

**I.R. REMOTE CONTROL**  
**START GUIDE BOOK**

**Scrolling Programmable Message Board**



## **!! IMPORTANT MESSAGE\* (READ BEFORE INSTALLATION) !!**

Please note that you can use screws underneath the LED sign since it's made with two metal layers and thickness of the gap between the two layers are about 1 inch. As long as you don't put the screws over 1 inch to the second metal layer, you can go ahead and place screws on it. The holes on the bottom of the sign was made for ventilation, hence please don't cover the holes and also place the screws in the middle of the frame where it's dent. Sometimes, the modules (panel that contains LED light bulbs) can be damaged if you place screws over the frame near the modules.

# TABLE OF CONTENTS

- 5. REMOTE FUNCTION.
- 6. INDOOR INSTALLATION .
- 7. OUTDOOR INSTALLATION.
- 8. MENU TREE.
- 10. ADD A MESSAGE.
- 11. SHORT MESSAGE.
- 12. LONG MESSAGE.
- 13. NO TRANSITION EFFECTS.
- 14. ADD A DUAL MESSAGE (2 LINE).
- 15. MODIFY CONTENTS.
- 16. INSERT CONTENTS.
- 16. INDEX CONTENTS.
- 17. DELETE CONTENTS.
- 17. STOP WATCH.
- 18. OTHER OPTIONS.

## [ Package Includes ]

LED SIGN BOARD, Wire & Hook x2, Brackets x2, Remote, AAA Batteries x2, Manual book



**\*\*Protect your investment! Use Surge Protector.**

Surge protectors protect your electronic sign from power surges in your electrical system.

**!! TEST THE SIGN BEFORE INSTALLING !!**

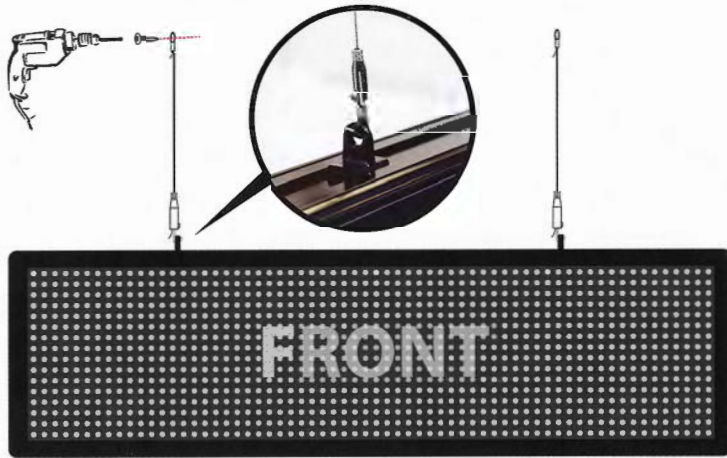
# REMOTE FUNCTION

1. Power
2. Menu
3. Color - Press button to change the color of each character.
4. Attribute - Press button to add an effect to each character.
5. Width - Press button to change the Width of each character.
6. Font - Press button to change the style of font.
7. Character Buttons - Input desired text / number.
8. KOR - Press button to Korean characters.
9. ENG - Press button for English Capital letters.
10. eng - Press button for English Lower letters.
11. NUM - Press button for numbers.
12. Delete - Press button delete character.
13. Space - Press button to space.
14. Copy - Press button to copy a character of effect.
15. ESC - Press once to cancel current selection. Press to go back.
- ▶ 16. SPEED - Press button to slow down the speed of the effect.
- ▶ 17. SPEED - Press button to speed up the speed of the effect.
- ▶ 18. EFFECT - Press button to change the style of the effect.
- ▼ 19. EFFECT - Press button to change the style of the effect.
20. OK - Press button to confirm a selection.
21. Neon - Press button for Neon effects.  
\*Press the UP&DOWN buttons to scroll through the available effect option.  
\*Press the Neon button again to toggle the effect on or off.
22. Fix - Press button to stretch or shrink the lettering size to fit into full screen at one time.
23. Demo - Press button to show Demo display contents and test led sign.
24. Special - Press button for large special letters and numbers.
25. Move - Press button for moving icons.
26. Icon - Press button for static icons.
27. Symbol - Press button for symbols.
28. Japanese, Chinese, Spanish, Russian, Hungarian, Arabic, Vietnamese - Press button to insert a character in that respective language for button used. Use the arrow buttons to select.
29. F1 - Press button to Timer / Stopwatch.

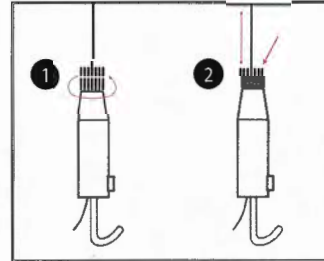


# INSTALLATION (INDOOR)

## □ WIRE HANGING KIT (INCLUDED) □

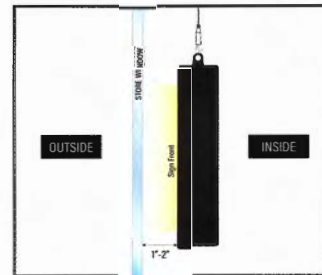


### <Adjusting the length of the hook>



- 1 Twist knob to open.
- 2 Press the knob downward and adjust the length by moving the hook up and down.

### <Installation on window hanging>

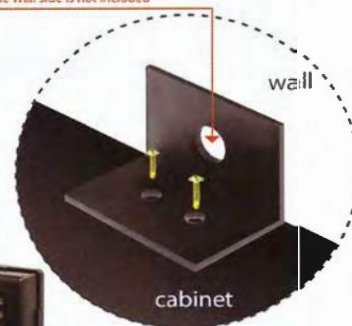


For proper ventilation, please leave 1 to 2 inches in between your sign and your window.

## □ WALL MOUNT (NOT INCLUDED) □

\* You can drill up to 1 inch from the side of the frame.

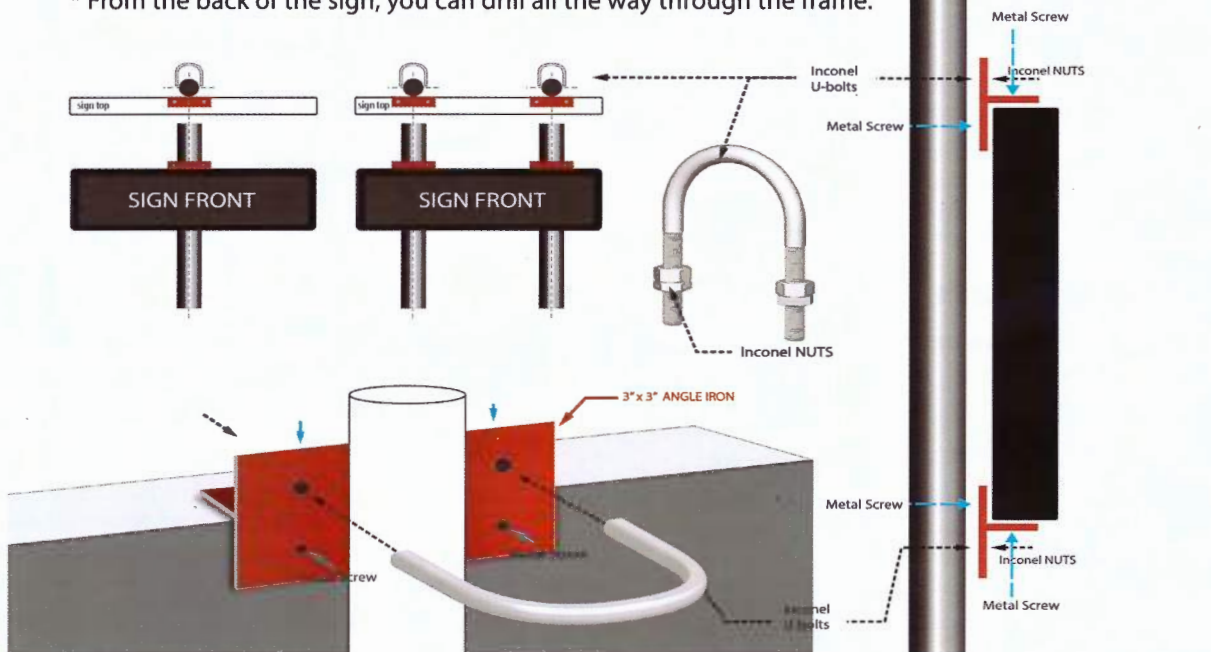
L-BRACKETx4, SCREWx8 | \*Screw for the Wall side is not included



# INSTALLATION (OUTDOOR)

## POLE MOUNT (NOT INCLUDED)

\* From the back of the sign, you can drill all the way through the frame.



We do not provide outdoor installation accessories. Installation can vary and may require different accessories depending on the size of the sign, location & position, supporting structure, etc.



# MENU AND SUB MENU TR

## [1] Add Contents

-Create New message content

- ① Add Message
- ② Add Dual Message
- ③ Add Image
- ④ Add Picture
- ⑤ Add Video
- ⑥ Display Date
- ⑦ Display Time
- ⑧ Add D-day
- ⑨ Add D-time
- ⑩ Add Temperature - Invalid option
- ⑪ Add Humidity - Invalid option
- ⑫ Add Event - Invalid option

## [2] Modify Contents

-Select an existing message to modify

- ① Select Content

## [3] Insert Contents

-Insert new content before an existing message

- ① Sentence Insertion
- ② Dual Message Insertion
- ③ Image Insertion
- ④ Picture Insertion
- ⑤ Video Insertion
- ⑥ Display Date
- ⑦ Display Time
- ⑧ D-day Insertion
- ⑨ D-time Insertion
- ⑩ Temperature -Invalid option
- ⑪ Humidity - Invalid option

## [4] Index Contents

-Enable & Disable existing content to be shown

- ① Select Content

## [5] Delete Contents

-Delete existing message

- ① Delete Option
- ② Delete All

## [6] Stop Watch

-Enable stop watch feature

- ① Increment Mode
- ② Decrement Mode

## [7] Password

-Prevents unauthorized changes to the sign

- ① Enter Password

## [8] Set Time

-Set current Time / Date and Timer On / Off

- ① Set time
- ② Set Date
- ③ Set Timer ON
- ④ Set Timer OFF

## [9] Setting up

-Additional display settings

- ① Reservation
- ② Sound
- ③ Direction
- ④ Password
- ⑤ Brightness

## [10] CDMA

## [11] TPEG News

-Not supported

## [12] Manager

-Not for customer's use



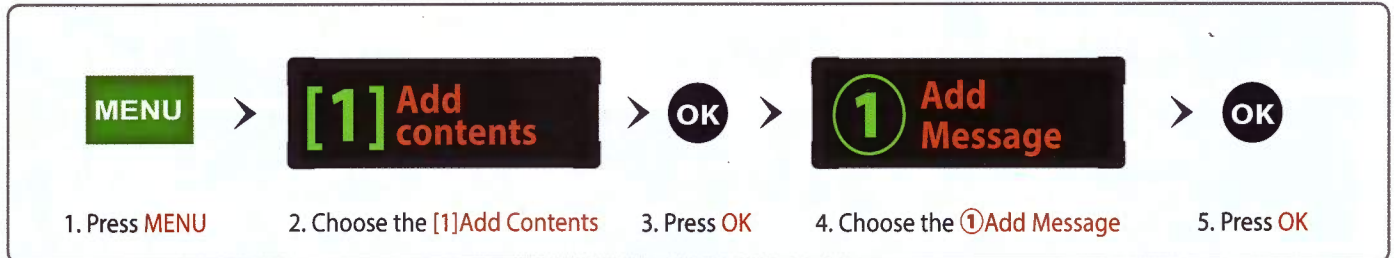
# EE

After you input your message, the sign will ask you for three effects you would like to use for how message will enter the display. How it will stay on display and how it will leave the display.

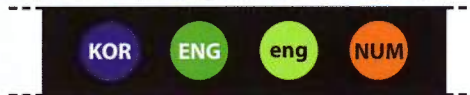


# ADD A MESSAGE

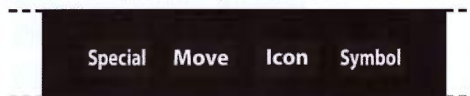
You can create up to 100 messages and up to 512 characters for each message including icons, symbol. You can also create independent messages with the date or the time.



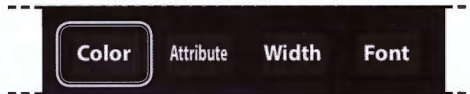
**SELECT A LANGUAGE :** KOR(Korean), ENG(English capital), eng(English lowercase), NUM(numbers)



**Input Text, Icon, Graphics & Symbols to Create Your Message**



**Edit the Colors, Attributes, Width & Font of Your Message**



Use the **COLOR** button function : to choose color for each message in the beginning.

**TEXT CHARACTERS**



Transition Effect (for messages that fit within the sign)

# SHORT MESSAGE

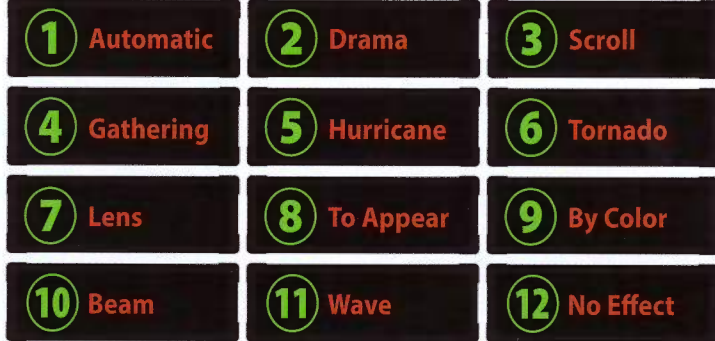
# TEST MSG1

Apply one transition effect \*For the (1) Automatic, you do not need to apply a Preservation or a Release effect, this effect will have the sign play random effect.

## 01 Insertion effect



Press OK



1. Choose an insertion effect category.
2. Press the down arrow to scroll through multiple effects within the desired insertion effect category.
3. Press OK. \*Left & Right Arrow keys for Speed

## 02 Preservation effect



Press OK

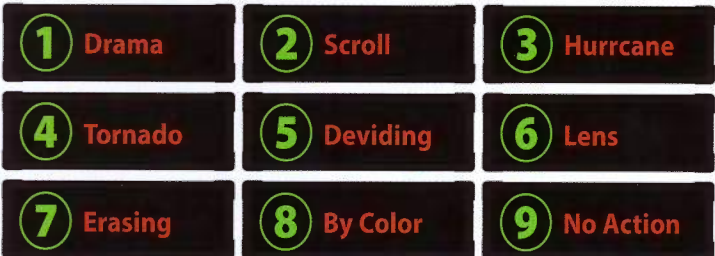


1. Choose a preservation effect category.
2. Press the down arrow to scroll through multiple effects within the desired preservation effect category.
3. Press OK.

## 03 Release effect



Press OK to finish



1. Choose a release effect category.
2. Press the down arrow to scroll through multiple effects within the desired release effect category.
3. Press OK.

Display a message longer than the width of your sign

# LONG MESSAGE

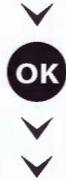


Apply one transition effect \*For the (1) Automatic, you do not need to apply a Preservation or a Release effect. this effect will have the sign play random effect.

## 01 Insertion effect



Press OK



1 Automatic	2 3D Effect	3 Scroll
4 Gathering	5 Hurricane	6 Tornado
7 Lens	8 To Appear	9 By Color
10 Beam	11 Wave	12 No Effect

1. Choose the 2 3D effect.  
(with 3D Effect, you do not need to apply a preservation or release effect)
2. Press the down arrow to choose 3D effect you want and press OK.
3. Press the left arrow to slow message down or the right arrow to speed it up.
4. Press OK.

**Use the FIX button function :**  
When your message is a couple characters too long / short fit into your sign



## Displaying a Message with No Transition Effects

# NO TRANSITION EFFECTS

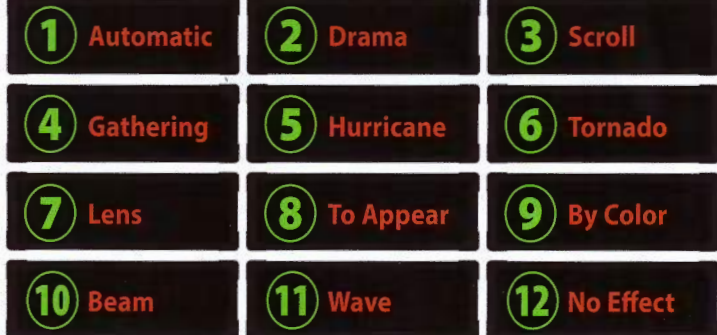
TEST MSG1

### Apply one transition effect

#### 01 Insertion effect



Press OK

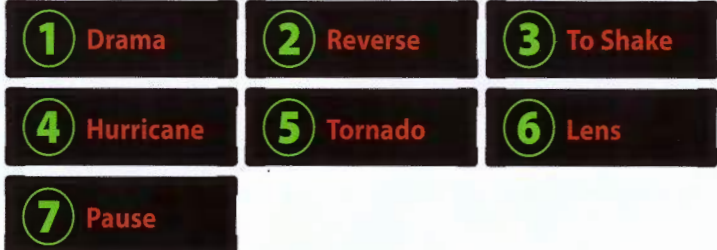


1. Select the effect ⑧ To Appear.
2. Press OK.

#### 02 Preservation effect



Press OK



1. Select the effect ⑦ Pause and choose the duration of time in seconds (up to 99 seconds)
2. Press OK.

#### 03 Release effect



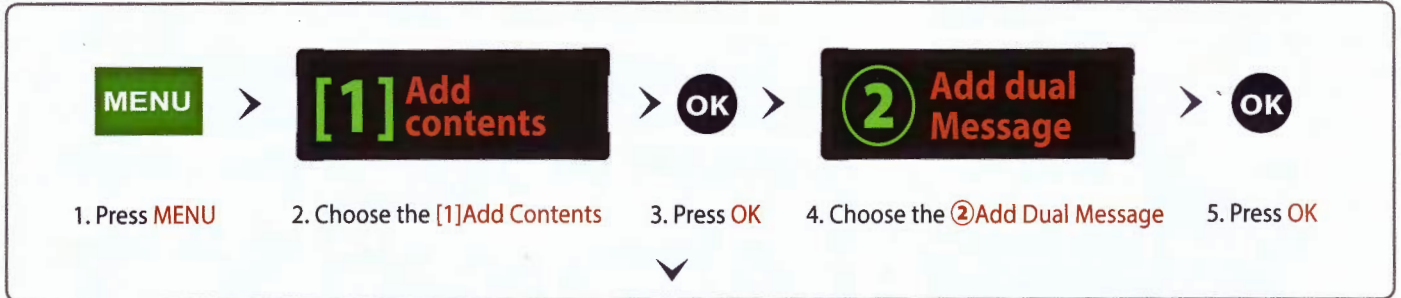
Press OK to finish



1. Select the effect ⑨ No Action.
2. Press OK.

# ADD DUAL MESSAGE

To have a Dual Message with the Top Line Stationary.



Input the message you desire & apply transition effects.

## 01 Insertion effect

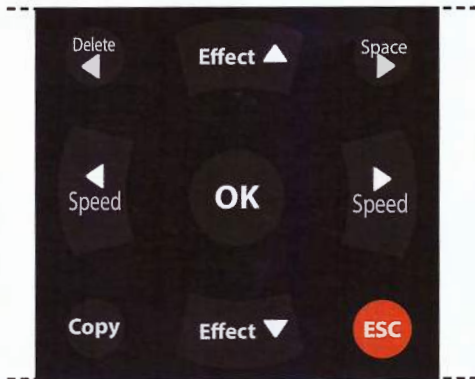


Press OK



1 Automatic	2 Drama	3 Scroll
4 Gathering	5 Hurricane	6 Tornado
7 Lens	8 To Appear	9 By Color
10 Beam	11 Wave	12 No Effect

1. Choose the To Pass effect.
2. (with To pass, You do not need to apply a preservation or Release effect)
3. Press the left arrow to slow your message down or the right arrow to speed it up.
4. Press OK.

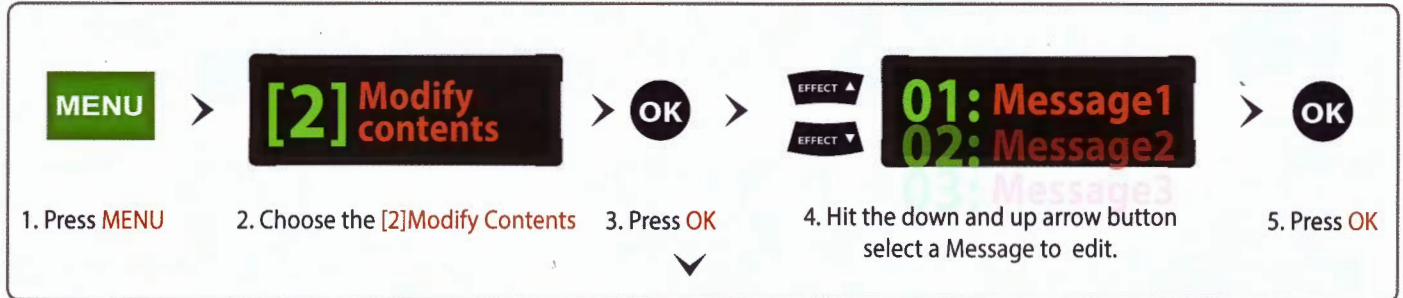


**\*\*You can not use the Special, Move or Icon, Symbol function for Dual messages.**



# MODIFY CONTENTS

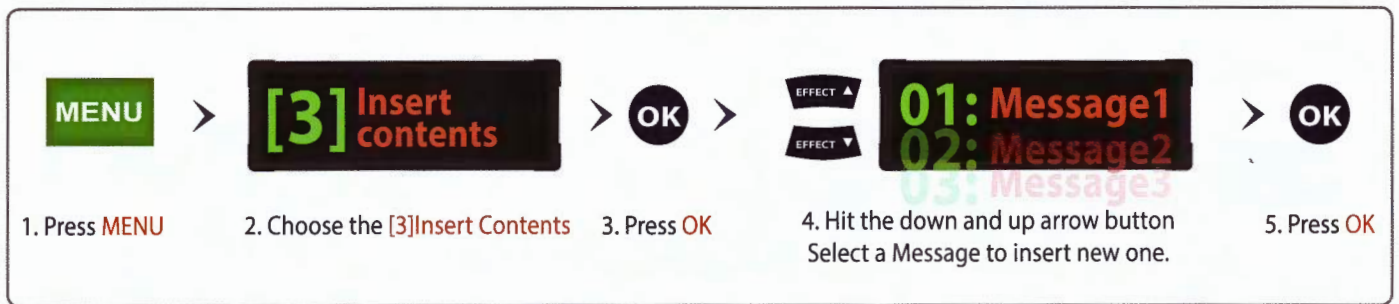
Modify your message. You can change the color, width, font styles and transition effect of your message.



Now you can change your text message.  
Please refer to "Add a Message" on page 8.

\* Note that you must go through the process of inputting your text and transition effects when modifying a message. You can bypass the modification of your text when you only want to change your transitions by simply pressing OK. However, if you only want to change your text, you must input your transition effects all over again.

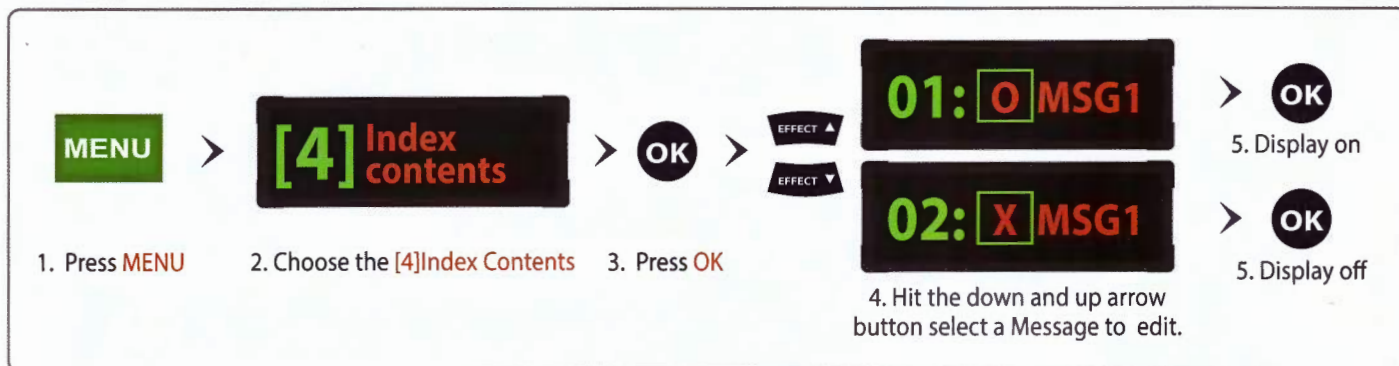
# INSERT CONTENTS



If you selected "02:Message2" Your new message will be No.2 and No.2 will be No.3

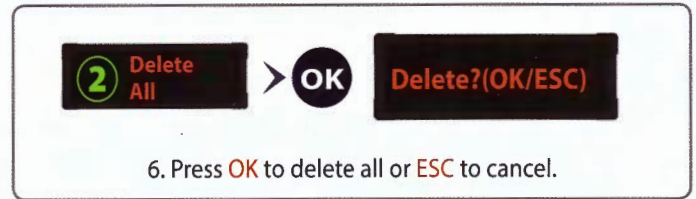
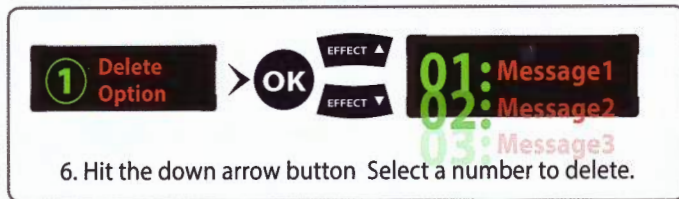
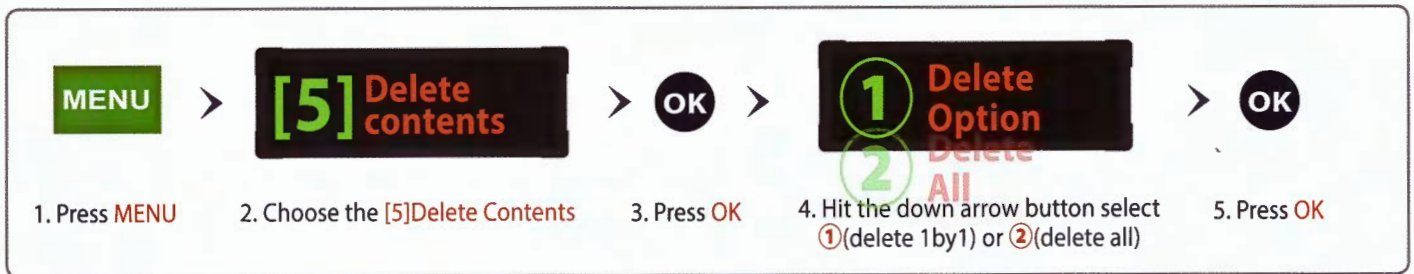
# INDEX CONTENTS

You can selectively display the message stored in memory by marking "O" or "X"



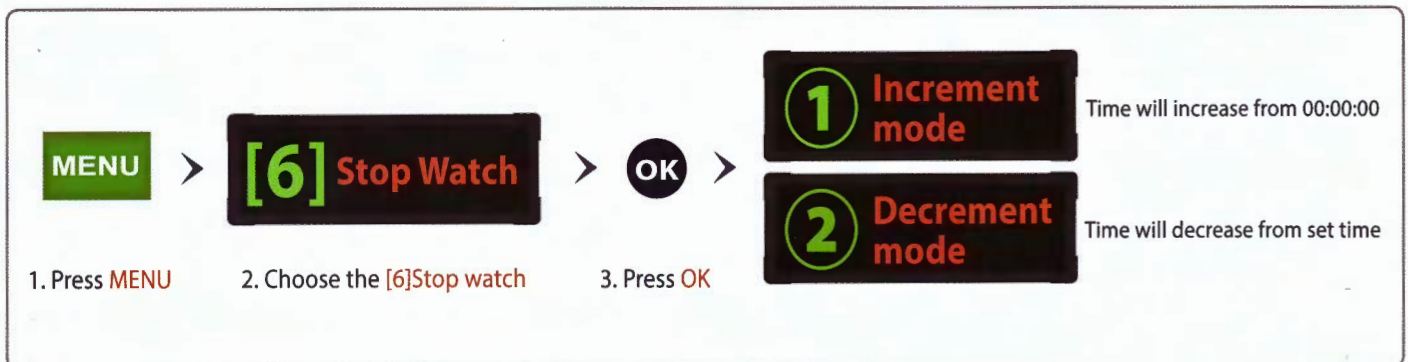


# DELETE CONTENTS



# STOP WATCH

To use timer function, please go to menu **[9]Setting up** and set **①Reservation** to "O".



# OTHER OPTIONS

## Password

1. Press **MENU**, press **[7]Password**, Press **OK**.
2. Enter a 4 digit password you can easily remember.
3. Re-Enter 4 digit password to confirm.

*\*To use the password function, please go to menu **[9] Setting up and set ④Password to "0"**.*

## Password Removal

1. Press **Power** to turn it off.
2. Press **COL** 4 times.
3. Press **ESC** 2 times.
4. Press the **UP arrow** to go to **[9] Setting up**.
5. Set **④Password** to "X".

## Set Time

1. Press **MENU**, press **[8] Set Time**, Press **OK**.
  - (1)Set time - Enter current time.
  - (2)Set Date - Enter today's date.
  - (3)Set Timer On - Enter the time your sign should automatically be turned ON.
  - (4)Set Timers Off - Enter the time your sign should automatically be turned OFF.

## Displaying Time

1. Press **MENU**, press **[1]Add contents**, Press **OK**.
2. Go to **⑥Display Date** and press **OK** 2 times.
3. Select desired effects.

## Displaying Date

1. Press **MENU**, press **[1]Add contents**, Press **OK**.
2. Go to **⑦Display Time** and press **OK** 2 times.
3. Select desired effects.

## Setting

1. Press **MENU**, press **[9]Setting UP**, Press **OK**.
  - (1) Reservation - The reservation function lets you enable/disable the timer.
  - (2) Sound - Turn the beeping sound on/off.
  - (3) Direction - This function lets you change the direction of the text(horizontal/vertical).
  - (4) Password - Function to turn the password on/off.
  - (5) Brightness - Function to set Brightness.

- \*Super Bright
- \*All Weather
- \*1 or 2 Line Message Display
- \*Energy Consumption: 5W - 38W per module
- \*Input power 110V
- \*Pixel pitch(0.5"/ 0.7"/1")
- \*Multiple languages
- \*Humidity 0-95%
- \*Operating temperature: -13F ~ 113F
- \*Real time clock & date
- \*Stop watch
- \*Neon tubing effect
- \*Adjustable 10 Level brightness
- \*Individual Sun visor(16" height or bigger)
- \*Premium SAMSUNG CPU Inside
- \*Infrared remote control with 100ft range
- \*Animating icons, symbols, graphics
- \*Adjustable message speed
- \*LED bulbs life span Approx. 10 years
- \*Timer on/off for your store open hours
- \*Create up to 100 messages
- \*Each message holds 512 letters

