

ANSERTM



User Manual

Ver: 1.0

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Notes and Warning


 **NOTE:** Important information that helps you make better use of U2 mobile printer.

 **WARNING:** Indicating either potential damage to hardware or loss of data and telling you how to avoid the problem.


SAFTY INSTRUCTIONS

 **Please follow the installation instructions in order for your safety.**

1. Please avoid collisions to the PrintHead and Encoder.
2. When you extract the ink cartridge from the holder, press it and take it out from a 15 degrees angle. Please note that any reluctant operation or removal by force will damage the PrintHead.
3. Uses the original chargers supplied by ANSER, and ensure the ambient temperature range 0° C~45° C during charging.
4. Please DO NOT disassemble the battery or modify the battery.
5. Please DO NOT short-circuits the battery by reversing terminals connection.
6. Please DO NOT incinerate nor dispose the battery in fire or heat it.

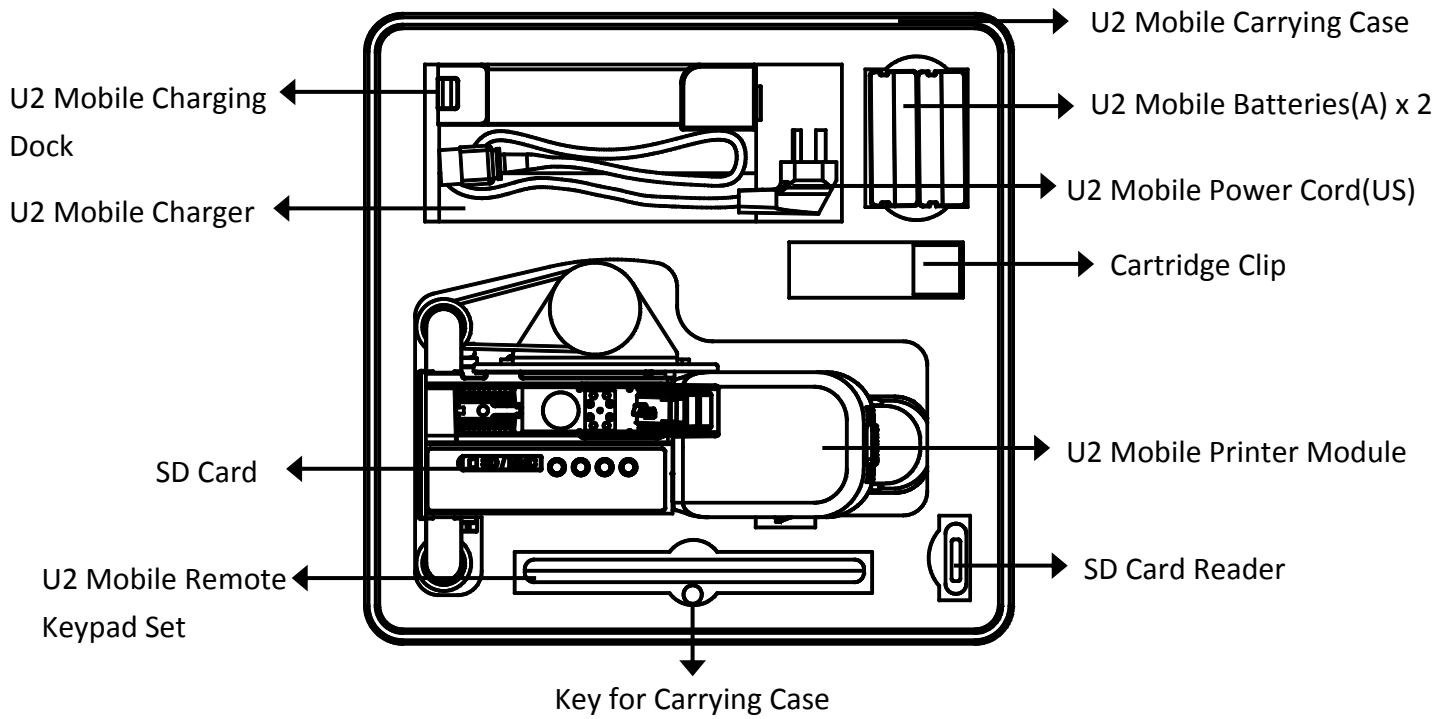
 ANSER takes NO responsibility for any misconduct that those were described above.

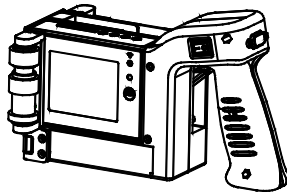
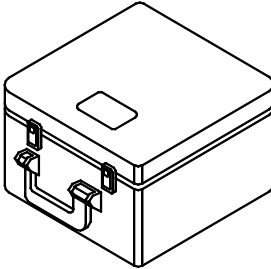
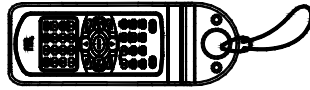
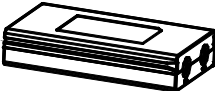
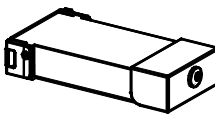
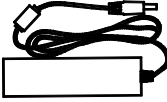
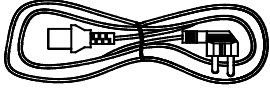
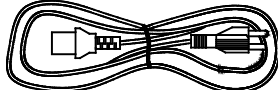



IMPORTANT NOTICE

1. The remote controller will be turned off automatically within three minutes if it is not being operated.
2. If the working environment is dusty, it is highly recommended for users to spray air compressor to the interior of controller regularly every month to prevent circuit problems that may result due to accumulation of dusts.
3. When the printing result appears to have ink trailing, please apply the wet wipe to clean the nozzle surface.
4. If the printing position is incorrect, please press  to reset to the best printing position.
5. Under a highly dusted production environment, please clean the dust by using air gun after work every day.
6. Please contact your local distributor if the printer malfunctions and the problems cannot be solved personally.

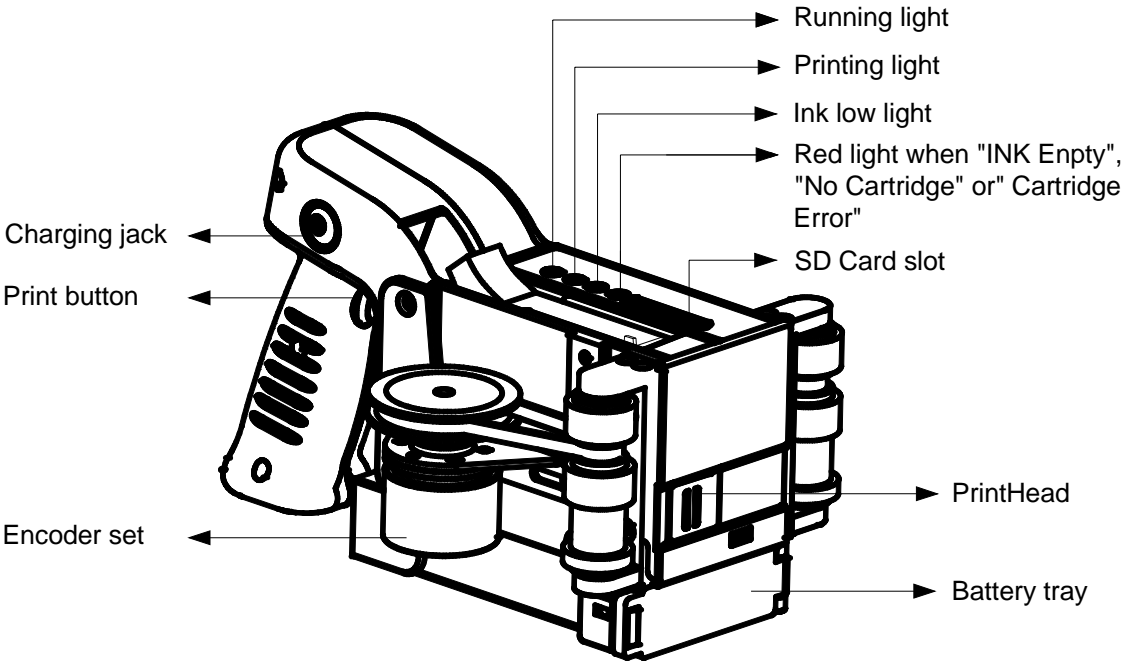
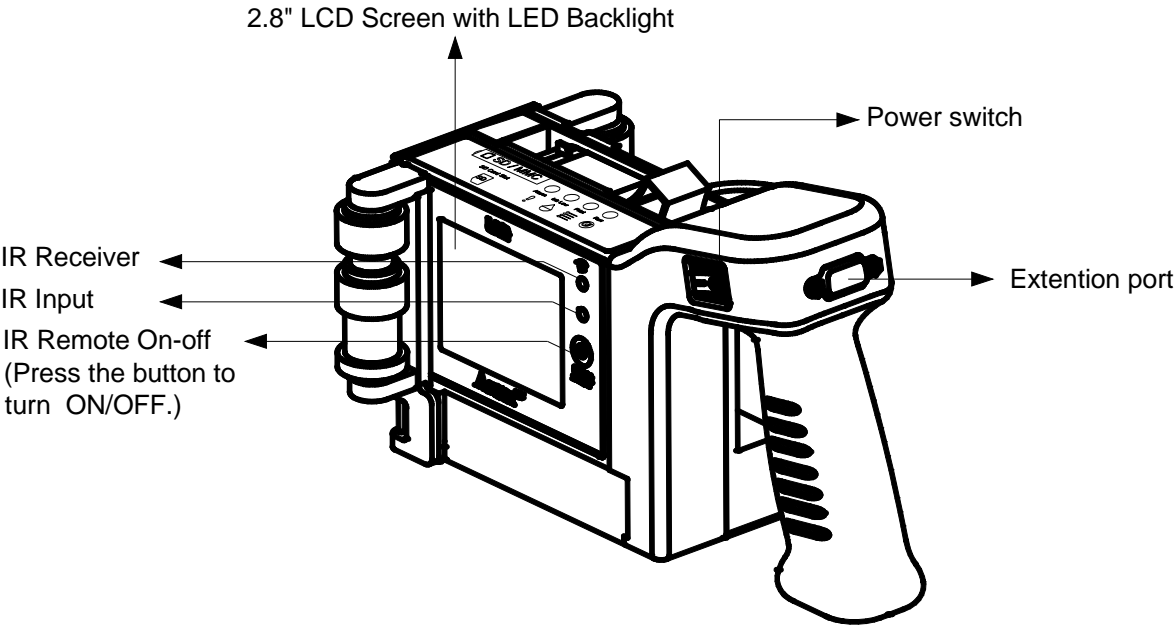
 **The precautions listed above are imperative to be noted in advance proceeding installation.**

Packing List

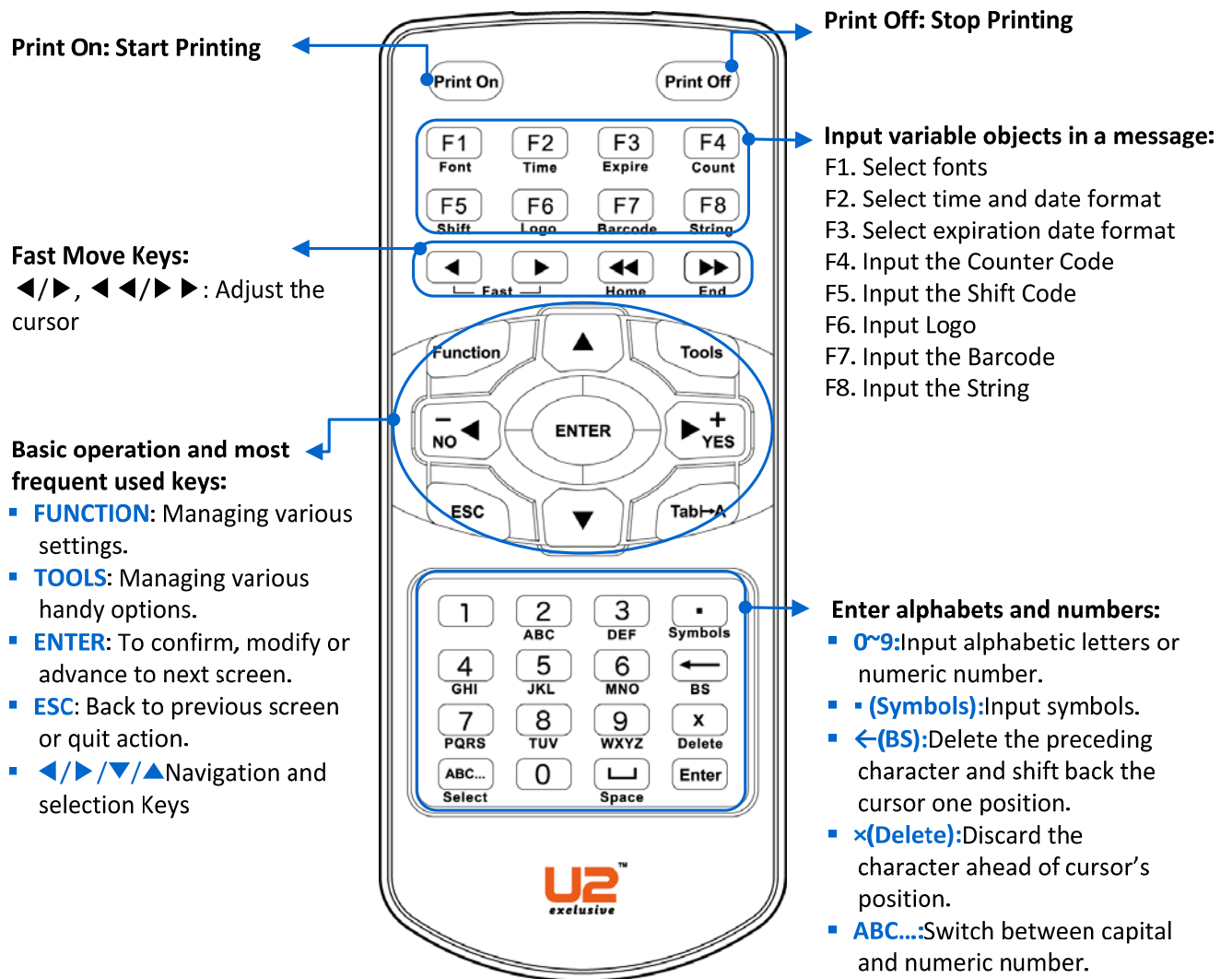


1、U2 Mobile Printer Module P/N: 7004005018	1 SET	
2、U2 Mobile Carrying Case P/N: 7004006061	1 PC	
3、U2 Mobile Remote Keypad Set P/N: 7003002115	1SET	
4、U2 Mobile Battery (A) P/N: 7004008026	2 PCS	
5、U2 Mobile Charging Dock P/N: 7004003015	1 PC	
6、U2 Mobile Charger P/N: 7003002119	1 PC	
7、U2 Mobile Power Cord (US) P/N: PEN024	1 PC	
OR 7、U2 Mobile Power Cord (EU) P/N: TEN-018		
8、SD Card P/N: 8302070117	1 PC	
9、42CC Cartridge Clip P/N: 8201010155	1 PC	
10、SD Card Reader P/N: 8302070076	1 PC	

U2 mobile printer Introductions



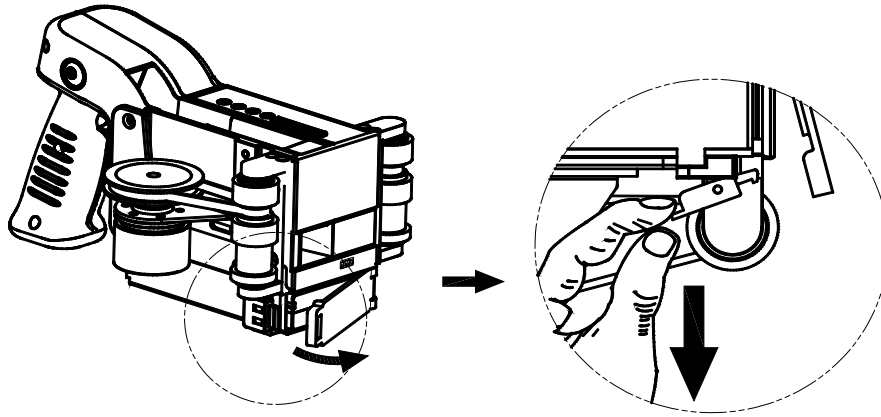
IR-Remote Keypad



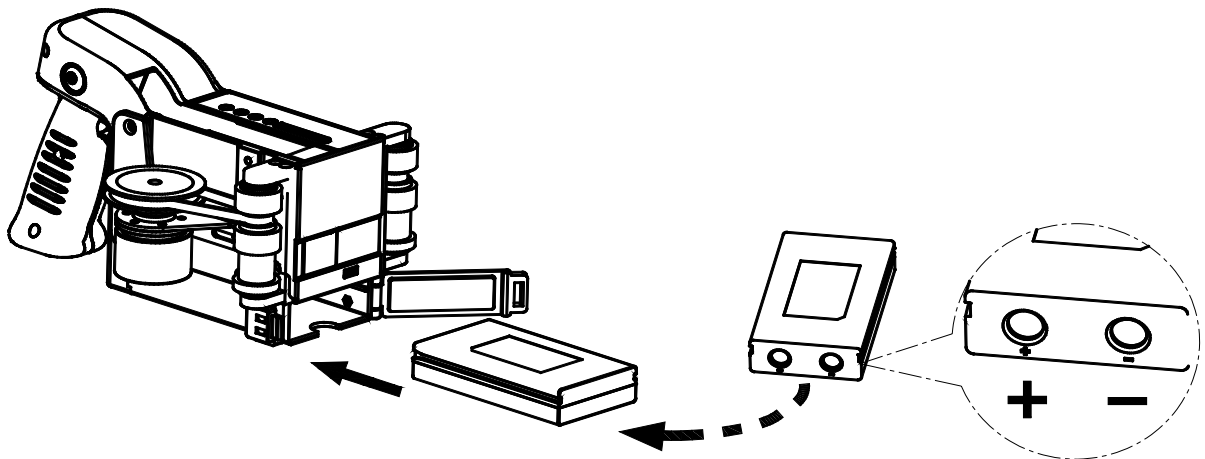
Basic Operation

Battery Installation

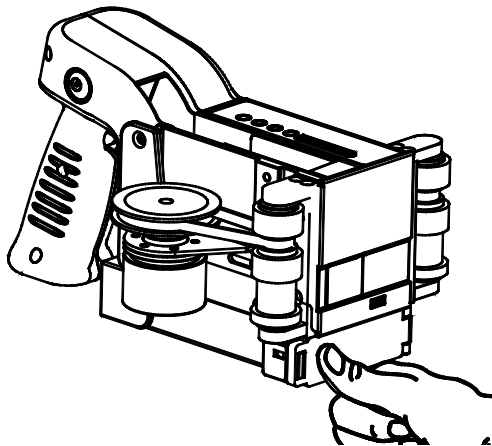
1. Pull the latch-lock of the printer to open the battery latch.



2. Insert a U2 Mobile battery into the battery tray with the side of battery poles.



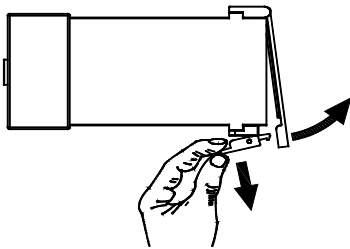
3. Push the battery latch to close.



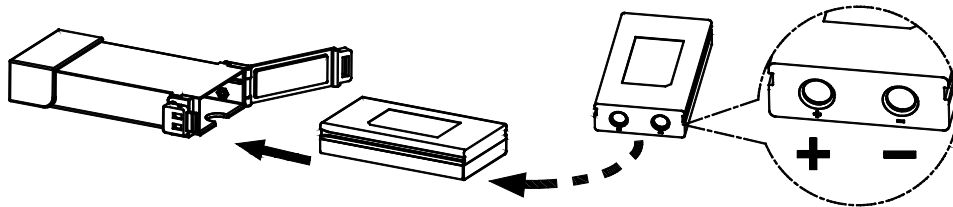
Charging the U2 mobile printer

Indirect Charging

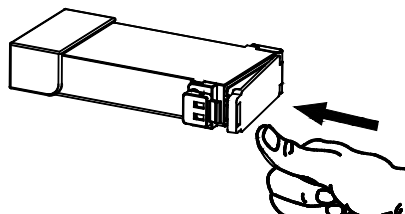
1. Pull the latch-lock to open the Charging Dock.



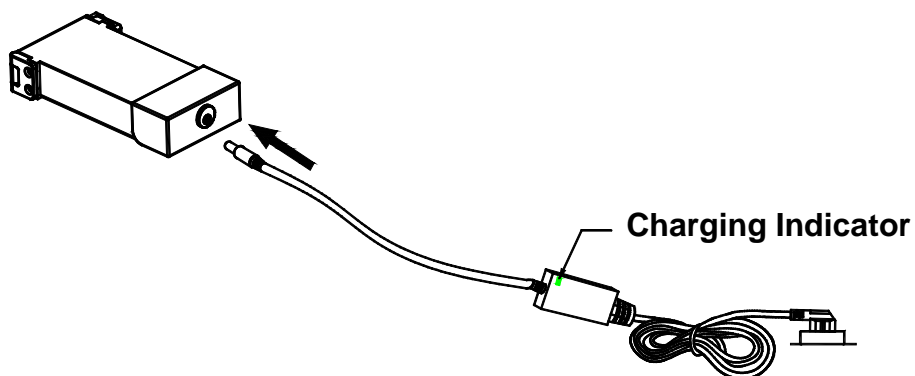
2. Insert a U2 Mobile battery into the Charging Dock with the side of battery terminals.



3. Push the latch to close.

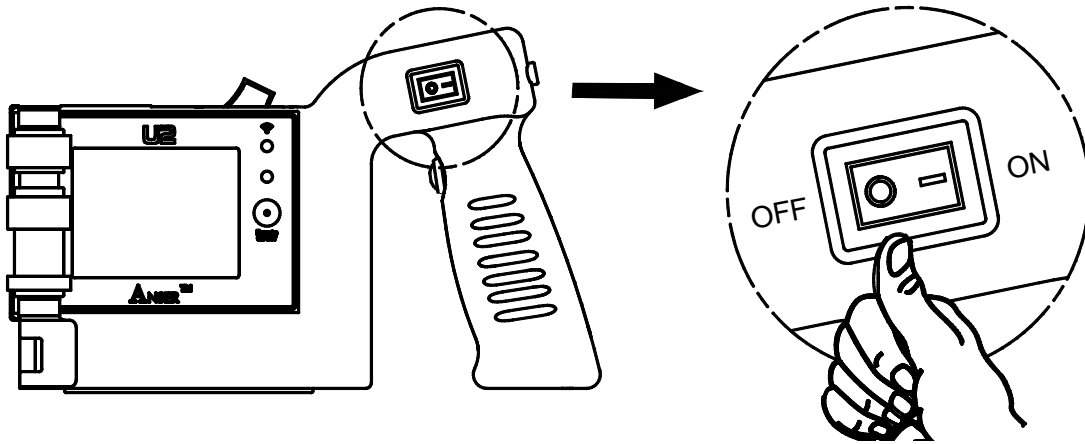


4. Connect the charging dock to the Mobile Charger (AC100~240), and plug the power cord into wall outlet. The Charging indicator lights on Red while charging, and turns to green when charging complete.

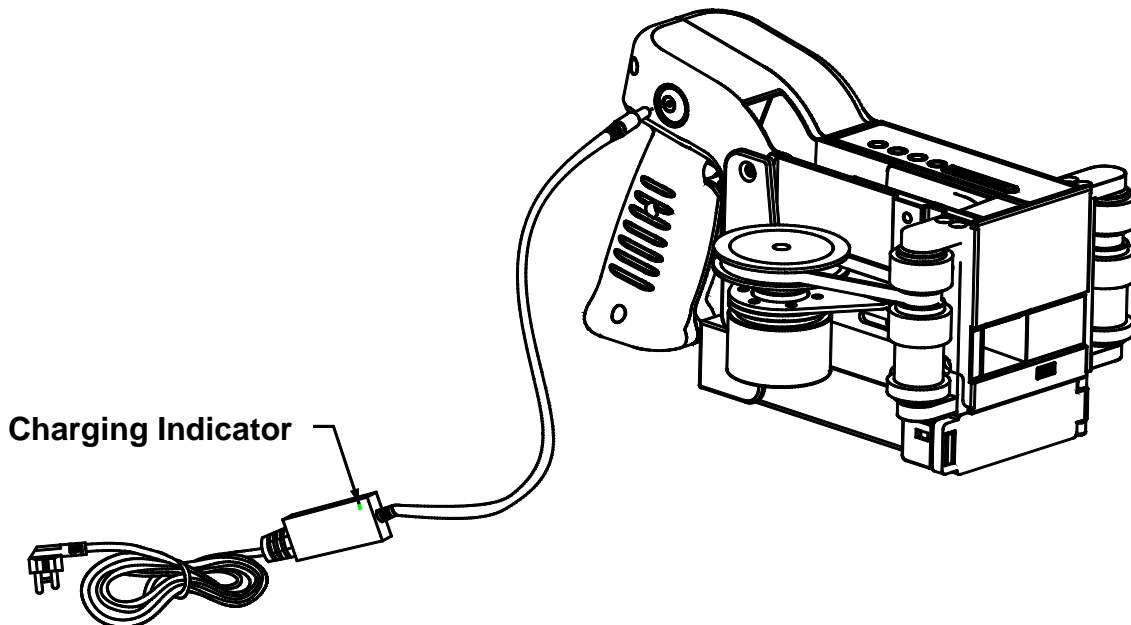


Direct Charging

1. Turn off the U2 Mobile switch.

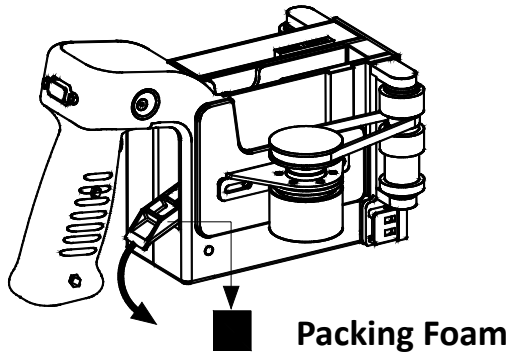


2. Connect the Mobile Charger directly to the charging jack (AC100~240), and plug the power cord into wall outlet. The Charging indicator lights on Red while charging, and turns to green when charging complete.

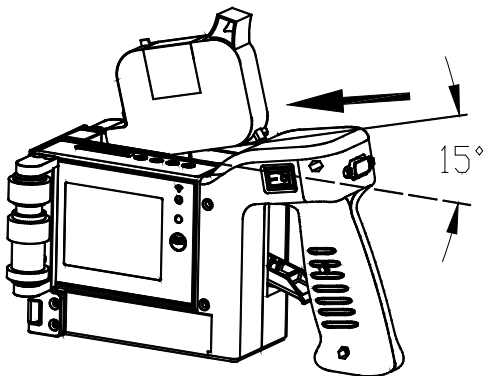


42cc Cartridge Installation

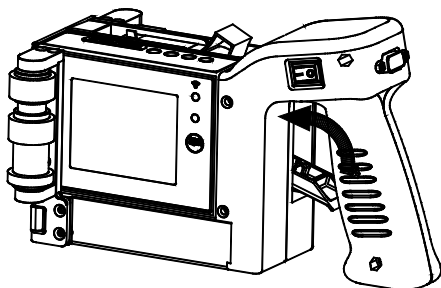
1. Pull down the cartridge latch and remove packing foam from cartridge tray.



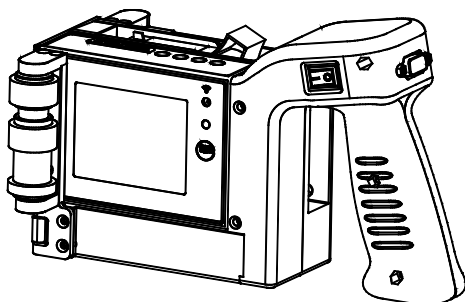
2. Insert a ink cartridge with approximately 15°.



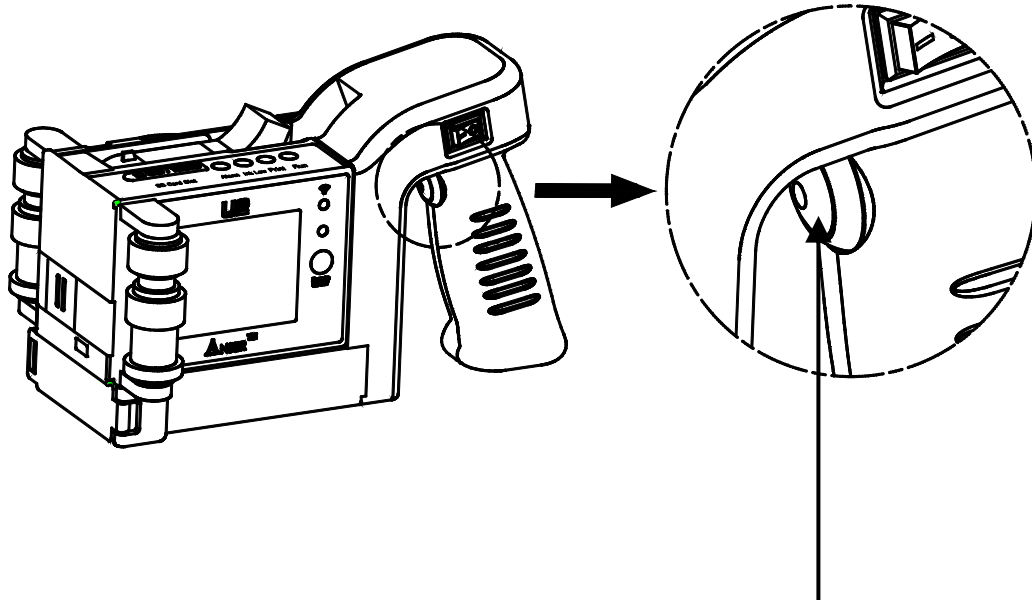
3. Push the cartridge latch back in order to secure ink cartridge.



4. Installation complete!

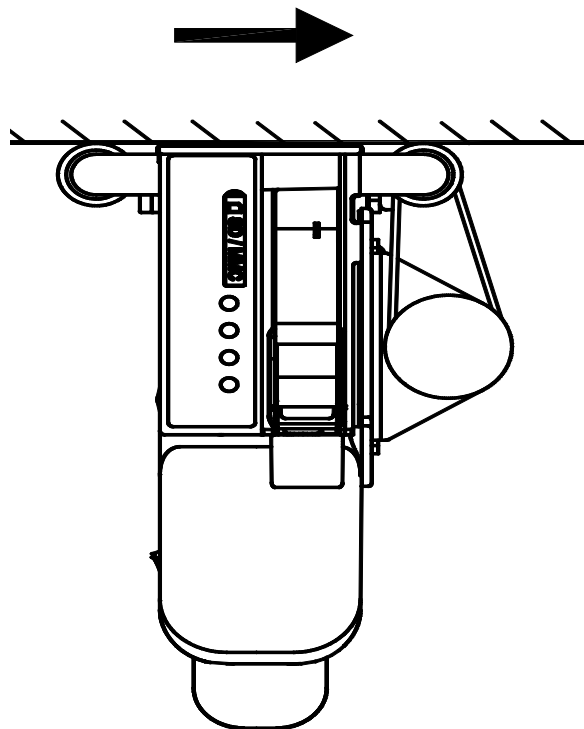


Printing



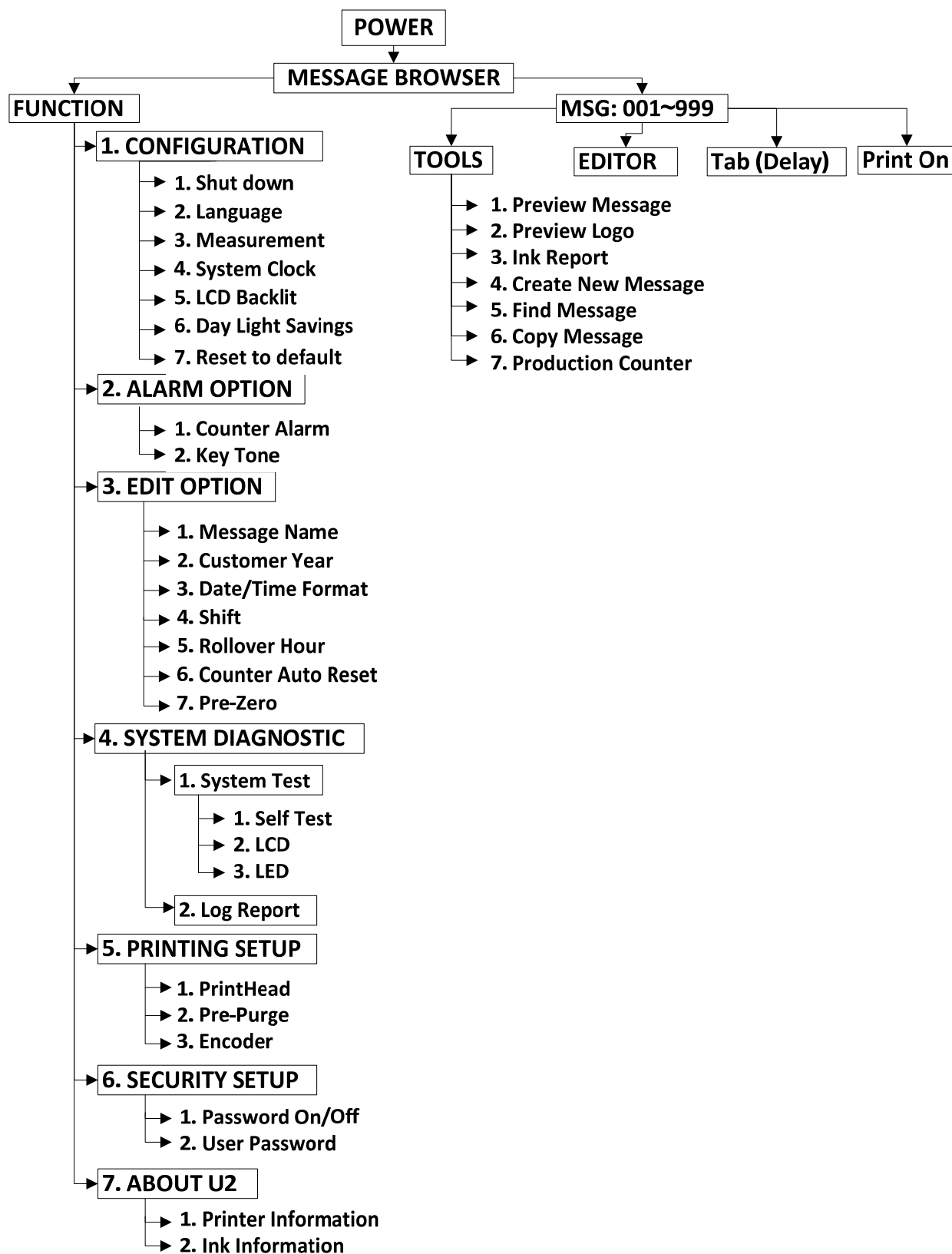
Press this button once for printing

* Gently against both sides of wheels to the printing surface, apply the print button and move the Mobile printer smoothly from left to right.





Function

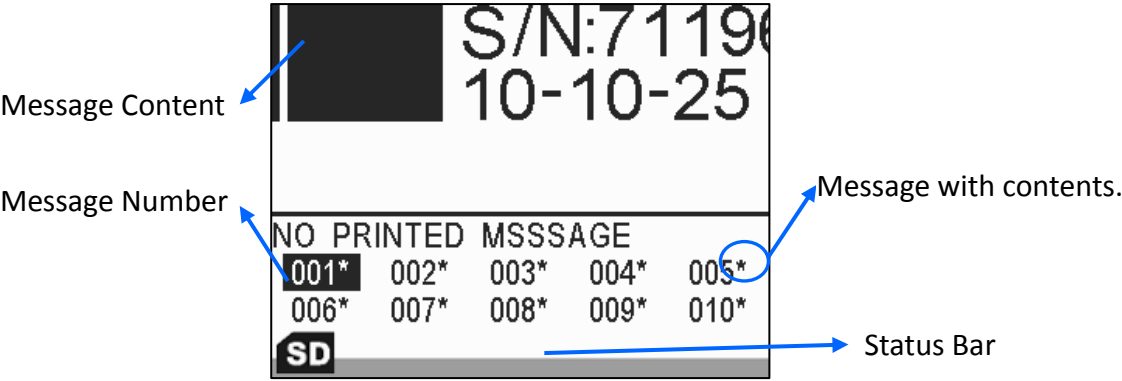
Menu Tree










Message Browser

Use arrow key to select messages (No.001~999), press  to edit message.

 You can only edit one message (No.001) without SD card.



Icons on Status Bar

Icons	Descriptions
	No Cartridge
	Ink Empty
	Ink Low
	No SD Card
	SD Card OK
	Warning
	Switch between capital, small letter and numeric number.


SD card

SD card is the ultimate source of data transfer between PC (**MessagePRO**) and U2 mobile printer.

- **CARD LOST:** You can purchase any standard 2GB SD card as replacement. As blank SD card, please insert the cards into U2 mobile printer for activation, and the card will be auto-activated by obtaining the same serial number from the printer.

 The **MessagePRO** can only function properly when the card is activated.




- **SWITCH PRINTER:** To use your SD card for different U2 mobile printer without losing previous saved messages or data, insert the card into the U2 mobile printer; ignore an **INVALID SD CARD** pop-up message, and reset to default. (See **RESET TO DEFAULT**)

 The U2 mobile printer has ability to memorize the last previous working message. However, without SD card, you can edit only one message, but you can save it. After you re-insert the SD card, the working message #001 will be substituted to the default test patent message.






Configuration


Under the Message Browser, press **FUNCTION** > **CONFIGURATION**.

Shut down






Press    to shut down the U2 system.

Language

1. Press    to choose a system language.
2. Press   to select different languages.

 We offer different languages (English, Chinese, Japanese, German, Italian, French, Spanish and Korean). Please contact your distributor for details!

Measurement


1. Press    to choose the unit measurement.
2. Press   to select **BRITISH<INCH>** or **METRIC<MM>**.






System Clock


Press    to set system clock.

LCD Backlit

Reduce the power consumption by enhancing the backlight brightness to black level.








 Enable both LCD Backlit and password, while the backlit reaches the set-timing and turns into back screen, the system also log off simultaneously.

1. Press    to set LCD backlit.
2. Press   to select **ON**.
3. Input the delay time, the range is from 1~60 minutes.

 The LCD screen will be always on when status is **OFF**.

Daylight Saving Time

Daylight saving time (DST), and "Summer Time" in much of Europe, is the practice of moving local time forward one hour in the spring and backwards in the autumn.

1. Press   .
2. Press   to select **ON**.
3. Press   to select the area; **AMERICA** or **EUROPE**.

Reset to Default



Reset system to default causes your previous setting lost.

1. Press    to reset the system.
2. Input a fix numbers "123456" to proceed.

System Default Setting:

Measurement	British(Inch)
LCD Backlit	OFF
Day Light Saving	OFF
Count Alarm	OFF
Key Tone	ON
Message Name	OFF
Customer Year	OFF
Date/Time Format	Default Format: Total 19
Shift	Shift name: A, Starting time: 08:00
Rollover Hour	OFF
Counter Auto Reset	OFF
Pre-zero	Time : 20:01:01
	Date : 2010:10:12
	Counter : 0001
PrintHead	Direction -> ABC
	Nozzle: LEFT
Pre-purge	OFF
Encoder	400 DPI
Print Delay	0mm
Password Option	OFF

Alarm Option


Under the Message Browser, press **FUNCTION** > **ALARM OPTION**.

Counter-Alarm

Allow the printer making alarm sound when the pre-setup counter value has been reached.

1. Press   .

2. Press   to **ON**.

 When **COUNTER ALARM** is **ON**, you are able to turn the **ALARM** ON/OFF in every single Counter with in a message.

Key Tone

1. Press   .

2. Press   to select **ON**.

One beep sound: appropriate input key.


Two beep sound: inappropriate input key

Editing Option

Under the Message Browser, press **FUNCTION** > **EDITING OPTION**.






Message Name

Allow you to name/rename any message as your desire.

1. Press   .
2. Press   to select **ON**.

Customer Year






Allow you to print customized year despite of the system year.


1. Press    to setup.
2. Press   to select **ON**.
3. Input the year you desire.

Date/Time Format

Allow you to customized time notation.

- To create new format:

1. Press    to setup.
2. Pick **EMPTY** and press .
3. Insert conjunction symbol such as (/, -), press  **SYMBOLS**.
4. Choose **SYMBOL** or **EURO CHAR**.
5. Pick the symbol you desired with numeric number key.

 If the system font does not support European Accented Characters, the printer will not display the option for you to choose, but display the symbols only.

Shift

Allow user to record the shift rotation.

1. Press **Function** **3** **4** to setup.
2. Highlight to any item then enter shift name and time.
3. Press **ENTER** to go to the next row and add more shifts.

3.4 SHIFT		
	NAME	TIME
1.	A	08 : 00
2.	B	12 : 00
3.	C	14 : 00
4.	---	-- : --
5.	---	-- : --



SHIFT **A** starts work at 08:00
 SHIFT **B** starts work at 12:00
 SHIFT **C** starts work at 14:00

Shift name only allows three letters.

24-hour clock is a convention of time keeping for starting time.

Rollover Hour

Allow you to print different date base on your production shift schedule.

At 24 hour time convention, input time in the morning or afternoon reflects different printing date as following:

For example: System Date: 2010/09/21.

- ① If you input time in the morning, the print date is changed to 2010/09/20. When it reached time you set, print date will be changed to the next day;
- ② If you input time in the afternoon, the print date is 2010/09/21. When it reached time you set, print date will be changed to the next day.

1. Press **Function** **3** **5** to setup.
2. Press **NO** **YES** to select **ON**.
3. Input the roll-over time you desired.






Counter Reset

To reset the counter before printing the message.

1. Press **Function** **3** **6**.
2. Press **NO** **YES** to select **ON**.

Pre-Zero

Displays a digit or nothing! If the expression has a digit in the position where the # appears in the format string, display it; otherwise, display space in that position. This symbol works like the 0 digit placeholder, except that leading and trailing zeros aren't displayed if the number has the same or fewer digits than there are # characters on either side of the decimal separator in the format expression.

1. Press    to setup.
2. Select the pre-zero content and press   for different format.

System Diagnostic




Under the Message Browser, press **FUNCTION > SYSTEM DIAGNOSTIC**.

System Tests

Press    to enter System Tests.

- **SELF TEST:** Check the U2 system controller for any abnormal status or alarm information, such as Ink low, Ink empty, No cartridge or Ink error.
- **LCD TEST:** Check if the LCD Screen is damaged.
- **LED TEST:** Check if LED indicators are running normally.

Log Report

Press    to view system log report of users' operation activities.

Printing Setup

Under the Message Browser, press **FUNCTION > PRINTING SETUP**.

PrintHead

Press **Function** **5** **1** to setup.

Move to the row you need and press **NO** **YES** to adjust the option.

- Channel: Switch **SINGLE** or **DUAL**.

Dual Channels: Double the vertical resolution to 600dpi to optimize the printing darkness.

- Direction: Switch the direction of printing.


→ABC: Print from "A" to "C".

ABCK: Print from "C" to "A".

→CBA: Print from "C" to "A" and rotate 180°.


CBA→: Print from "A" to "C" and rotate 180°.

- Nozzle: Switch left (Default) or right.

 As U2 default resolution: 300x400, the first number represents vertical dpi, which will auto adjust to 600 when Dual Channel is ON. The second number represents horizontal resolution, and it can be adjusted manually.

Pre-purge


Enable Pre-purge function, the Printer will output ink dots periodically, preventing the ink solidified on the nozzle in a dry environment or long printing gap time.

 Pre-Purge is an important attribution to the print quality, especially with different semi-porous and none-porous ink, it is critical to adjust calibration for different environments due to the unique ink character and decap time.





1. Press **Function** **5** **2** to setup.

2. Press **NO** **YES** to select **ON** or **OFF**.

3. Input the value of calibration (Calibrated range from **1** to **5**).

 Calibrate 1 corresponding to the wettest environment, where minimum pre-purge output might apply. Calibrate 5 corresponds to the driest environment, where maximum pre-purge output might apply.






Encoder


1. Press    to setup.
 2. Input **DIAMETER** of encoder and U2 calculates the DPI automatically.
-  ANSER offers optional 400DPI encoder with 1.98" wheel diameter.

Security Setup

Under the Message Browser, press **FUNCTION** > **SECURITY SETUP**.

Password Option

1. Press   .
2. Press   to select **ON** or **OFF**.

 When **PASSWORD** is **ON**, the **LOG-OUT** and **USER SETUP** instantly become available. The next time you turn on the U2, you must input a user name and password to logon!

User Setup

Enable password allows you to manage different user account!





The system grants 3 different levels of user:

ADMIN----Manager: Unlimited access to all level operations with initial password “1234”.

USER0----Editor: Limited access with **TOOLS** & **EDITOR** functions.


USER1----Operator: Limited access with preview & download print message only.

- **Add New User**

1. Under the USERS PASSWORD, press .
2. Select **ADD**, and then press .
3. Input the user name, and then move to the next row.
4. Press   to assign a level of access to the new user, and move to the next row.
5. Enter the password, and re-enter the password on the next row.



- **Delete User**

 System default users cannot be deleted!

Under the USERS PASSWORD, select a user you want to delete (other than system default user), and then press  **DELETE**.

- **Modify User**






You can only modify the password for system default users!

1. Under the **USERS SETUP**, select a user you want to modify, then press  .
2. Select **MODIFY**, then press  .
3. Select the content you desire to modify (User name, Level, Password and Re-enter).

About U2

Under the Message Browser, press **FUNCTION > ABOUT U2**.

Printer Information


1. Press    to view the related information about the Printer.
2. Press  , you can read more information about U2.

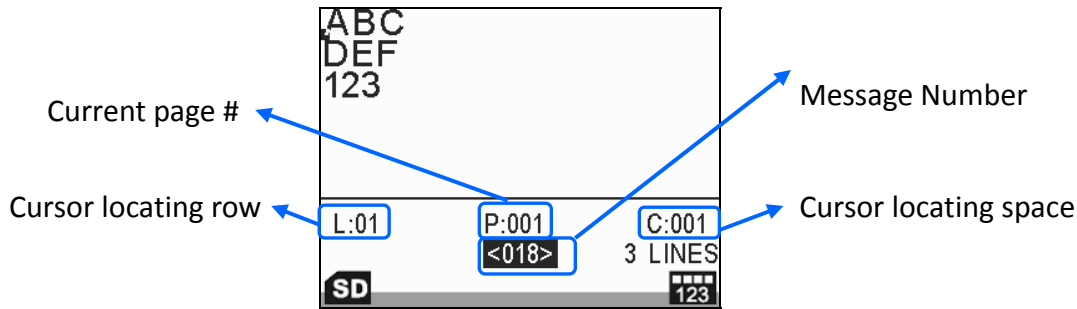
Ink Information

Press    to view the ink information.

Editing Message

Under the Message Browser, use arrow key to select messages, press **ENTER** to enter the Editing Mode.

 Under the Editing Mode, you can input text and variable objects contain Time, Expire, Counter, Shift, Logo, Barcode, Strings.



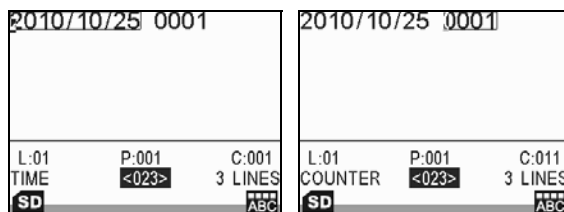
 Quick Basic Operation:

1. Use arrow keys to move the cursor to any position you desire.




2. Under Editing Mode, press **◀/▶**, **◀◀/▶▶** to adjust the cursor to the objects.

- **◀/▶** Fast: Select the previous or next object.

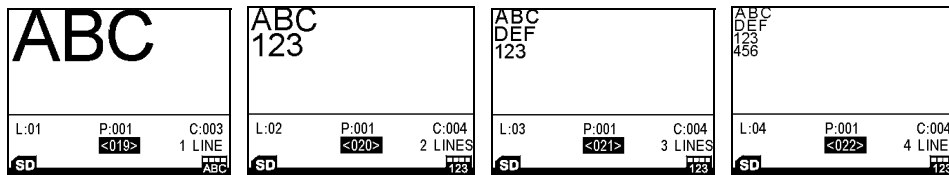



- **◀◀** Home: Select the first object of a message.
- **▶▶** End: Select the final object of a message.
- **ENTER**: Advance to next step/screen or confirm the selection.
- **ESC**: Back to previous step/screen or abort current action.

TEXT


 Non-Roman characters are not available to the system, please refer to our PC editing software – **MessagePRO**, which allows you to input all different text messages, save to SD card and then input to U2 mobile printer.

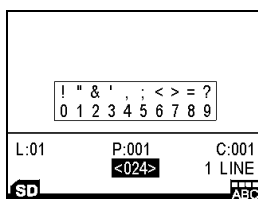
1. Under Editing Mode, press **F1** to choose 1, 2, 3 or 4 lines.



 Multi-lines does not supported an object contains barcode. Other than barcode, objects are restricted to the designated line, unable to cross different lines. In order to generate a message with various objects combined in any form, please go for Line-free mode, which is only available in **MessagePRO**.

2. Select the system font height. (Heights: 2.7mm, 3.6mm, 5.5mm, 8mm, 10mm, 12.7mm)
3. Press **SYMBOLS** and select **SYMBOL** or **EURO CHAR**.
4. Press the corresponding number to choose the symbol.

 When you select different fonts, type of symbol changed accordingly. Some system font does not support European Accented Characters.



5. Press **ABC...** once or twice to select capital letter or numeric number.
6. Input the text content you wished.
7. Press **ESC** to save & exit (See **Save Message**).

 Default system only offer Upper case font.

TIME

Add production date to a message.

1. Under Editing Mode, press **F2** and choose **CREAT TIME** or **DATE/TIME FORMAT** (See **Date/Time Format**).
2. Press **NO** **YES** to choose a time format you need.

The diagram illustrates the selection of a date format. On the left, the date '2010/10/25' is displayed above the format 'FORMAT:YYYY/MM/DD'. On the right, the date '2010/OCT/25' is displayed above the same format. Both screens have 'SD' at the bottom. A double-headed arrow indicates the transition between the two format options.

3. Press **ESC** to return to the Editing Mode.

EXPIRE

Insert Expiration date with various formats and expired duration.

1. Under Editing Mode, press **F3** to add an expiration Date to the message.
2. Press **NO** **YES** to choose a time format you need.
3. Move down a row, and input expiry days.


The diagram illustrates the selection of an expiration date and duration. On the left, the date '2010/10/26' is displayed above the format 'FORMAT:YYYY/MM/DD', with 'DAYS:1' specified below. On the right, the date '2010/11/24' is displayed above the same format, with 'DAYS:30' specified below. Both screens have 'SD' at the bottom. A double-headed arrow indicates the transition between the two options.

4. Press **ESC** to return to the Editing Mode.

COUNTER

Print the counting numbers.

1. Under Editing Mode, press **F4** to add a counter to the message.
2. Press **NO** **YES** to choose a counter type.

 There are 2 types of counter: Single and BOX/LOT (Box and lot should be used together, when the box prints over the max value, the box will reset to minimum value and lot will

advance a step value.)

For example:

① Single counter (Max: 9999, Min: 1, Current: 1, Step: 1)

1 →^{Step=1} 2 → 3..... 9999

② Box (Max: 9999, Min: 1, Current: 1, Step: 2)

Lot (Max: 9999, Min: 1, Current: 10, Step: 5)

Box: 1 →^{Step=2} 3 →^{Advance} 5..... 9999 **Lot:** 10 →^{Step=5} 15 → 20

3. Move to **MAX** and **MIN**, and input their value.

4. Move to **Step**, and input a value.

To Count-Up: Input a positive step value.

To Count-Down: Input a negative step value. (Press to obtain minus (—) sign)

5. Move to **ALARM**, and press to switch ON/OFF. (Available when **COUNTER ALARM** is ON.)

When counter exceeding the maximum value during printing, the system will switch to **PRINT OFF** automatically.

6. Press to return to the Editing Mode.

SHIFT

Create shift for different operator and their starting work time.

1. Under Editing Mode, press and choose **CREATE SHIFT** to add a shift to the message.

2. Select **SHIFT SETUP** to setup. (See **SHIFT**)

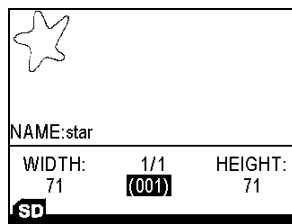
3. Press to return to the Editing Mode.

LOGO

Download the Logo from PC to SD card via **MessagePro** software!

1. Under Editing Mode, press to add a LOGO to the message.

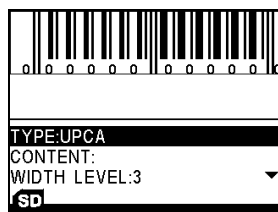
2. Press to choose a logo.



3. Press **ENTER** to return to the Editing Mode.

BARCODE

1. Under Editing Mode, press **F7** to add Barcode into the message.
2. Press **NO** **YES** to select a barcode type you need.



3. Press **NO** **YES** to choose width-level you need.
4. Input the contents.
5. Press **ESC** to return to the Editing Mode.

Important information to edit different barcode.

- UPCA: numeric (0~9), length: 11 digits // calculate the check digit automatically.
- UPCE: numeric (0~9), length: 6 digits.
- EAN13: numeric (0~9), length: 12 digits // calculate the check digit automatically.
- EAN8: numeric (0~9), length: 7 digits // calculate the check digit automatically.
- INTER25: numeric (0~9), length: even, 50 digits Max.
- CODEBAR: first character (A~D), middle (0~9 and - \$: / . +), last (A~D) length: 50 digits Max.
- CODE39: numeric (0~9) & A~Z & space & symbols (+ % - . \$ /), length: 50 digits Max.
- CODE128: numeric (0~9) & A~Z & a~z & space & all symbols, length: 50 digits Max.
- SCC14: numeric (0~9), length: 14 digits.
- SSCC18: numeric (0~9), length: 18 digits.
- EAN128: numeric (0~9) & A~Z & a~z & space & all symbols, length: 50 digits Max.
- DUN14: numeric (0~9), length: 13 digits.

String

Allows you to modify a frequent used text string in a message.

1. Under Editing Mode, press **F8** to add a string to the message.
2. Press **NO** **YES** to choose a string number (String No.:1~5).
3. Input the string content on next row.
4. Press **ESC** to return to the Editing Mode.

Modify Object

1. Under Editing Mode, select the object you desired.
2. Press **ENTER** to modify.
3. Press **ESC** to return to the Editing Mode.

Delete Object

1. Under Editing Mode, select the object you desired.
2. Press **X** **DELETE** to delete the object.


Save Message


1. Under Editing Mode, press **ESC** .
2. The U2 will confirm with you to **SAVE & EXIT** or **ABORT & EXIT**.

Delete Message

Under the Message Browser, highlight to the message you want to delete, and then press **X** **DELETE**.


Setting-Up Print Delay



Print Delay  allows you adjusting the distance of printing right after photocell is triggered.

1. Under Message Browser, and press  .
2. Input the value.

For example: If you set the delay to be 1 Inch, after the photocell is triggered, the PrintHead will wait conveyor to roll 1 Inch before printing. (Each message can be set with print delays individually)

Printing Message

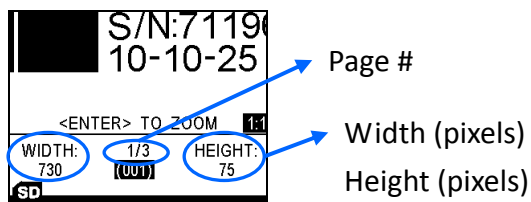
Under the Message Browser, select a message and press .

 Normally at **PRINT ON** stage, most of actions are not available until you press . However, if you remove the cartridge, the system switches to **PRINT OFF** automatically.

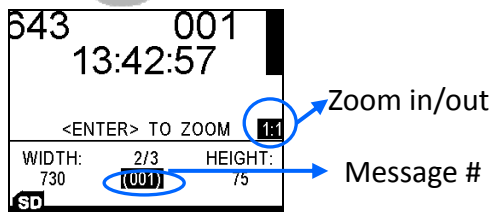
TOOLS

Preview Message

1. Under the Message Browser, highlight to a message you want to view and press **Tools** .
2. Move to **PREVIEW MESSAGE** and press **ENTER** .
3. Press **NO** **YES** to select page # in order to preview the whole message.



4. Press **▲** **▼** to preview the different messages.
5. Press **ENTER** to zoom in or out.



Preview Logo


1. Under the Tools, highlight to **PREVIEW LOGO** and press **ENTER** .
2. Press **▲** **▼** to select logos.
3. If the logo is too large or oversteps the screen area, press **NO** **YES** to preview the message.

Create New Message


Under the Tools, move to **CREATE NEW MESSAGE** and press **ENTER** . The system will search an empty message automatically and then to start to edit.

Find Message

Searching message by its name or number.



 Search by name only available when the **MESSAGE NAME** is activated. When **MESSAGE NAME** is **OFF**, you can only find the message by its number.

Under the Tools, highlight to **FIND MESSAGE**.

1. Type the first few letters of the message name.
2. Press  to find the message. (Maybe you need to take some time to wait searching)



Copy Message

Copy the message content to a different message location.

1. Select a message, then press  .
2. Highlight to **COPY MESSAGE** and press  .
3. Input the Message No. you want to copy to.


Rename Message

Rename the message.

1. Select a message, then press  .
2. Highlight to **RENAME MESSAGE** and press  .
3. Input a new name you desire.

Ink Report

System automatically calculates ink consumption base on the content of selected message.

Under the Tools, highlight to **INK REPORT**, press  , the system shows residual ink content and automatically calculates the times of use it to print the current message.

Production Counter

Statically calculate the total print counts of production (maximum up to 99999999).

 **ALARM** available when **COUNTER ALARM** is **ON**.

Under the Tools, highlight to **PRODUCTION COUNTER** and press  to setup.