Fast Program:

1). Press “ESC(MENU)” input “password” (the default password is blank), press “ENTER” the screen show “1.EDIT”, and then press “ENTER” go into editing interface.
2). Program number choice: program number format is “M:001-N” press “ENTER” turn to next.
3). Partition type choice, when the screen show “1.no area”, press “ENTER” turn to next.
4). Program type choice, when the screen show “1.TXT”, press “ENTER” turn to next.
5). Through Conventional character input area input message “Leadleds”.
6). After input press “ESC(MENU)”, the screen show “Save?(Y/N)”, press character “Y” save program and then press “ESC(MENU)” two times to quit program edit. The screen show your input message.

For more details of program, please read next pages detail manual.
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Chapter I: Infrared remote control button describe

1.1. Diagrammatize IR remote controller:

1.2. Remote Control Buttons Description:

- The remote control has 66 keys, a similar order with the computer keyboard.

<table>
<thead>
<tr>
<th>Button name</th>
<th>Description</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-9</td>
<td>Number key</td>
<td>/ Enter a number or programs</td>
</tr>
<tr>
<td>A-Z</td>
<td>English characters key</td>
<td>/ Enter regular English word</td>
</tr>
<tr>
<td>F1</td>
<td>Function key</td>
<td>/ Set display speed</td>
</tr>
<tr>
<td>F2</td>
<td>Function key</td>
<td>/ Residence time settings</td>
</tr>
<tr>
<td>F3</td>
<td>Function key</td>
<td>/ Text-align</td>
</tr>
<tr>
<td>F4</td>
<td>Function key</td>
<td>/ Display language choice</td>
</tr>
<tr>
<td>←</td>
<td>Backspace</td>
<td>/ Delete a single character</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>Power switch key</td>
<td>/Turn on/off</td>
</tr>
<tr>
<td>-----------</td>
<td>------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Enter</td>
<td>Confirmation key</td>
<td>/ Confirm to perform some operation</td>
</tr>
<tr>
<td>ESC (MENU)</td>
<td>Return key(Menu key)</td>
<td>/ enter the main menu, or return on an interface</td>
</tr>
<tr>
<td>CAPS</td>
<td>Caps lock</td>
<td>/Caps lock</td>
</tr>
<tr>
<td>SHIFT</td>
<td>Shelloft</td>
<td>/ Choose second value keys</td>
</tr>
<tr>
<td>#1</td>
<td>Border</td>
<td>/ choose border mode</td>
</tr>
<tr>
<td>#2</td>
<td>FONT setting key</td>
<td>/Set font</td>
</tr>
<tr>
<td>#3</td>
<td>COLOR setting key</td>
<td>/Set character color</td>
</tr>
<tr>
<td>#4</td>
<td>ACTN setting key</td>
<td>/Set action</td>
</tr>
<tr>
<td>#5</td>
<td>BMP setting key</td>
<td>/insert special characters</td>
</tr>
<tr>
<td>#6</td>
<td>ICON setting key</td>
<td>/Insert picture and animation</td>
</tr>
<tr>
<td><strong>DEL</strong></td>
<td>Delete key</td>
<td>/Delete one program</td>
</tr>
<tr>
<td>SPACE</td>
<td>Space bar</td>
<td>/Insert space</td>
</tr>
<tr>
<td>CTRL</td>
<td>Function key</td>
<td>/ Alignment between different font</td>
</tr>
<tr>
<td>ALT</td>
<td>-------</td>
<td>/ backup keys, does not work</td>
</tr>
<tr>
<td>❯❯❯❯</td>
<td>Arrow key</td>
<td>/ Move the cursor \ page \ plus or minus \ time and date format selection</td>
</tr>
<tr>
<td>◀◀◀◀</td>
<td>Partition setting key</td>
<td>/Set up horizontal partition size</td>
</tr>
<tr>
<td>◀◀</td>
<td>Partition setting key</td>
<td>/Set vertical partition size</td>
</tr>
<tr>
<td>Punctuation</td>
<td>second value keys</td>
<td>/ Enter a variety of punctuation</td>
</tr>
<tr>
<td>@#%</td>
<td>Symbols</td>
<td>second value keys</td>
</tr>
</tbody>
</table>

**Remarks:** second value keys operation method: Press the SHIFT key and then press the corresponding number or letter key
Chapter II: IR remote controller edit menu description

2.1. IR remote controller edit menu list:

![Menu Diagram]

Picture 2.

2.2. Menu operation instructions:

How to enter the menu? Operation format as follows:
Press “ESC(MENU)”⇒The screen show “PWD---”input the password (the default password is blank) press “Enter” go to first Menu, move the cursor to choose different Menu, when the screen show “1.EDIT” and press “Enter” go to program editing interface. When the screen show: “2.Tools”, and press “Enter” go to second Menu, in the second menu we will setting time /date, brightness, password, ID and so on. Specific operation as follow.

Chapter III. Program editing and program attribute setting

3.1. Program editing flow chart

Press “ESC(MENU)”⇒The screen show “PWD---” input the password (the default password is blank) press “Enter” go to first Menu, move the cursor to choose different Menu, when the screen show “1.EDIT” (as picture 3) and press “Enter” go to program editing interface.
Edit operation process as follows:

1. Press "ESC(MENU)" input "password" (the default password is blank), press "ENTER" the screen show "1.EDIT", and then press "ENTER" go into editing interface.

2). program number choice: program number format is "M:001-N" press "ENTER" turn to next.

3). partition type choice, when the screen show "1.no area", press "ENTER" turn to next.

4). program type choice, when the screen show "1.RTF", press "ENTER" turn to next.

5). Through Conventional character input area input message “Thank you use”.

6). After input press "ESC(MENU)", the screen show "Save?(Y/N)", press character "Y" save program and then press "ESC(MENU)" two times to quit program edit. The screen show your input message.

3.2. Program editing detailed annotation

Press "ESC(MENU)" input the password (the default password is blank) press "Enter" go to first Menu, move the cursor to choose different Menu, when the screen show "1.EDIT" (as picture 3) and press "Enter" go to program editing interface, first interface is program number choice.
3.2.1. Program number choice operation, as picture 4

**Picture 4**

1) Word of the special meaning: "M" short of Message, "001" stand for program number (program number from 001 to 100), "N" stand for no content, "D" stand for have content in this program.

2). Other operation in this interface:
A. Delete one program's content. Operation: Move cursor to choose that need to delete program. ➞ Press “DEL”, the screen show as picture 5, press “Y” delete this program content, press “N” return.

**Picture 5**

B. Move cursor to choose that need to build new content or amend program number.
C. Press “ENTER” go to next step Partition setting.

3.2.2. Partition setting, the screen show as picture 6

**Picture 6**

1). Move cursor (⚈/⚉) to choose different partition type. (Total have 6 type to choice), and then press “ENTER” to confirm choice. for example when the screen show "5.1L2H area", and press “ENTER”, the screen show as picture 7.

**Picture 7**

2). Press cursor key (⚈/⚉)(⚈/⚉) to choose different area, The selected area scintillation display, press “็ด Erotische” key (left-plus, right-reduce, With 8 points as unit increase or decrease, horizontal direction minimum 32 points, vertical direction minimum 8 points) to adjust the horizontal direction area size, press “กด วัน” (up-reduce, down-plus) key to adjust vertical direction area size (it is suitable for up and down partition) with one area size change, the other area size also change. After adjust size as picture 8 show:
3). Area size set well, and then use cursor key to choose one area (the selected area scintillation show) that need to add content, press “ENTER” go to next step, Press “ESC” return.

3.2.3. Message type setting, the screen show as picture 9

![Picture 9](image)

1). Use cursor key (↑ / ↓) to select different message type (there have two type to select. 1. RTF, 2. Time), after select press “ENTER” to confirm selection. And then turn to next step. As picture show that is time message.

![Picture 10](image)

3.2.4. Multi-row display setting. As picture 11 show is one type.

![Picture 11](image)

1). Use cursor key (↑ / ↓) to select different type. There are three types to choose. "1. A line, 2. Two lines," (16 dots high only 2 types, 32 dots high have 3 types) press “ENTER” to confirm selection and go to next step input content.

3.3. Content edit and attribute setting

Through above procedure, turn into editing status. If choose message type is RTF, now we can input the letters, special characters, ICON, BMP etc. This moment, cursor on screen show in scintillation state. if the message type is time, now the screen show date. At the same time we can setting program attribute include stay time, color, action, font etc.
3.3.1. RTF content edit

With build new one no partition program as example to descript how to input the RTF content. (input content in the different area and modify content the same as build new one)

1). Input conventional characters

Under the editing status, input letters from Conventional character input area on the keyboard. Press "Caps lock" to change the capital & lowercase letter. When you select two lines or many lines, you press “ENTER” turn to next line. In this status you can through press backspace key (←) to delete one letter. Move cursor to any place, and then input content in this place. As picture 15 show.

![Picture 14](image)

Picture 14

2). Input the second value key characters

Move cursor to need to insert second value key character’s place, (cursor in flashing state). First press "Shift", and then press digit key or letter key, insert this character. For example: input “@”, press “Shift”, and then press “2”. As picture 15 show.

![Picture 15](image)

Picture 15

3). Insert other special characters

Move cursor to need to insert Special characters place, (cursor in flashing state). press”#5”(BMP) key, turn to character choice interface, press cursor key (↑/↓) to select(The selected in a scintillation state), press “ENTER” key to confirm selection. A part of characters list as picture 16:

![Picture 16](image)

Picture 16
4). Insert ICON

Move cursor to the need-to-insert ICON place (cursor in flashing state), press "#6" (ICON) key, turn to ICON choice interface, press cursor key (↑/↓) to select (the selected in a scintillation state), press “ENTER” key to confirm selection. A part of characters list as picture 17:

![Picture 17](image17.png)

3.3.2. Program action attribute setting

Attribute include: font, color, stay time, action mode, speed, alignment

1). Color setting

Move cursor to the need-to-change color’s place (cursor in flashing state) (Page Up Page down Left shift Right shift) ➔ press “#3” (COLOR) key, the color will change. (What you see is what you get on the screen), the effect as picture 18 shows:

![Picture 18](image18.png)

2). Font setting

Move cursor to the need-to-change font’s place (cursor in flashing state) (Page Up Page down Left shift Right shift) ➔ press “#2” (FONT) key, the font will change. (What you see is what you get on the screen), the effect as picture 19 shows:

![Picture 19](image19.png)

3). Action mode setting

Press “#4” (ACTN) key turn to action choice interface. Through move cursor key
to select action mode. (the default action is Auto, there are over 20 kinds of actions choice) press “ENTER” to confirm selection.

Notes: press” ENTER ” can save the choice, if press “ESC” can't save. Action mode list as picture 20

```
1  Auto
2  HOLD
   ...
17  snow
18  ...
19  ...
20  Flash
```

Picture 20

4). Speed setting

Press “F1”key turn to speed choice interface. Through move cursor key to select speed level. (the default is 3 level, there are over 15 kinds of speed level choice) press “ENTER” to confirm selection.

Notes: press” ENTER ” can save the choice, if press “ESC” can't save. Speed list as picture 21 show.

```
[/Speed]
```

Picture 21

5). Stay time setting

Press “F2”key turn to stay time choice interface. Through move cursor key to select stay time. (the default is 3 level, there are over 30 kinds of stay time to choice) press “ENTER” to confirm selection.

Notes: press” ENTER ” can save the choice, if press “ESC” can't save.

6). Alignment setting

There are three alignment to select. Center/Left/Right. Different mode through press”F3” key to change, press “ENTER” to confirm selection.

```
[/Center]
```

Picture 22
7). Alignment between different font

There are three alignment to select. Middle/Align down/Align Top. Different mode through press “CTRL” key to change, press “ENTER” to confirm selection.

8). Border setting

In order to enhance the effect of the show, this system increases the dynamic circular border effect. through press “#1” key to change, press “ENTER” to confirm selection.

3.3.3. Save program operation

All setting and edit are well, press “ESC” into save interface. (as picture 23)
Press “Y” save program and return to the previous menu level.

3.3.4. Time/Date program edit

1). Insert Time/Date content

According the chapter 3.2, into the message type selection interface. (as picture 24), press “ENTER” into time program edit.

2). Time/Date format setting

First setting date: Press cursor key to select date forma (have 14 kinds of format to select. what you see is what you get on the screen), press “ENTER” to confirm selection. And then it is time format setting (operation mode the same as date setting).
3). Action attribute setting

Color\Font\Action\Speed\Residence time etc attribute setting the same as RTF operations. **If the time display wrong, please set it in “tools”—“set time&date”**

---

**Chapter IV The use of system Tools**

4.1. How into Tools menu.

Tools menu include:"1.Set Time & Date", "Set brightness", "SET ID", "Set password", "Format". Enter to tools menu’s operation as below:
Press “ESC(MENU)” the screen show “PWD---” input the right password(the default password is blank) and then press “Enter” turn to first level menu, press Cursor key ,when the screen show”2.Tools”, as picture 25, press “Enter” turn to second level menu. Use cursor key to choose different type. press “Enter” go to operate.

![Picture 25](image)

4.2. Time/Date setting

According above operation, when the screen show “1.Set T/D”(as Picture 26) Press “Enter” turn to setting interface.

![Picture 26](image)

The screen display: **Year-month-date, hour: minute: second week** (digital form)
Use cursor key(↑/↓)to select setting item.(The selected in scintillation) use cursor key (↑/↓)to adjust ("↑"reduce, "↓"increase) all items set well ,press ”ESC” turn to save interfaceosal the screen show "Save?(Y/N) ”⇒Press “Y” to save.
4.3. Brightness setting.

According above operation, when the screen show “2.Set BV” (as Picture 27) Press “Enter” turn to setting interface.

![Picture 27]

The screen display: “B:100%” (current brightness/). Total have 10 levels Brightness to select, Use cursor key (▲/▼) to adjust (“▲” reduce, “▼” increase) (what you see is what you get on the screen) ⇒ press “ESC” turn to save interface ⇒ the screen show ”Save?(Y/N)” ⇒ Press “Y” to save.

4.4. Set ID

ID is Independent address of screen. If change it, please remember it.

According above operation, when the screen show “3.Set ID” (as Picture 28) Press “Enter” turn to setting interface.

![Picture 28]

The screen display: “ID:001” (1-255 Any one of the figures) Use cursor key(▶▭) to select setting item. (The selected in scintillation) ⇒ use cursor key (▲/▼) to adjust (“▲” reduce, “▼” increase) ⇒ all items set well, press “ESC” turn to save interface ⇒ the screen show ”Save?(Y/N)” ⇒ Press “Y” to save.

4.5. Set password

Note: The default password is empty, if change it, please remember it. If forgot it you can’t do anything.

According above operation, when the screen show “4.Set PWD--” Press “Enter” turn to setting interface. The screen show “OLD PWD--”, input the old password. (the default password is blank), press “Enter” turn to set new password (the password is digit), now the screen show “New PWD--” ⇒ Through digital key input the new password ⇒ press “Enter” turn to save interface ⇒ the screen show ”Save?(Y/N)” ⇒ Press “Y” to save.

4.6. Delete all program

According above operation, when the screen show “5.Format ” Press “Enter” turn to setting interface. Input the password, the screen show “format?(Y/N)” Press “Y” to delete all program, press “N” return.
Chapter V. Program Anycast

5.1. How through keyboard to turn on/off

Press “POWER” key to turn on/off

5.2. One program running

The number of programs in order from 1-99. Any-cast demand a program, press the corresponding number key to calling this program. For example: press “10”, will run NO.10 program.

Press the number keys "0" for automatic playback. You can also press the down arrow keys to select on a next program.

5.3. Call many program anycast.

Press“#1” key, input the program NO. press“#1” key again, quit anycast ,the program run.”(Maximum 10 programs)

Anycast format :#1program NO.*enter program NO.* enter…….program NO.* enter #1

5.4. FAQ

1. How to do when the screen black?
   Please check the power supply and press “Power” button for a few times.
2. How does it display real time?
   Please set it in “Tools”—“set time&date”, press “up” or “down” button to choose different format.
3. How to display messages in different areas?
   When the screen shows “1.No AREA”, press “up” or “down” button to choose different format.
4. How to adjust the brightness?
   When the screen shows “3.TOOLS”, press “ENTER” and then “up” or “down” button, when it displays “SET BV”, just press “ ENTER”, 1-10 levers brightness.
If you have any technical question, please send your question to: jingzhi5685@leadleds.com