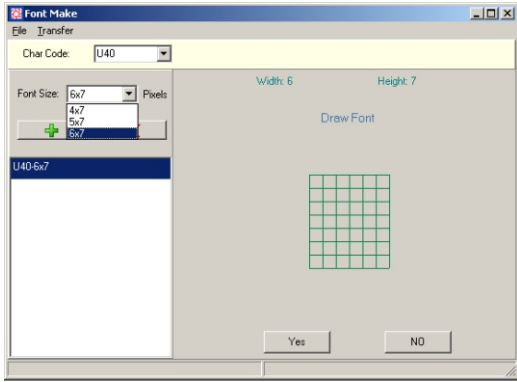


## European

Default European characters table for select.

€ U00	↑ U01	↓ U02	∟ U03	∟ U04	∟ U05	∟ U06	∟ U07	∟ U08	∟ U09
T U0A	— U0B	† U0C	J U0D	Γ U0E	■ U0F	■ U10	■ U11	■ U12	■ U13
α U14	β U15	Γ U16	Π U17	Σ U18	σ U19	μ U1A	τ U1B	ϙ U1C	ϙ U1D
Ω U1E	δ U1F	ω U20	λ U21	ϙ U22	£ U23	ϙ U24	¥ U25	→ U26	← U27
ı U28	© U29	ª U2A	¿ U2B	€ U2C	∩ U2D	⊗ U2E	⊗ U2F	š U30	± U31
² U32	³ U33	ž U34	ÿ U35	¶ U36	œ U37	š U38	ı U39	ó U3A	≤ U3B
¼ U3C	½ U3D	¾ U3E	¿ U3F	À U40	Á U41	Â U42	Ã U43	Ä U44	Å U45
Æ U46	Ç U47	È U48	É U49	Ê U4A	Ë U4B	Ì U4C	Í U4D	Î U4E	Ï U4F
Ð U50	Ñ U51	Ò U52	Ó U53	Ô U54	Õ U55	Ö U56	× U57	Ø U58	Ù U59
Û U5A	Ü U5B	Ý U5C	ÿ U5D	Þ U5E	ß U5F	à U60	á U61	â U62	ã U63
ä U64	å U65	æ U66	ç U67	è U68	é U69	ê U6A	ë U6B	ì U6C	í U6D
î U6E	ï U6F	ª U70	» U71	ô U72	õ U73	ö U74	÷ U75	ø U76	ù U77
þ U78	ÿ U79	ÿ U7A	ÿ U7B	ÿ U7C	ÿ U7D	ÿ U7E	ÿ U7F		

## USER FONT MAKE



Select the char code where the character you will change, and then select font size. Click  to add the item in the list box. Then select this item to draw the font. Repeat the process for the same character with different font size, example : U40-4x7,U40-5x7,U40-6x7.

Click **Transfer|Transfer to Sign** to update the user font of the sign.

Click **File | Save Font** on this window to save a file.

## RECALL DEFAULT FONT

Use for recall the above default European characters font to the Sign and software.

## THE MENU BAR

### Font

Select any one of font styles. European characters, or Greek symbols to be used in your message.

**Colors** Select any one of listed colors to use for your text.

### Bmp Graphics

Edit Graphic... : Edit and save your own graphic images, and then insert into the message window refer graphic edit section

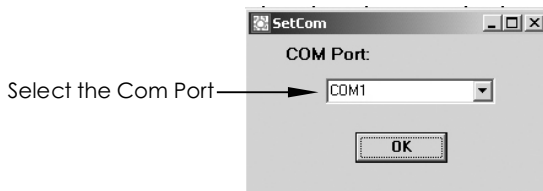
### Function

Send Message : Send the current text in the Message Window to the LED Display Board. Before transferring, you should Select ID of Display Board (ID which you may set by "Set ID..." function). Simultaneously, Set which page you transfer to. There are 26 pages in all.

- Run Page : Run a specified page on the LED Display Board.
- Link pages To Run : Link some pages in order to Run more than one Page. For example, type in 'abc', the sign will display page A, page B, page C content consecutively.
- Set ID : Set ID of the Led Display Board .  
 Note: ID00 represents global call. If you have more than one sign, you might want to connect all the signs in a network, e.g. from ID01 to ID05 you can send message to any sign in the network by individual ID. To broadcast to all the signs, use ID 00.
- Set Clock : Set the Date and Time the Display Board system Clock.
- Delete Page : Delete a specified page information on the sign.
- Set Brightness : Set Display brightness, there are 4 levels of brightness.
- Display by Schedule : Schedule a message to be displayed. you may make some pages display from sometime to another time. max can set up to 5 Schedule items one time.
- Delete page :Delete some pages in the running messages.
- Delete Schedule :Delete some items in Schedule table.
- Delete All :Delete all messages in the LED Display Board. (Except system clock)

## **CONFIGURE SOFTWARE**

1. Go to File and Set Communication

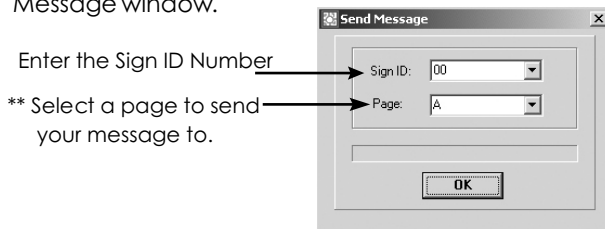


2. Click on OK when your settings are complete.

## **SENDING A MESSAGE**

The Send Message icon is used to transmit the message to the sign.

1. In the Message Window, type in a test message such as 'Welcome to my message'.
2. Click on the icon on the Toolbar to bring up the Message window.

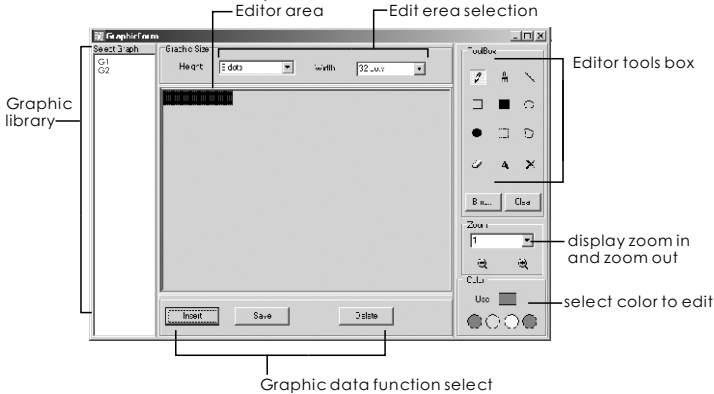


\*\* You have pages A-Z available. Each page can be used to store a different message.

3. Click on OK to send your message to the sign. If your sign did not receive your message, try sending the message again.

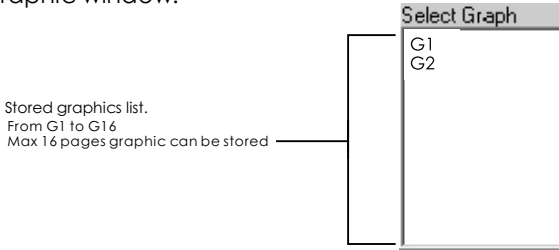
## **BMP GRAPHIC EDITOR**

Use the Graphic Editor to edit or create graphics of your own. To open the Edit Graphic window, click on bmp Graphics on the menu bar, then click on Edit Graphics



### Select Graphic window

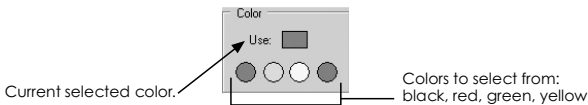
Click on any one of the graphics from the Select Graphic list to view the graphic in the Graphic window.



## **BMP GRAPHIC EDITOR**

### Color window

Select any one of four colors to edit an existing graphic or to create a graphic.



### Edit graphic buttons

Functions of buttons are described below.



**SAVE** the current graphic displayed in the "Graphic" window. Graphic will be saved in the "Library".

**DELETE** a graphic from the "Library".

**INSERT** the current graphic in the "Graphic" window into your message.

## Edit function

Editor tools box



**Pen tool:** Click this tool, and move the mouse to Editor Area. Press and hold down the left button of your mouse, and move your mouse to free hand draw.



**Brush tool:** Click this tool, and move the mouse to Editor Area. Press and hold down the left button of your mouse and move your mouse to get brushing function.



**Line tool:** Click this tool. Move your cursor to select the starting point of the line. Then hold down the left button of your mouse, moving your mouse to the end point of the line. Then release mouse button.



**Outline rectangle tool:** Click this tool. To select the starting point by moving your cursor and hold down the left button of your mouse. Then move at the end and release mouse button.



**Rectangle tool:** Same operation step as outline rectangle tool.



**Outline ellipse tool:** Same operation step as outline rectangle tool.



**Ellipse tool:** Same operation step as outline rectangle tool.



**Pointer tool:** Click this tool. Select the edit area by press and hold down the left button of your mouse. Then the select area be round by release your mouse button. Moving the round area by hold down the left button of your mouse until the position you want. Then release the mouse button. Right click to fix the position.



**Polygon pointer tool:** Same operation step as pointer tool.



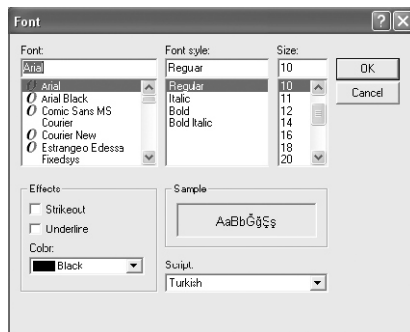
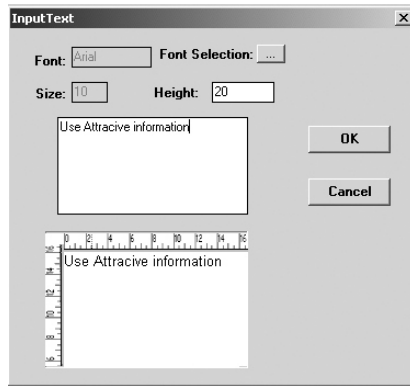
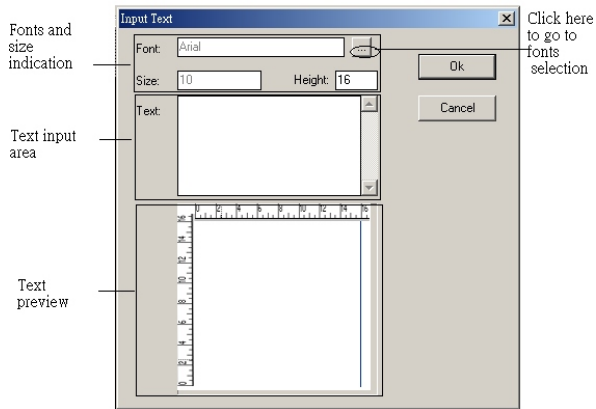
**Erase tool:** Click this tool. Just press and hold down the left button of your mouse and move your mouse to erase the area you want.



**Clear tool:** Click this tool and select the color. Then moving cursor to edit area left click your mouse. That the whole edit area will turn to that color. If you select black color, the whole edit area will be covered by black in color. Same as clear function.



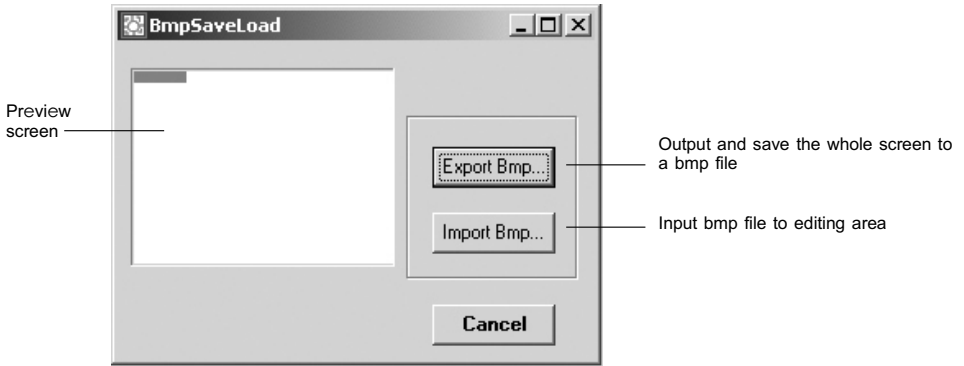
**Text tool:** Click this tool. Move cursor to the starting point you want to put the text. Left click your mouse and text input will bring up. That you can type in your words or use windows cut and Paste function to input text. Then select the fonts and fonts size. Click OK Button to finish the text input. Then move the object to the position you want and right click your mouse to fix it.



After clicking the Ok button in dialog box, move the rectangle area to proper position and right click the mouse to fix the information position.

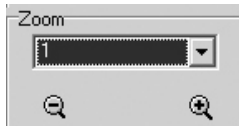
**Clear** **Clear function key:** Left click this button to clear the whole edit area.

**Bmp File** **Bmp file function key:** Left click this button That can easily export the editing content to Bmp file, or import Bmp file edited by other program.



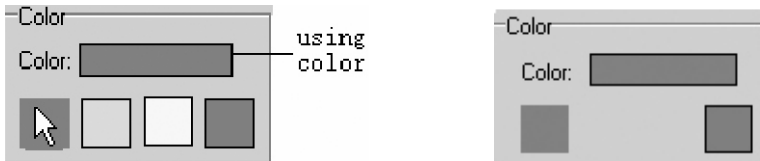
**Display zoom in, zoom out function**

The zoom size can be selected from 1 to 8. 1 is the smallest. You can zoom in or zoom out to affect you edit job as



**Color selection function**

Just easily to left click the color button to select the color you want. If you edit a triple color frame, then you have four color boxes to select as. If you edit a single color frame, then you can select either red or black color box as

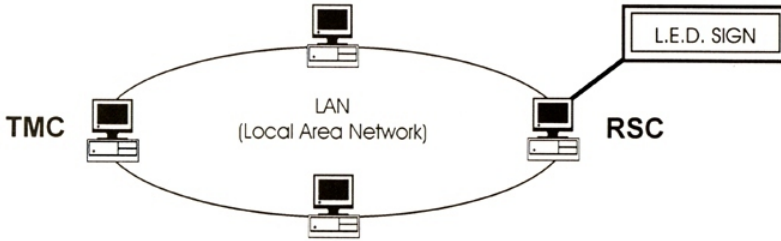


**LAN COMMUNICATION**



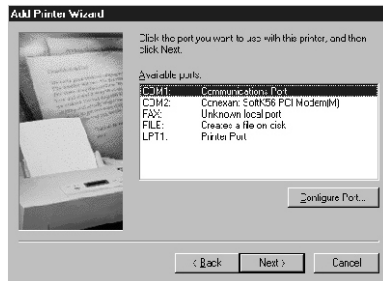
**How it works**

The display is first connected to the Serial Communication Port of a computer in the LAN environment which we refer to as the **R**eceiving **S**lave **C**omputer (**RSC**) The computer that will actually be transmitting messages to the display is referred to as the **T**ransmitting **M**aster **C**omputer (**TMC**)The **TMC** will have the display control software installed. It is not necessary to install the software on the **RSC**. The next step is to set-up a Generic/ Text Only printer driver on the **RSC** and share it with the **TMC**. Once the set-up is done and a message created, a simple click on the button for "Send via Network" will bring up the "PRINT" dialog window. You then select the Generic/Text Only printer created and click on "OK" and your message is on its way.



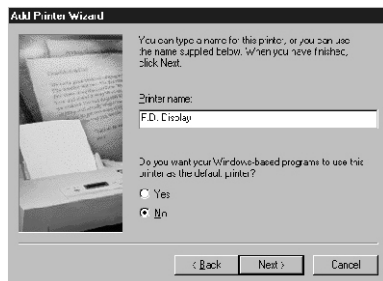
### RSC Printer Driver Set-Up

1. Begin by clicking on " **Start** ", " **Settings** ", and " **Printer** ". The " **Printers** " dialog window will appear.
2. Double-click on the " **Add Printer** " icon. The " **Add Printer Wizard** " window will appear.
3. Click on " **Next** ". Select " **Local printer** " and click on " **Next** " again.
4. Under " **Manufacturers** ", search for " **Generic** ". Select " **Generic** " ON " **Next** ". If prompted: " **A driver is already installed for this printer** ", then select to " **Keep existing driver** " and click on " **Next** ".
5. Select the Communications Port on the **RSC** the display will be connected to and click on " **Next** ". For Example: If the display is connected to COM1, select " **COM** ".

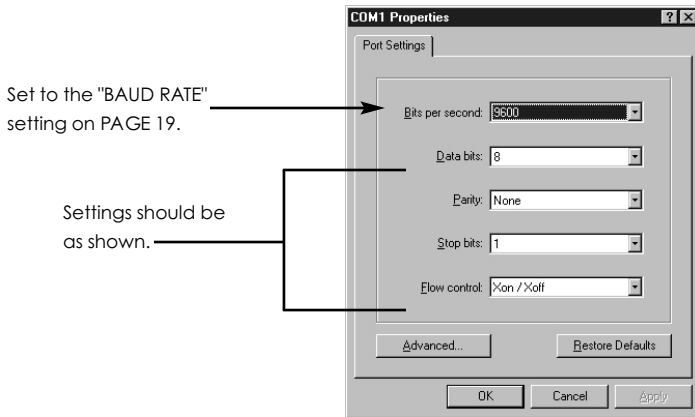


## LAN COMMUNICATION

6. Under " **Printer name** ", type in the name you want for the Display Printer Driver. This name must be 12 characters in length. In the example below we used the initials " **F.D.** " to represent " **Front Desk** ". Select " **No** " to select the printer as the default printer and click on " **Next** ".



7. Click on "**Finish**" to complete the set-up. If prompted for the Windows 95 CD or disk, insert CD or disk into the proper drive and click "**OK**".
8. Now select the printer you created. Go to "**File**" and click on "**Properties**".
9. Click on the "**Details**" tab then click on "**Port Settings**".
10. Make sure the settings below are set accordingly. Click on "OK" when done.



11. Click on the "**Sharing**" tab and click on "**Shared As**". In the "Share Name" box, type in the 12 character "**Printer name**" you used in step 6. If you want to "password protect" the use of the Display Printer Driver, type in a password in the "**Password**" box. Only the user with the password can access the "**Printer Driver**" to send a message to the display.
12. **RSC Printer Driver set -up complete**

## LAN COMMUNICATION

### TMC Printer Driver Set-Up

1. Click on "**Start**", "**Settings**", and "**Printer**". The "**Printers**" dialog window will appear.
2. Double-click on the "**Add Printer**" icon. The "**Add Printer Wizard**" window will appear.
3. Click on "**Next**". Select "**Network printer**" and click on "**Next**" again.
4. Select "**No**" to print from "**MS-DOS-based programs**". Click on "**Browse**".
5. Double-click on the name of the **RSC** on the network and select the Display Printer Driver created.

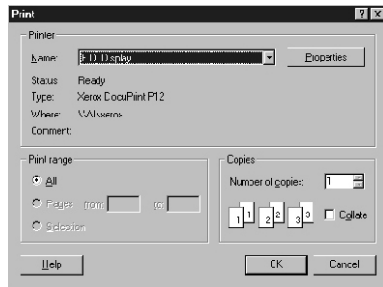




6. Click on "OK". Now click on "Next".
7. Under "Printer name", type in the 12 character "Printer name" used in Step 6 of the RSC Printer driver set-up.
8. Select "No" to select the printer as the default printer and click on "Next".
9. Click on "Finish" to complete the set-up. If prompted for the Windows 95 CD or disk, insert CD or disk into the proper drive and click "OK".
10. **TMC Printer Driver set-up complete**

### SENDING A MESSAGE through the LAN

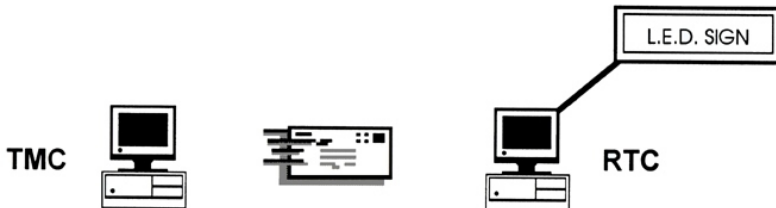
1. Start the TruColorII Software program. Create your message.
2. Click on "Send" for "Send via Network". Input the "Sign ID Number" and "Page Number", Now click on "OK".
3. Select the Display Printer Driver from the Printer Name box and click on "OK". Message sent successfully!



## INTERNET E-MAIL COMMUNICATION

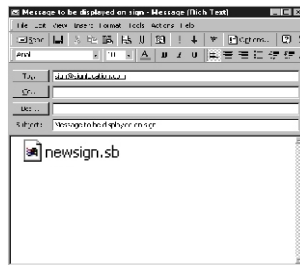
### How it works

The display is first connected to the serial Communication Port of the computer at the remote location which we refer to as the **R**eceive **T**ransmit **C**omputer (**RTC**). The computer that will be transmitting the e-mail is referred to as the **T**ransmitting **M**aster **C**omputer (**TMC**). Both the **TMC** and **RTC** will have the display control software installed. The user at the **TMC** will create a message using the provided software and save it. Once the message is saved, the user can start the software program used to send e-mail (such as Microsoft Exchange, outlook, Eudora Pro, Netscape Mail etc) and attach the saved message file to the e-mail message and send it. The recipient at the **RTC** is then notified that new mail has arrived. The user can then open at attachment and send the message to the sign.



- Begin by installing the software program on the **TMC** and **RTC**.
- Configure the sign and software on the RTC.
- **TMC** instructions
  1. Start the software program on the TMC and create a message, Now save it and exit the program.

2. Start the software program used to send e-mail and select to send a new message.
3. Type in the "TO" address.
4. Now click on the icon that will allow you to attach a file. Select the file you want to be displayed in the sign.
5. your e-mail message should look similar to the following:



6. Now send the e-mail message.

- **RTC instructions**
  1. The recipient at the **RTC** should automatically be notified when new mail has arrived.
  2. The recipient should open the message and see that the attached file is for the sign.
  3. The recipient can now double-click on the attached file and the program will start.
  4. Now just click on the icon on the toolbar to send the message to the sign. Your message is now being displayed.

## ❗ **QUICK REFERENCE SECTION**

### Color Code Table

To select a COLOR, press **COLOR** once,

Letter	Foreground Color	Background Color
A	RED	BLACK
B	GREEN	BLACK
C	YELLOW	BLACK
D	BLACK	RED
E	BLACK	GREEN
F	BLACK	YELLOW
G	RED	GREEN
H	GREEN	RED
I	R/Y/G	BLACK
J	RANDOM	BLACK

## ❗ **QUICK REFERENCE SECTION**

### Font size table

To select a FONT SIZE, press **FONT** to toggle between the fonts listed below.

Letter	Character Font Size
A	NORMAL
B	BOLD
C	ITALIC
D	Narrow
E	High
F	Big

### European Character Table

To display a EUROPEAN CHARACTER, press the Corresponding Letter, then press the **EUROP-CHAR** key until the European letter of your choice is reached. Once you see the European letter you wish to use, press any other letter to continue to type your message.

Letter in Upper "PPER CASE"	Foreground Color
A	Ă Â Á À Ä Å Æ
B	ß
C	Ç
D	Ð
E	É Ê Ë Ì
I	Í Î Ï
N	Ñ
O	Ó Ô Õ Ö Ø
P	þ
U	Ú Û Ü
Y	Ý ÿ

Letter in Lower "OWER CASE"	Foreground Color
a	ă â á à ä å æ
c	ç
e	é ê ë ì
i	í î ï
n	ñ
o	ó ô õ ö ø
p	þ
u	ú û ü
y	ÿ ÿ

### ! QUICK REFERENCE SECTION

#### Special effects table

After you complete message editing, you can select the leading and closing effect by and key and confirm by enter key.

Letter	Type	Effet	Description
A	L, T	Immediate	Image will be immediately appeared

B	L, T	Xopen	Image will be shown from center and extend to 4 side
C	L, T	Curtain UP	Image will be shown one line by one line from bottom to top
D	L, T	Curtain Down	Image will be shown one line by one line from Top to Bottom
E	L, T	Scroll Left	Image will be scrolled from Right to Left
F	L, T	Scroll Right	Image will be scrolled from Right to Left
G	L, T	Vopen	Image will be shown from center to top and Bottom one line by one line
H	L, T	Vclose	Image will be shown from Top and Bottom to Center one line by one line
I	L, T	Scroll Up	Image will be scroll from Bottom to Top
J	L, T	Scroll Down	Image will be scrolled from Bottom to Top
K	L, T	Hold	Previous Screen will be kept
L	L	Snow	Pixels will be dropped down from top and stack up to build the image
M	L	Twinkle	a blank diagonal line will be scrolling on the image
N	L	Block Move	8 pixel width display block will be moved from right to left one by one
P	L	Random	Random Pixel will be appeared to build the image
Q	L	Pen writing	Hello World
R	L	Pen writing	Welcome

L = Leading commands - how the text will appear.

T = Closing commands - how the text will disappear.

## Display effect

- A Normal
- B Blinking
- C Play song 1
- D Play song 2
- E Play song 3

## Moving speed

- A Fast
- B Medium 1
- C Medium 2
- D Slow

## Bell duration

- A Short
- B Medium 1
- C Medium 2
- D Long

## Display time

0.5sec - 25 sec

## Date display format

DD/MM/YY

## Time display format

hh/mm

## **? HELP SECTION – IR (Infrared Remote Keyboard) Most Commonly Asked Questions**

### **Can I run multiple pages when the SCHEDULE DISPLAY.**

Yes, you can refer "page 8-adding schedule setting.

### **HOW CAN I CONTROL MORE THAN ONE SIGN FROM A CENTRAL LOCATION?**

Set the different ID address. software will allow you to control up to 255 signs by setting.

### **How do I remove the demo message on the sign?**

The demo message is permanently programmed onto the sign and is designed to run automatically when there are no messages programmed by the user. When you program a message onto a page, the demo message will no longer show.

### **How much text can I program onto each PAGE?**

You can program up to 250 characters per page. there 26 pages text message and 16 pages graphic can be programmed.

### **Will I lose my messages if I remove the power to the sign?**

No, there is a built-in battery in the sign.

### **After I unplug my sign, I lose the current TIME and DATE setting. Why?**

The battery on the cpu board is gone. you should replace with same battery. The battery normally can keep 2 years.

### **How do I display lower-case letters?**

Please refer to page 5 **SHIFT** key function.

### **I plugged the sign in but nothing comes ON?**

Unplug the power to the sign and plug it in again.

Make sure the power adaptor plug is plugged into the sign and AC connect firmly. Try using another wall outlet. Refer page 8 resetting system using the

**FUNC** key.

## **? HELP SECTION – SOFTWARE Most Commonly Asked Questions**

### **How do I turn my sign OFF and ON automatically everyday.**

Please refer page 15 under the function control display by schedule.

### **Trouble Shooting**

My sign does not show after setting schedule display.

Clear the schedule display and reset the system.

Refer page 15 restting system using the **DELECT** all.

## **② HELP SECTION - SOFTWARE**

### **Troubleshooting**

#### **The software is not communicating with the sign?**

Use the checklist below to verify your settings.

- I have found the ID setting of the sign and entered them into the software. **Page 15.**
- I am using the cable supplied by. **Page 13.**

**NOTE:** The cable may not be extended with any other cable. The cable must be one complete cable from the 9-Pin connector to the sign.

#### **"OPEN COM ERROR" .**

If the error message is "OPEN COM ERROR", this means the Com Port you have selected is not available for your use or is being used by an internal device in your computer. A computer normally has 4 COM PORTS. Two external ports which are available to connect external devices to the computer and two Internal ports which are available, in most cases, for computer use only. Please check the back of your computer to see if it is labeled COM1 or COM2. If not, please refer to your computer user's manual or contact the computer manufacturer for more information.

#### **My laptop does not have any Com Ports and only has support for USB devices.**

Some newer laptops do not have Com Ports and only support USB devices (please reference your Laptop User's Manual to verify this). For this situation you will need to purchase a **USB Serial Adapter** directly from or from your local computer store. This device will convert one of your Available USB ports to a working Com Port **does not guarantee that this device will work with all laptops due to other devices installed by user and varying manufacturers equipment.** Please contact the manufacturers support center directly for questions regarding installation operation.