

FUZZYSCAN FAMILY

Quick Start Guide II

FUZZYSCAN
BARCODE SCANNER

cino

About This Guide

Thank you for choosing Cino's FuzzyScan corded handheld imagers. Powered by Cino's exclusive imaging technology, rich features, and diverse functions, these imagers built to boost productivity and improve user experience.

This quick start guide serves as a quick reference for imager installation and operation. The complete documentation is available at www.cino.com.tw.

Applicable Models

800 Series Ultra-Rugged Corded Imagers

2D A890

1D F890

2D 1D & 2D Imagers

1D 1D & PDF Imagers

700 Series Enterprise Corded Imagers

2D A790, A790 HC, A780, A780 HC, A770

1D F790, F790 HC, F780, F780 HC, L780, L780 HC

600 Series Commercial Corded Imagers

2D A690, A680, A670

1D F680, L680

500 Series Stylish Corded Imagers

2D A570

1D F560

- ▶ Healthcare (HC) models are indicated in "Gray".
- ▶ Direct-Part-Marking (DP), Ultra-High-Density (XD), High-Density (HD) and Standard-Range (SR) models are available on each corresponding imager. Please visit www.cino.com.tw for details.

Applicable Kits

FuzzyScan corded handheld imagers are available in various sales kits with corresponding interface cables and accessories, as well as a **Combo Kit** that includes a US100 hands-free smart stand.

Useful Features

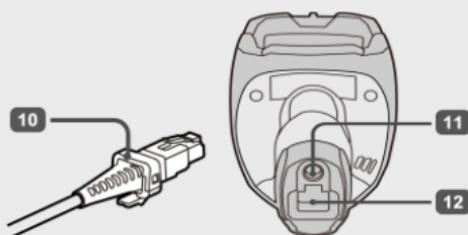
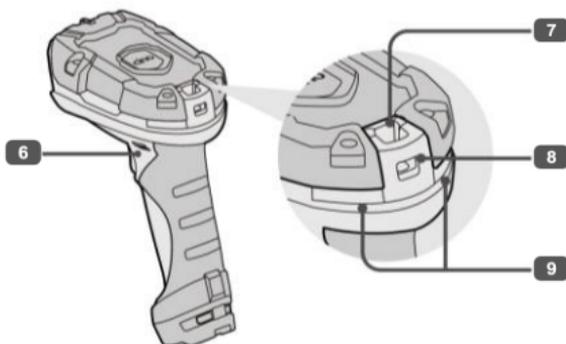
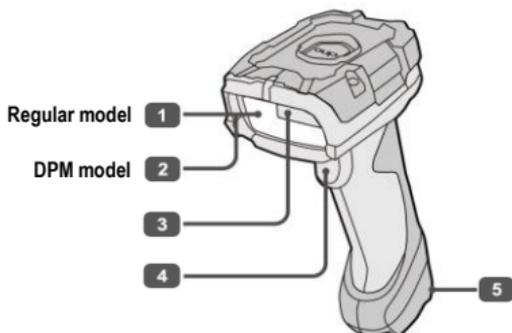
To enhance user experience and usability, FuzzyScan handheld imagers provide a collection of unique features called **FuzzyScan DNA**, including DataWizard, iCode, Multilingual Edge, Smart Scene and Security Plus.

For 800 series and healthcare (HC) models, a built-in vibration function is enabled by default to provide tactile feedbacks. An optional vibration function is also available for other handheld imagers.

Getting Familiar with Your Imager

800 Series

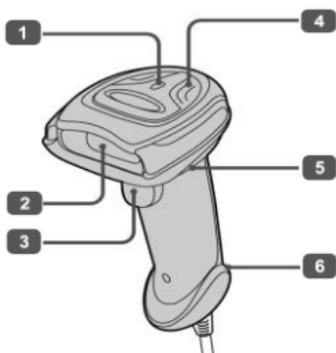
A890, F890



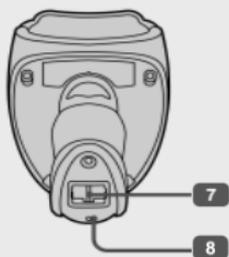
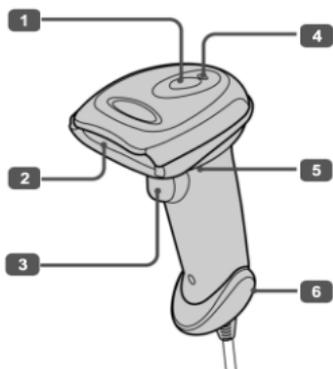
- | | | |
|----------------------------|---------------------------|--------------------|
| 1 Window Chassis (Gray) | 2 Diffuser (Trans. White) | 3 Scan Window |
| 4 Trigger | 5 End Cap | 6 Beeper |
| 7 Power Indicator | 8 Hanger Bracket | 9 Status Indicator |
| 10 Waterproof Sealing Lock | 11 Screw | 12 Interface Port |

700 Series

A790, A780, A770



F790, F780, L780



1 Power Indicator

4 Status Indicator

7 Interface Port

2 Scan Window

5 Beeper

8 Cable Release Hole

3 Trigger

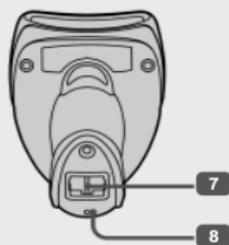
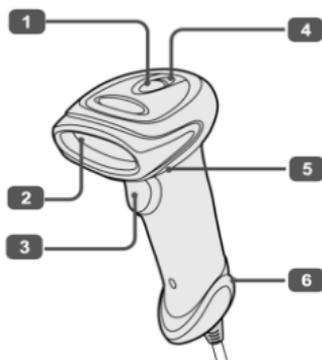
6 End Cap

600 Series

A690, A680



A670, F680, L680



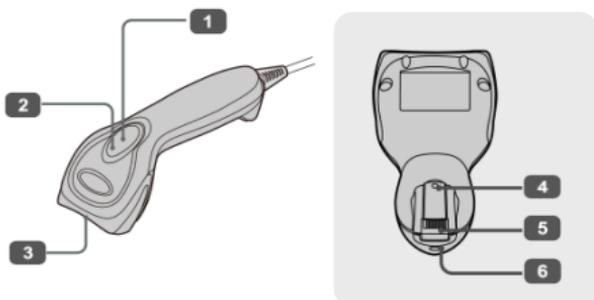
- 1** Power Indicator
- 4** Status Indicator
- 7** Interface Port

- 2** Scan Window
- 5** Beeper
- 8** Cable Release Hole

- 3** Trigger
- 6** End Cap

500 Series

A570, F560



1 Power / Status Indicator

2 Trigger

3 Scan Window

4 Cable Release Hole

5 Interface Port

6 Beeper

US100 Smart Stand



700 series



600 series

Universal Holder



600 series



500 series

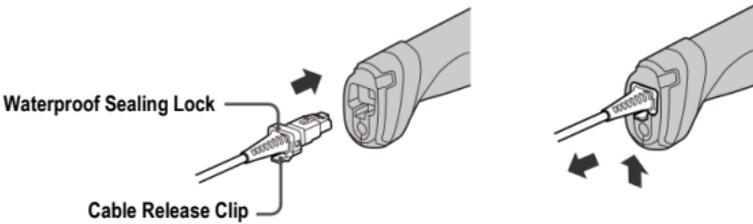
Preparations before Use

Installing Your Cable

FuzzyScan corded imager supports both **USB** and **RS232** interface cables. Once the appropriate interface cable is selected, refer to the details below on how to install the interface cable to your imager.

800 Series

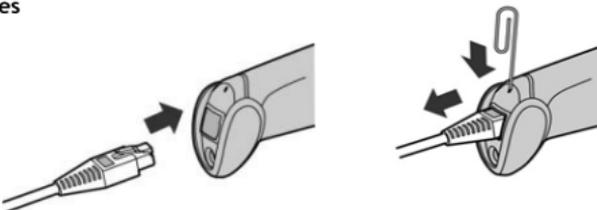
Before you start, note that a waterproof sealing lock is pre-attached to the RJ50 connector of the cable. Plug the RJ50 connector into the interface port of your 800 series corded imager, then push and flatten the waterproof sealing lock. Tug the cable a few times to ensure it is securely connected to your corded imager. To remove the cable, press and hold the release cap on the waterproof sealing lock, then pull the cable out.



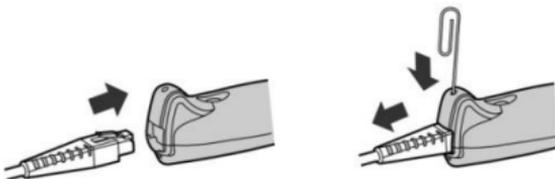
700, 600 & 500 Series

Plug the RJ50 connector into the interface port of your corded imager until a click is heard. Tug the cable a few times to ensure it is securely connected to your corded imager. To remove the cable, insert the straightened end of a paper clip into the release hole, press and hold the paper clip down on the locking tab, then pull the cable out.

700 & 600 Series



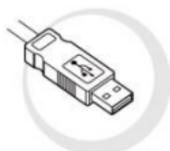
500 Series



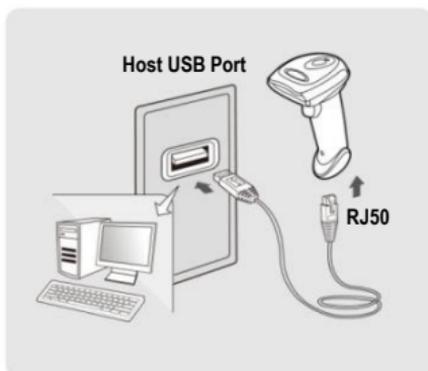
Connecting to the Host

Once the appropriate interface cable is installed to your imager, refer to the corresponding illustration below to connect your imager to the host.

USB Cable



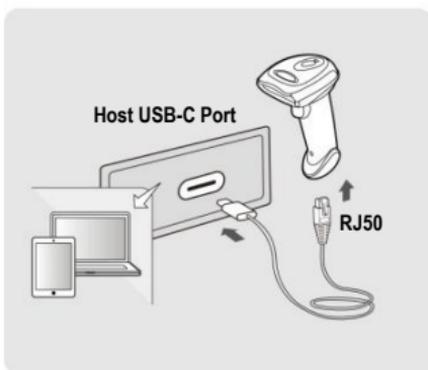
USB-A Connector



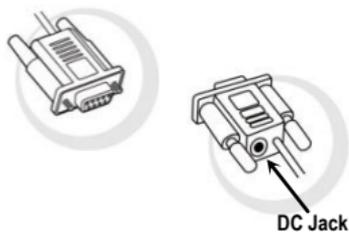
USB-C Cable



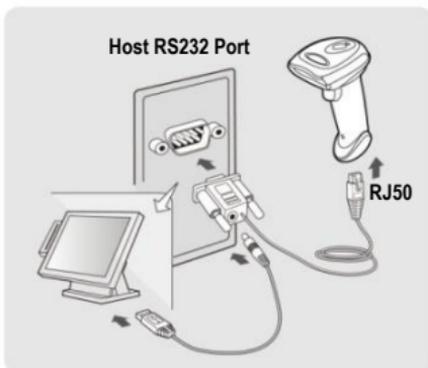
USB-C Connector



Standard RS232 Cable



D-Sub Female 9P Connector
with DC Jack



Using Keyboard Interface

The corded imager works as a generic USB keyboard in **USB HID Mode** by default. You can enable Data Merge through **USB HID Turbo Mode** to get a faster data transmission.



USB HID Mode ▲



USB HID Turbo Mode

Keyboard Record Suffix



NONE



RETURN ▲



ENTER (Numeric Keypad)



SPACE



TAB

Keyboard Country Layout



USA (QWERTY) ▲



Latin America
(QWERTY)



UK (QWERTY)



France (AZERTY)



Netherland
(QWERTY)



Japan (DOS/V)



Germany (AZERTY)



Canadian French
(QWERTY)



Denmark (QWERTY)



Czech (QWERTY)



Spain (QWERTY)

Keyboard Country Layout *continued*



Italy (QWERTY)



Norway (QWERTY)



Portugal (QWERTY)



Iceland (QWERTY)



Thai (Kedmanee)



Sweden/Finland
(QWERTY)



Arabic101 (QWERTY)



Vietnamese
(QWERTY)



Swiss German
(QWERTY)



Russian (QWERTY)



Polish (QWERTY)



Belgium (AZERTY)



Universal

If the “**Universal**” layout is selected, the scanned data will be sent as a sequence of “**Alt Code**” outputs. Please note that the “**Universal**” layout only works properly under Microsoft Windows hosts.

Multilingual Edge 2D Imagers Only

With **Multilingual Edge**, FuzzyScan imagers can output data in multiple different languages. For more details on comprehensive multilingual support, please refer to the **FuzzyScan Barcode Programming Manual**.

Using Serial Interface

By using the corresponding cable, you may switch your corded imager to work as a serial device via **USB COM** or standard **RS232 Serial**.



USB COM ▲



RS232 Serial

Serial Record Suffix



None



CR ▲



LF



TAB



CRLF



SPACE

Baud Rate RS232 Serial models only



19.2K BPS



9600 BPS ▲



38.4K BPS



115.2K BPS



2400 BPS

Data Frame RS232 Serial models only



8, None, 1 ▲



8, None, 2



8, Even, 1



8, Odd, 1



8, Space, 1



7, Odd, 1



7, Even, 1



7, Space, 2

Using Your Imager

Operation Modes

To help users save time and effort when performing their tasks, Cino's imagers can be set to a number of pre-defined operation modes that contain particular functionalities for fulfilling stringent requirements across diverse retail and industrial sectors.

When **Trigger Mode** is selected, press the trigger to scan the barcode. Once the trigger is pressed, the imager will perform a single scan. The scanning process will terminate upon a good read, decode timeout, or trigger release. Press the trigger to activate the next scanning process.



Trigger Mode ▲

When **Multiple Read Mode** is selected, press and hold the trigger to scan multiple barcodes continuously. The imager will beep after each successful scan. Upon decode timeout or trigger release, the imager will switch to the idle state. Press the trigger to activate the next scanning process.



Multiple Read Mode

When **Presentation Mode** is selected, the preset background lighting of the imager will automatically turn on for barcode detection. The scanning process will automatically activate upon detecting a moving object within its field of view. Press the trigger to switch to Trigger Mode.



Presentation Mode

System Commands

System command barcodes direct the FuzzyScan imagers to perform specific functions. For **Factory Default**, **Save User Default** and **User Default**, the users have to wait a few seconds for the completion beep before scanning another barcode.

Show all details of your corded handheld imager.



Change configurations to user default settings.



Restore programmable configurations to factory default settings.



Save user-defined configurations as user default settings.



Connect your imager to the Cino PowerTool utility for firmware upgrades, configuration settings and other advanced settings.



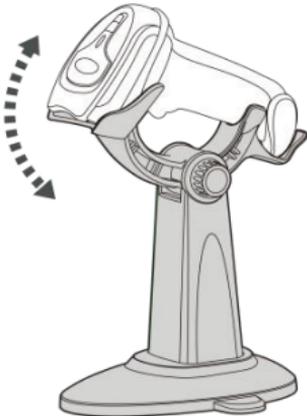
iTune

For Direct-Part-Marking (DP) and Ultra-High-Density (XD) models, the iTune is a smart-tuning function for optimization of readability. Scan the “**Enable iTune**” command barcode to activate the tuning process. The tuning result will be automatically saved and applied to the proceeding scanning processes. If you want to restore to factory preset settings, scan the “**Clear iTune**” command barcode accordingly. For more details, please refer to the user manual.

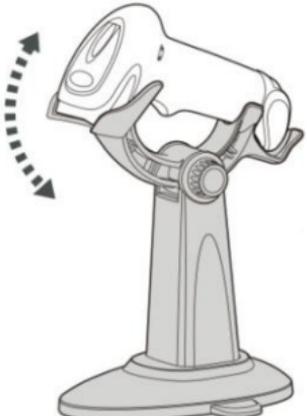


Working with Smart Stand

Cino's US100 Smart Stand is designed with an adjustable mechanism for hands-free applications at different angles. By using the US100 Smart Stand with your imager, the **Auto-Sense** function will automatically switch your imager to **Presentation Mode** when it is placed on the Smart Stand. Once the imager is removed from the Smart Stand, the imager will remain in Presentation Mode. Press the trigger to switch to **Trigger Mode**.



700 Series



600 Series

Presentation Sensitivity

In Presentation Mode, barcodes may not be detected due to insufficient ambient light. Choose higher levels of **Presentation Sensitivity** to improve barcode detection if needed.



Level 2



Level 1



Level 3



Level 5 ▲



Level 4



Level 6



Level 7

Status & Indications

800 Series

Imager Status	Status Indicator	Beep
Power on	Active Blue	Power-on beeps
Good read	1 Green blink	1 beep
Configuring	Active Red	Off
Upgrading	Active Red	Short clicks

700 Series

Imager Status	Status Indicator	Beep
Power on	Active Blue	Power-on beeps
Good read	1 Green blink	1 beep
Configuring	Active Red	Off
Upgrading	Active Red	Short clicks

600 Series

Imager Status	Status Indicator	Beep
Power on	Active Blue	Power-on beeps
Good read	1 Green blink	1 beep
Configuring	Active Red	Off
Upgrading	Active Red	Short clicks

500 Series

Imager Status	Status Indicator	Beep
Power on	1 Blue blink	Power-on beeps
Good read	1 Blue blink	1 beep
Configuring	Active Blue	Off
Upgrading	Active Blue	Short clicks

 When 800, 700 and 600 series corded imagers are powered on, the power indicator will be active blue. When 500 series corded imagers are powered on, the power indicator will blink once in blue.

FuzzyScan Barcode Scanner Quick Start Guide
International Edition, Rev. D4



P/N: YMBB02000D4EN1

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Regulatory

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