



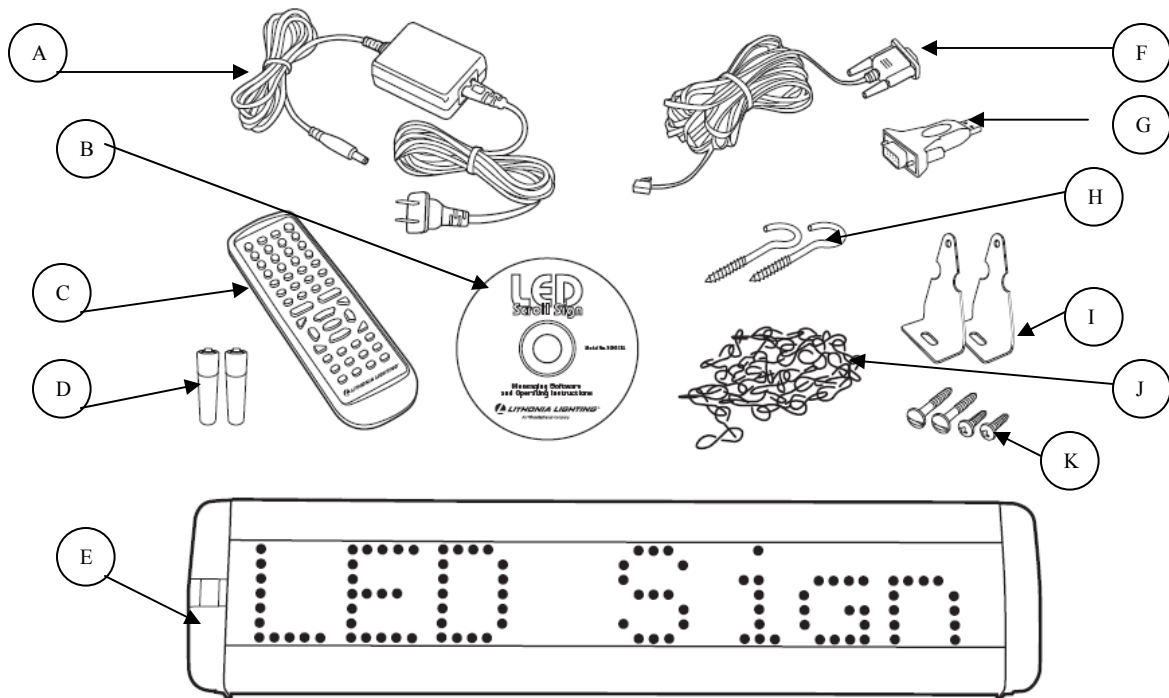
Instruction Manual
for
LED Scrolling Sign
Model No. SGNSCR

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Table of Contents

1. General Information	
1.1: Components.....	3
1.2: Installation Warnings.....	3
1.3: Ceiling/ Wall & Shelf Mount Instructions.....	4
1.4: Chain Mount Instructions.....	4
2. Sign Operation	
2.1: Start up.....	5
2.2: Turning off & on.....	5
2.3: Programming options.....	5
2.4: Product Specifications.....	5
3. Remote Control Operations	
3.1: Remote control layout.....	6
3.2: Remote control functions.....	6
3.3: Program message using remote control.....	9
3.4: Selecting display mode.....	10
3.5: Selecting color intensity.....	10
3.6: Selecting font size.....	10
3.7: Selecting speed.....	10
3.8: Adding Auto on/off.....	11
3.9: Adding alarm.....	11
3.10: Adding a symbol.....	11
3.11: Adding a pause.....	11
3.12: Adding alarm.....	12
3.13: Editing graphics.....	12
3.14: Adding beeps.....	12
3.15: Password functions.....	12
3.16: Sequencing files.....	12
3.17: Deleting files.....	13
4. PC Operations	
4.1: PC activation & screen layout.....	15
4.2: Programming a message.....	16
4.3: Selecting display mode.....	17
4.4: Changing color intensity.....	17
4.5: Changing font size.....	17
4.6: Adding date / time.....	18
4.7: Setting alarm.....	18
4.8: Adding hourly alarm.....	18
4.9: Selecting speed.....	18
4.10: Auto On / Off.....	19
4.11: Adding pre-defined symbol.....	19
4.12: Adding a pause.....	20
4.13: Adding beeps.....	20
4.14: Adding international characters.....	21
4.15: Sequencing files.....	21
4.16: Creating custom graphics.....	22
4.17: Deleting files.....	22
5. Additional product	
5.1 Trouble shooting guide.....	22
5.2: Warranty.....	22
5.3: USB Adaptor Instructions.....	22

1.1 Components



Item	Component Description	Replacement Part No
A	Power Adaptor with cord set	185JTC
B	CD with Messaging software	185JTE
C	Remote Control	185JTA
D	(2) AAA Batteries	None
E	LED Scrolling Sign	None
F	25' of USB cable	None
F	(2) Mounting brackets	None
G	USB to RS232 Adaptor	None
H	(2) Mounting hooks	None
I	Mounting Brackets	None
J	*(2) 31'' Chains	None
K	*(2) #12 x 1 1/2'' & (2) #12 x 5/8 Round Head Wood Screws	None
	Instruction Manual	U1200-67593

* Indicates parts that are supplied in the hardware pack

1.2 Installation Warnings

Protect yourself. Before installing or programming the product please carefully read and understand these instructions. Save this manual for future reference.

- Install LED sign using mounting brackets or chain per instructions. See Section I-3 & 1-4
- LED sign is for indoor use only! Do not use in locations where liquids or chemicals are present.
- Power adaptor is not to be supported by power cords. Position adaptor on a sturdy flat surface.
- Power adaptor should be located away from any accidental contact with liquids or chemicals.
- Recommended distance between sign and power outlet not to exceed 9'.
- Use only the power adaptor supplied with the sign. Other power supplies could damage the sign and void the warranty.
- Do not position sign where signal from remote control will be blocked.
- Caution "electrostatic discharge" can result in loss of data or damage to the sign.
- Sign location should in an area where temperature range is between 0°C (32°F) and 45° (113°).
- Check local ordinances regarding the use of flashing signs.

1.3 Surface Mount Installation

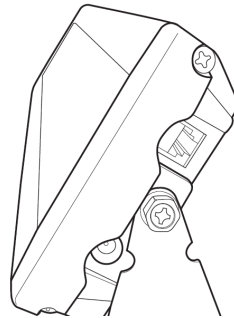
1. For Wall or Ceiling Mount: Determine best location for sign and drill (2) 1/8" diameter holes 15 1/2" apart. If drill bit encounters a stud, joist or other solid surface then proceed to Step 2. If surface drilled will not support sign enlarge hole to accommodate toggle bolt (not supplied).

For Shelf Mount: The sign can rest on top of a flat surface or be secured to prevent accidental tipping. To secure determine location for sign and drill (2) 1/8" diameter holes 15 1/2" apart.

3. To attach the mounting brackets to wall or ceiling use (2) # 10 x 1 1/2" wood screws or toggle bolt (not provided) for shelf mounting use (2) # 10-5/8" wood screws with bracket flange facing inward as shown in Photo 1.



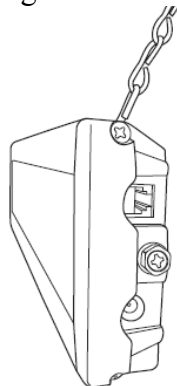
4. Remove hex head screws from each end of sign then lift between mounting brackets making sure remote sensor is on left-hand side



5. Align slot in bracket with threaded hole in sign end and install screw through slot on side of brackets, adjust to desired angle then tighten screws as shown in Photo 2.

1.4 Chain Mount Installation

1. Determine best location for sign and drill (2) 1/8" diameter holes 16" apart into a surface capable of supporting the sign. Screw hooks provided into drilled holes.
2. Remove top screw (remote sensor should be on left side) from end of sign. Insert screw through last link in chain and reinstall screw in sign, repeat on opposite end. See Photo 3 for details.
3. Secure chains onto hooks at desired height.



2.1 Start up

Plug connector from the power adaptor into the sign and plug opposite end into a 120 volt outlet. Please read the installation warnings for proper power adaptor location. Once the power is supplied and the sign is turned on, sign will display a default message:

Lithonia Lighting's LED message sign is capable of displaying (6) font sizes: 5x6 Short 5x11 Short & Wide 7x6 Default 7x11 Wide 7x9 7x17 Extra Wide Small Font (24) scrolling options: Instant, Open <<<, >>>Open, <<Open>>, >> Open<<, Cover C, Cover<<<, >>>Cover, >Cover <, Scrl up, Scrl dwn, I Center, I Cover, Cover Up, Cover Dn, Scan, Explode, Chomper, Stack, Shoot, Flash (8) display speeds with (30) pre-programmed symbols (symbols displayed) Create custom symbols yourself Use programmed timing for auto on/off, timed display, and display digital clock or date. Insert Beeps to draw attention Overall, a great tool to create instant promotions, welcome guests, communicate safety messages. The Possibilities Are Endless!

To create customized messages see "Programming Options" below.

2.2 Turning off & on

The sign can be turned off by unplugging the power adaptor plug from the convenience outlet.

Note: If sign loses power for an extended period of time current time and date may need to be reset.

The sign can be turned off /on using the remote control by pressing and holding the **ALT** (Red) button then pressing the **RUN** (Red) button.

The sign can also be programmed to turn off and on automatically see "Section 3.7 or Section 4.6" section for programming details

2.3 Programming options

There are 2 ways to program messages into the sign:

Remote Control

The sign can be operated and programmed from up to 30' away using the remote control. No cables or computer are required. For programming the sign using the remote control see section entitled "How to program message using remote control" on page 9.

Computer

The sign can also be programmed using a personnel computer. Computer requirements for programming are: Pentium 200 or above, 32M memory, 2M or above of display memory, 100M hard drive disk empty, with windows 95 version or above. For programming the sign using software and a computer see section entitled "PC Operation" on page 15.

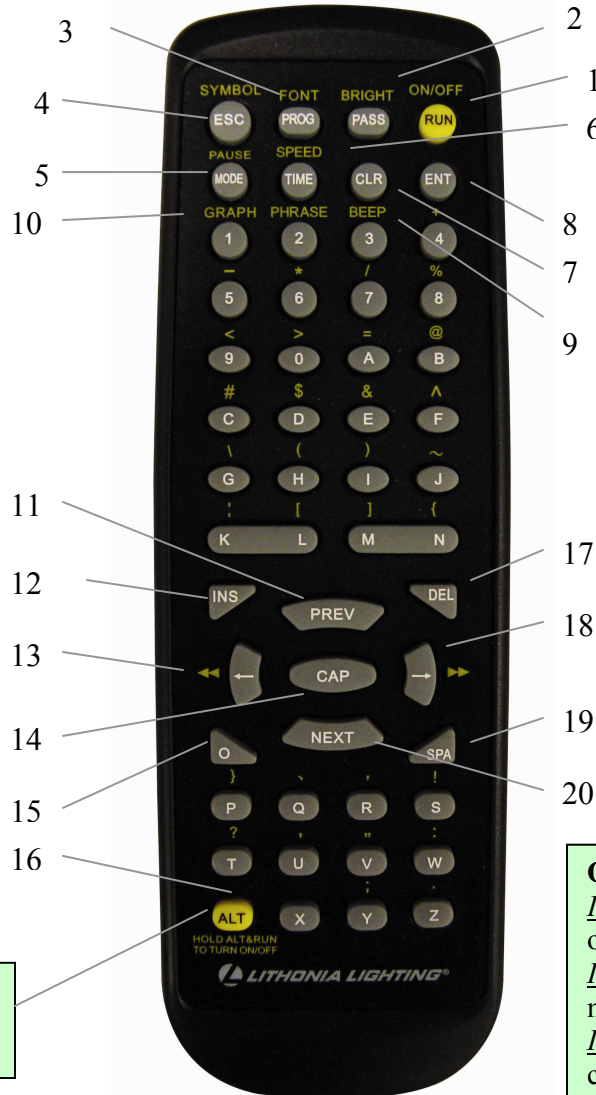
2.4 Specifications

LED Sign: Weight: 2 Lbs
 Size: 3 13/16" (H) x 17" (L) x 1 1/4" (D)
 Memory capacity: Sign can store up to 100 messages (total capacity 9000 characters)

Power Adaptor: Input: 100-240V~0.5A 50-60Hz
 Output: 5V @ 3A
 Size: 1 29/32" (W) x 1 1/8" (H) x 4 1/2" (L)
 Cord reach: 9'

3.1 Remote Control layout

Point this end of remote towards sign.
 For best results stand within 5'-30' distance from sign
 with an unobstructed signal path between remote and sign.



Programming a simple message with default settings

- 1) Press & hold **ALT** then press **RUN**
- 2) Press **PROG**
- 3) Enter password (default=**000**) Press **ENT**
- 4) Enter empty file no. (**01 - 99**)
- 5) Enter desired message
- 6) Press **RUN**
- 7) At prompt enter **Y**

For other programming options and features see page 10

Holding down **ALT** button allows toggling to function in yellow letters above

Operational definitions:
In edit mode- In process of entering or editing message.
In display mode- Sign in operational mode of displaying message
In graph mode- In process of creating or editing custom graphics

3.2 Remote Control Functions

Call Out	Symbol or KEY	Description
1	ON/OFF	To turn sign on/off hold down ALT then press RUN
1	RUN	<i>In edit mode</i> - Press RUN then Y to save and run current message <i>In display mode</i> -Press RUN and enter 01 to 99 to select & display message
2	BRIGHT	<i>In edit mode</i> -Press and hold down ALT then BRIGHT . Use NEXT or PREV to display color intensity
2	PASS	<i>In edit mode</i> - Press PASS then use NEXT or PREV to select then ENT : UN PASS Turn off password security USE PASS Turn on password security RES PASS Reset to factory default password " 000 " CHANG*** Enter new password

3	FONT	<p>In text mode - Hold down ALT button then press FONT, use NEXT or PREV to select font size:</p> <p>[5x6] short [5x11] Short & wide [7x6] (Default) [7x9] Tall & wide [7x11] Tall & wider [7x17] Tall & extra wide</p>
3	PROG	Press PROG then enter 01 to 99 to begin editing mode
4	ESC	Press ESC to escape functions while in editing mode
4	SYMBOL	In edit mode - Press and hold ALT then SYMBOL to access list of preprogrammed symbols. Use NEXT or PREV to select desired symbol displayed within brackets.
5	PAUSE	<p>In edit mode- Press and hold ALT then PAUSE use NEXT or PREV to select desired pause duration.</p> <p>[PAUSE 1] 2 second pause [PAUSE 2] 3 second pause [PAUSE 3] 4 second pause [PAUSE 4] 6 second pause [PAUSE 5] 10 second pause [PAUSE 6] 20 second pause [PAUSE 7] 30 second pause [PAUSE 8] 60 second pause</p>
5	MODE	<p>In edit mode- Press MODE and use NEXT or PREV to select desired display mode.</p> <p>[CYCLIC] (Default) cycles through all display options at random [IMMED] Immediate [OPEN ←] Open from right [OPEN →] Open from left [OPEN← →] Open from center [OPEN→←] Open to center [COVER<>] Cover from center [COVER ←] Cover from right [COVER →] Cover from left [COVER ><] Cover to center [SCROLL ↑] Scroll up [SCROLL ↓] Scroll down [INTER →←] Interlace to center [INCOVER><] Interlace to cover [COVER ↑] Cover up [COVER ↓] Cover down [SCANLN] Scan line [EXPLODE] Explode [PACMAN] Chomper [FALL] Fall and stack [SHOOT] Shoot [FLASH] Flash [RANDOM] Random [SLIDEIN] Slide in</p>
6	SPEED	<p>In edit mode- Press and hold ALT then SPEED then use NEXT or PREV to select desired display speed.</p> <p>SPEED 1 Fastest speed SPEED 2 Faster speed SPEED 3 Fast speed SPEED 4 Medium speed SPEED 5 Medium speed SPEED 6 Slow speed SPEED 7 Slower speed SPEED 8 Slowest speed</p>

6	TIME	<i>In edit mode-</i> Press TIME then use NEXT or PREV to select: SET TIME To set at actual time SET DATE To set current date ALARM To set alarm times and interval HOUR ALA To set hourly alarm on/off 12H MODE Sets time in 12-hour format 14H MODE Sets time in 24-hour mode ADD TIME To add time display screen in data file ADD DATE To add date display screen in data file OFF TIME Auto turn off ON TIME Auto turn on
7	CLR	<i>In edit mode-</i> Press CLR then use NEXT or PREV to select: DEL ALL Deletes all message files DEL MSG Deletes file no that entered DELFI?? Deletes the current message file DELON/OF Disables auto turn on/off function DELABARM Disables alarm function
8	ENT	<i>In edit mode-</i> Press ENT to enter selected option or message.
9	BEEP	<i>In edit mode-</i> Press BEEP then use NEXT or PREV to select: BEEP1 (3) beeps BEEP2 Series of quick beeps BEEP3 (1) beep
10	GRAPH	<i>In edit mode-</i> Press GRAPH then use NEXT or PREV to select: GET GRA MAKE GRA (To create a graph use the following buttons to position CAP Activates/ Inactivates cursor NEXT Moves cursor down PREV Moves cursor up → Moves cursor to the right ← Moves cursor to the left INS Moves cursor up to the left O Moves cursor down to the left SPA Moves cursor down to the right DEL Moves cursor up to the right EDIT GRA
11	PREV	<i>In edit mode-</i> Use to scroll back through menu options <i>In graph mode-</i> Moves cursor up
12	INS	<i>In graph mode-</i> Moves cursor up to the left
13	←	<i>In edit mode-</i> Press to scroll back through current display <i>In graph mode-</i> Moves cursor to the left
14	CAP	<i>In edit mode-</i> Press to change from capitals to small letters <i>In graph mode-</i> Press to change from active to inactive
15	O	<i>In graph mode-</i> Moves cursor down to the left
16	ALT	Press & hold while pushing function button (Words in green text above button)
17	DEL	<i>In edit mode-</i> Press to character previously entered <i>In graph mode-</i> Moves cursor up to the right
18	→	<i>In edit mode-</i> Press to scroll forward through current display <i>In graph mode-</i> Moves cursor to the right
19	SPA	<i>In edit mode-</i> Press to insert spaces between text or characters
20	NEXT	<i>In edit mode-</i> Use to scroll forward through menu options <i>In graph mode-</i> Moves cursor down
22	A	<i>In edit mode-</i> Use NEXT to scroll through international characters: Å Ä Æ
23	C	<i>In edit mode-</i> Use NEXT to scroll through international characters: Ç Ć
24	E	<i>In edit mode-</i> Use NEXT to scroll through international characters: Ě
25	N	<i>In edit mode-</i> Use NEXT to scroll through international characters: Ñ
26	O	<i>In edit mode-</i> Use NEXT to scroll through international characters: Ö Ó
27	S	<i>In edit mode-</i> Use NEXT to scroll through international characters: Š
28	U	<i>In edit mode-</i> Use NEXT to scroll through international characters: Ů
29	Z	<i>In edit mode-</i> Use NEXT to scroll through international characters: Ž Ž
30	a	<i>In edit mode-</i> Use NEXT to scroll through international characters: â ä å æ ª

31	c	<i>In edit mode</i> -Use NEXT to scroll through international characters: ç
32	e	<i>In edit mode</i> -Use NEXT to scroll through international characters: é ê ë è
33	i	<i>In edit mode</i> -Use NEXT to scroll through international characters: ï ï í
34	n	<i>In edit mode</i> -Use NEXT to scroll through international characters: ñ
35	o	<i>In edit mode</i> -Use NEXT to scroll through international characters: ô õ ö ó ø
36	t	<i>In edit mode</i> -Use NEXT to scroll through international characters: Ł

Notes:

- Following instructions in **bold text** indicate buttons that must be pressed on remote control to operate function.
- **Underlined bold text** indicates information or text that must be entered to complete function.
- An audible beep will be heard when programming input from the remote is accepted.
- To use international characters in a message see call outs 22-29 on pages 8 & 9.
- Use the **CAP** button to toggle between upper and lower case letters and use **SPA** button to space words.
- Pressing **ENT** while in edit mode will start a new line of the message file.

3.3 How to program message using remote control

Step 1: Press and hold the **ALT** button then press **RUN** button to turn sign on. Screen should display the default message noted in section 2.1.

Step 2: Press **PROG** button. Screen display should read: **PASSWORD: *****

Step 3: Enter default password **000**. *Note: See section 3.15 to inactivate or change password*

Step 4: Press **ENT** button to enter edit mode. Screen display should read: **OPEN =??**

Step 5: Enter (2) digit file number (**01-99**) then press **ENT**. Screen display should read: **[CYCLIC]**.

Note: If following defaults are the desired display options proceed to Step 6.

Color- bright red

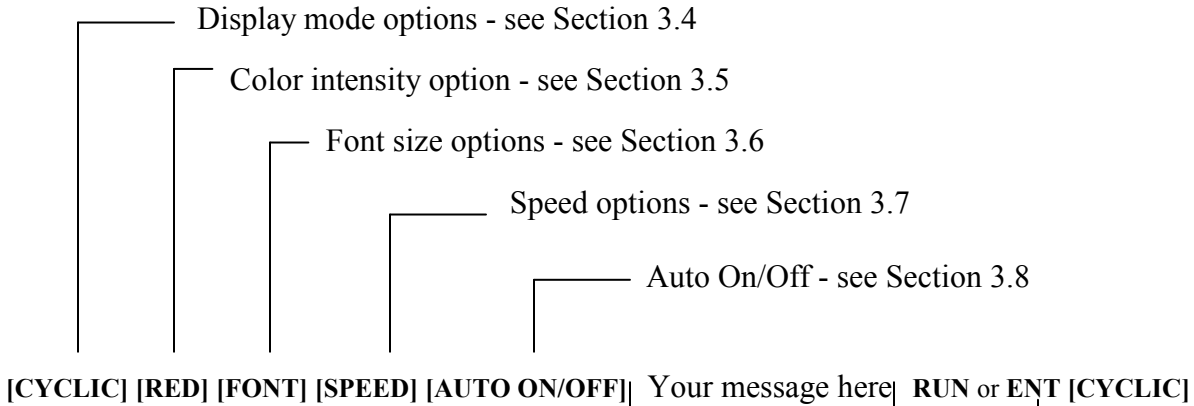
Text size- 5x7

Cyclic- Message will randomly cycle through all available display options

Step 6: Enter desired text message. Press **RUN** button the screen should read: **SAVE Y/N**. Selecting **Y** will save and begin displaying message, selecting **N** will return display to previous display.

Note: If different options are preferred see diagram & appropriate section(s) below.

The following illustrates where various options should be inserted into programming sequence.



The following additional options can be inserted into the message

[DATE] or [Time] - see Section 3.8

Symbol - see Section 3.9

Pause - see Section 3.10

Alarm - see Section 3.

Graphic - see Section 3.

Beeps - see Section 3.

Character - see Section 3.

Pressing **RUN** will end edit mode and sign will begin displaying message.

Pressing **ENT** will allow another line of text (with different options) to be added.

3.4 Selecting display mode

If display mode other than CYCLIC is desired after completing **Step 5** (in section 3.3) and before entering message text- Press **MODE** button then use the **NEXT** or **PREV** button to scroll through display options. See “call out” section 5 on page 7 for complete list of display option symbols and descriptions.

Multiple display options can be used in one file by pressing **ENT** for another line within same file.

NOTE: Message must be smaller than sign face to utilize different display modes.

3.5 Selecting color intensity

After selecting display mode and before entering message text- Press and hold **ALT** then press **BRIGHT** button and use **NEXT** button until desired intensity of red is displayed. If changes to color intensity within message are desired perform the same steps before each letter or word.

3.6 Selecting font size

After completing Step 5 and before entering message text- Press and hold **ALT** then press **FONT** button. Use **NEXT** or **PREV** button to scroll through font size options to select desired font. See “call out” section 3 on page 7 for complete list a text size options.

3.7 Selecting speed

Prior to entering text- Press and hold **ALT** then press **SPEED** the screen should read: **[SPEED1]**. Use **NEXT** or **PREV** button to scroll through speed options to select desired speed.

3.8 Auto On/Off

To add auto on/off time:

After step 5 and before entering message text press **TIME** then **NEXT** button until screen display reads: **ON TIME** then press **ENT** button. Use → or← keys to scroll to desired location then use **PREV** or **NEXT** buttons to change digits when all digits are correctly set press **ENT** button.

Develop message text then press **TIME** then **NEXT** button until screen display reads: **OFF TIME** press **ENT** and display will read: **00 = 00 = 00** (representing hour=minute= second). To set for desired turn off time use → or← keys to scroll to desired location then use **PREV** or **NEXT** buttons to change digits when all digits are correctly set press **ENT** button. For auto on scroll screen reads: **ON TIME** and repeat process.

To set for 12 hour mode:

Continue to press **NEXT** button until screen display reads: **12H MODE**. Press **ENT** button. When selected the display in 12 hour format.

Note: For auto off/on option to function time will need to be set in 24 hour mode.

To set for 24 hour mode:

Continue to press **NEXT** button until screen display reads: **24H MODE** press **ENT** button.

3.9 Adding date/ time

The current time can be displayed anywhere within a message. Note: current time and date will need to be entered prior to adding time or date. Follow direction noted below to set actual time/date.

To add time:

Pressing **TIME** then **NEXT** until screen display reads: **ADD TIME** then press **ENT** button.

Setting actual time: (Actual time needs to be set before auto functions can be used)

After completing Step 5 press **TIME** button display should read: **SET TIME**. Press **ENT** button screen display should read: **00 = 00 = 00** (representing hour-minute-second). To set to current time use → or← keys to scroll to desired location then use **PREV** or **NEXT** buttons to change digits when all digits are correctly set press **ENT** button.

To add date:

Pressing **TIME** then **NEXT** until screen display reads: **ADD DATE** then press **ENT** button.

Setting actual date: (Actual date needs to be set before auto functions can be used)

After completing Step 5 press **TIME** button use **NEXT** to scroll to **SET DATE** display. Press **ENT** and screen display should read: **MON** use **NEXT** to scroll to correct day then press ← or

→ button and display should read: **00-00-00** (representing year- month-day). To set to current time use → or← keys to scroll to desired location then use **PREV** or **NEXT** buttons to change digits when all digits are correctly set press **ENT** button.

3.10 Adding symbol

A symbol can be added at anywhere within a message-Press and hold **ALT** then press **SYMBOL**. Screen display should read: [→●←]. Use **NEXT** or **PREV** button until desired symbol is selected.

3.11 Adding a pause

A pause can be added anywhere within a message-Press and hold **ALT** then press **PAUSE**. Screen display should read: [**PAUSE1**]. Use **NEXT** or **PREV** button until desired pause duration is displayed. See call out section 5 on page 7 for complete display list.

Note: the pause function if entered within a message will pause the 8 characters prior to the pause command.

3.12 Adding alarm

After entering message text in edit mode- press **TIME** and screen display should read: **SET TIME** then press **NEXT** until **ALARM** is displayed. Press **ENT** and screen display will read: **C000 M000**. After “**C**” enter the number of times the alarm is to go off, after the “**M**” enter the minutes between each alarm i.e. C010M060 would result in 10 alarms every 60 minutes

To add hour alarm:

Press **TIME** then **NEXT** button until screen display reads: **HOUR ALA** then press **ENT** button.

3.13 Adding graphic

While at the location in the message the graphic is to be added- Press and hold **ALT** then press **GRA**. Screen display should read: **GET GRAPH** press **ENT**. Use **NEXT** to scroll to desired graphic then press **ENT** and complete message.

To Creating custom graphic:

While in edit mode- Press and hold **ALT** then press **GRA**. Screen display should read: **GET GRA**. Press **NEXT** button so screen display reads: **MAKE GRA**. Press **ENT** screen display will read: **NUMBER A** (8 graphic designs can be saved as A – H use **NEXT** button to scroll through list) press **ENT** to desired number. To start graphics use the following buttons to position cursor:

→ to add dots to the right.

←to add dots to the left.

PREV to add dots up

NEXT to add dots down

INS to add dots angling upward to the right

SPA to add dots angling downward to the right

DEL to add dots angling upward to the right

O to add dots angling downward to the left

When cursor is in the desired starting position press **CAP** to start graphic. To stop & start dot entry press **CAP**.

After completing graphic press **ENT** then assign display mode for symbol.

To Edit graphic:

While in edit mode and at the location in the message the graphic is to be added- Press and hold **ALT** then press **GRA**. Press **NEXT** until screen reads: **EDIT GRA** then press **ENT**. Screen will display **NUMBER A** scroll using **NEXT** until desired graph number is displayed then press **ENT**. Screen will display **STORE A**

3.14 Adding Beeps

A beep can be added anywhere within a message-Press and hold **ALT** then press **BEEP**. Screen display should read: **[BEEP1]**. Use **NEXT** button until desired beep type is displayed. See call out section 9 on page 8 for complete display list.

3.15 Password Functions

Step 1: Press **PROG** key to enter edit mode. Screen display should read: **OPEN: ??**

Step 2: Enter **000** then press **ENT** key. Screen display should read: **OLDFIL [CYCLIC]**

To deactivate password protection:

Press **PASS** screen display should read: **UN PASS** press **ENT**.

To activate password function:

Press **NEXT** screen display should read: **USE PASS** press **ENT**.

To reset password:

Press **NEXT** key. Screen display should read: **RES PASS** press **ENT**

To change password:

Press **NEXT** key. Screen display should read: **CHANGE: ***** Enter 3 digit code and press **ENT**. Screen should read: **AGAIN: ***** Enter same 3 digit password then press **ENT** *key*

3.16 Sequencing files

Sequencing files provides the ability to change portions of a lengthy message easily and quickly. The following will demonstrate the steps required to sequence a message that will be displayed Monday through Friday from 11:30 to 1:00.

The following message files were created and saved:

<u>File No.</u>	<u>Message</u>
20	Welcome to Terry's dinner
21	Today's special is:
22	¼ lb Cheeseburger with French Fries
23	Severed with a 12 oz
24	Ice cold Coke
25	Fish & Chips

Step 1: Press **PROG** screen should display **OPEN:??**

Step 2: Press **S** button and screen should display **[S0]**. Enter **1** then press **ENT**. Screen should read:
D 0 1 2 3 4 5 6

Step 3: Use **→** to scroll to highlight **1** (number will appear as negative image on "lighted background") Note: 0 represents Sunday, 1 for Monday, 2 for Tuesday, etc.

Step 4: Use **NEXT** to toggle **1 ON** (number that has been toggled ON will appear as a brighter red

Step 5: Press **S** and screen should display **STA 00:00**. Use → to scroll to each position then press **NEXT** or **PREV** until desired digits show the desired start time (For the example 11:30 was entered).

Step 6: Press **S** then **NEXT** to display: **END 23:59**. Use → to scroll to each position then press **NEXT** or **PREV** until desired digits show the desired start time (For the example 1:00 was entered).

Step 7: Press **ENT** display should read: **S1**. Then enter the desired messages in sequential order. (For this example **20 SPA 21 SPA 22 SPA 23 SPA 24** was entered Note that the **SPA** button was used between each file number.)

Step 8: Press **RUN** and screen should read: **SAVE? (Y/N)**. Press **Y** and the message is saved as **S1**

To modify the message from “¼ lb Cheeseburger with French Fries” to “Fish & Chips”

Step 1 Press **PROG** screen should display: **OPEN:??**

Step 2: Enter **S1** then press **ENT** screen will display **D 0 1 2 3 4 5 6** (with 1, 2, 3, 4, 5 brighter) press **S** and screen will display **STA 11:30** press **S** again and screen will display **END 01:00**

Step 3: Press **ENT** display should read: **S1**. Then enter the desired messages in sequential order. (**20 SPA 21 SPA 25 PA 23 SAP 24** was entered)

Step 4: Press **RUN** and screen should read: **SAVE? (Y/N)**. Press **Y** and the message is saved as **S1**

3.17 Deleting files

After completing step 5 in section 3.3 press **CLR** then use **NEXT** or **PREV** to select:

- DEL ALL** will delete all saved message files
- DEL MSG** will delete file no that entered
- DELFI??** Will delete the current message file
- DELON/OFF** will disable auto turn on/off function
- DELALARM** will disable alarm function


4.1 PC Operation: software activation & screen layout

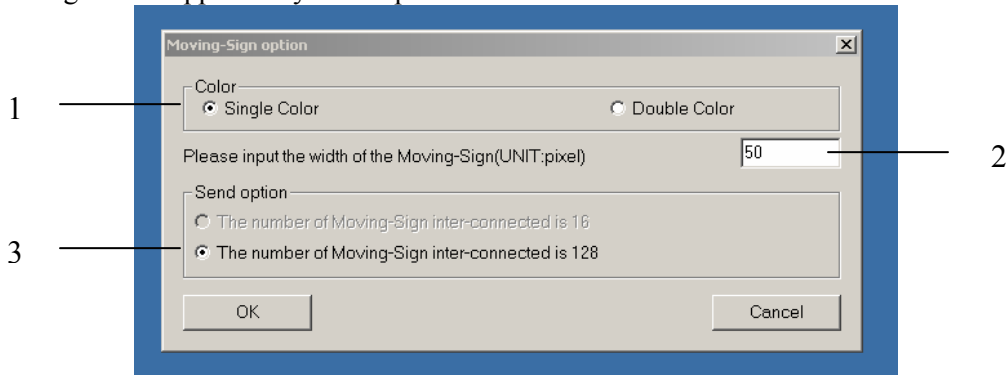
Notes:

- See “Programming Options” on page 5 for minimum computer requirements. The sign can be connected to only one computer, sign can not be networked.
- Instructions for PC programming that are in underlined bold text indicate keys that must be pressed or operations that must be performed.

Step 1: Connect the sign to the computer using the 25’ cable provided. *Note: RS232 port required on computer. If port is not present, use USB adaptor included. See Section 5.3 for details: additional software drivers needed.*

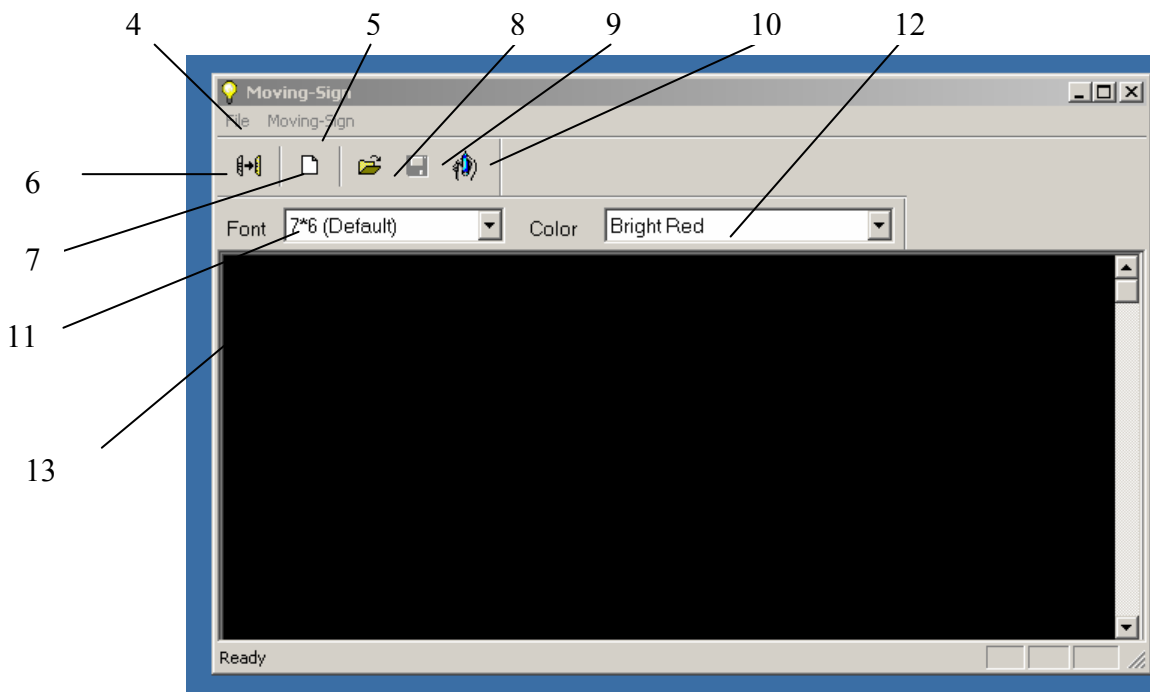
Step 2: Insert the CD with messaging software into the CD-ROM drive of the computer.

Step 3: After turning computer on **double click** the  icon to activate programming software. The following should appear on you computer screen:



Call Out	Name	Description
1	Color	Select Single Color .
2	Width (Unit /pixel)	Enter 50
3	Send option	Select The number of Moving Sign inter-connected is 128

Step 4: Select options as noted in chart above and **click** on OK button. The following should appear on your computer screen:



Call Out	Toolbar Name	Sub-menu (Shortcut)	Description	Action Required
4	File	Clear	Clears contents in text edit area	If Yes is selected enter file name. Selecting No will clear text
		Open (Ctrl+O)	Opens any saved (*.sdv) files	Select file to open
		Save	Saves text in edit area as new *.SDV file	Initial location and file name will need to be selected
		Save as (Ctrl+S)	Saves text in edit area as *.SDV file	Save as new file or replace existing file
		Exit	Exit the messaging software	
5	Moving-Sign	Send	Send edit area's content: Updates sign with contents in the text edit area Send disk file...: Updates sign with stored *.sdv file	
		Execution lattice	Displays screen for creating custom graphics or text. See "Advanced Messaging" section for complete details.	
		Special function	Allows scheduling of automatic on/off & alarm times. See "Advanced Messaging" section for complete details.	
		Moving-Sign option	Models' selection	
		Test	Send a test signal to the sign	
6	Send		Updates sign with contents in text edit area	
7	New		Clear all the contents in the text edit area	
8	Open		Open an existing file (*.sdv)	
9	Save		Use to save or replace existing file with text currently in edit area.	
10	Graphic edit		Create custom 7x80 (height x width) pixels graphics Note: up to 8 custom graphics can be created	
11	Font		Use pull down menu to select font size	
12	Color		Use pull down menu to select color of display message	
13	Text edit area		Enter message wording on screen here	
			Right click in text area to pull the option list shown in section	

4.2 Programming a message

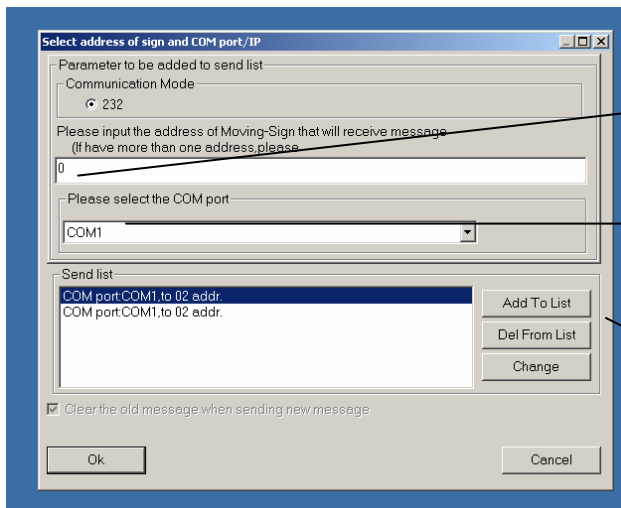
Step 5: On toolbar **click** on "Font" use pull-down menu arrow to display font options, scroll down to desired font size/style and **click** when highlighted.

Step 6: On toolbar **click** on "Color" use pull-down menu arrow to display color option scroll down until desired display color is highlighted and **click** when highlighted.

Step 7: Enter desired text message. Multiple lines can be used for one file by pressing enter
If display message is longer than (1) sign screen the display will *default* to ←-scroll.
For different display options see appropriate section(s) below.

Note: By pressing & holding Ctrl key then pressing enter allows the development of additional files.

Step 8: In toolbar click on send icon to send message, the following should appear on screen:



Enter the file location of message (default = 0)

Select a suitable COM port

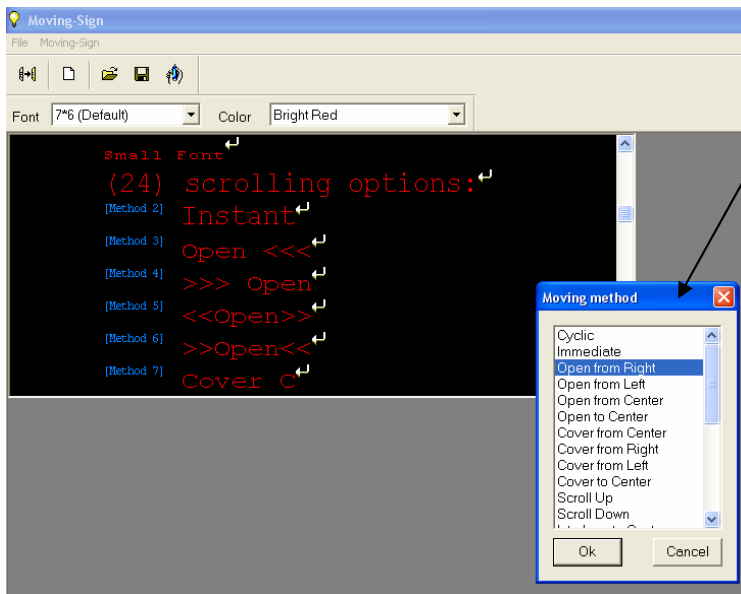
- COM1 Should be standard when using your RS 232 Port
- See additional instructions for using USB Adapter if needed

Once Com port is selected click "Add To List"

Step 9: Enter file location and COM port information as shown above. Click ok and files will be sent to LED Sign.

4.3 Selecting display mode

To display the entire message with the same display mode position cursor at the beginning of the message then right click in text edit area, scroll to **Insert moving method** click on desired method when highlighted click on OK button.



If various display methods are desired within a single message position cursor in front of text and insert display method.

Note: If a word or message is longer than sign screen the message will be displayed in the default display mode of "Scroll to left"

4.4 Changing color intensity

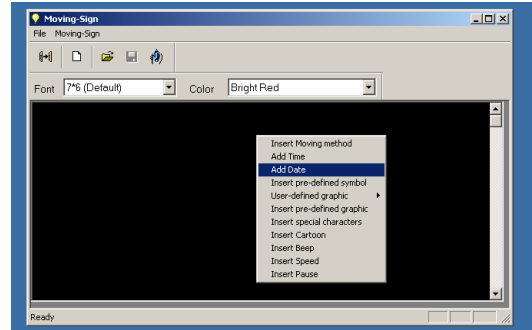
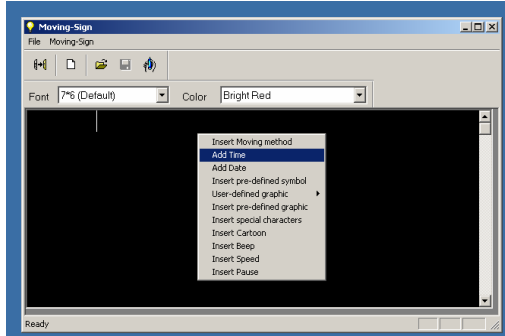
Use cursor to highlight the text for color intensity change then click on color selection arrow, use cursor to highlight desired selection and click

4.5 Changing font size

Use cursor to highlight the text for font change then click on font selection arrow, use cursor to highlight desired selection and click

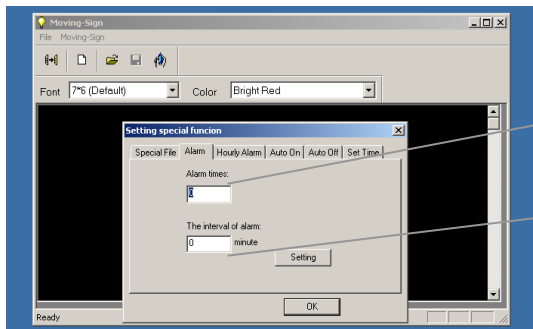
4.6 Adding date / time

To display either current time or date into message position cursor in desired location then **right click** in text edit area. The following screen should appear position cursor above **Add Date** or **Add Time** and **click** when highlighted.



4.7 Setting alarm

Click on **Moving-Sign** in toolbar then scroll down to highlight **Special Function** and **click**. The following screen should appear to complete program **add** the number of times the alarm is to beep then **add** the minutes between each alarm.

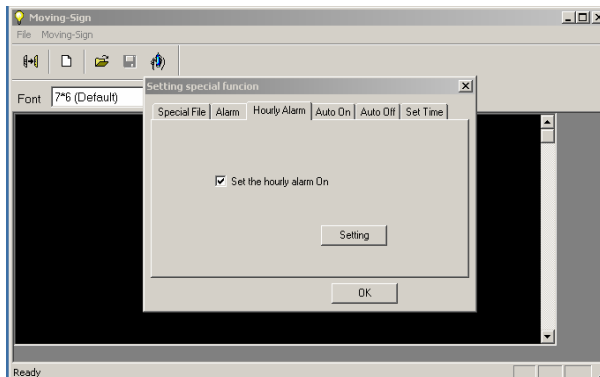


Enter the number of beeps per each alarm

Enter the number of minutes between each alarm

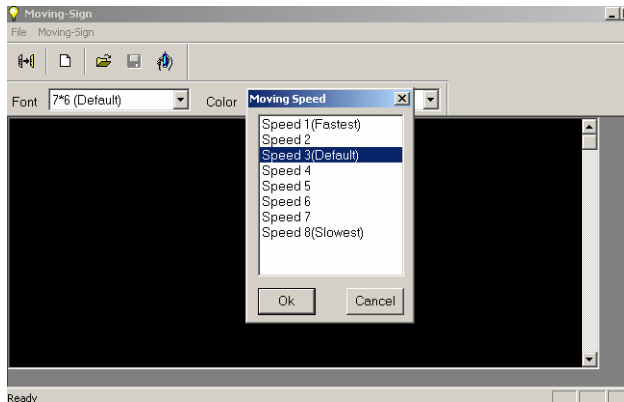
4.8 Adding hourly alarm

Click on **Moving-Sign** in toolbar then scroll down to highlight **Special Function** and **click**. The following screen should appear to complete program **add** the number of times the alarm is to beep then **add** the minutes between each alarm.



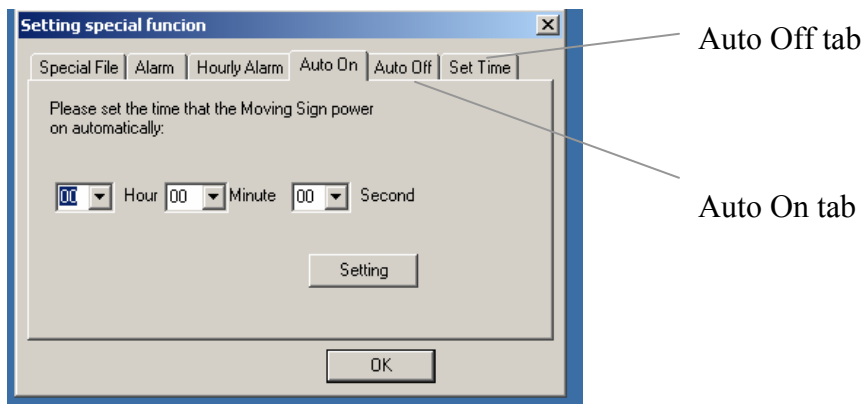
4.9 Selecting speed

To change (from default speed of 3) **right click** in text edit area then **click** on **Insert Speed** and the following screen should appear. **Click** on desired speed then **click** OK.



4.10 Auto On/Off

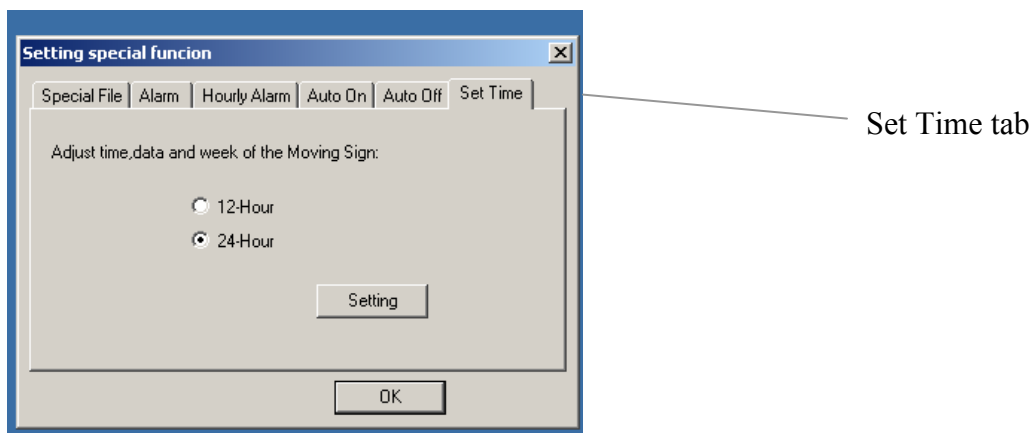
Click on **Moving-Sign** in toolbar then scroll down to highlight **Special Function** and **click**. The following screen should appear. **Click** on **Auto On** or Auto Off tab to complete program **add** the number of times the alarm is to beep then **add** the minutes between each alarm.



To set for 12 or 24 hour mode:

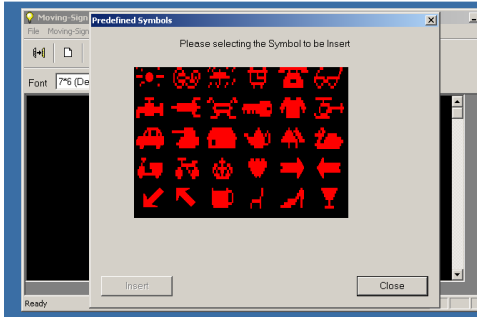
Click on **Set Time** tab then **click** on desired time mode

Note: For auto off/on option to function time will need to be set in 24 hour mode.



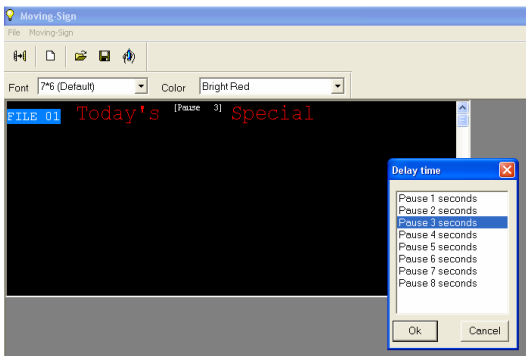
4.11 Adding a pre-defined symbol

A symbol can be added anywhere within a message- Position cursor in message where desired symbol is to be placed then **right click** in text edit area. **Highlight Insert pre-defined symbol** and **click**. The following screen should appear, **click** on desired symbol then **click** “Insert button”. **Click** “Close button”.



4.12 Adding a pause

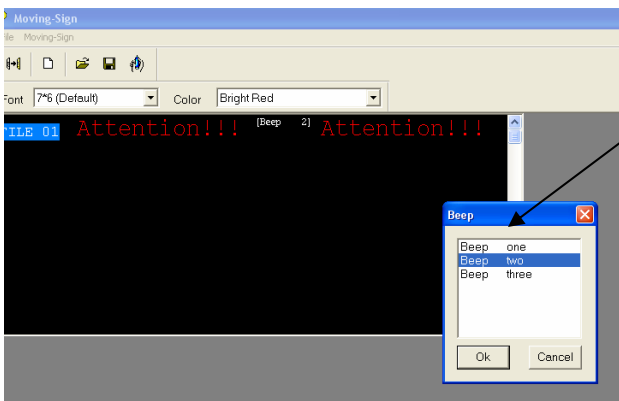
A pause can be added anywhere within a message- Position cursor in message where a desired pause is to be placed then **right click** in text edit area. **Highlight Insert pause** and **click**. The following screen should appear, **click** on desired pause duration then **click** “OK” button.



Note: the pause function if entered within a message will pause the 8 characters prior to the pause command

4.13 Adding Beeps

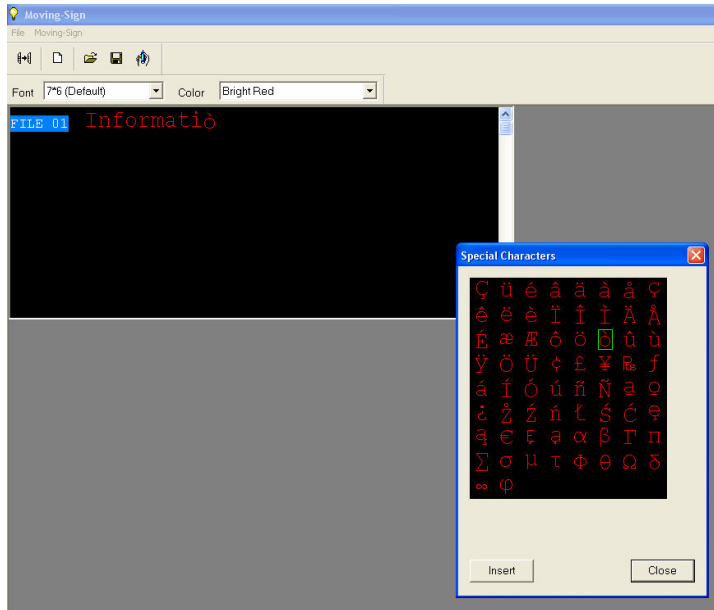
To insert a beep within a message position cursor at desired location in message then **right click** in text edit area **highlight Insert Beep** and **click**. **Click** on desired beep then **click** “OK” button



In this illustration the beep command was inserted by positioning and clicking the cursor between the words then right clicking, and highlighting “Beep two”. The OK button was clicked and the command was inserted

4.14 Adding International characters

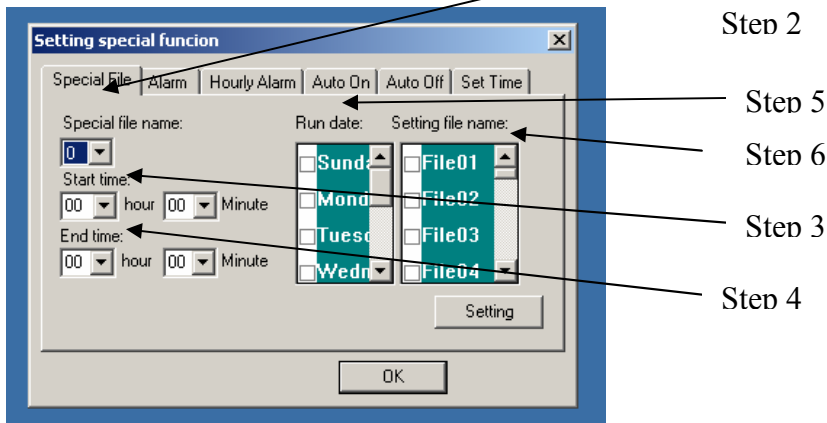
To insert an international characters within a message **right click** in text edit area then highlight **Insert special characters** select desired character and **click** “Insert” button.



4.15 Sequencing files

Sequencing files provides the ability to change portions of a lengthy message easily and quickly. The following will demonstrate the steps required.

Step 1: **Click** on “Moving-Sign” then **click** on “Special Function” the following screen should appear



Step 2: **Enter** a “Special file number” from 0 to 9 from the pull-down menu.

Step 3: **Enter** the desire “Start time” hour and minute from the appropriate pull-down menu.

Step 4: **Enter** the desired “End Time” hour and minute from appropriate pull down menu.

Step 5: **Enter** day(s) of display by **clicking** in the box(s) in front of the desired days.

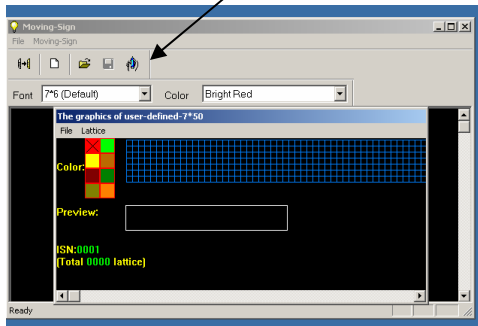
Step 6: **Enter** desired message(s) to be displayed by clicking in the box(s) in front of the file number.

Note: *An example of this feature would be as shown in section 3.16*

4.16 Creating custom graphics

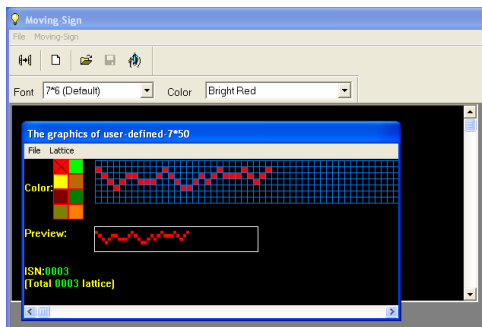
Custom graphics can be created and used anywhere within a message to create a graphic follow the steps listed below:

Step 1: Click on “graphic edit” button and the following screen should appear. Color will default to red.

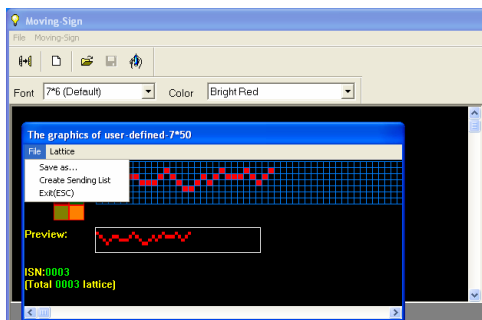


Step 2: Using mouse to **click** in desired squares to create custom graphic.

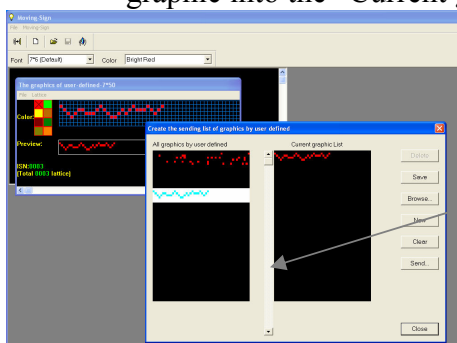
Note: **Left click** to populate square and **right click** to un-fill square



Step 3: Click on File button then **click** on “Create Sending List”



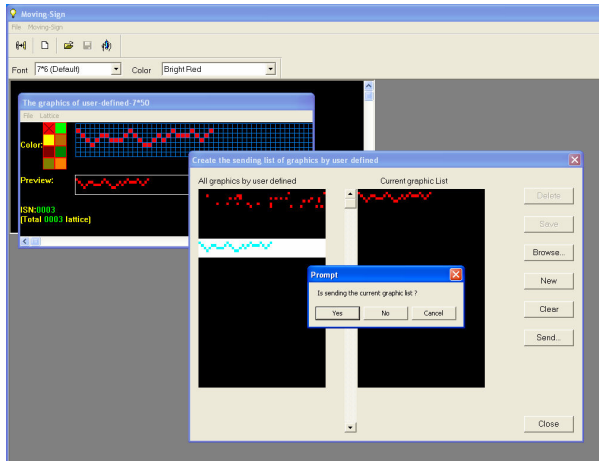
Step 4: Double click on desired graphic in the “All graphics user defined” section. This will add the graphic into the “Current graphic List” section



Double click on desired graphic in this section will add graph to Current graphic list

Step 5: Click “Save” button to save file as LST file.

Note: the maximum number of custom graphic that can be saved is 8 and are labeled as A-H



Step 6: Click close button

4.17 Deleting files

Files can be deleted by:

- 1) Click on “File” then highlight and click on “Clear” then click the “Yes” button.
- 2) In edit mode right click on “File number” then highlight and click on “Delete file”

5.1 Trouble shooting guide

No Display	<ul style="list-style-type: none"> • Check all power connections. • Check that convenience outlet has power. • Check if the auto on/off time setting is correct. • If power has been lost to the sign date & time will need to be reset.
No response using remote	<ul style="list-style-type: none"> • Check all power connections • Check that the batteries are good. If unsure replace both batteries. • Check that the batteries are installed correctly. • Make sure no obstructions between remote and sign. • Turn off near by appliances and fluorescents lights to determine if there is an interference issue. If so relocate sources of interference or sign. • Out of range by being too close (less than 5’)
No Display but responds to the remote control	<ul style="list-style-type: none"> • Check if the auto on/off time setting is correct. • Make sure data in the files is valid

5.2 Warranty

To register your warranty, go to: www.lightahome.com/warranty. Your prompt product registration confirms your rights to the protection available under the terms and conditions of the warranty.

5.3 USB Adaptor Instructions

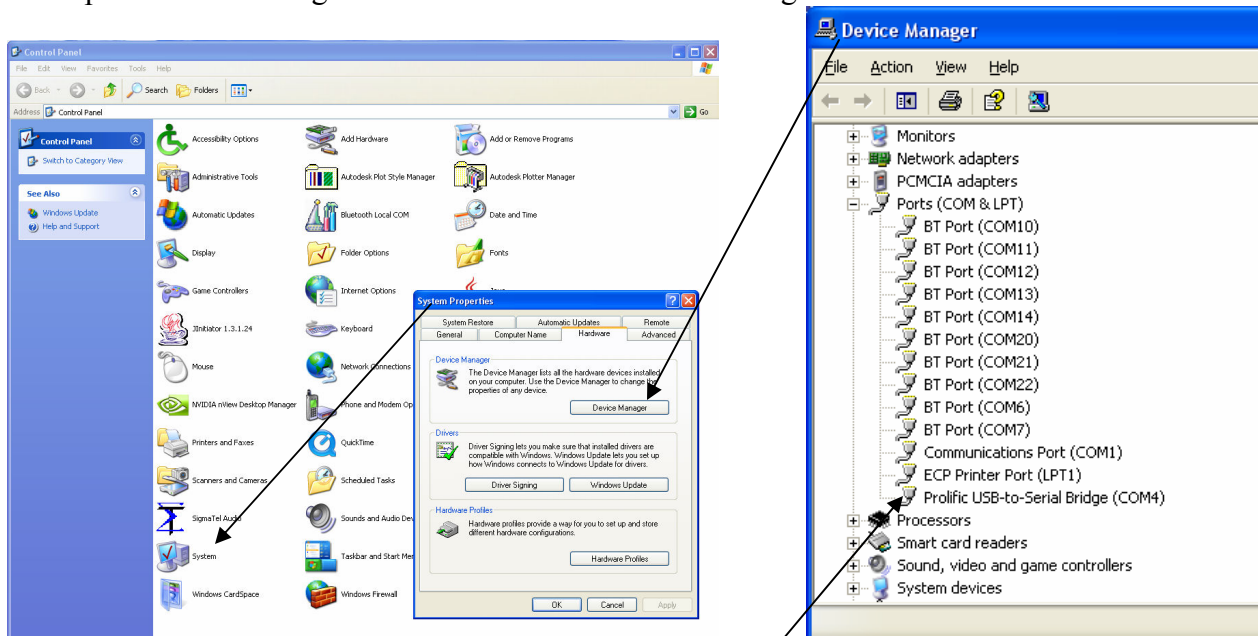
Step 1: Insert CD provided into computer.

Step 2: Insert USB adaptor into computer

Step3: Your computer should ask if you would like to search for software, select yes and have the computer search your CD ROM for the appropriate driver.

Step4: When installation is complete, connect USB adaptor to the RS232 cable and LED Sign.

Step5: Open your **device manager** through your **control panel**, and **system folder** to determine which port has been assigned to “Prolific USB-to-Serial Bridge”



Step 6: Program sign using standard instructions into software. When sending message, assign the COM port to what has been assigned to Prolific USB-to-Serial Bridge.

