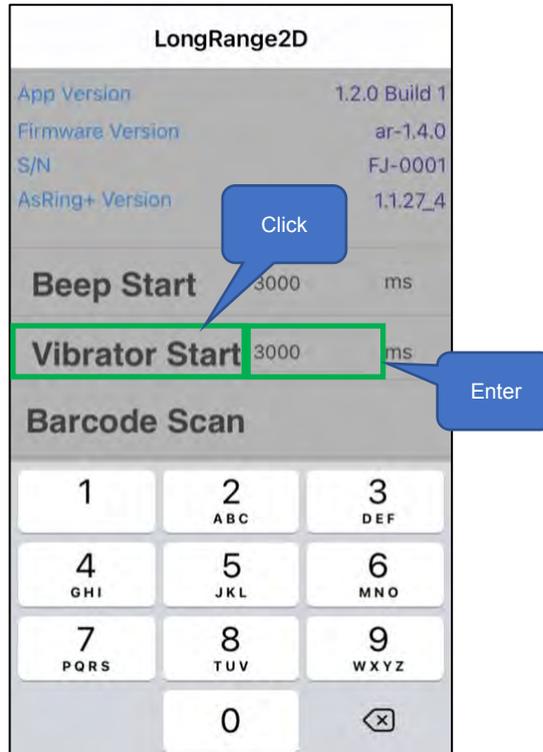
3.4. AsReader Buzzer Test

Click the Buzzer Start text box on the page, for example: Enter 3000ms → Click "Buzzer Start", the AsReader will beep for 3 seconds.



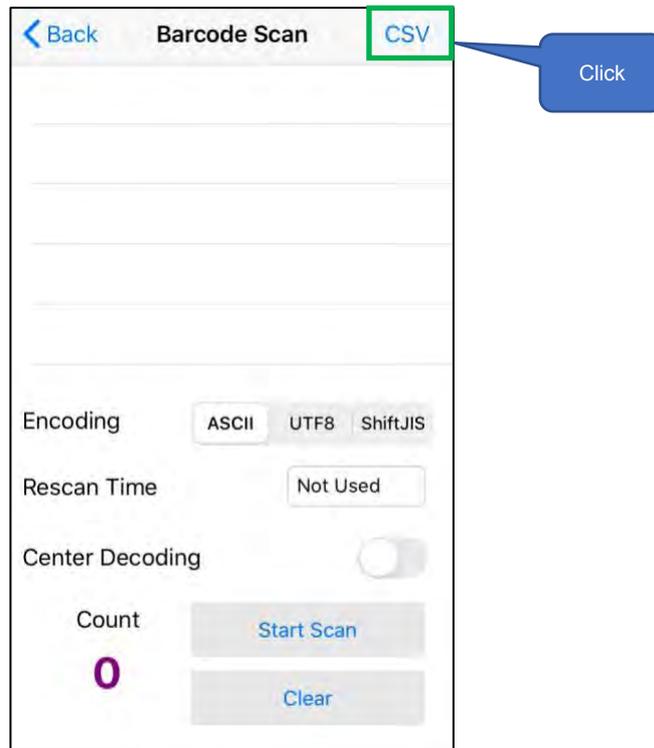
3.5. AsReader Vibrator Test

Click the Vibrator Start text box on the page, for example: Enter 3000ms → Click "Vibrator Start", the AsReader will vibrate for 3 seconds.



3.6. Barcode Export

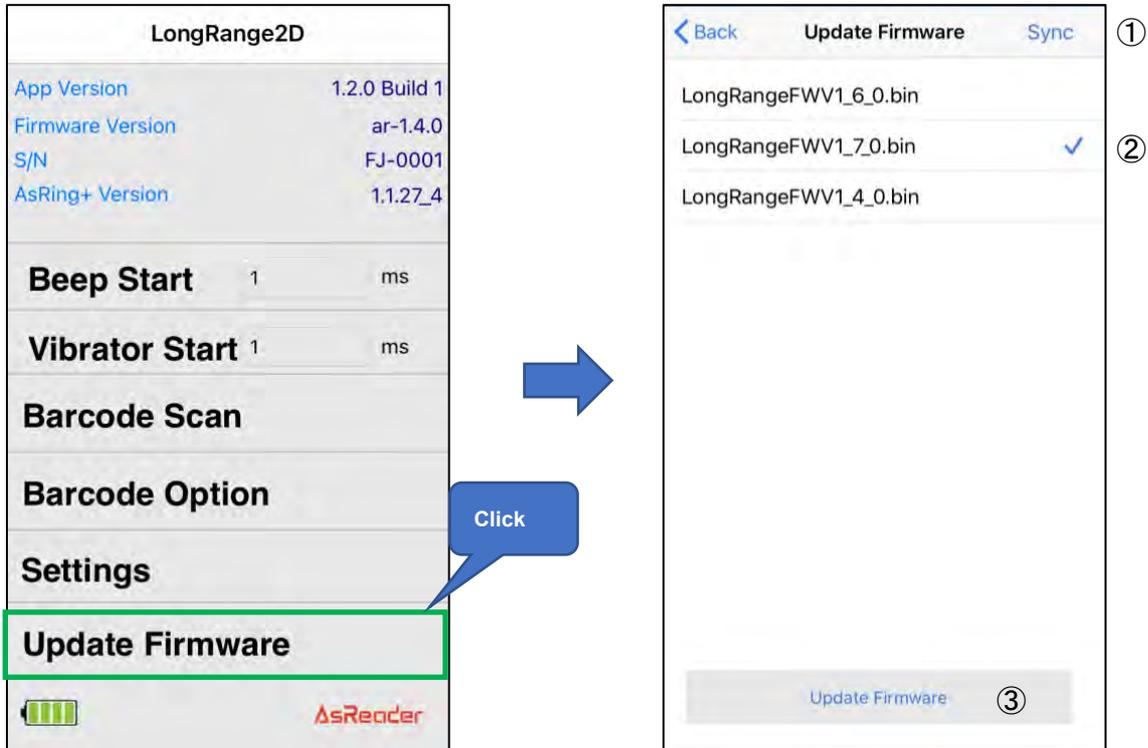
Every time you click the "CSV" button, you can save the scanned barcode data as a CSV file in the application. These CSV files can be exported via iTunes.



- ① Click the "CSV" on the upper right of the Barcode Scan page.
- ② Connect the phone to a PC via a Lightning cable and start iTunes. Then the CSV files saved in the application can be exported via iTunes.

3.7. Firmware Update

Click "Update Firmware" on the left page to update the firmware of your AsReader device.



- ① Click "Sync" to download the latest firmware files from the server.
- ② Click to select the firmware file to be updated to.
- ③ Click the "Update Firmware" button to start updating.

Demo App

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