U2 Inkjet Printer
User Manual

Contents

Notes and Warning

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

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

SAFTY INSTRUCTIONS

☞ Please retain this page nearby your printer for future reference.

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

Installation:

1. Please note that once the PrintHead has been installed it is necessary to use the guide bar to protect the PrintHead from damaged while printing. (Any external damaged, included box collision without guide bar exemption from the warranty)

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. After the installation process is completed, please ensure ALL the screws are tightened.

4. The installation of UPS is highly recommended because it helps to avoid the damage that may be caused by power shutting down on accident.

5. It is highly recommended for users to execute "Grounding" properly. Furthermore, the multi plug-in on power source is strictly prohibited altogether using the power source (i.e. the motor).

6. 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.

Operation:

1. The remote controller will be turned off automatically within three minutes if it is not being operated.

2. If the lay-out is not as desired, please press `Function` `5` `1` to reset it.

3. Please keep the printing distance within 6mm to ensure the best printing quality.

4. When the lay-out appears to have ink trailing, please apply the wet wipe to clean the nozzle surface.

5. If the printing position is incorrect, please press ⬚Tab↦A to reset to the best printing position.

6. Under a highly dusted production environment, please clean the dust by using air gun after work every day.

7. 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.**

U2 Introductions

Printer

SD Card Slot

2.8" LCD Screen with LED Backlight

IR Receiver

IR Input

External Device Connector

1. **IR** Remote On-off (Press the button to turn ON/OFF.)
2. **System** On-off button (Press and hold 5 seconds the button for booting or shutdown the system.)

Power Input

Running Light

Printing Light

INK Low

Red light when "INK Empty", "No Cartridge" or "Cartridge Error"

PrintHead

Internal Photocell

IR-Remote Keypad

Print On: Start Printing

Print Off: Stop Printing

Fast Move Keys:
◀/▶, ◀◀/▶▶: Adjust the cursor

Input variable objects in a message:
F1. Select fonts
F2. Select time and date format
F3. Select expiration date format
F4. Input the Counter Code
F5. Input the Shift Code
F6. Input Logo
F7. Input the Barcode
F8. Input the String

Basic operation and most frequent used keys:
- **FUNCTION**: Managing various settings.
- **TOOLS**: Managing various handy options.
- **ENTER**: To confirm, modify or advance to next screen.
- **ESC**: Back to previous screen or quit action.
- ◀/▶/▼/▲Navigation and selection Keys

Enter alphabets and numbers:
- **0~9:**Input alphabetic letters or numeric number.
- **▪(Symbols):**Input symbols.
- **←(BS):**Delete the preceding character and shift back the cursor one position.
- **×(Delete):**Discard the character ahead of cursor's position.
- **ABC…:**Switch between capital and numeric number.

Menu Tree

```
                              POWER
                                │
                        MESSAGE BROWSER
        ┌───────────────────────┘         └───────────────────────┐
   FUNCTION                                              MSG: 001~999
      │                                        ┌──────────────┼──────────────┐
   ┌─ 1. CONFIGURATION                      TOOLS         EDITOR        Tab (Delay)
   │     ├─ 1. Shut down                      │
   │     ├─ 2. Language                       ├─ 1. Preview Message
   │     ├─ 3. Measurement                    ├─ 2. Preview Logo
   │     ├─ 4. System Clock                   ├─ 3. Create New Message
   │     ├─ 5. LCD Backlit                    ├─ 4. Find Message
   │     ├─ 6. Day Light Savings              ├─ 5. Copy Message
   │     └─ 7. Reset to default               ├─ 6. Rename Message
   │                                          ├─ 7. Ink Report
   ├─ 2. ALARM OPTION                         └─ 8. Production Counter
   │     ├─ 1. Counter Alarm
   │     └─ 2. Key Tone
   │
   ├─ 3. EDIT OPTION
   │     ├─ 1. Message Name
   │     ├─ 2. Customer Year
   │     ├─ 3. Date/Time Format
   │     ├─ 4. Shift
   │     ├─ 5. Rollover Hour
   │     ├─ 6. Counter Auto Reset
   │     └─ 7. Pre-Zero
   │
   ├─ 4. SYSTEM DIAGNOSTIC
   │     ├─ 1. System Test
   │     │     ├─ 1. Self Test
   │     │     ├─ 2. LCD
   │     │     └─ 3. LED
   │     └─ 2. Log Report
   │
   ├─ 5. PRINTING SETUP
   │     ├─ 1. PrintHead
   │     │     ├─ Direction
   │     │     ├─ Nozzle
   │     │     └─ Resolution
   │     ├─ 2. Pre-Purge
   │     ├─ 3. Photocell
   │     ├─ 4. Encoder and Conveyor
   │     └─ 5. Conveyor Speed Test
   │
   ├─ 6. SECURITY SETUP
   │     ├─ 1. Password On/Off
   │     └─ 2. User Password
   │
   └─ 7. ABOUT U2
         ├─ 1. Printer Information
         └─ 2. Ink Information
```

Message Browser

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

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

Message Content →

S/N:71190
10-10-25

Message Number →

NO PRINTED MSSSAGE
001* 002* 003* 004* 005*
006* 007* 008* 009* 010*
SD

← Message with contents.

→ Status Bar

Icons on Status Bar

Icons	Descriptions
◨✗	No Cartridge
✗	Ink Empty
◉	Ink Low
SD✗	No SD Card
SD	SD Card OK
⚠	Warning
☎	Serious error! Contact your distributor!
ABC	Switch between capital and numeric number.

SD card

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

- **CARD LOST:** You can purchase any standard 2GB SD card as replacement. As blank SD card, please insert the cards into U2 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 printer without losing previous saved messages or data, insert the card into the U2 printer; ignore an **INVALID SD CARD** pop-up message, and reset to default. (See **RESET TO DEFAULT**)

☞ The U2 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.

Function

Configuration

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

Shut down

Press `Function` `1` `1` to shut down the U2 system.

Language

1. Press `Function` `1` `2` to choose a system language.

2. Press `▲` `▼` to select different languages.

☞ The system offers eight different languages. (English, Chinese, Japanese, German, Italian, French, Spanish and Korean)

Measurement

1. Press `Function` `1` `3` to choose the unit measurement.

2. Press `NO◄` `►+ YES` to select **BRITISH<INCH>** or **METRIC<MM>**.

System Clock

Press `Function` `1` `4` 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 `Function` `1` `5` 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 Function ⬛1⬛ ⬛6⬛.

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 Function ⬛1⬛ ⬛7⬛ 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
	Resolution:300×400DPI
Pre-purge	OFF
Photocell	Internal
Encoder and Conveyor	Encoder: OFF Conveyor Speed: 82 FEET/MIN
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 Function 2 2.

2. Press NO◄ ►YES 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 Function 2 3.

2. Press NO◄ ►YES to select **ON**.

One beep sound: appropriate input key.

Two beep sound: inappropriate input key.

Alarm-kit (Optional)

When external Alarm kit has been connected to your system, the printer will detect the Alarm-kit automatically.

☞ The following form will tell you how Alarm LED will show due to all kinds of malfunction!

Alarm LED Instruction

Ink Low	Orange
Normal Work	Green
Ink Empty	Red
Ink error: Ink Cartridge area code or sales code error	
No Cartridge	

Editing Option

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

Message Name

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

1. Press Function 3 1 .

2. Press NO◄ ►YES to select **ON**.

Customer Year

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

1. Press Function 3 2 to setup.

2. Press NO◄ ►YES to select **ON**.

3. Input the year you desire.

Date/Time Format

Allow you to customized time notation.
- To create new format:

1. Press Function 3 3 to setup.

2. Pick **EMPTY** and press ENTER .

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 records all operators and their starting time.

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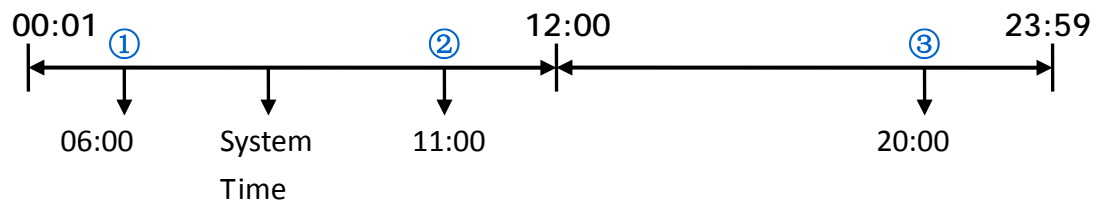
☞ At 24 hour time convention, input time in the morning or afternoon reflects different printing date as following diagram presented:

For example: System Date: 2010/09/21, time: 9:00 and separate input time as ①②③.

00:01	①		②	12:00		③	23:59
	06:00	System Time	11:00			20:00	

① Since the system time already ahead of input time, before system time reaches 06:00 the next day, Printing Date: 2010/09/22.
After system time reaches 06:00 the next day, Printing Date: 2010/09/23.

② Before system time reaches 11:00 at same day, Printing Date: 2010/09/20.
After 11:00 at same day, Printing Date: 2010/09/21.

③ Before system time reaches 20:00 at same day, Printing Date: 2010/09/21.
After 20:00 at same day, Printing Date: 2010/09/22.

☞ When both input times ahead of system time but ② in the morning and ③ in the afternoon, notice the differences printing date between two scenarios.

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 nothing 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 `Function` `3` `7` to setup.

2. Select the pre-zero content and press `NO◄` `►YES` for different format.

System Diagnostic

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

System Tests

Press `Function` `4` `1` 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 `Function` `4` `2` 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.

- Direction: Switch the direction of printing.
  - ─⟩ABC : Left to right from the direction of conveyor.
  - ABC⟨─ : Right to left from the direction of conveyor.
  - ─⟩ABC : Left to right from the direction of conveyor and rotate 180°.
  - ABC⟨─ : Right to left from the direction of conveyor and rotate 180°.
- Nozzle: Switch left (Default), right or both.
- Resolution: user can adjust resolution from 50~600, when the encoder is **OFF**.

☞ User can only adjust horizontal resolution.

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.

Photocell

A sensor targets to objects and triggers the print timing. Select different types photocell prior to you need.

1. Press [Function] [5] [3] to setup.

2. Press [NO ◄] [► + YES] to choose **INTERNAL** or **EXTERNAL**.

INTERNAL: Default internal photocell of U2 printer.

EXTERNAL: Connect an external photocell via external device interface.

⚠ For users who prefer to print downside and printing object is less than 20mm height, external photocell with precision is recommended. (For detail, please refer to External photocell in **U2 INSTALLATION MANUAL**.)
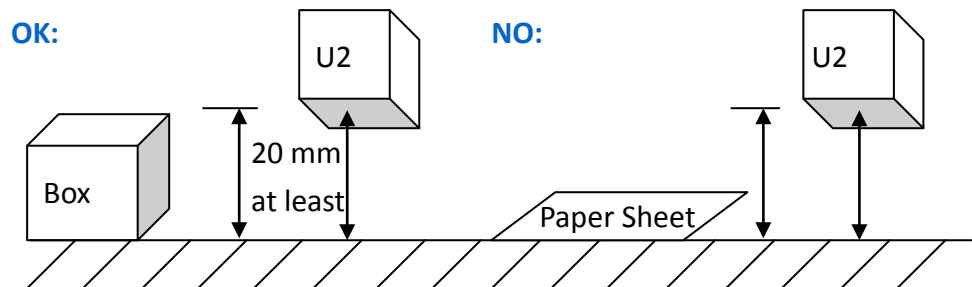
Encoder and Conveyor

When the speed of conveyor is inconsistent, install an encoder can ensure the print perfection regardless the speed of conveyor.

Press [Function] [5] [4] to setup.

• When the Encoder is **OFF**, according to your conveyor equipment, input the conveyor speed. Otherwise, go through **CONVEYOR SPEED TEST** to determine the speed.

☞ If the input value and actual conveyor speed are not consistent, various printing issues might occur. To ensure the best print quality, encoder is recommended.

• When encoder is **ON**, the conveyor speed will automatically turn **OFF.**

1. Press [NO ◄] [► + YES] to select **ON**.

2. Input **PULSE/CYCLE** and **DIAMETER** of encoder and U2 calculates the DPI automatically.

☞ Don't recommend modify **PULSE/CYCLE**, and default value is 2500.

☞ ANSER offers optional 400DPI encoder with 1.98" wheel diameter.

Conveyor Speed Test

Press **Function** **5** **5** to test the conveyor speed.

- When the Encoder is **OFF**:

1. Input the length of a box you want to print to.

2. Put a physical box on conveyor.

3. When photocell triggers the physical box, the printer calculates the current speed simultaneously.

- When the Encoder is **ON**:

Enter **CONVEYOR SPEED TEST** and start conveyor belt, the system can calculate the current speed automatically.

Security Setup

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

Password Option

1. Press Function 6 1 .

2. Press NO◄ ►YES 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 ENTER .

2. Select **ADD**, and then press ENTER .

3. Input the user name, and then move to the next row.

4. Press NO◄ ►YES 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 ⬭ENTER .

2. Select **MODIFY**, then press ⬭ENTER .

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 <kbd>Function</kbd> <kbd>7</kbd> <kbd>1</kbd> to view the related information about the Printer.

2. Press <kbd>▲</kbd> <kbd>▼</kbd> , you can read more information about U2.

Ink Information

Press <kbd>Function</kbd> <kbd>7</kbd> <kbd>2</kbd> 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.

Message Number

Current page #

Cursor locating row

Cursor locating space
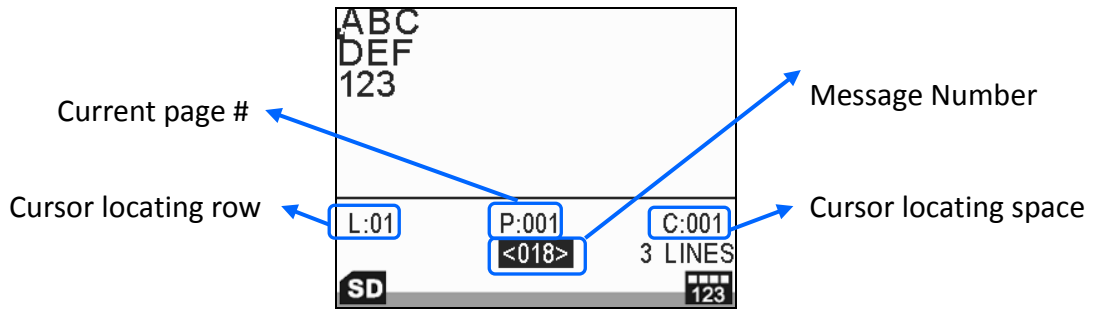
☞ Quick Basic Operation:

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.
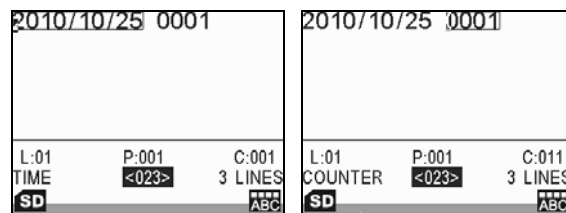
- ◀◀ Home: Select the first object of a message.

- ▶▶ 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.

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

ABC	ABC 123	ABC DEF 123	ABC DEF 123 456
L:01 P:001 C:003 <019> 1 LINE SD ABC	L:02 P:001 C:004 <020> 2 LINES SD 123	L:03 P:001 C:004 <021> 3 LINES SD 123	L:04 P:001 C:004 <022> 4 LINES SD 123

☞ 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 free-line mode, which is only available in **MessagePRO**.

2. Select the system font height. (Heights: 2.7mm, 3.6mm, 5.5mm, 8mm, 10mm, 12.7mm)

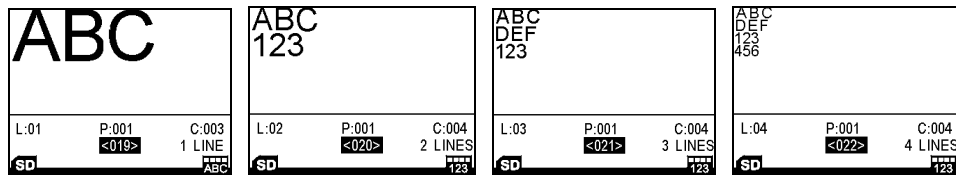**3.** Press ⋅SYMBOLS and select **SYMBOL** or **EURO CHAR**.

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.

! " & ' , ; < > = ? 0 1 2 3 4 5 6 7 8 9
L:01 P:001 C:001 <024> 1 LINE SD ABC
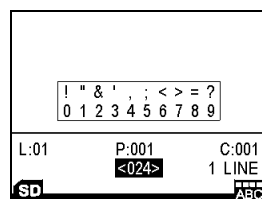
5. Press ABC... once or twice to select capital letter or numeric number.

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.

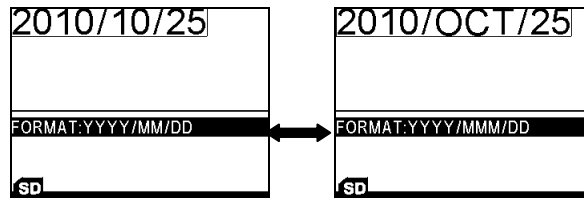1. Under Editing Mode, press F2 and choose **CREAT TIME** or **DATE/TIME FORMAT** (See **Date/Time Format**).

2. Press NO◄ ►YES to choose a time format you need.

```
2010/10/25                2010/OCT/25


FORMAT:YYYY/MM/DD   ←→    FORMAT:YYYY/MMM/DD

SD                        SD
```
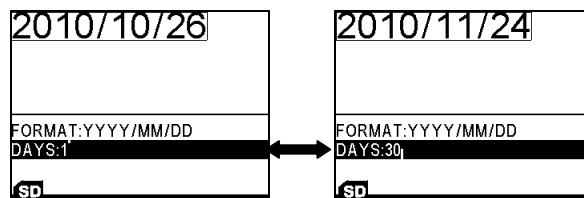
3. Press ESC to return to the Editing Mode.

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.

```
2010/10/26                2010/11/24


FORMAT:YYYY/MM/DD         FORMAT:YYYY/MM/DD
DAYS:1              ←→    DAYS:30

SD                        SD
```

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
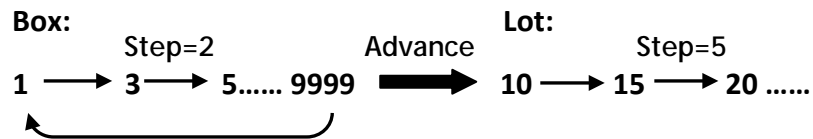
minimum value and lot will advance a step value.)

For example:

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

Step=1

1 ⟶ **2** ⟶ **3…… 9999**
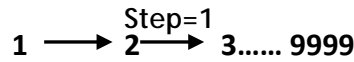
②Box (Max: 9999, Min: 1, Current: 1, Step: 2)

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

Box: **Lot:**

Step=2   Advance   Step=5

1 ⟶ **3** ⟶ **5…… 9999** ⟹ **10** ⟶ **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 (一) sign)

5. Move to **ALARM**, and press [− NO ◄] [► + YES] 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 [ESC] to return to the Editing Mode.

SHIFT

Create shift for different operator and their starting work time.

1. Under Editing Mode, press [F5] and choose **CREATE SHIFT** to add a shift to the message.
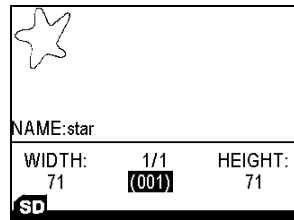
2. Select **SHIFT SETUP** to setup. (See **SHIFT**)

3. Press [ESC] to return to the Editing Mode.

LOGO

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

1. Under Editing Mode, press F6 to add a LOGO to the message.

2. Press ▲ ▼ to choose a logo.

```
NAME:star
WIDTH:      1/1      HEIGHT:
  71        (001)       71
SD
```

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.

```
TYPE:UPCA
CONTENT:
WIDTH LEVEL:3          ▼
SD
```
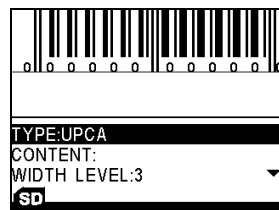
3. Press NO◄ ►YES+ to choose width-level you need.

☞ Width-level indicates the spacing between bars.

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.
- PDF417: 2D Barcodes.

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 [Tab⊢A] allows you adjusting the distance of printing right after photocell is triggered.

1. Under Message Browser, and press [Tab⊢A] .

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 the next print. (Each message can be set with print delays individually)

Printing Message

Under the Message Browser, select a message and start `Print On` or stop

printing `Print Off`.

☞ Normally at **PRINT ON** stage, most of actions are not available until you

press `Print Off`. 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.

Page #

Width (pixels)
Height (pixels)
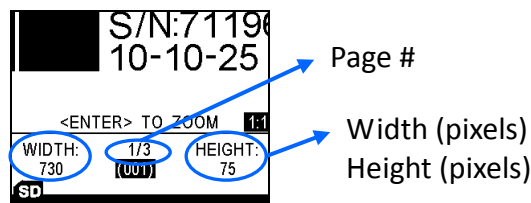
4. Press [▲] [▼] to preview the different messages.

5. Press [ENTER] to zoom in or out.

Zoom in/out
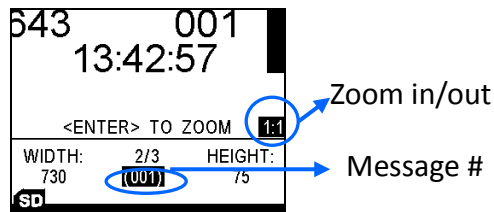
Message #

## 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 ENTER 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 Tools .

2. Highlight to **COPY MESSAGE** and press ENTER .

3. Input the Message No. you want to copy to.

Rename Message

Rename the message.

1. Select a message, then press Tools .

2. Highlight to **RENAME MESSAGE** and press ENTER .

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 ENTER , 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 ENTER to setup.

Appendix

Product Warranty

The Product Warranty for U2 printer, provided by the manufacturer, applies to the two major components:

☞ One-Year Warranty for U2 printer.

☞ One-Year Warranty for U2 printer bracket. (See below for details.)

Please retain these warranties, along with the shipping documents, for future reference. Anti-shock mechanism, remote controller are **excluded** from warranty.

The Warranty Does NOT Apply if:

1. The use of any non-original offer of parts, ink and clean paper.
2. The product is not currently in the possession and control of the original purchaser.
3. The product has been altered or modified, or has been used for a purpose not approved by ANSER™.
4. The damage arises from a failure to maintain the U2 printer in accordance with ANSER™'s maintenance instructions.
5. The PrintHead damage arises from improper installation, including but not limited to not installing the guide bar.
6. The damage arises from an accident, falling objects, exposure to harmful chemicals, fumes or other substances, either foreign or natural, or results from "Acts of God," including but not limited to hail, flooding, ice, snow, or wind.
7. The printer is not grounded properly or using instable power supply.
8. The damage arises from a failure to shutdown the U2 printer in accordance with ANSER™'s maintenance instructions.
9. The damage arises from a failure to replace the U2 cartridge in accordance with ANSER™'s maintenance instructions.
10. The damage arises from a failure to apply UPS(Uninterrupted Power Supply) in accordance with ANSER™'s maintenance instructions.