

LED Message Board

JE-P17.5RG-XXXX

User Manual

**1. Safety attentions**

- Please insert power supply accurately, or else it is likely to cause fire because of over heat.
- Please don't insert several power supplies at one time. If that, it may cause fire because of over heat.
- Please don't bent power supply. Escape deformation from stress. If that, it cannot work normally because of malpowersupply, even cause fire.
- Please pull out socket and contact with service center if smoke and peculiar smell gives out. If continue using, fire can be caused.
- Please hold power supply with dried hands, or else you will get an electric shock.
- Escape from reforming display itself, or else electric shock and fire can be caused.
- Escape from striking or dropping when display is in transit, or else it will cause malfunction in display.
- Make sure display fixups very well, in case of damage to the the display and human body.
- Escape from vibration and magnetite in order to avoid malfunction.
- Keep off tearing down remote controller freely.

2. Product features

2.1 Super pixels: Support 480 dots in height at most ;Support 320 dots in length at most.

2.2 Remote controller controlling, the program language of the screen supports Chinese, English and Korean; the font support Russian, Arabic, Spanish, Hungarian and Vietnam; the picture supports characters of each country.

2.3 Support date, time, stop watch and count down.

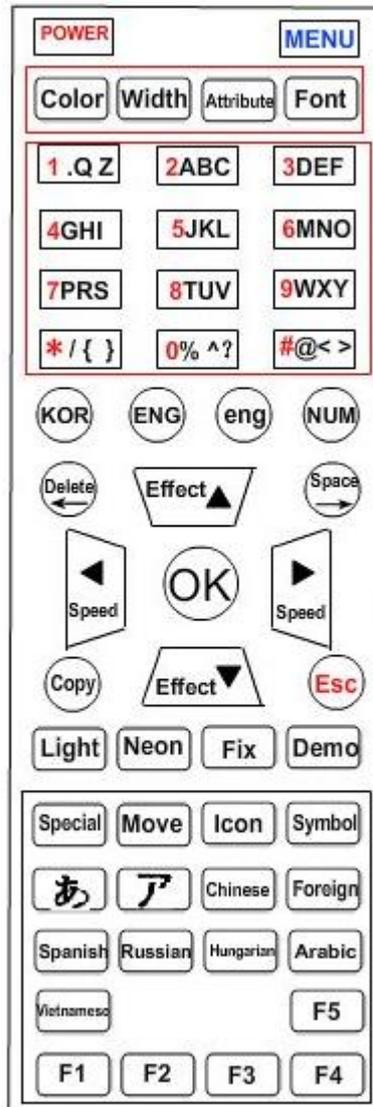


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- 2.4 Support animation, pictures, over 200 built-in animations and pictures, including hotel, catering, work, traffic, festival, commonality sanitation, animal, plant, brand and design for name brand of the world. The contents are vivid and visualize, and the effects are excellent. They can be inserted into the messages by the remote controller, which is convenient in every trade.
- 2.5 Support displaying temperature and humidity in real time.
- 2.6 Each display can be kept in landscape and upright, set freely.
- 2.7 Input mode of editing Chinese is the same as the mode of editing short message in mobile phone, simple and easy to use. Each character and letter edited can be set at the following functions: color, font, character movement mode, zoom, overstriking, dip and so on.
- 2.8 Support dual English input of remote controller.
- 2.9 Passwords can be set in the screen: 10 grades brightness adjustable, support self-regulation of brightness according to period of time.
- 2.10 There are 25 kinds of enter, stay and exit of each piece of message; The movements are novelty and special; The visual effects are excellent; Moreover, the play is fluent with no pause. Users can set movement mode by themselves, also use self-setup of the system, operating simple and practical.
- 2.11 Frame of the display is designed with aluminum, portable, durable and shakeproof, can be used indoor.
- 2.12 The NEON for exclusive use adopts unique full color LED for the background of the display, and play with main display area synchronously. The effect is unique, and has the strongest visual wallop. It doesn't need operating system, only to use a remote controller to edit professional NEON effect. The small power dissipation, long life, high brightness and rich effect can take place of the traditional NEON.
- 2.13 Save electricity more than 50 percent, compared with the same kind production. The lowest electricity dissipation can issue message for you out of burden.

3.Specification for operating remote controller

3.1 Specification for keys function of the remote controller



3.1.1: **POWER**: Switch controlling to open or close the display. Press OPEN one time, then press it again to close.

3.1.2: **MENU**: MENU, the first operation to enter display to add/modify/setup contents.

3.1.3: **Color**: Change color of each character, for example, the content input is “Hello I”, if you want to change to

“Hello”, the operating is as the following: Press  for four times in order to make the cursor surround “e”, namely 

llo” — Press **Color**, change to “e” namely “H[e]llo” — Press  once to make the cursor surround, namely “ello” — Press **Color**, change to “H” namely ello.

3.1.4: **Attribute**: Change the movement status of each character, including no effect (no display), many effects, rotation, erasure, vibration and wave. For example, “ello”, press **Attribute** “W” displays as: no effect/ erasure/ rotation/ vibration/ wave.

3.1.5: **Width**: Can deflate or magnify each character. For example, “009” — press **Attribute** — to change to “009” can be more bigger or smaller.

3.1.6: **Font**: Can change font of each character. When cursor is around a character, press **Font**, can change font of the character. For example, “”, can change to “” or many other fonts. “”, can change to “” or many other fonts.

3.1.7: **KOR**: Input Korean character. For example, the cursor is at “ | ”, press **KOR**, then press **2ABC**, display as Korean “”.

3.1.8: **ENG**: Display capital letters. Press **ENG**, then press **1.QZ**, only display “.”, “Q”, “Z”. Press **2ABC** only display “A”, “B”, “C”. Other keys only display the following 3 characters. For example, when the cursor is at “ | ” — press

ENG — press **2ABC** once — press  — press **2ABC** twice — display “B” on the screen.

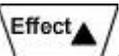
3.1.9: **eng**: Display lowercase. Press **eng**, then press **1.QZ** only display “.”, “q”, “z”. Press **2ABC** only display “a”, “b”, “c”. Other keys only display the following 3 characters. For example, when the cursor is at **eng**, press **6MNO** for 3 times — press **5JKL** twice — display “k” on the screen.

3.1.10: **NUM**: Press **NUM**, then press **1.QZ** only display 1. Press ***/{ }** only display *. Display 1, 2, 3, 4, 5, 6, 7, 8, 9, *, 0, # on the remote controller. For example, when the cursor is at **NUM**, press **2ABC** once — press **0% ^?** twice — press **9WXY** once — press **#@<>** once — display “09#”.

3.1.11: **Delete**: Delete character. When cursor is around a character, press **Delete**, the character is deleted. For example

“Good”, deleting “G”, change to “ood”: For example, “Good |” — press  for 4 four times, displaying “G |
ood” — press , change to “o |od” .

3.1.12:  : Input space. For example, when the cursor is at  — press  for 3 times — press  once —
press  once — press — press  for 3 times — display “L |y ” on the screen.

3.1.13:  : First, look over message content on the last page. Second, when pointing out time /year/month/day
editable and a number around with cursor, press the key , and modify time/date. For example, display “Hold time 09 |”,
press  once, change to “Hold time 10 |” . Third, when  occurs, press the key , then change to .

3.1.14:  : First, look over message content on the next page/next menu. Second, when edit time/date, modify time
or date. Third, when  occurs, press the key , then change to .

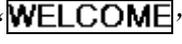
3.1.15:  : First, when edit content, the cursor moves to the left . For example, “Goodbye |”, press  once,
change to “Goodby |e”, press  once, change to “Goodb |y e” . Second, when preview input effect/display effect
of stay/output effect, press , slower display speed.

3.1.16:  : First, when edit content, the cursor moves to the right. For example, “Good |b ye”, press  once,
change to “Goodb |y e”, press  once, change to “Goodby |e”, press  once, change to “Goodbye | ” .

Second, when preview input effect/display effect of stay/output effect,press  quicken display speed.

3.1.17:  : First, when add content, after that, press the key to enter next step; Second,be sure of the content and save it; Third, when point out “Cancel? ”, be sure of and cancel it; Fourth, enter a menu/submenu.

3.1.18:  : First, cancel a step; Second, exit from a menu/submenu; Third, return to previous menu.

3.1.19:  : When edit message, the NEON effect can be added. For example, when edit content “” — press —display “” — press —turn to “” .

3.1.20:  : When edit message, the message input can be displayed on full screen. For example, input content “” — press —display “” on the full screen.

3.1.21:  : Present the default content on the full screen, displaying “” , “” , and present every kind movement effect, such as rotation,wave,movement in each

direction,flex and separate in each direction. If cancel presentation, press  .If press CANCEL when editing message,the current content loses automatically, then enter the presentation status directly.

3.1.22:  : When edit message, input special character, small figures and small signs. See special symbols in details.

For example, input “★”: Press  at the cursor | —press  or  —display “” —press  .

3.1.23:  : When edit message,insert small animation,displaying  every kind of animation.For example, insert the scissors animation “”: Press  at the cursor——press

 or  —display animation “” — press  .

3.1.24:  : When edit message, icon can be inserted, including  ,  ,  and so on.For example, insert icon:

“”: Press **Icon** —press **Speed** or **Speed** —display icon “” —press **OK** .

3.1.25: **Symbol**: When edit message, icon can be inserted, every symbol can be inserted. See symbols collection in details.

The ways of inserting is the same as inserting **Special** above.

3.1.26: : When edit message, Japanese can be inserted, The ways of inserting is the same as inserting **Special** above.

3.1.27: : When edit message, Korean can be inserted, The ways of inserting is the same as inserting **Special** above.

3.1.28: **Chinese**: When edit message, Chinese can be inserted . For example,input “你好”: press **eng** —press

6MNO twice,display “n” — press **4GHI** for 3 times, display “i” — press **Chinese** —press **Speed** for 6 time,
display “你” — press **OK** —press **4GHI** twice—press **2ABC** twice—press **6MNO** for 3 times—
press **Chinese** —press **Speed** for 5 times,display “好” — press **OK** .

3.1.29: **Spanish** **Russian** **Hungarian** **Arabic** **Vietnamese**: Edit contents to insert Spanish, Russian, Hungarian, Arabic and Vietnam. The ways is the same as  above.

3.1.30: **F3**: 19 messages built in the system in total, which can be transfered and edited when adding contents. For example, transfer “NIGHTLY ENTERTAINMENT”: Press **F3** at the cursor |, then “01: WELCOME TO” displays —Press **Effect** twice, then display “03: NIGHTLY ENTERTAINMENT” — Press **OK** .

3.2 Illustrating how to add contents, input effects, display effects of stay and output effects

◆ For example,input “House 08 ” on the screen with the input effect “move in four sides” ,6-second display effect of stay “across change color” ,the effect of exit “separate in four sides” ,connect the last sentence. Operate as the following:

Press **MENU** —press **OK** —press **OK** —press **ENG** —press **4GHI** twice —press **Speed** —press **eng** —press **6MNO** three times —press **Speed** —press **8TUV** twice —press **Speed** —press **7PRS** three times —press **Speed** —press **3DEF** twice —press **Speed** —press **Space** —press **NUM** —press **0% ^?** —press **8TUV** —press **Icon** —press **Speed** or **Speed** to make the cursor move to “” —press **OK** —press **OK** —press **Effect** twice —press **OK** —press **Effect** or **Effect** to preview the input effect to change little by little, press **Speed** or **Speed** to select the input speed —press **OK** —press **Effect** once —press **OK** —press **Effect** or **Effect** to preview the effect of stay to change little by little, press **Speed** or **Speed** to select the speed —press **OK** —press **Effect** once —press **OK** —press **Effect** four times —press **OK** —press **Effect** or **Effect** to preview the output effect to change little by little, press **Speed** or **Speed** to select the speed —press **OK** —press **Effect** once —press **OK** .

3.3 Introduction for the contents of the remote controller

[1] Add contents

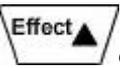
① Add message

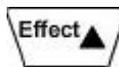
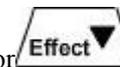
Press **MENU**, then “**[01]Add contents**” appears → Press **OK**, “**①Add message**” appears → Press **OK**,

then "Input character" appears → appears on the screen → Input message at the cursor I, which is the

same as the instruction above → Press  button, and appear → Press

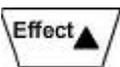
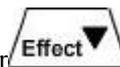
 button, different insertion effects appear one by one, including , , ,
, , , , , , → Press

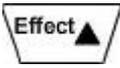
 or  to preview the effects above which appear one by one → If you decide to keep one effect, press

 → Press  or , will see effect change little by little → Press  or  to preview the

speed change → Press  to keep your selection (Press  to go back to the previous step if you want to cancel it.) → If (No effect) option is selected earlier, and will appear on

the screen, and message adding will end → If the effect to is selected earlier, the following operation will continue. appears on the screen, → Press  different preservation

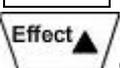
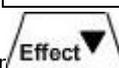
effects appear one by one, including , , , , ,
 → Press  or  to preview the effects above which appear one by one → If you

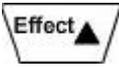
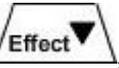
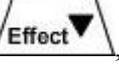
decide to keep one preservation effect, press  → Press  or , will see effect change little by

little → Press  or , preview the speed change → Press  to keep your selection (Press  to go back

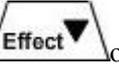
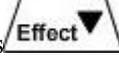
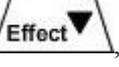
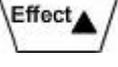
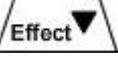
to the previous step if you want to cancel it.) → Display , default 5 seconds, which can be modified from 1 second to 99 seconds. The smaller number stands for the shorter hold time, and the bigger number stands for the

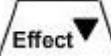
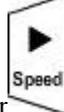
longer hold time → After setting the hold time, press  to store → , →

→ Press , different output effects appear one by one, including , ,
, , , , → Press  or  to preview different

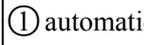
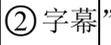
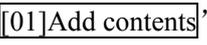
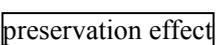
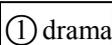
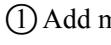
output effects above — → If you decide to keep one output effect, press  — → Press  or , preview output effect change little by little — → Press  or , preview the speed change — → Press  to keep your selection (Press  to go back to the previous step if you want to cancel it.) — → “Connection ” appears, which means this message doesn’t connect the last one; Press , “Connection ” appears, which means this message connects the last one — → Press , present “stored”, “Add contents”, the message is added completely — → If you want to cancel the content adding, press “” or “” button.

② Dual line English message

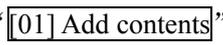
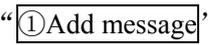
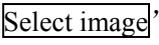
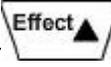
Press button, “Add contents” will appear — → Press  button, “Add message” will appear — → Press  once, “Dual line English message” will appear — → Press , “” will appear, “”, the cursor | on the left side of the first line blinks, input English — → Press , the cursor moves to the left side of the second line “”, then input dual line English messages — → Press  button, “”, “automatic” — → Press , different insertion effects will appear one by one, including “字幕”, Drama, Scroll, Gathering in, Hurricane, Tornado, Lens, To appear, By color” — → Press  or  to preview different effects above — → Press  if you decide to keep one effect —

Press  or  to preview effect change little by little → Press  or  to preview speed change →

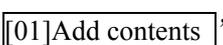
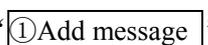
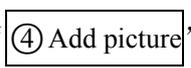
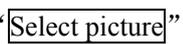
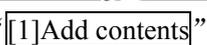
Press  to keep your selection (Press  to go back to the previous step if you want to cancel it.) →

If “ automatic”, “ 字幕” are chosen, “ stored” will present on the screen. If “ [01]Add contents” appears, it means dual line English messages adding is done. → If effect  to  is chosen, it means operation will continue. “ Select preservation effect” and “ 1 drama” appear → The following operation is the same as “ 1 Add message” .

③ Image

Press , “ [01] Add contents” will appear → Press , “ 1 Add message” will appear → Press  twice , “ 3 Image” will appear → Press , “ Select image” will appear, then the images will be displayed automatically → Press  or  to preview different images → Press  to keep your selection, then “ Stored” will present. If “ [1]Add contents” appears, it means that the image adding is done completely.

④ Add picture

Press , “ [01]Add contents” will appear → Press , “ 1 Add message” will appear → Press  three times, “ 4 Add picture” will appear → Press , “ Select picture” will appear, and then pictures will be displayed → Press  or  to preview different pictures → Press  to keep your selection, then “ stored” will present. If “ [1]Add contents” appears, it means that the image adding is done completely.

⑤ Add Video

Press **MENU**, "[01]Add contents" will appear → Press **OK**, "①Add message" will appear → Press **Effect** four times, "⑤ Add Video" will appear → Press **OK**, "Select video" will appear, and then videos will be displayed → Press **Effect** or **Effect** to preview different videos → Press **OK** to keep your selection, then "stored" will present. If "[1]Add contents" appears, it means that the video adding is done completely.

⑥ Display date

Press **MENU**, "[01]Add contents" will appear → Press **OK**, "①Add message" will appear → Press **Effect** five times, "⑥ Display date" → Press **OK** button, "Current date" appears, for example, "3-12-2009", the cursor is around "3" → Press **Color**, **Attribute**, **Font**, modify the effect of number "3" → Press **Speed** once, then "3-12-2009" appears on the screen, the cursor is around "--" → Press **Color**, **Attribute**, **Font**, modify the effect of number → Press **Speed** once, "3-12-2009" appears on the screen, the cursor is around "1" → Press **Color**, **Attribute**, **Font**, modify the effect of character "1". The effect of "2" "-" "2" "0" "0" "9" can also be modified → Press **OK**, "Select insertion effect" appears, "① Automatic" → The following operation is the same as "message".

⑦ Display time

Press **MENU**, "[01]Add contents" will appear → Press **OK**, "①Add message" will appear → Press **Effect** six

times, “⑦ Display time” will appear → Press , then “Present time” appear. For example, “11: 30 AM”,

the cursor is around “1” → Press  or , change the location of the cursor, and press , , ,

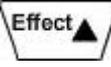
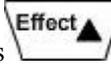
the effect of every character can be modified → Press , “Select insertion effect” will appear, “① Automatic”

→ The following operation is the same as “① Add message” .

⑧ D-Date

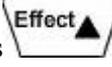
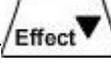
Press , “① Add contents” will appear → Press , “① Add message” will appear → Press  for

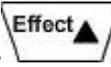
seven times, “⑧ D-Date” will appear → Press , “Set D-Date” and the future date, for example, “09/03/12”

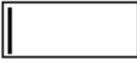
will appear → Press  or  to modify the size of the number, for example, press  once,

“10/03/12” will appear → Press  or  to move the cursor, for example, press  once, “10/03/12” will

appear → Press  or  to modify the size of the number, for example, press  once

“10/02/12” will appear → Press  once, “10/02/12” will appear → Press  or  to make the

chosen number increase or decrease, for example, press , “10/02/13” will appear → The date set is done

completely. Press , “Input sentence” will appear. The cursor blinks on the left “”, which means the

message can be inputed. For example, after inputing “Guangzhou LED Exhibition” → Press , “Guangzhou LED Exhibition D—337” will display, which means it will take 337 days to hold the LED Exhibition on Feb 13, 2010. →

Press , “Stored” will present, then “① Add contents” will present next, which means the date plan adding is done

completely.

⑨ D-Time

Press **MENU**, “[01] Add contents” will appear → Press **OK**, “①Add message” will appear → Press **Effect** 8 times, “⑨ D-Time” will appear → Press **OK**, “Set D-Time” will appear. For example, if the future time is “PM 12/49” → press **Effect**, “AM 12/49” appears on the screen → Press **Speed**, the cursor will change to “PM 12/49” → Press **Effect** or **Effect**, the time can be modified. If pressing **Effect** once, “PM 01/49” will be shown → If pressing **Speed** once, the cursor will move to “PM 01/49” → Press **Effect** or **Effect**, the time can be modified. Press **Effect** 3 times, “PM 01/46” will be shown → Press **OK**, “Appoint Dtime time” will appear, then the cursor blinks at the left “ ”. Input setence, for example, input “Have a meeting” → Press **OK**, “Have a meeting It is before 10 hours 24 minutes” will appear, which means it will take ten point four hours to hold the meeting in the afternoon → Press **OK**, “Stored” and “[1]Add contents” will be shown, which means the time plan adding is done completely.

⑩ Display Temperature or ⑪ Display Humidity

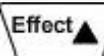
Press **MENU**, and “[01] Add contents” will appear → Press **OK**, and “①Add message” will appear → Press **Effect** 9 times, then “⑩ Display Temperature” will be shown. Press **Effect** 10 times, and “⑪ Display Humidity” will be shown → Press **OK**, “Stored” and “[1] Add contents” will present, which means the operation of temperature and humidity display is done completely. After that, the content adding can continue. If you want to cancel it, you can press “**Esc**” or “**MENU**” button.

② ADD EVENT

Press **MENU**, and “[01] Add contents” will appear → Press **OK**, and “① Add message” will appear → Press **Effect** 11 times, and “[12] Add event” will be shown → Press **OK**, “[input character]” presents, then the cursor blinks on the left “[]”, at this time the content can be input → Press **OK**, “[Select insertion effect]” and “① automatic” presents → The insertion is the same as “① Add character”.

[2] MODIFY CONTENTS

- Press **MENU**, and “[01] Add contents” will appear → Press **Effect**, and “[2] Modify contents” will appear → Press **OK**, display the first content, for example, “[01: Welcome to SUCCESS]” → Press **Effect** to preview the second content, supposing a video “[02:

then videos will be played automatically → Press  or  to choose a video → Press , and “Stored” “Modify contents” will be shown, which means the video is stored.

- If you want to modify 03, “, “

[3]Insert contents

- A new piece of message can be inserted before or after a stored one. For example, the ways of inserting a piece of message between “02” and “03” is as the following:

- Press , and “ twice, and “

→ Press , and the first stored message will be shown, supposing the first message is “

→ Press  twice, the third message will be shown, supposing the first message is “”

→ Press , “, showed the items as follows: “

Dday” “, enter into local item, hint to add contents, the ways of adding are introduced before.

[4]Index contents

- Set one message to show on the screen or not. means to show on the screen; is opposite.

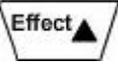
press  to switch them.

- press , “ thrice, “

press , then appear the following samples

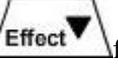
“ HOW ARE YOU?””, which means show the message on the screen → press , change to “ HOW ARE YOU?””, which means that do not show the message on the screen → press , appear

“ HOW ARE YOU?””, which means that do not show the message on the screen → press , appear

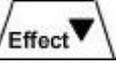
such as “02: [X] ★2009”, press  to choose to show or not → press  or  scroll to display each message, and press  to choose to show or not → then, press , “[4]Index contents” appears

[5]Delete contents

① **Delete option:** Delete the message one by one

press , “[01]Add contents” appears → press  four times, “[5]Delete contents” appears → press , “①Delete option” appears → press , if the first message appears as follows: “01: HOW ARE YOU?” → press , if the second message appears as follows: “02: D—Date” → press , “Delete?” appears → press  to delete the second message or  to cancel the deletion.

② **Delete all:** Delete all the messages once

press , “[01]Add contents” appear → press  for four times, “[5]Delete contents” → press , “①Delete option” appears → press , “②Delete all” appears → press , “Delete?” appears → press , “Erased all advertisement” appears or press  to cancel all the deletion

[6]Stopwatch

① **Increment mode**

press , “[01]Add contents” appears → press  for five times, “[6]Stopwatch” appears → press , “①Increment mode” appears → press , “00: 00: 00 00” appears → press  to begin the second increment

→press  to stop the second increment, such as “00: 00: 06 45” →press  to return to “① Increment Mode”

② Decrement mode

Press , “[01]Add contents” appears →press  for five times, “[6]Stopwatch” appears →press ,

“① Increment mode” appears →press , “② Discrement” →press , “[12: 59: 59 99]” appears →

→press  begin to count down →press  to stop timing →press  to return back

[7] Password

- After “④ Password” in “[9]Setting up” was setted to “0”, press , “Password []” appears. The password can not be changed unless he or she knows the previous password. The way setting password is showed as foolows:
- press , “[01]Add contents” appears →press  for 6 times, “[7]Password” appears →press ,

“Password []” appears, input four numbers for password, → “Confirmation []” appears, namely reinput the four numbers again → “New Password stored” and “[7] password” appears →press  to exit.

[8] Set Time

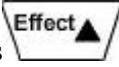
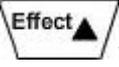
① Set time

Press , “[01]Add contents” appears →press  for seven times “[8] Set time” appear →press ,

“① Set time” appears →press  to show the present time, such as “AM 09 :22” →press ,

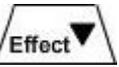
changed to “PM 09 :22” →press , changed to “PM 09 :22” →press  or

, which can make number bigger or smaller, such as press  once, it changes to

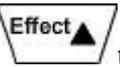
“PM 08:22” → press , it changes to “PM 08:22” → press  or , which can make the numbers bigger or smaller, such as press  twice, it changes to “PM 08:24” → press ,

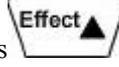
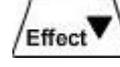
“stored current time” and [8]Set time appear.

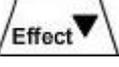
② Set date

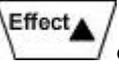
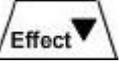
Press , “[01]Add contents” appears → press  for seven times “[8] Set time” appear → press ,

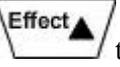
“① Set time” appears → press , “② Set date” appears → press , appears date such as “09

11/03/10” → press  or  to change the number bigger or smaller, such as press  twice, it changes

to “11/03/10” → press  to move the cursor and change to “11/03/10” → press  or  to change

the number bigger or smaller, such as press  twice, it changes to “11/01/10” → press  to move the

cursor and change to “11/01/10” → press  or  to make the numbers bigger or smaller, such as press

 thrice, it changes to “11/01/13” → press , “I stored the present date” appears, then back to “[8] Set date”

③ Timer-on

Set the sign timer on, whose way is the same with the above “① Set time”

④ Timer-off

Set the sign timer-off, whose way is the same with the above “① Set time”

[9] Setting up

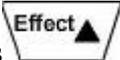
① Reservation

- “Reservation ” which means to start the function of reservation
- press , switch to “Reservation ”, which means to close the function of reservation

② Sound

- “Sound ”, which means that it sounds when pressing the remote.
- press , to switch to “Sound ”, which means to keep quiet when pressing remote
- ③ Direction
- “Direction Horz” ,which means that the display screen contents is horizontal display,which is used when placing the sign horizontally
- press , to switch direction, when “Direction Vet”, which means that the display screen contents is vertical display,which is used when placing the sign vertically.

④ Password

- “Password ”, which means to use password to close.No password necessary when entering into menu.The system default “Password ” as close password.
- press ,it changes to “Password ”, which means open the password.Password is necessary when entering into menu,and “Password []” appear,Please make sure that reinput the password in “[7]Password” and then start to use the password,if you forget it,you can not go into the menu.
- ⑤ Brightness
- “Brightness 10”, means that the brightness is 10, press  or  to alter the brightness,the bigger the

number, the higher the brightness, the smaller the number, the lower the brightness.

- press  to return back

[10] CDMA

① Receive message

- “Receive message ”, which means to close the CDMA receiving message function
- press  to switch to “Receiving message ”, which means CDMA receiving message function is open

② **Delete message:** It can delete messages.

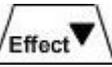
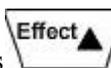
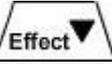
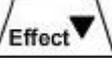
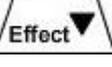
[11] TPEG NEWS

① NEWS Receive

- “NEWS Receive ”, which means to close the news receive function
- press  switch to “Receive ”, which means open the news receive function
- ② NEWS Categories
- press , “① Society ” appears, press  or , scrolls to the following columns:
 “② Politics ”, “③ Entertainment ”, “④ Sports ”, “⑤ Business ”, “⑥ National ”, “⑦
 Tech/IT ”, “⑧ Whether ” which means to close the column, press  to change to “”, which means to open the column, press  to return back.

[12] Manager

- Hint to input “Certification ”, “9883” is defaulted by the system

- After input, “① Manufacturer” appears, press  , “Manufacturer SUCCESS”, press  or  , which can move the cursor left and right and alter the characters, such as
 “Manufacturer ITELONG”, press  , hint to “I stroed manufacturing company”
- press  , “② Version” appears, press  to check the sign version, press  to return to
 “② Version”
- press  , “③ Production work” appears, “④ Numer of Column”,
 press  , press  or  to alter year, month, and date and column quantity under cursor. After alteration, press  , then “I stored the production work” and “I stored the number of columns”
- press  , “⑤ Color 3” appears, press  to alter the color, and “⑤ Color 1” appears
- press  , “⑥ Screen Section”, which means single face sign; press  to switch to
 “⑥ Screen Two Faces”, which means two faces sign.
- press  , “⑦ Examination” appears, press  to examine LED moving Sign, press  to return back
- press  , “⑧ Change” appears, press  , “I changed LED color” appears
- press  , “⑨ Language CHI”, Chinese display contents. Press  to change the language. If it
 is “KOR”, which means the display contents language is Korean, “ENG” means the display contents language is English

4. Special characters and symbols

① Characters and symbols: press  , the related characters showed as follows:

! " # \$ % & ' () * + , - . / : ; < = > ? @ [\] ^ _ ` { | }

②Special Characters: press 特殊 to show the following special characters and symbols:

1 2 3 4 5 6 7 8 9 0 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 * ☆ ★ ○ ● ◎ ◇ ◆ □ ■ △ ▲ ▼ ▽ ◀ ◁ ▶ ▷ ♠ ♡ ♥ ♣
 ☉ ◆ ■ 🔥 📺 📞 📠 🎵 🔄 (☞) No. a.m. p.m. Tel °C W

5,All the insertion,Prezervation and Release Effects

5.1Insertion effect

- ① Automatic: no preservation effect and release effect.
- ② Drama
- ③ Deviding : characters devided towards up/down/left/right
- ④ Gathering: gathering characters along left/right/up/down/catercorner
- ⑤ Hurricane
- ⑥ Tornado
- ⑦ Lens: make characters amplify or shrink towards different directions
- ⑧ To appear
- ⑨ By color
- ⑩ Beam: like laser
- ⑪ Wave: message displayed with the effect of wave

5.2Preservation effect

- ① Drama
- ② Reverse: displaying characters by different colors
- ③ To shake: character or symbol shakes along left/right/up/down/catercorner
- ④ Hurricane
- ⑤ Tornado
- ⑥ Lens
- ⑦ Automatic(No effect)

5.3Release effect

- ① Drama
- ② Scroll
- ③ Hurricane
- ④ Tornado
- ⑤ Deviding : message devided to different shapes towards up/down/left/right
- ⑥ Lens
- ⑦ Erasing: characters erased towards different directions
- ⑧ By color