■ Notice

☞ Do not plug in together with other several plugs at once.
The fire can be caused from overheating.

☞ Do not bend a plug byforece, and do not put any heavy article on a plug.
It can cause the fault of operation owing to inferior power, and the fire can
be caused from short circuit.

☞ Do not touch a plug with wet hand.
It can cause electric shock.

☞ Plug in certainly to prevent a plug from being shaken.
If the connection is not completed, the firece can be caused from overheating.

☞ Do not assemble or remodel the main body of electric signboard.
It can cause the danger of fire, electric shock, and injury owing to wrong operation.

☞ If there is smoke or strange smell from the product, stop using this product immediately,
power off, plug out, and then call to service center. It can cause the fire.

☞ Do not give any shock to product or drop this during the carriage.
It can cause the defect.

☞ Fix the product firmly not to be dropped.
If the product falls off, it can cause defect and damage.

☞ Keep this product away from vibration or magnet.
It can cause the defect.

☞ Do not disassemble a remote control.
It can cause the defect.

CONTENTS

■ Before Use

◆ Features of Product

▶ Free adjustment of SIZE
  1 column 6 lines basis, Module can be reduced and expanded by request of customers.
▶ More than 4 times Brighter
  Brightness is increased by adopting 1/8 Duty Way
▶ 100% water-proof (Outdoor)
  Full water-proof using special silicon coating of U.S Dowcorning
▶ Development of our own Korean-input Remote control
  It is possible to input Korean characters easily with our own Korean-input way, and also
  to use accurately owing to beep made when pushing the button of remote control.
▶ Auto Electric Signboard ON/OFF
  Turn On/Off electric signal board by setting service time with Start/End/Reserve function
▶ Display of Date/Time
  Various graphic effects of TIME/DATE can be displayed with Watch Chip built in electric
  signalboard, and Event Period can be displayed more effectively by adding D-Day as well.
▶ 6 kinds of font available
  Unlike previous product applying 2~3 kinds of font, this product can realize various
  expression with 6 fonts.
▶ Each character can express 20 separate effects
▶ Special effects more than 100 kinds
  It is possible to realize various expression that cannot be realized with previous product.
▶ Thin and light external frame
  Thin and beautiful frame adopting aluminum frame
▶ Convenient adjustment of remote control
  It is possible to conveniently adjsut remote control by adopting the same way as
  mobile phone.
▶ Simple installation
▶ Reliable and fast A/S
  We provide exchange service and A/S for any defective product during the warranty
  period, and any maintenance is not necessary after installation.

■ Name and Function of Remote Control Buttons
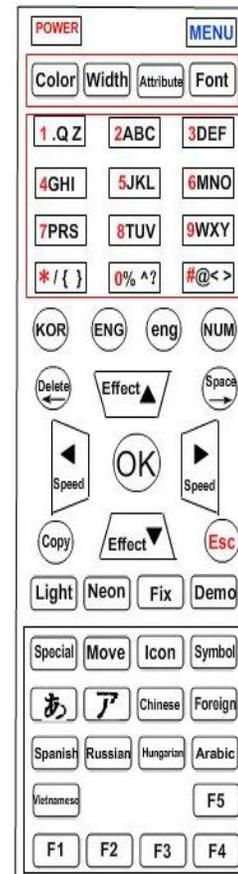
Power button is used to Power On/OFF
Menu button is used to activate the control function of electric sig
COL button is used to change color of character
Width button is used to adjust the size of character.
EFF button is used to give effect to character
Font button is used to change font
KOR button is used to input Korean characters
ENG button is used to input English capitals
eng button is used to input English small letters
NUM button is used to input numbers
Delete button is used to delete previous character
Space button is used to add blank
Effect button is used to select various kinds of effect or menu
Speed button is used to adjust the speed of each effect
OK button is used to select function
Light button is used to give light effect
ESC button is used to cancel the input of function and character
Copy button is used to give color or effect to previous character
DEMO button is used to demo several effects
Neon button is used to add neon effect
Fix button is used to fix character in the center
SPE button is used to input special characters
Move button is used to insert animation
Icon button is used to input stop icon
SYM button is used to input symbols
あ button is used to input Japanese Hirakana
ア button is used to input Japanese Katakana
CHI button is used to input Chinese characters
LANG button is used to input the third foreign language

◆ How to input characters with remote control

▶ When inputting "啊"

$A B C$ *1 → CHI → OK

▶ When inputting "标"

$A B C$ *2 → $G H I$ *3 → $A B C$ *1
→ $M N O$ *3 → CHI → OK

▶ When inputting "黑"

$G H I$ *2 → $D E F$ *2 → $G H I$ *3
→ CHI → ◁ ▷ After selecting characters → OK

▶ When inputting Symbol Characters

SYM → ◁ ▷ After Selecting → OK

▶ When inputting Special Characters and Icon

SPE / Icon → ◁ ▷ After Selecting → OK

▶ When inputting Animation

Move → ◁ ▷ After Selecting → OK

▶ When giving font, color, outline, and effect to characters,
move a cursor to relevant character with the key 'Left/Right', and then modify it with the key
"Color", "Width", "Effect", and "Font".

◆ How to input basic advertisement in electric signalboard

▶ Push the button "Menu" on remote cont`
▶ When the menu "1:ADD.APPEND" is on screen, push the button "OK".
▶ When the menu "①Add.Text" is on screen, push the button "OK".
▶ When the message "ADD.TEXT" is displayed and then disappeared,
add desirable advertisement text.
▶ When text is added, push the button "OK". Then "SEL.START EFFECT"
is displayed and disappeared.
▶ When the message "①Eff.Auto" is on screen, push the button "Up/Down" to select Start Effect,
and then push the button "OK" to preview designated effect. In the state of preview, push the butt
"Up/Down" to modify the direction or type of effect, and push the button "Left/Right"
to modify the speed of effect. After deciding desirable setting, push the button "OK" to save
START EFFECT.
▶ When START EFFECT is set, the message "SEL.WAIT EFFECT" is displayed and then disappeared
Select the maintenance effect with the button "Up/Down" to preview. In the sate of preview,
push the button "Up/Down" to modify the direction or type of effect, and
push the button "Left/Right" to modify the speed of effect. After deciding desirable setting, push
"OK" to save WAIT EFFECT.
▶ When WAIT EFFECT is set, the message "WAIT TIME[03]" is on screen. Set WAIT TIME, and push
the button "OK" to save WAIT TIME.
▶ When the message "SEL.END EFFECT" is displayed and then disappeared, select effect
with the button "Left/Right". Decide END EFFECT, and then push the button "OK" to preview.
In the state of preview, push the button "Up/Down" to modify the direction or type of effect, and
the button "Left/Right" to modify the speed of effect. After deciding desirable setting, push
the button "OK", then the message "COMPLETE" is displayed and then disappeared,
and all advertisement effects are saved.
When the message "1:AD.APPEDN" is on screen, push the button "CANCEL"
to display advertisement text on electric signalboard.

■ How to use menu function

◆ Menu List

1: AD.APPEND
　①ADD.TEXT　②ADD.IMAGE　③ADD.MOVIE　④ADD.ANIMA
　⑤ADD.DATE　⑥ADD.TIME　⑦ADD.D-DAY

2: AD.RESERVE

3: AD.MODIFY
4: AD.LIST
5: AD.INSERT

6: AD.DELETE
　①DEL.ONE　②DEL.ALL

7:ST.TIME
　①ST.DATE　②ST.TIME
　③ON TIME　④OFF TIME

8:ST.PROD
　①POWER(X)
　②BEEP(O)
　③DIRECTION(HORIZONTAL)
　④PASSWORD(X)
　⑤BRIGHTNESS

1. AD.APPEND
　①ADD.TEXT
▶　Push the button "Menu" on remote control.
▶　When the message "1:AD.APPEND" is on screen, push the button "OK".
▶　When the message "①ADD.TEXT" is on screen, push the button①OK".
▶　When the message "ADD.TEXT" is displayed and then disappeared, cursor flickers on the left side
▶　After adding desirable advertisement, move a cursor to relevant character with the button "Left/Ri
　　and then push the button "Color", "Width", "Effect", and "Font" to embody various
　　fonts and attributes.
▶　When advertisement text is input, push the button "OK", the message "SEL.START EFFECT"
　　is displayed and disappeared.
　　※ What is START EFFECT? The effect when the advertisement text is initially displa
▶　 The message "①Eff.Auto" is on screen. Push the button "Up/Down", and then the menu '02:Eff.
　　03:Eff.View 04:Eff.Scroll 05:Eff.Wave 06:Eff.Zoom 07:Eff.Color 08:Eff.Twist 09:Eff.None'
　　is displayed on screen, and user can select one menu with the button"OK".

▶　Select desirable START EFFECT with the button "OK" to preview designated effect.
　　In the state of preview, push the button "Up/Down" to modify the direction or type of effect, and
　　the button "Left/Right" to modify the speed of effect.
　　Push the button "OK" again to save START EFFECT after deciding
　　desirable effect(Push the button "CANCEL" to go back to previous menu
　　after selecting effect).

※　On the basis of 1 column 6 lines, when advertisement text exceeds 6 characters,
　　it will be displayed with being scrolled to the left after the setting is displayed.
　　In the state of preview, push the button "NEON" to input "Neon Effect" when adding text,
　　and NEON EFFECT is expressed. Push the button "Up/Down" continuously,
　　and NEON effect is expressed in various forms.

▶ When START EFFECT is set, the message "SEL. WAIT EFFECT" is displayed,
and then disappeared.

> ※ What is WAIT EFFECT? The effect is displayed for the fixed time at a standstill
> while advertisement is being fixed on screen after START EFFECT is finished.

▶ After the message "SEL.WAIT EFFECT" is disappeared, the message "①Eff.Auto" is
on screen. Push the button "Up/Down" to select "①Eff.Auto ②Eff.Anim ③Eff.View
④Eff.Wave ⑤Eff.Zoom ⑥Eff.Color ⑦Eff.Twist ⑧Eff.None

▶ Select WAIT EFFECT to preview. In the state of preview, push the button "Up/Down"
to modify the direction or type of effect, and push the button "Left/Right"
to modify the speed of effect. After deciding desirable effect, push
the button "OK" again to save WAIT EFFECT.

▶ When WAIT EFFECT is set, the message "WAIT TIME[03]" is on screen. WAIT TIME
can be set in seconds from 01 to 99, and [03] means 3 seconds.
Set WAIT TIME, and push the button "OK" to save WAIT TIME.

▶ When the message "SEL.END EFFECT" is displayed and then disappeared,
the message"①Eff.Auto" is on screen. Push the button "Up/Down" to select
①Eff.Auto ②Eff.Anim ③Eff.View ④Eff.Scroll ⑤Eff.wave ⑥Eff.Zoom
⑦Eff.Color ⑧Eff.Twist ⑨Eff.None.

▶ Select END EFFECT to preview. In the state of preview, push the button "Up/Down"
to modify the direction or type of effect, and push the button "Left/Right"
to modify the speed of effect. After deciding desirable effect, push the button
"OK" again, and the message "COMPLETE" is displayed and then disappeared,
adding text is completed, and the message "①AD.APPEND" is on screen again.

Repeat the process above to add text continuously, and push the button
"CANCEL" or "MENU" to complete.

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②ADD-ENG-2L

③ADD.IMAGE
▶ Push the button "Menu" on remote control.
▶ When the message "1:AD.APPEND" is on screen, push the button "OK".
▶ When the message "②Add.Image", push the button "OK".
▶ Input in the same way as "①ADD.TEXT".

④MOVIE, ⑤ANIMATION
▶ Push the button "Menu" on remote control.
▶ When the message "1:AD.APPEND" is on screen, push the button "OK".
▶ When the message "③MOVIE" is on screen, push the button "OK".
▶ Input in the same way as "①ADD.TEXT".

⑥ADD.DATE
▶ Push the button "Menu" on remote control.
▶ When the message "1:AD.APPEND" is on screen, push the button "OK".
▶ When the message "⑤Add.Date" is on screen, push the button "OK".
▶ Input in the same way as "①ADD.TEXT".

⑦ADD.TIME
▶ Push the button "Menu" on remote control.
▶ When the message "1:AD.APPEND" is on screen, push the button "OK".
▶ When the message "⑥Add.Time" is on screen, push the button "OK".
▶ Input in the same way as "①ADD.TEXT".

⑧D-DAY ⑨D-TIME
▶ ⑤ADD.DATE and ⑥ADD.TIME should be implemented before ADD.D-Day.
▶ Push the button "Menu" on remote control.
▶ When the message "1:AD.APPEND" is on screen, push the button "OK".
▶ When the message "⑦Add.D-Day" is on screen, push the button "OK".

⑩ADD-TEMP

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■ HOW TO USE MENU FUNCTION 3

▶ When the message "09/03/03" is on screen, move a cursor to Y/M/D with the button
"Left/Right",and then set Y/M/D with the button "Up/Down'.
Push the button "OK" after setting, and the message "Complete" is displayed for a little while,

▶ and then disappeared, then the message "ADD.D-DAY" is displayed. When a cursor flickers
on the right side, and D-0 is on screen, input D-DAY, and push the button "OK"
to save D-DAY.

▶ The color effect of ''D-0" can be modified with the button 'Light'.

2. AD.RESERVE

This function is to express added text at the designated time.
※ The saved reservation is expressed at the designated time everyday.
※ The expression of saved reservation can be set in MAIN MENU"AD.LIST".

①RSV.Event

▶ Push the button "Menu" on remote control.

▶ When the message "1:AD.APPEND" is on screen, select AD.RESERVE with the button
"Up/Down",and then push the button"OK". Then when the message"①RSV.Event"is on
screen, push the button "OK", and then when the message "ADD.TEXT" is on screen,
push the button "OK" after adding text, and input in the same way as "①ADD.TEXT

②RSV.Time

▶ Push the button "Menu" on remote control.

▶ When the message "1:AD.APPEND" is on screen, select AD.RESERVE with the button
"Up/Down",and then push the button"OK". Then when the message "①RSV.Event" is
on screen, push the button "OK".

▶ Push the button "OK" after selecting desirable event from Event List inserted
"①RSV.Event", and then input On Time and Off Time of Event in order.

3. AD.MODIFY

This function is to modify the previously saved TEXT/DATE/TIME/D-DAY/EVENT.

▶ Push the button "Menu" on remote control.

▶ When the message "1:AD.APPEND" is on screen, select "3:AD.MODIFY" with the
button "Up/Down", and then push the button "OK".

▶ Previously saved TEXT/DATE/TIME/D-DAY/EVENT are displayed in the form of
"01:CONTENT".

▶ Select desirable text to modify with the button "Up/Down", and then
push the button "OK".

▶ After modifying advertisement, push the button "OK" to set START EFFECT/WAIT EFFECT/
END EFFECT again in the same way as "AD.APPEND".

4. AD.LIST

This function is to select the expression of the saved advertisement such as
TEXT/DATE/TIME/D-DAY/EVENT. O: ON / X: OFF

▶ Push the button "Menu" on remote control.

▶ When the message "1:AD.APPEND" is on screen, select "3:AD.MODIFY" with the
button "Up/Down", and then push the button "OK".

▶ Previously saved TEXT/DATE/TIME/D-DAY/EVENT are displayed in the form of
"01:CONTENT".

▶ Select desirable text to modify with the button "Up/Down", and then
push the button "OK".

▶ Push the button "Left/Right" to express the selected advertisement.

5. AD.INSERT

This function is to add new advertisement between the previously saved
TEXT/DATE/TIME/ D-DAY/EVENT.

▶ Push the button "Menu" on remote control.

▶ When the message "1:AD.APPEND" is on screen, select "4:AD.INSERT" with the button
"Up/Down",and then push the button "OK".

▶ Previously saved TEXT/DATE/TIME/D-DAY/EVENT are displayed in the form of
"01:CONTENT".

▶ Push the button "Up/Down" to decide the desirable position of advertisement, and then
push the button "OK".
※ For example, push the button"OK" in No.2 to insert new TEXT
between advertisement No.1 and No.2.

▶ Then input in the same way as "①ADD.TEXT".

6. AD.DELETE

This function is to delete the previously saved TEXT/DATE/TIME/D-DAY/EVENT
partially or entirely. ※ Caution: Deleted advertisement cannot be restored.
Please, check before deleting advertisement.

①DELETE ONE

▶ Push the button "Menu" on remote control.
▶ When the message "1:AD.APPEND" is on screen, select "5:AD.DELETE" with the
button "Up/Down", and then push the button "OK".
▶ When the message "①DEL.ONE" is on screen, push the button "OK" immediately, and
the message "01:CONTENT" is on screen.
▶ Push the button "Up/Down" to decide the position of desirable advertisement to delete,
and then push the button "OK" to delete the relevant advertisement.

②DEL.ALL

☞Caution: All the saved advertisements are deleted.

▶ Push the button "Menu" on remote control.
▶ When the message "1:AD.APPEND" is on screen, select "5:AD.DELETE" with the button
"Up/Down", and then push the button "OK".
▶ When the message"①Del.One" is on screen, push the button"Up/Down"to select "②Del.All",
then push the button "OK" immediately, and the message "DELETE?(Y/N)" is on screen.
Then push the button "OK" to delete all the advertisements, and the message "COMPLETE"
is on screen.

7. ST.TIME

This function is to display DATE/TIME, and set ON TIME/OFF TIME.

①ST.DATE

▶ Push the button "Menu" on remote control.
▶ When the message "1:AD.APPEND" is on screen, select "6:ST.TIME" with the button
"Up/Down", and then push the button "OK".
▶ When the message"①ST.DATE"is on screen,push the button"OK",and present date is displayed.
▶ When the present date, for example "09/03/03", is on screen, move a cursor to Y/M/D
with the button "Left/Right", and then push the button "Up/Down" to set
desirable date to modify.
▶ After setting date, push the button "OK" to save new date, and the message "COMPLETE"
is on screen.

②ST.TIME

▶ Push the button "Menu" on remote control.
▶ When the message "1:AD.APPEND" is on screen, select "6:ST.TIME" with the button "Up/Down",
and then push the button "OK".
▶ When the message "①ST.DATE" is on screen, push the button "Up/Down" to select "②ST.TIME",
push the button "OK", and the present time is on screen, for example "10:01:10".
▶ Move a cursor to HOUR/MINUTE/SECOND with the button "Left/Right", and then push th
"Up/Down" to set desirable time.
▶ After setting time, push the button "OK" to save new date, and the message "COMPLETE"
is on screen.

③ON TIME/④OFF TIME

▶ Push the button "Menu" on remote control.
▶ When the message "1:AD.APPEND" is on screen, select "6:ST.TIME" with the button "Up/Down",
and then push the button "OK".
▶ When the message "①ST.DATE" is on screen, push the button "Up/Down" to select "③ON TIME/
④OFF TIME", and then push the button "OK".
▶ When the present time is on screen, move a cursor to AM/PM, HOUR, MINUTE with the button
"Left/Right", and then push the button "Up/Down" to set desirable time.
▶ After setting time, push the button "OK" to set ON TIME/OFF TIME, and the message
"COMPLETE" is on screen.
▶ With this function, it is possible to turn electric signaloard ON/OFF for desirable time.

7. ST.PRODUCT

This function is used to turn ON/OFF power, beep, direction, password, brightness, etc.

▶ Push the button "Menu" on remote control.

▶ When the message "1:AD.APPEND" is on screen, select "7:ST.PROD" with the button
  "Up/Down", then push the button "OK", and the message "①ResvX" is on screen.

▶ Push the button "Up/Down" to select ①POWER ②BEEP ③DIRECTION ④PASSWORD
  ⑤BRIGHTNESS, then push the button"OK", and the relevant function is changed to O/X.
  (O: On, X: Off)

▶ When option setting is completed, push the button "CANCEL".

---

①ST.POWER means the operation condition after setting ON TIME/OFF TIME.
  (O: On, X: Off)
②BEEP means the sound made when pushing the button of remote control.
  (O: On, X: Off)
③DIRECTION is the function to change the direction of electric signalboard.
  (Horizontal, Vertical)
④PASSWORD is to prevent advertisement from being modified by other person at random.
  (O: On, X: Off)
⑤BRIGHTNESS is to modify the brightness of electric signalboard
  to DAY/NIGHT mode.(Level 1~10)

■ KIND OF EFFECT

◆ **KIND OF START EFFECT**

① **Eff.Auto**   Display effect automatically without any appointment

② **Eff.Anim**   Various animation effects

③ **Eff.View**   Display characters directly on screen in several types

④ **Eff.Scroll**   Scroll in order of left/right/up/down

⑤ **Eff.Wave**   Wave left/right/up/down

⑥ **Eff.Zoom**   Zoom characters in several directions

⑦ **Eff.Color**   Separate/Mix characters according to color

⑧ **Eff.Twist**   Diplay characters in twisted shape

⑨ **Eff.None**   Dispplay without any effect

◆ **KIND OF WAIT EFFECT**

① **Eff.Auto**   Display effect automatically without any appointment

② **Eff.Anim**   Various animation effects

③ **Eff.View**   Display characters directly on screen in several types

④ **Eff.Wave**   Wave left/right/up/down

⑤ **Eff.Zoom**   Zoom characters in several directions

⑥ **Eff.Color**   Separate/Mix characters according to color

⑦ **Eff.Twist**   Diplay characters in twisted shape

⑧ **Eff.None**   Dispplay without any effect

◆ **KIND OF END EFFECT**

① **Eff.Auto**   Display effect automatically without any appointment

② **Eff.Anim**   Various animation effects

③ **Eff.View**   Display characters directly on screen in several types

④ **Eff.Scroll**   Scroll in order of left/right/up/down

⑤ **Eff.Wave**   Wave left/right/up/down

⑥ **Eff.Zoom**   Zoom characters in several directions

⑦ **Eff.Color**   Separate/Mix characters according to color

⑧ **Eff.Twist**   Diplay characters in twisted shape

⑨ **Eff.None**   Dispplay without any effect

■ APPENDIX(1)

◆ REPAIR & INSPECTION

1. When Power of electric signal board cannot be ON

   1) check if the plug is in an outlet.

   2) Please, plug out from an outlet, and then plug in again 10 seconds later.

   ※ If it does not work after following procedure above 3 times, please request A/S.

2. When a remote control is not working

   1) Use a remote control in accurate position, because the responsor is in the middle
     on the right side of electric signalboard.

Remote Controller   Sensor Location
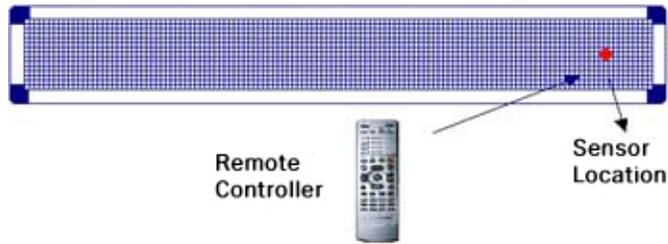
   2) Check if the battery is in remote control, and it is used for too long time.

   3) If there is any defect, please request A/S.

◆ Standard and Option of Product

PRODUCT NAME	LED Signboard(Remote Control Type)
ENVIRONMENT	Indoor/Outdoor
LUMINOUS COLOR	Single color(Red, Yellow)
	3-Color(Red/Green/Yellow, Blue), Full color
EXTERNAL COLOR OF PRDUCT	Black
	Silver
COMMUNICATION	Infrared remote control/ PC(option)
RATED INPUT VOLTAGE	AC85-250V(single color) / AC220V(3 Color)
	/ 50 / 60Hz, DC12V/ 24V, 2M(for car)
POWER CONSUMPTION	Mean power consumption 20W/ Max. 40W(single color)
	Mean power consumption 40W/ Max. 80W(3-color)
CAPACITY OF MEMORY	Maximum 100 Texts in Korean(256 characters) and in English(512 characters) can be input
POWER CODE	AC 220V

◆ **Management Menu**

BASIC LANGUAGE/NUMBER OF COLUMNS/COLOR can be set and tested before

　deliverying the product.

　※ In the event of modifying settings on some menu, the settings of advertisemer

　　product are initialized.

　※ How to select Management Menu

　　① If DEMO or ADVERTISEMENT is on replay,push the button"POWER"to POWER OFF.

　　② When POWER is OFF, push the button**"Font"** 4 times to enter in TEST MODE.

　　③ In TEST MODE, push the button**"CANCEL"** to enter into MANAGEMENT MENU.

① **MANUFACTURE**

This menu is to modify a manufacturing company.

▶ In MANAGEMENT MENU, push the button "Up/Down" to select

　"[1] MANUFACTURE", and then push the button "OK".

▶ It is possible to modify a manufacturing company, and set TEXT EFFECT in the same

　way as MAIN MENU 'AD.APPEND>ADD.TEXT'.

　※ It is possible to set color, width, and font of character, except effect.

② **VERSION**

This menu is to check the firmware version of controller.

③ **PRODUCTION**

This menu is to check the date of manufacture of controller.

④ **TEST**

This menu is to test color and line of LED.

　※ This menu is basically run when MANAGEMENT MENU is selected.

⑤ **COLUMN**

This menu is to modify the number of columns.

※ Advetisement is expressed with the number of columns, apart from the number of

　columns of real product. Check the number of columns before modifying.

▶ In MANAGEMENT MENU, push the buton "Up/Down" to select the menu " 【5】 COLUMN",

　and then push the button "Left/Right" to modify the number of columns.

⑥ **COLOR**

This menu is to set the color that product can express.

※ Color expressed by controller is set, apart from color that real product can express.

　When setting color to single color, advertisement is expressed in single color,

　even if electric signalboard can express it in more than 3 colors.

▶ In MANAGEMENT MENU, push the button "Up/Down" to select the menu " 【6】 COLOR",

　and then push the button "Left/Right" to modify color.

　1 : Single color(R or G), 3 : 3 Colors(R,G,Y)

⑦ **LANGUAGE**

This menu is to set basic language of product. When adding MENU and TEXT,

basic language is changed according to language setting.

※ KOR - Korean Menu, Insert Korean / ENG - English Menu, Insert English /

　CHN - Chineses Menu, Insert Chinese

▶ In MANAGEMENT MENU, push the button "Up/Down" to select the menu " 【7】 COLOR",

　and then push the button "Left/Right" to modify language.

　and then push the button "Left/Right" to modify language.

■ APPENDIX(3)

◆ Special character input(Symbol, ICON, Language)

① Special Characters (**SPE** Button)

/ 0 1 2 3 4 5 6 7 8 9 ! ~ ₩ $ √ £ ¥ F ‰ № ℃ ™ a.m. p.m. Tel ℃ Ⅽ Ⅾ ¤ °F‰ А В Г Δ Е Ζ Н Θ
Ι Κ Λ Μ Ν Ξ Ο Π Ρ Σ Τ Υ Φ Χ Ψ Ω α β γ δ ε ζ η θ ι κ λ μ ν ξ ο π ρ σ τ υ φ χ ψ ω
ⅰ ⅱ ⅲ ⅳ ⅴ ⅵ ⅶ ⅷ ⅸ ⅹ Ⅰ Ⅱ Ⅲ Ⅳ Ⅴ Ⅵ Ⅶ Ⅷ Ⅸ Ⅹ $\mu\ell$ mℓ dℓ ℓ kℓ cc mm² cm² m² km² μmm² cm² m³ μg cal kcal m/s m/s² μs
μV pA μA pW nW μW kHz MHz GHz THz Ω kΩ MΩ pF nF μF mol cd rad rad/s rad/s² % ‰ kPa MPa GPa Bq Gy

② Move ICON (**Move** Button) : 193 ea

Move ICON is composed of 4 frames.

2~6 ICONs are connected according to the kind of ICON.

③ ICON(**Icon** Button) : 52 ea

※ ☆ ★ ○ ● ◎ ◇ ◆ □ ■ △ ▲ ▽ ▼ → ← ↑ ↓ ↔ ═ ≪ ≫ ◁ ◀ ▷ ▶ ♤ ♠ ♡ ♥ ♧ ♣ ⊙ ◈ ▣ ◐ ◑ ▦ ▤ ▥
▨ ▧ ▦ ▨ ♨ ☏ ☎ ☜ ☞ ♬ ㉾ ㈜

④ IBM-ANSI(**SYM** Button) : 48 ea

! " # $ % & ' () * +, -. / : ; < = > ? @ [₩] ^_ ` { | } ~";
　Some characters cannot be displayed on manual according to the difference in
　　expressing WINDOW Characters.

⑤ Japanese(**あ/ア**Button)

ぁあぃいぅうぇえぉおかがきぎくぐけげこごさざしじすずせぜそぞただちぢっつづてで
とどなにぬねのはばぱひびぴふぶぷへべぺほぼぽまみむめもゃやゅゆょよらりるれろ
ゎわゐゑをん
ァアィイゥウェエォオカガキギクグケゲコゴサザシジスズセゼソゾタダチヂッツヅテデ
トドナニヌネノハバパヒビピフブプヘベペホボポマミムメモャヤユュヨョラリルレロ
ヮワヰヱヲンヴヵヶ

④ Chinese Characters (**CHI Button**)

This menu is to shift Korean->Chinese, English->Chinese.
　- Select Chinese Characters when Chinese List corresponding to the pronunciation
　　of Korean is on screen.
　- With Pinyin insert way, select English Characters from List after inserting
　　pronunciation in the same way as Korean.

⑦ English& Symbol(**LANG Button**) : 118 ea

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n
o p q r s t u v w x y z А Б В Г Д Е Ё Ж З И Й К Л М Н О П Р С Т У Ф Х Ц Ч Ш Щ Ъ
Ы Ь Э Ю Я а б в г д е ё ж з и й к л м н о п р с т ф х ц ч ш щ ъ ы ь э ю я

⑧ Characters in Circle & Parentheses(**F1/F2 Button**) : 113 ea

㉠ ㉡ ㉢ ㉣ ㉤ ㉥ ㉦ ㉧ ㉨ ㉩ ㉪ ㉫ ㉬ ㉭ ㉮ ㉯ ㉰ ㉱ ㉲ ㉳ ㉴ ㉵ ㉶ ㉷ ㉸ ㉹ ㉺ ㉻ ⓐ ⓑ ⓒ ⓓ ⓔ ⓕ ⓖ ⓗ ⓘ ⓙ ⓚ ⓛ
ⓜ ⓝ ⓞ ⓟ ⓠ ⓡ ⓢ ⓣ ⓤ ⓥ ⓦ ⓧ ⓨ ⓩ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ½ ⅓ ⅔ ¼ ¾ ⅛ ⅜ ⅝ ⅞ ㈀ ㈁
㈂ ㈃ ㈄ ㈅ ㈆ ㈇ ㈈ ㈉ ㈊ ㈋ ㈌ ㈍ ㈎ ㈏ ㈐ ㈑ ㈒ ㈓ ㈔ ㈕ ㈖ ㈗ ㈘ ㈙ ㈚ ㈛ (a)(b)(c)(d)(e)(f)(g)