## Remote Control Functions

<table>
<thead>
<tr>
<th>Function Name</th>
<th>Function Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Button</td>
<td>To turn ON and OFF.</td>
</tr>
<tr>
<td>Menu Button</td>
<td>To Program Sign</td>
</tr>
<tr>
<td>COL Button</td>
<td>To change color of character(s).</td>
</tr>
<tr>
<td>Width Button</td>
<td>To adjust the size of character(s).</td>
</tr>
<tr>
<td>EFF Button</td>
<td>To give ‘effect’ to character(s).</td>
</tr>
<tr>
<td>Font Button</td>
<td>To change font of character(s).</td>
</tr>
<tr>
<td>KOR Button</td>
<td>*Disabled.</td>
</tr>
<tr>
<td>ENG Button</td>
<td>To set uppercase English character(s).</td>
</tr>
<tr>
<td>eng Button</td>
<td>To set lowercase English character(s).</td>
</tr>
<tr>
<td>NUM Button</td>
<td>To set numeric character(s).</td>
</tr>
<tr>
<td>Copy Button</td>
<td>To ‘copy’ a set of color/font/effect and paste to the following character(s).</td>
</tr>
<tr>
<td>DEMO Button</td>
<td>To display demo screen.</td>
</tr>
<tr>
<td>Neon Button</td>
<td>To add Border effect to main screen.</td>
</tr>
<tr>
<td>Fix Button</td>
<td>To align the characters in center of the screen.</td>
</tr>
<tr>
<td>Delete Button</td>
<td>To delete the previous character(s).</td>
</tr>
<tr>
<td>Space Button</td>
<td>To add blank space.</td>
</tr>
<tr>
<td>Effect (↑) Button</td>
<td>To Move Upward</td>
</tr>
<tr>
<td>Effect (↓) Button</td>
<td>To Move Downward</td>
</tr>
<tr>
<td>Speed (←) Button</td>
<td>To Move Left.</td>
</tr>
<tr>
<td>Speed (→) Button</td>
<td>To Move Right.</td>
</tr>
<tr>
<td>Light Button</td>
<td>*Disabled.</td>
</tr>
<tr>
<td>ESC Button</td>
<td>To cancel function or modes.</td>
</tr>
<tr>
<td>Number/Character Buttons</td>
<td>To add numbers or characters.</td>
</tr>
<tr>
<td>SPE Button</td>
<td>To add special character(s).</td>
</tr>
<tr>
<td>Move Button</td>
<td>To add animated icon(s).</td>
</tr>
<tr>
<td>Icon Button</td>
<td>To add non-animated icon(s).</td>
</tr>
<tr>
<td>SYM Button</td>
<td>To add symbol character(s).</td>
</tr>
<tr>
<td>あ Button</td>
<td>To add Japanese Hiragana character(s).</td>
</tr>
<tr>
<td>亞 Button</td>
<td>To add Japanese Katakana character(s).</td>
</tr>
<tr>
<td>CHI Button</td>
<td>*Disabled.</td>
</tr>
<tr>
<td>LANG Button</td>
<td>To add foreign character(s).</td>
</tr>
<tr>
<td>F1,F2,F3 &amp; F4 Button</td>
<td>To add miscellaneous character(s).</td>
</tr>
</tbody>
</table>
Quick Start Programming

(Indoor Programmable LED Signs)

1.) Plug power cord to outlet and other end of the power cord to sign. A sample demo will display.

2.) Install batteries into remote control.

3.) To Program a Message:

   1.) Point Remote Control at R/C Sensor located at the bottom of the sign. R/C Sensor will look like a string attached with a round-tip. Optimal distance for programming is 3 to 25 feet between Remote Control and R/C Sensor.
   2.) Press [MENU] button – Screen will display “[1] AD.APPEND”
   3.) Press [OK] -- Screen will displays “[1]ADD.STRING”.
   4.) Press [OK] – “ADD.TEXT” Message will scroll and the sign is ready for your message.

1) To input TEXT:
   a) Use numeric button (1 to 9) to input characters. (See below for example of how to input characters)
   e) Press [MENU] to display MESSAGE(S).

   For Example: how to input the word “TEST”
   1) Press “8” once “T” will display.
   2) Press [ ► ] to move forward.
   3) Press “3” twice “E” will display.
   4) Press [ ► ] to move forward.
   5) Press “7” three time “S” will display.
   6) Press [ ► ] to move forward.

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Quick Start Programming
(Indoor Programmable LED Signs)

7) Press “8” once “T” will display.


11) Press [MENU] to display MASSAGE.

REMEMBER TO DELETE “TEST” BEFORE TYPING YOUR MESSAGE.

1) To Delete Text:
   a) Press [Menu] button – Screen will display [1]AD.APPEND
   c) Press [OK] – Screen will display [1] DEL.ONE
   g) Press [ESC] to go back to main screen.
Advanced Programming
(Change Color, Width, Effect and Fonts)

Changing color(s):

1.) Press [COL] to change color while character is highlighted.

Changing width:

1.) Press [width] to change the size of the character while character is highlighted.

Changing Effect:

1.) Press [EFF] to add effect to the specific character while character is highlighted.

Changing Font(s):

1.) Press [Font] to change the character style while character is highlighted.
Advanced Programming Continued
(Movement of Text – Start Effect)

**Start Effect** – Is the effect message(s) come to display.

1.) After you finish entering your message, press [OK] “SEL.START EFFECT” will scroll. (Press [ESC] button to cancel and go one step back.)

The start effect is listed below:

<table>
<thead>
<tr>
<th>Effect Name</th>
<th>Effect Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>[1]EFF.AUTO</td>
<td>This will display all the effects one by one.</td>
</tr>
<tr>
<td>[8]EFF.TWIST</td>
<td>Twist effect.</td>
</tr>
<tr>
<td>[9]EFF.NONE</td>
<td>No effect.</td>
</tr>
</tbody>
</table>

2.) Press [Effect ▲] to move up or [Effect ▼] to move down to choose an effect. Once an effect is chosen, press [OK] to see demo. While in demo, press [Effect ▲] or [Effect ▼] to select different set of effects. You can also press [Speed ▲] or [Speed ▼] to increase or decrease speed of the effect. (Press [ESC] button to cancel and go one step back.)

3.) Press [OK] to accept effect. “SEL.WAIT EFFECT” message will scroll. (Press [ESC] button to cancel and go one step back.)

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Advanced Programming Continued

(Movement of Text – Wait Effect)

Wait Effect – Is the effect while message is displaying.

1.) After you finish choosing your start effect, press [OK]. “SEL.WAIT EFFECT” will scroll. (Press [ESC] button to cancel and go one step back.)

The wait effect is listed below:

<table>
<thead>
<tr>
<th>Effect Name</th>
<th>Effect Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>[1]EFF.AUTO</td>
<td>This will display all the effects one by one.</td>
</tr>
<tr>
<td>[8]EFF.NONE</td>
<td>No effect.</td>
</tr>
</tbody>
</table>

2.) Press [Effect ▲ ] to move up or [Effect ▼ ] to move down to choose an effect. Once an effect is chosen, press [OK] to see demo. While in demo, press [Effect ▲ ] or [Effect ▼ ] to select different set of effects. You can also press [Speed ▲ ] or [Speed ▼ ] to increase or decrease speed of the effect. (Press [ESC] button to cancel and go one step back.)

3.) Press [OK] to accept effect. “SEL.WAIT TIME” message will scroll. (Press [ESC] button to cancel and go one step back.)

4.) Press [Effect ▲ ] to increase display time or [Effect ▼ ] to decrease display time. (Press [ESC] button to cancel and go one step back.)

5.) Press [OK] to accept wait time. “SEL.END EFFECT” message will scroll. (Press [ESC] button to cancel and go one step back.)

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Advanced Programming Continued
(Movement of Text – End Effect)

**End Effect** – Is the effect when message exit the screen.

1.) After choosing your wait effect, press [OK] “SEL.END EFFECT” will scroll. (Press [ESC] button to cancel and go one step back.)

<table>
<thead>
<tr>
<th>Effect Name</th>
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</tr>
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<tbody>
<tr>
<td>[1] EFF.AUTO</td>
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<td>Twist effect.</td>
</tr>
<tr>
<td>[9] EFF.NONE</td>
<td>No effect.</td>
</tr>
</tbody>
</table>

2.) Press [Effect ▲] to move up or [Effect ▼] to move down to choose an effect. Once an effect is chosen, press [OK] to see demo. While in demo, press [Effect ▲] or [Effect ▼] to select different set of effects. You can also press [Speed ▲] or [Speed ▼] to increase or decrease speed of the effect. (Press [ESC] button to cancel and go one step back.)

Advanced Programming Continued
(Adding Double Lines Message)

Adding Double Lines Message:

5.) Press [MENU] button – Screen will display “[1]AD.APPEND”
6.) Press [OK] – Screen will display “[1]ADD.STRING”.
8.) Press [OK] – “ADD.TEXT” Message will scroll and the sign is ready for your message.

a) Press [Effect ▼] or [Effect ▲] to select 1st or 2nd line.
   *Note: Some functions are disabled during double lines message:

<table>
<thead>
<tr>
<th>Disabled Remote Functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Width] Button</td>
</tr>
<tr>
<td>[Font] Button</td>
</tr>
<tr>
<td>[KOR] Button</td>
</tr>
<tr>
<td>[DEMO] Button</td>
</tr>
<tr>
<td>[Fix] Button</td>
</tr>
<tr>
<td>[Light] Button</td>
</tr>
<tr>
<td>[SPE] Button</td>
</tr>
<tr>
<td>[Move] Button</td>
</tr>
<tr>
<td>[Icon] Button</td>
</tr>
<tr>
<td>[SYM] Button</td>
</tr>
<tr>
<td>[あ] Button</td>
</tr>
<tr>
<td>[ア] Button</td>
</tr>
<tr>
<td>[CHI] Button</td>
</tr>
<tr>
<td>[LANG] Button</td>
</tr>
</tbody>
</table>

b) After Message is entered, press [OK] – “SEL.START EFFECT” will scroll.
c) Add effects. (See previous pages for procedures of adding effects.)
Advanced Programming Continued
(Adding Pre-Installed Images, Movies & Animations)

Add pre-installed images:

1.) Press [MENU] button – Screen will display “[1]AD.APPEND”.
2.) Press [OK] – Screen will display “[1]ADD.STRING”.
3.) Press [Effect ▼] twice to select “[3]ADD.IMAGE”.
4.) Press [OK] – Screen will display “SEL.IMAGE”.

Add pre-installed movies:

1.) Press [MENU] button – Screen will display “[1]AD.APPEND”.
2.) Press [OK] – Screen will display “[1]ADD.STRING”.
3.) Press [Effect ▼] 3 times to select “[4]ADD.MOVIE”.
4.) Press [OK] – Screen will display “SEL.MOVIE”.

Add pre-installed animations:

1.) Press [MENU] button – Screen will display “[1]AD.APPEND”.
2.) Press [OK] – Screen will display “[1]ADD.STRING”.
3.) Press [Effect ▼] 4 times to select “[5]ADD.ANIMA”.
4.) Press [OK] – Screen will display “SEL.ANI”.
Advanced Programming Continued

(ADD.STRING FUNCTIONS)

Add date: (Date to display on screen)

1.) Press [MENU] button – Screen will display “[1]AD.APPEND”.
2.) Press [OK] – Screen will display “[1]ADD.STRING”.
3.) Press [Effect ▼] 5 times to select “[6]ADD.DATE”.
4.) Press [OK] – Screen will display “TODAY”.
5.) Press [Effect ▼] or [Effect ▲] to change color or effect.
6.) Press [Speed ] to move to the next character’s.

Add time: (Time to display on screen)

1.) Press [MENU] button – Screen will display “[1]AD.APPEND”.
2.) Press [OK] – Screen will display “[1]ADD.STRING”.
4.) Press [OK] – Screen will display “PRESENT”.
5.) Press [Effect ▼] or [Effect ▲] to change color or effect.
6.) Press [Speed ] to move to the next character’s.

Add Count Down Day: (Count Down Day with TEXT)

1.) Press [MENU] button – Screen will display “[1]AD.APPEND”.
2.) Press [OK] – Screen will display “[1]ADD.STRING”.
3.) Press [Effect ▼] 7 times to select “[8]ADD.D-DAY”.
4.) Press [OK] – Screen will display “INS.DDAY”.
5.) Press [Effect ▼] or [Effect ▲] to change number.
6.) Press [Speed ] to move from Year to Month to Day.
8.) Press [OK] – Add Start, Wait and End effect.
Advanced Programming Continued

(ADD.STRING FUNCTIONS)

Add Count Down Time: (Count Down Time with TEXT)

1.) Press [MENU] button – Screen will display “[1]AD.APPEND”.
2.) Press [OK] – Screen will display “[1]ADD.STRING”.
3.) Press [Effect ▼] 8 times to select “[9]ADD.D-TIME”.
4.) Press [OK] – Screen will display “INS.DTIME”.
5.) Press [Effect ▼] or [Effect ▲] to change number or change PM/AM.
6.) Press [Speed] to move from PM/AM to Hour to Minute.
8.) Press [OK] – Add Start, Wait and End effect.
Advanced Programming Continued
(AD.APPEND FUNCTIONS)

Add reserved message: (To Start / Stop Message at specific time)

1.) Press [MENU] – Screen will display “[1]AD.APPEND”.
2.) Press [Effect ▼] once to select “[2]AD.RESERV”.
3.) Press [OK] – Screen will display “[1]RSV.EVENT”.
4.) Press [OK] – Start to input your message.
5.) Press [OK] – “KEY EVENT” message will display and will take you back to “[2]AD.RESERV”.

Set reserved time: [Set time to display/removes message]

a.) Press [OK] – Screen will display “[1]RSV.EVENT”.
b.) Press [Effect ▼] once to select “[2]RSV.TIME”.
c.) Press [OK] – Screen will display “[1](Your reserved message)”
d.) Press [OK] – Screen will display “EVENT START”.
e.) Press [Effect ▼] or [Effect ▲] to change number or change PM/AM.
f.) Press [Speed] to move from PM/AM to Hour to Minutes.
g.) Press [OK] “COMPLETE” message will display. Shortly after, “EVENT STOP” will display.
h.) Press [Effect ▼] or [Effect ▲] to change number or change PM/AM.

i.) Press [Speed] to move from PM/AM to Hour to Minutes.
j.) Press [OK] “COMPLETE” Message will display.

Modify message(s):

1.) Press [MENU] – Screen will display “[1]AD.APPEND”.
3.) Press [OK] – Screen will display “[1]“The first saved message”.
4.) Press [Effect ▼] to select saved message and then press [OK] – Screen will display “EDIT APPEND”.
5.) Modify message and select effects.
Advanced Programming Continued
(AD.APPEND FUNCTIONS)

Display & HInd message(s):

1.) Press [MENU] – Screen will display “[1]AD.APPEND”.
3.) Press [OK] – Screen will display “[1]O”.
4.) Press [Speed] to select “X” for disable message & “O” for enable message to display.
5.) Press [Effect ▼] to select next message.
6.) Press [ESC] to go back to menu screen.

Insert new message in between message(s):

1.) Press [MENU] button – Screen will display “[1]AD.APPEND”.
2.) Press [Effect ▼] four times to select “[5]AD.INSERT”.
3.) Press [OK] – Screen will display [1]*The first saved message”.
4.) Press [Effect ▼] to select where you like to insert message.
5.) Press [OK] – Add Start, Wait and End effect.

Delete your message(s):

1.) Press [MENU] – Screen will display “[1]AD.APPEND”.
2.) Press [Effect ▼] five times to select “[6]AD.DELETE”.
3.) Press [OK] – Screen will display “[1]DEL.ONE” to delete one selected message or press [Effect ▼] to display “[2]DEL.ALL”.

a.) Delete one message:
   1.) Press [OK] on “[1]DEL.ONE”.
   2.) Press [Effect ▼] to select message to delete.
   3.) Press [OK] – Screen will display “DELETE?(Y/N)”.
   4.) Press [OK] – Screen will display “COMPLETE”.

b.) Delete all message:
   1.) Press [Effect ▼] to select “[2]DEL.ALL”.
   2.) Press [OK] - Screen will display “DELETE?(Y/N)”.
   3.) Press [OK] – Screen will display “COMPLETE   NO APPEND”.

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Advanced Programming Continued

(AD.APPEND FUNCTIONS)

Set Current Time & Current Date:

1.) Press [MENU] – Screen will display “[1]AD.APPEND”.
   a.) Set date:
      1.) Press [OK] on “[1]ST.DATE”.
      2.) Press [Effect ▼] or [Effect ▲] to select number.
      3.) Press [Speed] or [Speed] to select from year (Y), month (M) and day (D).
      4.) Press [OK] – Screen will display “COMPLETE”.
   b.) Set time:
      1.) Press [OK] on “[2]ST.TIME”.
      2.) Press [Effect ▼] or [Effect ▲] to select number.
      3.) Press [Speed] or [Speed] to select from hour (H), minutes (M) and seconds (S).
      4.) Press [OK] – Screen will display “COMPLETE”.
   c.) Set timer for message to turn on: (Note: For this function to operate must proceed to “ST.PRODUCT” section to enable function.)
      1.) Press [OK] on “[3]ON TIME”.
      2.) Press [Effect ▼] or [Effect ▲] to select number & PM/AM.
      3.) Press [Speed] or [Speed] to select from hour (H), minutes (M) and seconds (S).
      4.) Press [OK] – Screen will display “COMPLETE”.
   d.) Set timer for message to turn off: (Note: For this function to operate must proceed to “ST.PRODUCT” section to enable the function.)
      1.) Press [OK] on “[4]OFF TIME”.
      2.) Press [Effect ▼] or [Effect ▲] to select number & PM/AM.
      3.) Press [Speed] or [Speed] to select from hour (H), minutes (M) and seconds (S).
      4.) Press [OK] – Screen will display “COMPLETE”.

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Advanced Programming Continued
(ST.PRODUCT FUNCTIONS)

Enable/Disable automatic on/off timer message:

1.) Press [MENU] – Screen will display “[1]AD.APPEND”.
3.) While in “[1]RESV’, use [Speed] or [Speed] to select “o” for enabling and “x” for disabling.

Enable/Disable sound:

1.) Press [MENU] – Screen will display “[1]AD.APPEND”.
3.) Press [Effect ▼] once to select “[2]BEEP”.
4.) While in “[2]BEEP’, use [Speed] or [Speed] to select “o” for enabling & “x” for disabling.

Display message(s) vertically or horizontally:

1.) Press [MENU] – Screen will display “[1]AD.APPEND”.
3.) Press [Effect ▼] twice to select “[3]DIR HORI”
4.) While in “[3]DIR’, use [Speed] or [Speed] to set vertical or horizontal message. Screen will display “CHANGING”.

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Advanced Programming Continued
(ST.PRODUCT FUNCTIONS)

Set password:

1.) Press [MENU] – Screen will display “[1]AD.APPEND”.
3.) Press [Effect ▼] three times to select “[4]PASS X”.
4.) Press [Speed] or [Speed] – Screen will display “INS.PASSWORD”.
5.) Press 4 digit numbers for setting password then press [OK].
6.) Repress the 4 digit number to confirm password then press [OK] – Screen will display “COMPLETE”. (Note: You will need to enter password next time when entering the “MENU” screen.)
7.) *Option: If you want to disable password, during screen displays “PASS O”, press
   [Speed] or [Speed] to display “PASS X”.

Set brightness:

1.) Press [MENU] – Screen will display “[1]AD.APPEND”.
4.) Press [Speed] or [Speed] to select options:
   a.) Day time brightness:
      1.) While screen displays “[1]Day##”, press [Speed] or [Speed] to set brightness from 1 to 10. (1 being the lowest, 10 being the brightest setting.)
   b.) Night time brightness:
      1.) While screen displays “[2]NIGHT##”, press [Speed] or [Speed] to set brightness from 1 to 10. (1 being the lowest, 10 being the brightest setting.)
Advanced Programming Continued
(ST.PRODUCT FUNCTIONS)

c.) Set day time:
   1.) While screen displays “[3]DAY.START”, press [OK].
   2.) Press [Effect ▼] or [Effect ▲] to select number & PM/AM.
   3.) Press [Speed] or [Speed] to select from hour (H), minutes (M) and seconds (S).
   4.) Press [OK] – Screen will display “COMPLETE”.

d.) Setting night time:
   1.) While screen displays “[4]NIGHT.START”, press [OK].
   2.) Press [Effect ▼] or [Effect ▲] to select number & PM/AM.
   3.) Press [Speed] or [Speed] to select from hour (H), minutes (M) and seconds (S).
   4.) Press [OK] – Screen will display “COMPLETE”.

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