

Owner's Manual

FX 214 & 313 Series



Advanced Electronic Signs

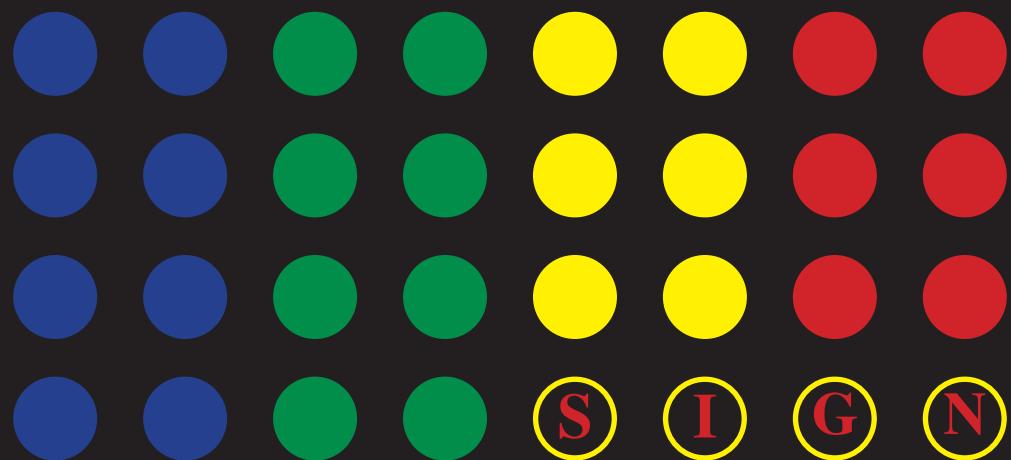




 Table of Contents

>

Warranty	4
Return Merchandise Authorization.....	5
Remote Control Diagram.....	6
Menu List	7
List of LED Board Effects	8
Add Message(s)	9
Add Character Set(s) to Message(s)	10
Modify Message(s)	11
Insert Message(s)	11
Delete Message(s).....	11
Password	11
User Set.....	12

Note: Due to continuing product innovation, specifications in this document are subject to change without notice.

Rev. June 2007

Warranty

Warranty

Sunny Neon Inc. warrants the original purchaser that the SunRise LED display and remote will be free of defects in workmanship and materials for a period of one year from the date of purchase.

Sunny Neon Inc. will without charge, repair or replace, at its option, defective product or component parts upon delivery to our service department accompanied by proof of the date of purchase in the form of a sales receipt.

The warranty does not apply in the event of any misuse or abuse of the product, or as a result of any unauthorized repairs or alterations. This warranty does not apply if the serial number is altered, defaced or removed from the sign.

The purchase price of this product does not include, from Sunny Neon Inc., any on-site support, service or maintenance.

Local ordinances prohibiting the use of flashing signs may exist in some locations. Compliance with local ordinances is the sole responsibility of the customer.

To obtain warranty coverage, this product must be registered. Please complete the enclosed warranty registration card and mail it to Sunny Neon Inc. 598 Patterson Blvd. Pleasant Hill, CA 94523.

How to obtain warranty service

1. Contact the distributor from whom the sign was purchased. If you do not know where the product was purchased, contact Sunny Neon Inc. (800) 660-4414.
2. If the distributor cannot service the product, obtain a Return Merchandise Authorization (RMA) number through that company. An RMA number is required to obtain warranty service.
3. Fill out the Return Merchandise Authorization (RMA) Form on the following page. To obtain warranty service, this form including the RMA number must accompany the product.
4. Follow return instructions on the RMA form to return to Sunny Neon Inc.

 Return Merchandise Authorization (RMA) Form

>

RMA Number: _____

Serial Number: _____

Date of Purchase: _____

Company Name: _____

Contact Person: _____

Address: _____

Phone Number: _____

Description of Problem: _____

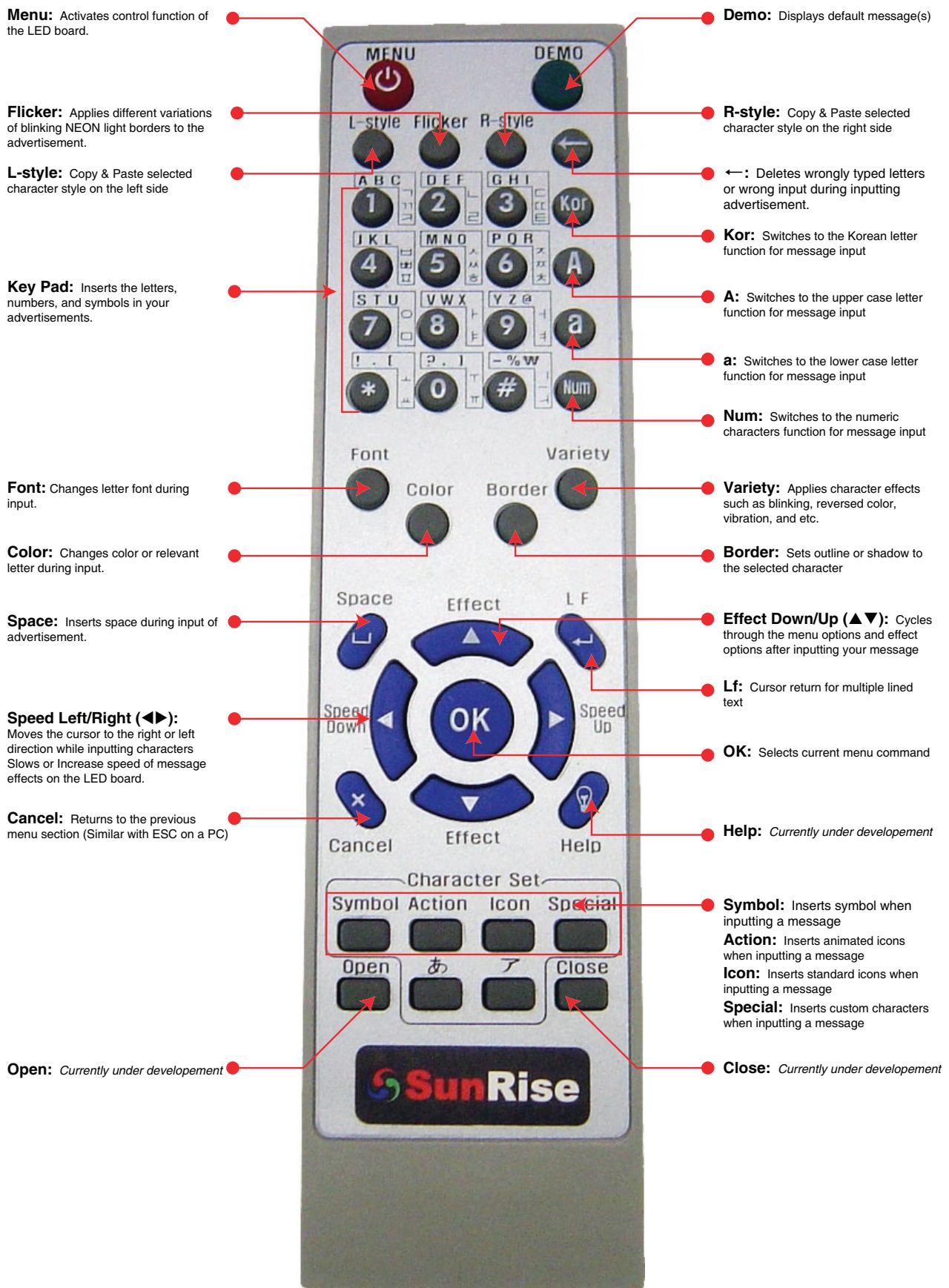
Return Instructions

- Step 1: Obtain an RMA number from your distributor
- Step 2: Fill out this form and include proof of purchase receipt if product is under warranty.
- Step 3: Pack this form, the sign, remote control and transformer in the original carton (or a suitable replacement). Please write the RMA number on the outside of the package. Any damage to the product during shipment is the responsibility of the freight company or the owner of the sign.
- Step 4. Ship the package, postage prepaid to:
Sunny Neon Inc.
598 Patterson Blvd.
Pleasant Hill, CA 94523

PLEASE BE SURE TO WRITE THE RMA NUMBER ON THE LABEL OF THE SHIPPING BOX.

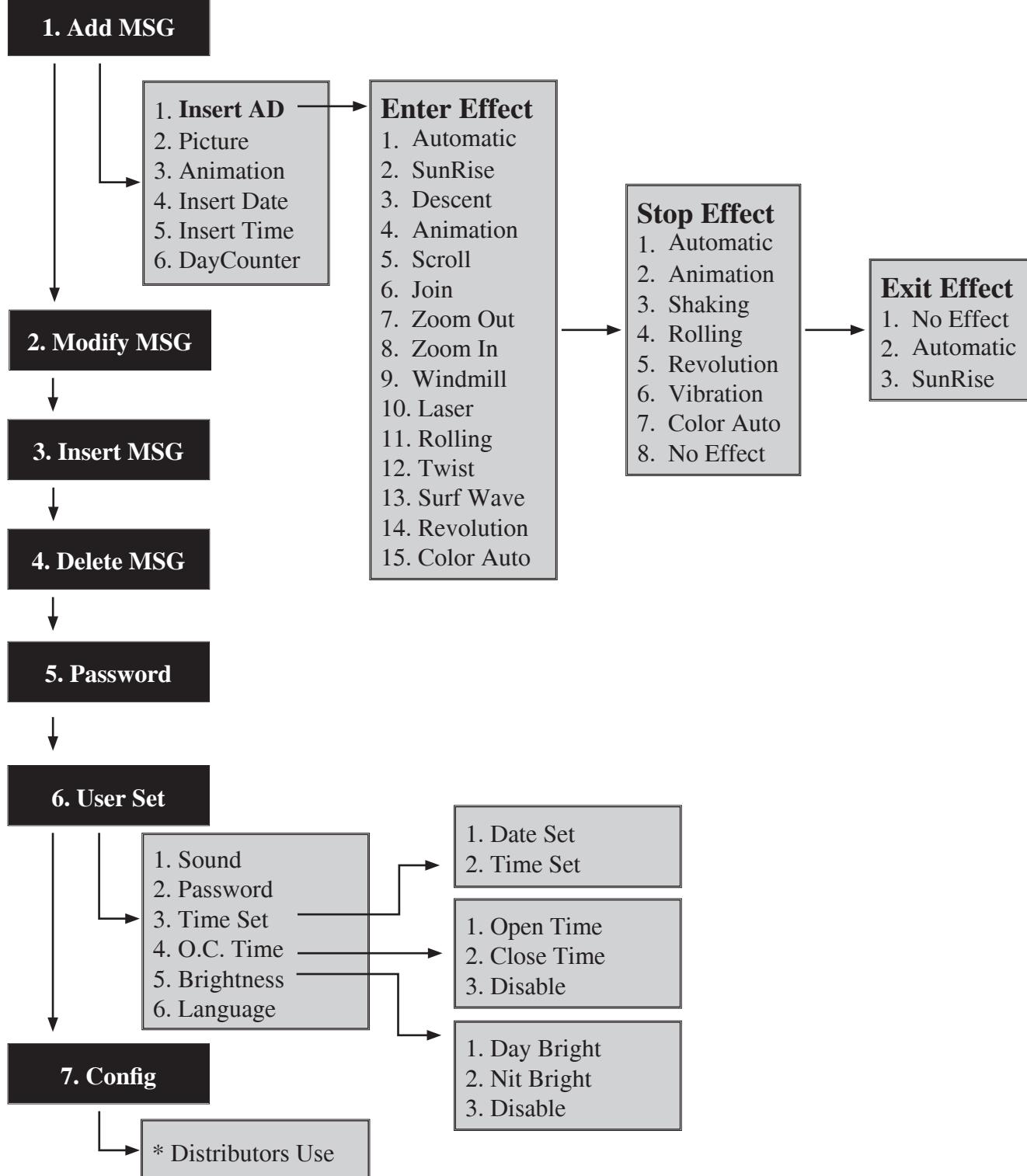
THANK YOU.

Remote Description





Menu List

**Disclosure:**

This menu list is subjected to change for different model types.

List of LED Board Effects

Start Effect

1.) Automatic	The message will appear onto the display with different effects chosen by the computer
2.) SunRise	The message will appear onto the display with pre-built FX
3.) Descent	The message will animate onto the display
4.) Animation	The message will animate onto the display
5.) Scroll	The message will scroll from one side of the display
6.) Join	The message will come together half on the left and the other half on the right of the display
7.) Zoom Out	The message will appear from small to large onto the display
8.) Zoom In	The message will appear from large to small onto the display
9.) Windmill	The message will spin onto the display
10.) Laser	The message will stretch from one side of the display
11.) Rolling	The message will roll onto the display
12.) Twist	The message will twist onto the display
13.) Surf Wave	The message will appear from the left/right side of the display on a wave
14.) Revolution	The message will rotate onto the display
15.) Color Auto	The message fonts will change color automatically

Wait Effect

1.) Automatic	The message will appear onto the display with different effects chosen by the computer
2.) Animation	The message will animate onto the display
3.) Shaking	The message will shake back and forth on the display
4.) Rolling	The message will roll onto the display
5.) Revolution	The message will rotate onto the display
6.) Vibration	The message will reduce in size off the display as it goes to the next message
7.) Color Auto	The message fonts will change color automatically
8.) No Effect	There will be now effect applied to the message

End Effect

1.) No Effect	There will be now effect applied to the message
2.) Automatic	The message will leave the display with different effects chosen by the computer
3.) SunRise	The message will animate off the display with pre-built FX

Add Message(s)

The “1. Add Msg” operation is used to create a new message on your LED display sign. You can input a variety of messages from letters, animation, time, date, and apply effects.



1.) Insert AD:

Menu → (1. Add MSG) → OK → (1. Insert AD) → OK → {Type your message} → OK
 → {Using the effect buttons choose “Start Effect”, 1-15} → OK → {Using the speed buttons, choose a start speed} → OK → {Using the effect buttons choose “Wait Effect”, 1-8} → Enter
 → (Sustain #) → OK → {Using the effect buttons choose time} → OK → {Using the effect buttons choose “End Effect”, 1-3} → OK → (Saved) → (1. Add MSG) → Menu



Change Font / Font Color / Background Color:

After typing your text make sure the cursor is blinking at the beginning of desired text.

- Press ^{Font} button to change the “Font”
- Press ^{Color} button to change the “Font Color”
- Press ^{Border} button to set the “Font Shadow / Outline”

SunRiseDisplay.com

2.) Picture:

Menu → (1. Add MSG) → OK → (2. Picture) → OK → {Select a picture by using effects buttons} → OK → {Using the speed buttons, choose a start speed} → OK → (Sustain#) → OK → (Saved) → (1. Add MSG) → Menu

3.) Animation:

Menu → (1. Add MSG) → OK → (3. Animation) → OK → {Using the effect buttons choose “Animation”} → OK → {Using the speed buttons, choose a speed} → OK → (Sustain #) → OK → (Saved) → (1. Add MSG) → Menu

4.) Insert Date:

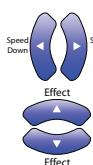
Menu → (1. Add MSG) → OK → (4. InsertDate) → OK → {Using the effect buttons choose “Start Effect”, 1-15} → OK → (Saved) → (1. Add MSG) → Menu



- Executes current option



- Enters / Exits LED control options



- Moves cursor left/right & decrease/increase effect speed

- Scrolls through menu & effect options



Add Message(s)

continued

5.) Insert Time:

Menu → (1. Add MSG) → OK → (5. InsertTime) → OK → {Using the effect buttons choose “Start Effect”, 1-15} → OK → (Saved) → (1. Add MSG) → Menu

6.) Day Counter:

Menu → (1. Add MSG) → OK → (6. DayCounter) → OK → {Use the effects & speed buttons to input date info} → OK → {Preview will show on the display} → OK → {Using the effect buttons choose “Start Effect”, 1-15} → OK → {Using the speed buttons, choose a start speed} → OK → {Using the effect buttons choose “Wait Effect”, 1-8} → OK → (Sustain #) → OK → {Using the effect buttons choose time} → OK → {Using the effect buttons choose “End Effect”, 1-3} → OK → (Saved) → (1. Add MSG) → Menu

Add Character Set(s) to Message(s)

The “Character Set” commands are used to insert pre-design characters into your messages.


Tip!
Change Font / Font Color / Background Color:

After typing your text make sure the cursor is blinking behind desired text.

- Press **Symbol** < > button to insert symbols
- Press **Action** < > button to insert animated icons
- Press **Icon** < > button to insert standard icons
- Press **Special** < > button to insert custom characters

1.) Insert AD:

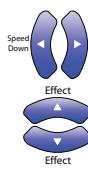
Menu → (1. Add MSG) → OK → (1. Insert AD) → OK → {Type your message. Then press one of the buttons above. Select desired image/symbol. Then press OK} → OK → {Using the effect buttons choose “Start Effect”, 1-15} → OK → {Using the speed buttons, choose a start speed} → OK → {Using the effect buttons choose “Wait Effect”, 1-8} → Enter → (Sustain #) → OK → {Using the effect buttons choose time} → OK → {Using the effect buttons choose “End Effect”, 1-3} → OK → (Saved) → (1. Add MSG) → Menu



- Executes current option



- Enters / Exits LED control options



- Moves cursor left/right & decrease/increase effect speed

- Scrolls through menu & effect options

Modify Message(s)

The “2. Modify Msg” operation is used to edit an existing message on your LED display sign. You can change the entire look and feel of that particular message.

Menu → (2. Modify MSG) → OK → {Use the effect buttons to choose an existing message “#. Text”} → OK → {Edit your message} → OK → {Using the effect buttons choose “Start Effect”, 1-15} → OK → {Using the speed buttons, choose a start speed} → OK → {Using the effect buttons choose “Wait Effect”, 1-8} → OK → (Sustain #) → OK → {Using the effect buttons choose time} → OK → {Using the effect buttons choose “End Effect”, 1-3} → OK → (Saved) → (2. Modify MSG) → Menu

Insert Message(s)

The “3. Insert Msg” operation is used to add a new message on your LED display sign before an existing one.

Menu → (3. Insert MSG) → OK → {Use the effect buttons to choose an existing message “#. Text” to insert before it} → OK → {Type your message} → OK → {Using the effect buttons choose “Start Effect”, 1-15} → OK → {Using the speed buttons, choose a start speed} → OK → {Using the effect buttons choose “Wait Effect”, 1-8} → OK → (Sustain #) → OK → {Using the effect buttons choose time} → OK → {Using the effect buttons choose “End Effect”, 1-3} → OK → (Saved) → (3. Insert MSG) → Menu

Delete Message(s)

The “4. Delete Msg” operation is used to remove a message on you LED display sign.

Menu → (4. Delete MSG) → OK → {Use the effect buttons to choose an existing message “#. Text”} → OK → (Delete OK) → OK → (Deleted) → (4. Delete MSG) → Menu

Password

The “5. Password” operation is used to set a secure password on your LED display sign. Which will prohibit any unauthorized use of the sign.

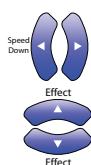
Menu → (5. Password) → OK → {Input your desired “Password”} → OK → {Confirm “Password” again by re-typing it} → OK → (Saved) → (5. Password) → Menu



- Executes current option



- Enters / Exits LED control options



- Moves cursor left/right & decrease/increase effect speed

- Scrolls through menu & effect options

User Set

The “6. User Set” operation is used to set the various options for your LED display sign.

“O” - Activate Option

“X” - Deactivate Option

“Disable/Enable” - Activates & Deactivates “O.C. Time” & “Brightness” Option

1.) Sound: This operation is used to activate/deactivate sound on your LED display sign

Menu → (6. User Set) → OK → (1. Sound) → OK → {Use the speed buttons to activate/deactivate the “Sound” option on your LED display} → OK → (1. Sound) → Cancel → (6. User Set) → Menu

2.) Password: This operation is used to set password on your LED display sign

Menu → (6. User Set) → OK → (2. Password) → OK → {Use the speed buttons to activate/deactivate the “Password” option on your LED display} → OK → (2. Password) → Cancel → (6. User Set) → Menu

3.) Time Set: This operation is used to set the internal clock and date system on your LED display sign

1.) Date Set:

Menu → (6. User Set) → OK → (3. Time Set) → OK → (1. Date Set) → OK → {Use the effect & speed buttons to set current date} → OK → (1. Date Set) → Cancel → (3. Time Set) → Cancel → (6. User Set) → Menu

2.) Time Set:

Menu → (6. User Set) → OK → (3. Time Set) → OK → (2. Time Set) → OK → {Use the effect & speed buttons to set current time} → OK → (Saved) → (2. Time Set) → Cancel → (3. Time Set) → Cancel → (6. User Set) → Menu

4.) O.C. Time: This operation is used to set the automatic “ON” & “OFF” on your LED display sign

1.) Open Time:

Menu → (6. User Set) → OK → (4. O.C. Time) → OK → (1. Open Time) → OK → {Use the effect & speed buttons to select desired “ON” time} → OK → (Saved) → (1. Open Time) → Cancel → (4. O.C. Time) → Cancel → (6. User Set) → Menu

2.) Close Time:

Menu → (6. User Set) → OK → (4. O.C. Time) → OK → (2. Close Time) → OK → {Use the effect & speed buttons to select desired “OFF” time} → OK → (Saved) → (2. Close Time) → Cancel → (4. O.C. Time) → Cancel → (6. User Set) → Menu

3.) Disable:

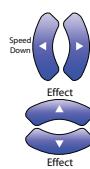
Menu → (6. User Set) → OK → (4. O.C. Time) → OK → (3. Disable) → OK → {Enables / Disables “O.C. Time” option} → OK → (3. Disable) → Cancel → (4. O.C. Time) → Cancel → (6. User Set) → Menu



- Executes current option



- Enters / Exits LED control options



- Moves cursor left/right & decrease/increase effect speed

- Scrolls through menu & effect options





User Set

continued



5.) Brightness: This operation is used to set the brightness level on your LED display sign

1.) Day Bright:

Menu → (6. User Set) → OK → (5. Brightness) → OK → (1. Day Bright) → OK → {Use the effect buttons to select desired desired brightness value for the “Day” time} → OK → {Use the effect & speed buttons to select desired time “DayTime: ##:##AM”} → OK → (Saved) → (1. Day Bright) → Cancel → (5. Brightness) → Cancel → (6. User Set) → Menu

2.) Nit Bright:

Menu → (6. User Set) → OK → (5. Brightness) → OK → (2. Nit Bright) → OK → {Use the effect buttons to select desired desired brightness value for the “Night” time} → OK → {Use the effect & speed buttons to select desired time “NitTime: ##:##AM”} → OK → (Saved) → (2. Nit Bright) → Cancel → (5. Brightness) → Cancel → (6. User Set) → Menu

3.) Disable:

Menu → (6. User Set) → Enter → (5. Brightness) → Enter → (3. Disable) → Enter → {Enables / Disables “Brightness” option} → Enter → (3. Disable) → Cancel → (5. Brightness) → Cancel → (6. User Set) → Menu

6.) Language: This operation is used to set the language on your LED display sign

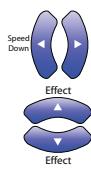
Menu → (6. User Set) → Enter → (6. Language) → Enter → {Use the effect buttons to select either “English” or “Korean” language for your LED display} → Enter → (6. Language) → Cancel → (6. User Set) → Menu



- Executes current option



- Enters / Exits LED control options



- Moves cursor left/right & decrease/increase effect speed

- Scrolls through menu & effect options



598 Patterson Blvd. Pleasant Hill, CA 94523
Tel: 1-800-660-4414 Fax: 925-939-9998
info@sunrisedisplay.com