

SMART HOLIDAY LED LIGHTS

USER MANUAL

MODELS SF-1 AND FL-252



SMART. COLORFUL. MADE TO CELEBRATE.

Programmable full-color lighting for holidays, celebrations, and everyday spaces.

Redgblue Lights LLC | redgblue.com | service@redgblue.com

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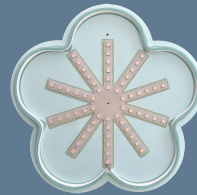
02 PRODUCT OVERVIEW AND WAYS TO USE



SF-1
Snowflake



FL-252
Pink



FL-252
Green



FL-252
Orange

THREE WAYS TO USE THE LIGHT

- Standalone, no music: the saved effect loops automatically; no phone is required.
- Standalone with music: the phone plays a selected local music file while the light runs its saved effect. Keep the playback page open.
- Linked multi-light playback: any one lamp may be selected as the Master and all remaining lamps are Slaves. The Master controls the playback status of every connected lamp. Phone music may be used or omitted.

FEATURES

Full-color LEDs; light-effect file upload; browser control from a phone, tablet, or computer with no app installation; multi-light networking; and firmware updates.

PACKAGE CONTENTS

1 light fixture, 1 compatible AC power adapter, 1 Magnetic Setup Tag, and product documentation. Contents may vary by sales package.

03 INSTALLATION AND ELECTRICAL SAFETY

1. Inspect before use. Do not use a damaged light, cable, connector, or adapter.
2. Mount securely. Use a suitable hook, cord, or support. Do not twist, crush, stretch, or sharply bend the light.
3. Connect power. Connect the adapter to the light first. The light requires DC 12 V. Then plug the adapter into an AC 100-230 V outlet.
4. Disconnect safely. Remove AC power before cleaning, moving, storing, or inspecting the light.

IMPORTANT SAFETY INSTRUCTIONS

- Use only the supplied power adapter.
- Never use the power cable as a hanging or load-bearing component.
- Keep the adapter and electrical connections away from water and excessive moisture.
- Do not use in standing water. Use outdoors only when every component and connection is rated and protected for that environment.
- Keep away from open flame, heaters, and other heat sources.
- Do not disassemble, repair, or modify the light or adapter.
- Children should use the product only with adult supervision.
- Disconnect power immediately if you notice damage, unusual heat, odor, smoke, or erratic operation.



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04 CONFIGURATION AND LED STATUS

The light is factory-set for standalone loop playback without music and starts playing automatically when powered on. To change the playback method, configure the light as described below.

Setting	SF-1	FL-252
Device type	Snowflake SF-1	Flower FL-252
Pixel count	102	63
Linked Master ID	0 automatically	0 automatically
Linked Slave ID	Unique 1-99	Unique 1-99

ENTER CONFIGURATION MODE

- Before entering Configuration Mode, make sure nearby lights are powered off to prevent mutual Wi-Fi signal interference.
- Lay the light flat and place the Magnetic Setup Tag on the small circle at the center of the light.
- Apply power while holding the tag. When the first 6 LEDs turn WHITE, remove the tag.
- Connect the phone to Redgblue Lights Wi-Fi. The first 6 LEDs turn BLUE.
- Open redgblue.local or 192.168.10.1 in a full browser.

WHITE	Configuration mode ready.
BLUE	Phone or computer connected.
RED	Settings, effects, or firmware are being written.
ORANGE	The lamp is receiving and storing a distributed effect file.

05 CONFIGURATION SCREEN GUIDE

FL-SF Configuration
Redgblue Lights LLC

Settings

Select light-effect file

Choose File

Device role: (o) Master () Slave

Device ID: 0 (Master)

Type: SF-1 | Pixel count: 102

Save Settings

Exit Settings

1. Choose Settings. Firmware Update is used only for authorized .bin files.

2. Choose the .dat file intended for this product.

3. Select Standalone or Linked playback.

4. In Linked mode, choose Master or Slave. Master uses ID 0; every Slave needs a unique ID 1-99.

5. Confirm product and pixels. SF-1: 102. FL-252: 63.

6. Tap Save Settings, wait, then restart.

ONE MASTER ONLY

For linked playback, select only one lamp as the Master. Every other lamp must be configured as a Slave.

FILE MATCH

A light-effect file must match the selected device type and pixel count. Keep power and Wi-Fi connected until saving finishes.

CONFIGURE AGAIN WHEN

Changing Standalone/Linked mode, changing Master/Slave role, correcting an ID, replacing an effect file, or installing firmware.

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06 STANDALONE PLAYBACK

A. LOOP WITHOUT MUSIC

- Select Standalone playback and Loop No Music Mode.
- Choose the correct light-effect file (with the .dat filename extension), save the settings, and restart.
- The light automatically loops the saved effect whenever power is applied.
- No phone is required during normal operation.

B. PLAY WITH MUSIC

- Select Standalone playback and Single Music Mode, then save and restart.
- Connect the phone to Redgblue Lights and open redgblue.local or 192.168.10.1.
- Choose a compatible music file stored on the phone and tap Play.
- Keep the page open and the phone connected during music-synchronized playback.
- Tap Stop before leaving the page or disconnecting.

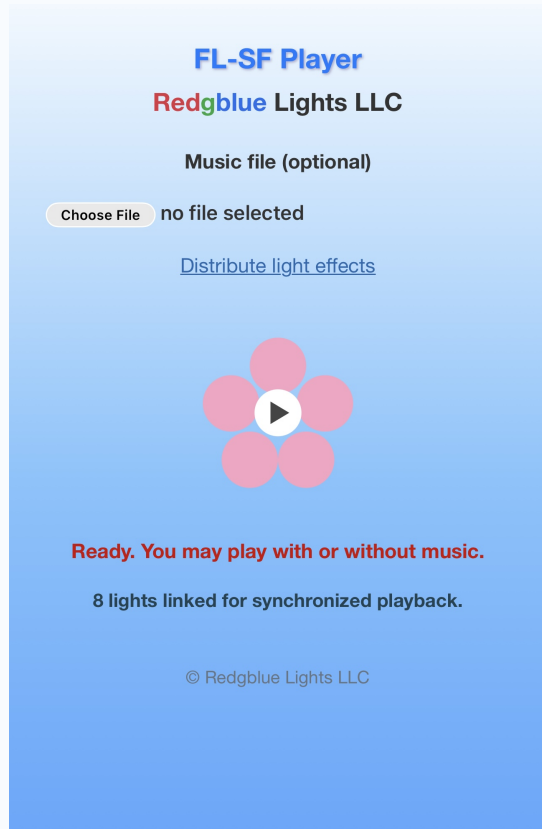
PHONE AUDIO

Music plays through the phone or its connected speaker. It is not uploaded to or stored in the light.



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07 LINKED SETUP AND PLAYBACK



Set roles. Configure exactly one Master (ID 0).
Give every Slave a unique ID 1-99.

Power in order. Power the Master first, then the
Slaves. Wait for connections.

Open the player. Connect the phone by Wi-Fi to
Redgblue Lights, then open redgblue.local or
192.168.10.1.

Music is optional. Choose a phone music file or
leave the field empty, then tap Play.

Stop. Tap the same button to stop all connected
lamps.

Leave and return. Phone music stops when the
page closes, but linked lights continue.
Reconnect later to stop them.

LINKED-LIGHT CAPACITY

The maximum network capacity is 7 lamps plus 1 phone.

OFFLINE SLAVE

A Slave that is offline when Play is pressed will not start. Check power, range, unique IDs, and the connection limit.

08 LIGHT-EFFECT FILE DISTRIBUTION

Light-effect Distribution

Choose a .dat file for each lamp, then tap Update.

Online: 3 lamps; registered: 3 lamps.

0	Snowflake	Choose File
1	Flower	Choose File
2	Flower	Choose File

Update

3 succeeded, 0 failed.

1. Stop playback. The distribution link appears only while linked playback is stopped.

2. Review online lamps. The table lists the Master and registered Slaves.

3. Choose files. Select the matching .dat file in each lamp row. The row Device ID determines the destination.

4. Tap Update. Files are sent sequentially; rows without a file are skipped.

5. Check the summary. Success requires confirmation. Offline lamps and transfer failures are shown separately.

LED INDICATIONS

The Master first shows 6 RED LEDs. The lamp currently storing a file shows 6 ORANGE LEDs. That lamp turns off after storage; the Master turns off when the batch finishes.

DO NOT INTERRUPT

Keep the page open, remain connected to Redgbue Lights, and do not remove power until the final summary appears.

09 FIRMWARE UPDATE



Saving Firmware...

The firmware is being saved.
The device will restart automatically.

Do not disconnect the power.

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1. Enter Configuration Mode and choose Firmware Update.
2. Select only an authorized .bin file supplied or approved by Redgblue Lights.
3. Tap Update Firmware. Keep the phone close, connected, and on the page.
4. Wait at Saving Firmware... Saving and restart normally take about 15 seconds.
5. Reconnect only after Redgblue Lights Wi-Fi reappears.

DO NOT INTERRUPT

Removing power during an update may prevent the light from starting. Do not close the page, change Wi-Fi networks, or remove power during upload and saving.

VERIFICATION

The browser and lamp reject invalid or unapproved firmware. If an update fails, re-enter Configuration Mode and use the correct file.

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10 TROUBLESHOOTING AND CARE

Light does not turn on	Check the outlet, adapter, DC 12 V connection, and light connector. Stop use if damaged or hot.
Wi-Fi is not visible	Move closer, wait for startup, and restart. Use the Magnetic Setup Tag for configuration.
Wi-Fi connects but page does not open	Enter 192.168.10.1 or redgblue.local in a full browser. Disable VPN or cellular switching if it interferes.
A linked Slave does not start	Confirm Slave role, unique ID, power, range, and the connection limit.
Colors or animation are incorrect	Confirm the matching .dat file, product type, and pixel count: SF-1 102; FL-252 63.
Distribution fails	Stop playback. Confirm the lamp is online and check the type, pixel count, and file size.
Firmware does not restart immediately	Wait about 15 seconds and allow the Redgblue Lights network to reappear.

CLEANING AND STORAGE

Disconnect power. Wipe with a soft, dry cloth. Do not rinse, immerse, or use alcohol, gasoline, thinner, or corrosive cleaners. Store disconnected in a cool, dry place without cable strain, sharp bends, impacts, or heavy objects.



11 SPECIFICATIONS, WARRANTY AND SUPPORT

Product	SF-1	FL-252
Design	Snowflake	Five-petal flower
Diameter	50 cm / 19.7 in	28 cm / 11 in
RGB pixels	102	63
Light voltage	DC 12 V	DC 12 V
Adapter input	AC 100-230 V	AC 100-230 V
Wireless	2.4 GHz Wi-Fi	2.4 GHz Wi-Fi
Control	Local web page	Local web page

LIMITED WARRANTY

Warranty duration and terms may vary by retailer, region, and sales channel. Retain proof of purchase. Coverage may exclude improper use or storage, incompatible power supplies, physical damage, unauthorized modification, water damage, fire, lightning, normal wear, and failure to follow this manual.

CUSTOMER SUPPORT

Redblue Lights LLC
Website: redblue.com
Email: service@redblue.com

For support, include the model, Device ID, firmware version, and a description of the issue.

IMPORTANT

Use only a compatible regulated DC 12 V power adapter.