ZENGGE App

Operational Setup & Control Guide for Bluetooth LED Strips

A step-by-step tutorial for new users controlling ZENGGE-paired LED strips and controllers

Before You Start

This guide walks a new user through downloading the ZENGGE app, connecting a Bluetooth LED strip or controller, and using the app's core features — color control, DIY custom colors, dynamic modes, Rhythm mode, Schedule, and grouping.

What You'll Need

- A smartphone or tablet — the app is available for both iOS and Android
- Your ZENGGE-compatible LED strip or controller, powered on
- Bluetooth enabled on your phone — ZENGGE is a Bluetooth-only app (no Wi-Fi mode), so range is limited to Bluetooth distance from the controller

> **Note:** *ZENGGE is made by the same manufacturer behind the Surplife app (JM Zengge Co., Ltd), but it's the older, simpler, Bluetooth-only product line — mainly used for LED strip controllers rather than the broader fixture range Surplife supports. If a product supports both apps, Surplife generally offers more features (Wi-Fi/remote access, more scene types); ZENGGE is the leaner option.*

Step 1: Download and Set Up the App

1. **Download ZENGGE —** Search “ZENGGE” in the Apple App Store or Google Play and install it. It's free.
2. **Enable permissions —** Allow Bluetooth (and Location, if prompted on Android) so the app can discover nearby controllers.
3. **Power on your strip/controller —** Connect power to the LED strip or controller before opening the app.

Step 2: Pair Your Controller

1. **Turn on Bluetooth —** Enable Bluetooth on your phone.
2. **Open the app —** ZENGGE scans automatically on launch and lists nearby controllers.
3. **Select your device —** Tap the controller from the list, or select it from the device list menu if it doesn't auto-connect.
4. **Rename it (optional) —** Rename the device to something identifiable if you're pairing more than one controller.

> **Note:** *If the controller doesn't appear, confirm it's powered on and your phone is close by, then relaunch the app. Since ZENGGE is Bluetooth-only, range and walls/obstructions matter more here than with Wi-Fi-capable apps.*

Step 3: Device Settings — IC Type, Color Calibration, Light Count

Before working with color and effects, it's worth checking the device Settings screen (gear icon) — this matters specifically for addressable/pixel controllers (WS2812B, WS2811, SK6812, and similar), which need to know

exactly what they're driving in order to display colors and patterns correctly. If your product is a simple non-addressable RGB/RGBW strip, some of these options may not appear.

- Device Information — shows basic details about the paired controller (model, firmware, etc.).
- Type of IC Setting — tells the controller which LED chipset it's driving (e.g., WS2812B, WS2811, SK6812). This must match your actual strip's chipset, or colors/effects can render incorrectly (wrong color order, flickering, or effects that look scrambled).
- Color Calibration — fine-tunes the red/green/blue balance so what you pick in the app matches what actually displays on the strip. Useful if colors look consistently off-hue out of the box.
- Num of Lights Setting — set the number of ICs/lights per segment and the number of segments; the app calculates the total pixel count from these two numbers (e.g., 100 lights per segment × 2 segments = 200 total).

> **Note:** *Getting the IC type and light count right here is the pixel-controller equivalent of the sphere/pixel-count check mentioned in other app guides — a mismatch is the most common reason DIY patterns, gradients, or dynamic modes display stretched, scrambled, or with the wrong colors, even though basic on/off and solid-color control may still work fine.*

Step 4: Color, Brightness, and DIY Custom Colors

Color Wheel and Temperature

- Use the color wheel to select from 16 million colors — drag your finger across it to preview live on the strip.
- On RGBW/RGBCCT-capable strips, a separate white/color-temperature control lets you dial in warm-to-cool white independently of color.
- Brightness is adjustable via its own slider, independent of color/mode selection.

Saving DIY Custom Colors

ZENGGE supports saving custom colors for quick recall:

1. **Mix your color —** Set the exact color and brightness you want using the wheel and sliders.
2. **Save it —** Long-press the DIY slot to save the current color/brightness combination — up to 5 custom slots are typically available.
3. **Recall it —** Short-press a saved DIY slot any time to instantly apply that exact color and brightness again.

Step 5: Dynamic Modes

Beyond solid colors, ZENGGE includes a library of built-in dynamic lighting modes — the exact count varies by controller/firmware, with some controllers offering around 20 presets and others upward of 100.

- Browse presets like Jump, Strobe, Fade, Smooth/Gradient, and Rainbow Running Water from the mode list, and tap to apply.
- A dedicated Candle mode simulates a flickering candle's warmth and movement, with adjustable strength, brightness, and speed.
- Most dynamic modes include speed and brightness sliders so you can slow down a fade or intensify a strobe to taste.

Step 6: Rhythm

1. **Open the Rhythm tab —** Tap the Rhythm icon on the control screen to switch the strip into music-reactive mode.
2. **Play music near the strip —** The app uses your phone's microphone to pick up ambient volume/rhythm — no cable or direct audio routing is needed.
3. **Adjust sensitivity —** Fine-tune how sharply the lights react to volume changes versus steady background noise.

Step 7: Schedule

1. **Open the Schedule tab —** Tap the clock icon, typically near the ON/OFF control in the top area of the screen.
2. **Set the schedule —** Choose the time, which days it repeats (Mon–Sun), the ON/OFF action, and which color/brightness/mode should apply.
3. **Save —** The strip will now switch automatically at the scheduled time.

> **Note:** *Schedules do not survive a power interruption — if the strip loses power at the outlet, the schedule won't resume automatically once power returns. Reopen the app after any power interruption so it can resynchronize the schedule with the controller.*

Step 8: Grouping Multiple Controllers

If you have more than one ZENGGE-paired controller (e.g., one indoors, one on a patio), group them for combined control:

1. **Open Groups —** From the device list, access the grouping option.
2. **Select controllers —** Choose every controller that should respond together and name the group.
3. **Control as one, or separately —** Apply a color or mode to the whole group in one tap, or open an individual controller on its own when you only want to change one zone.

Voice Assistant Integration (Optional)

ZENGGE supports Amazon Alexa and Google Assistant on select controllers. In the app's account/profile section, look for a Third-Party Services or similar option, choose your assistant, and follow the linking steps — this typically requires enabling the ZENGGE skill/action within the Alexa or Google Home app itself and signing in there to link accounts.

Troubleshooting

Issue	Fix
Colors, effects, or patterns look scrambled, flickering, or wrong-colored	Check Settings > Type of IC Setting and Num of Lights Setting — a mismatch between what's configured and your actual strip's chipset/pixel count is the most common cause on addressable controllers.
Controller won't appear when	Confirm it's powered on and your phone is close by (Bluetooth range only,

scanning	no Wi-Fi fallback). Relaunch the app, and toggle your phone's Bluetooth off/on if needed.
App shows an error and won't load color/schedule settings	This has been a recurring issue in some ZENGGE app releases. Make sure you're on the latest version from the App Store/Google Play — the developer has occasionally needed a follow-up release to resolve it after a bad update.
App color doesn't quite match the physical light output	A known minor discrepancy some users report — not a defect, just an app-vs-hardware color rendering difference. Adjust visually on the actual strip rather than relying purely on the app's on-screen swatch.
Schedule stopped triggering	Confirm the controller didn't lose power — schedules reset silently on a power interruption. Reopen the app to resynchronize.
Connection drops intermittently	Reported periodically in user reviews, generally tied to Bluetooth range/interference rather than the strip itself. Keep the phone reasonably close, and avoid thick walls or major RF interference between phone and controller.

> **Note:** *ZENGGE is a simpler, Bluetooth-only counterpart to Surplife from the same manufacturer, and it has a mixed track record for app stability in user reviews — keeping the app updated to the latest version is the most consistent fix for the recurring bugs noted above. This guide reflects the general ZENGGE workflow as of mid-2026; menu wording and icon placement can shift slightly between app versions and controller models.*