Lights: your car's LED strip

TuneX controls an LED strip that has its own Bluetooth controller: colours, effects, brightness and speed, right from the knob. Tested with BanlanX SP6xxE controllers (for example the SP630E).

1. Before you start (once)

1. Set up the strip in the **controller's own phone app** first (strip type and colour order; for WS2812B strips: light type "IC", colour order GRB). Then **close that app**: the controller only takes one connection at a time.
2. On the knob: swipe down, turn to **Wi-Fi App Settings** and press. Scan the QR code with your phone (Wi-Fi **TuneX-Setup**, password **12345678**), or open **192.168.4.1**.
3. On the setup page open **Car lights** and tap **Scan to add a controller**. Pick your controller from the list. You can give it a name (for example "Doors").
4. Press the knob when it asks **"Keep this change?"**.

Tip The knob remembers your controller and connects to it by itself every time the car starts. You can save up to 4 controllers (doors, dash, footwells...).

2. Open the lights



Swipe down, turn to Lights, press

1. **Swipe down** on the screen for the app list.
2. **Turn** to **Lights** (the light bulb).
3. **Press** to open it.

Want the knob to start on the lights? Settings › **DEFAULT SOURCE** › Lights.

While the lights are open the knob only controls the lights: turning and pressing never change your music. An incoming call still shows up.

3. The four pages

The dots at the bottom show which page you're on. **Press** (or swipe left / right) for the next page; **turn** to change it. Just pressing through the pages changes nothing; only turning does.



SOLID: turn to move around the colour wheel. The last stop is white.



EFFECTS: turn to pick one of the controller's built-in effects. It starts right away.



BRIGHTNESS: 5 % per click.



SPEED: how fast the effect runs (only matters while an effect is on).

4. What every button and swipe does

Do this	What it does
Turn the knob	Change the page you're on (colour, effect, brightness or speed)
Press once	Next page: SOLID → EFFECTS → BRIGHTNESS → SPEED
Swipe left / right	Next page
Press twice	Strip on / off
Hold 1 second	Strip on / off
Swipe up	Next saved controller (if you saved more than one)
Swipe down	The app list (go back to Bluetooth, Settings...)
Press 3 times, hold the 4th	Straight back to the Bluetooth music screen
Tap the screen	Nothing (so a bump can't change your lights)

Knob set to **Lights only** (Settings › CONTROL MODE)? Then hold = Settings, swipe up / down = next / previous controller, and 3 presses + hold = the setup Wi-Fi.



The press counter: 2 presses = lights on / off



Strip off: "OFF - double press"

5. More than one controller

- The name of the controller you're using shows at the top of the screen.
- **Swipe up** to switch to the next one ("Connecting to Doors" shows for a second or two). Each controller keeps its own colour, effect, brightness and speed.
- Add, rename or delete controllers on the setup page under **Car lights**.

6. Match the knob's own LED ring

Settings › **LED EFFECT** › **Light controller**: the knob's own ring copies your strip (same colour, brightness and effect).

7. If something isn't right

What you see	Try this
"No controller set up"	Add your controller on the setup page (section 1).
"Connecting..."	The strip's power is on? Close the controller's own phone app: it takes only one connection at a time.
"Controller not found"	The knob looked for 10 minutes and stopped, to keep Bluetooth free. It tries again when you open the lights or restart the car.
"OFF - double press"	The strip is switched off. Press twice (or hold) to turn it on.
Colours look wrong	Check the strip type and colour order in the controller's own app.