PRO SERIES LED

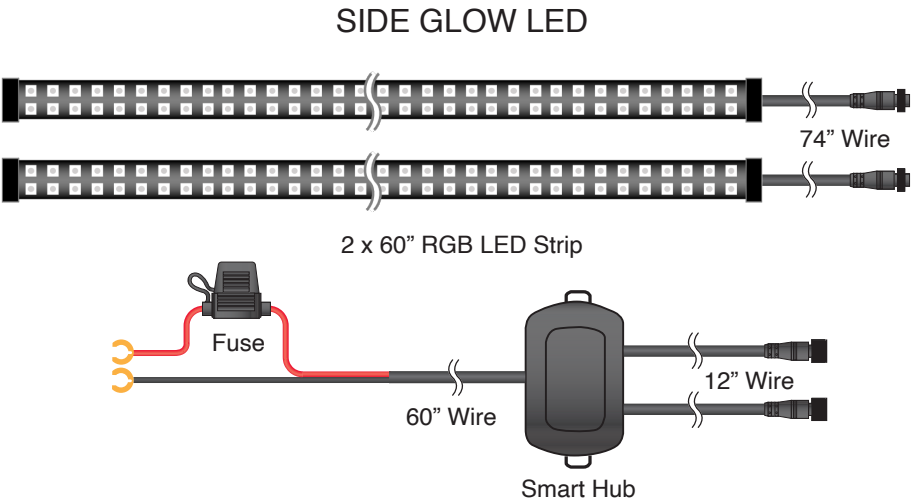
PRO SERIES EXTERIOR SMART LIGHTING KIT

WP ITM. LM532654

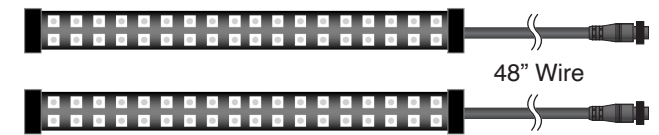
Installation Guide & Safety Information

Important, retain for future reference: Read carefully

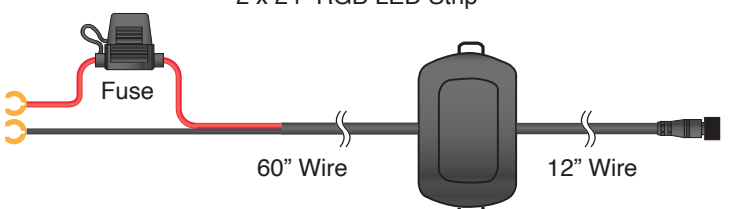
PACKAGE CONTENTS



FRONT AND BACK GLOW LED



2 x 24” RGB LED Strip



2 x Smart Hub

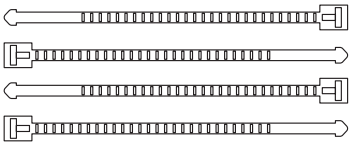
PACKAGE CONTENTS

3RD BRAKE LED

36” Red LED Strip

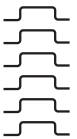
72” Wire

ACCESSORIES



Cable Ties
x 12

Mounting
Screws
x 32



Mounting
Brackets
x 16

Adhesion Promoters
x 6

Alcohol Pads
x 10

Decals x 2

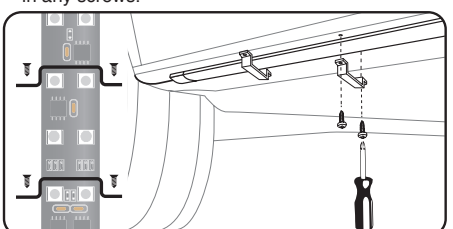
130” Extension Cable

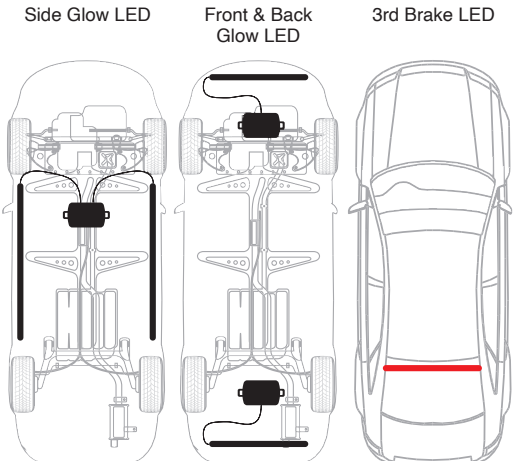
TECHNICAL SPECIFICATIONS

Operating Voltage:	12VDC System Only
Frequency Band:	2.4 GHz
Bluetooth / App Distance:	30 ft Line-of-sight (Obstacles may create interference)
OS Compatibility:	iOS & Android
LED Types:	Side Glow - SMD 5050 RGB, 120 chips per strip
	Front or Back Glow - SMD 5050 RGB, 36 chips per strip
	3rd Brake Light - SMD 2835 Red, 104 chips per strip
IP Rating of LED Strips:	IP65, Water-resistant
Replacement Fuse:	Side Glow - 5A
	Front or Back Glow - 3A
Maximum Wattage Draw:	Side Glow - 36W (3A)
	Front or Back Glow - 8.4W (0.7A)
	3rd Brake Light - 6W (0.5A)

Installing the LED strips:

1. Choose your desired location to install the light strips (Refer to the figures on the right for the recommended installing location for each LED strip.)
2. Clean the surface thoroughly with the alcohol pads provided and let it dry completely. Apply adhesion promoter to the same area.
3. Peel off the 3M™ tape backer at the bottom of the light strips and carefully apply to the desired area.
4. Use the wire mounting brackets and screws if needed to secure the LED strips or wires as shown below. You may want to drill pilot holes before driving in any screws.

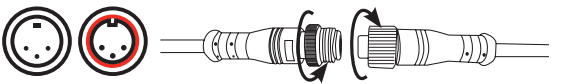




INSTALLATION

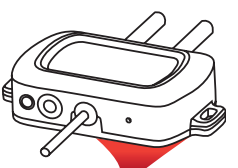
Connecting the LED strips to the Smart Hub:

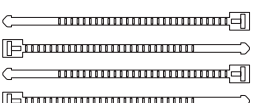
5. Connect the LED strips to the Smart Hub. Make sure the weatherproof 3 pin connectors are securely fastened and route cables away from engine. The connectors are directional, make sure to connect to the correct position and fasten each end of the cap.



Installing the Smart Hub:

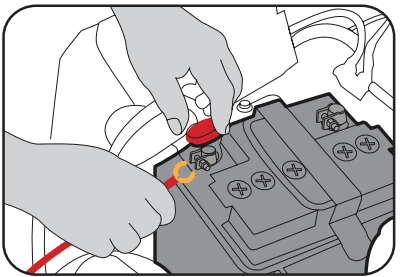
6. Secure the Smart Hub away from the car engine or any moving components. Make sure to avoid placing the Smart Hub or cables near any extremely HOT location or next to the car engine. Use 3M™ double-sided tape to secure to any flat location and use Cable Ties to tie all wiring away from all moving components.





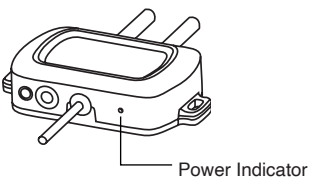
Connecting the Smart Hubs to power:

Smart Hub hardwire cables are color coded, **RED** for POSITIVE (+) and **BLACK** for NEGATIVE (-). Connect the **RED** cable to the POSITIVE (+) battery clamp as illustrated. The POSITIVE battery post will be slightly larger than the NEGATIVE post, and will be marked with a PLUS (+) sign. There may also be a **RED** protective cover over the positive battery post. Connect the **BLACK** cable to the NEGATIVE (-) battery clamp as illustrated. The NEGATIVE will be marked with a MINUS (-) sign. There may also be a **BLACK** plastic protective cover over the negative battery post.



NOTE: After connecting the Smart Hub to the car battery, the LED power indicator will flash Blue. If the LED power indicator does not flash once connected, please double check your power connections.

The Smart Hub has built-in voltage protection to prevent car battery from draining in case the lights are accidentally left on. The lights will be turned off automatically and the Smart Hub will be on standby mode when the voltage drops to approximately 12V. Once on standby mode, if the car battery is producing below 12V, do not turn on the LED lights until your next engine start or when the power is back to 12V or above.

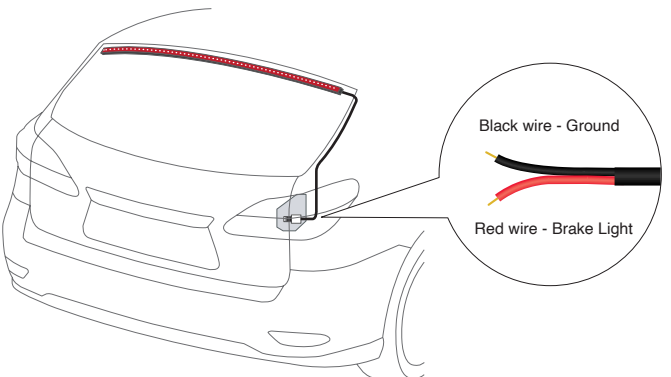


CONNECT TO POWER

WARNING: DO NOT mix up the cables or allow the metal ends to touch together because this may damage the battery, charging system and/or electronics on a vehicle. When installing, please make sure your engine is not running.

Connecting the 3rd Brake LED to power:

Hardwire the 3rd Brake LED to the tail light controller, and test the brake light to ensure the wires are connected correctly.



APP INSTALLATION

Install the TYPE S LED APP on your smart device. Scan below QR code or search for the TYPE S LED APP in the APP Store or Google Play. Once installed, open the APP and begin enjoying your TYPE S Pro Series Exterior Smart LED Kit!

Download on the App Store

Compatible with iPhone 4s & higher, iPad3, iPad Mini, iPad Air & higher, and iPod touch 5th Generation & higher. Requires iOS 9.0 or higher.

GET IT ON Google Play

Compatible with phones with Android™ 4.3 or higher.

Note: not all Android™ phones are equipped with Bluetooth® v4.2 required for this application.

USING THE APP

Home Page

Tap “PRO SERIES” icon to start. The APP will automatically pair to the Smart Hub when both the lights and your device are powered on and within the 30-foot Bluetooth® range. We strongly recommend that you setup a private password to prevent unauthorized devices from connecting to the Smart Hub. (Refer to password instructions on page 15)

NOTE: The Smart Hub has built-in voltage protection to prevent car battery from draining in case the lights are accidentally left on. The lights will be turned off automatically and the Smart Hub will be on standby mode when the voltage drops to approximately 12V. Once on standby mode, if the car battery is producing below 12V, do not turn on the LED lights until your next engine start or when power is back to 12V or above.

Pro Series Page

A **Master On/Off Switch**

B **LED Zone Functions**

C **Save Preset**

D **Password**

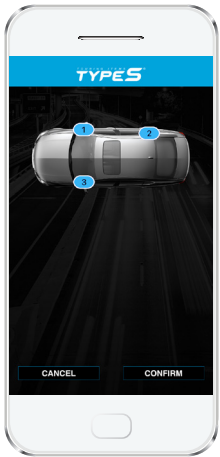
E **LED Modes**

F **Brightness**

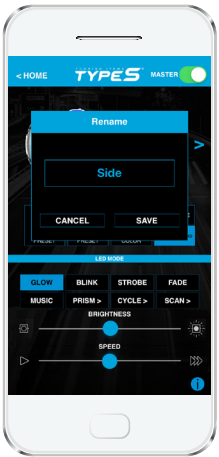
G **Speed**

LED Zone Functions

Move Zone Icon



Rename Zone Icon



A. Master On/Off Switch

B. LED Zone Functions

Zone On/Off: Press each zone icon to turn LED On or Off.

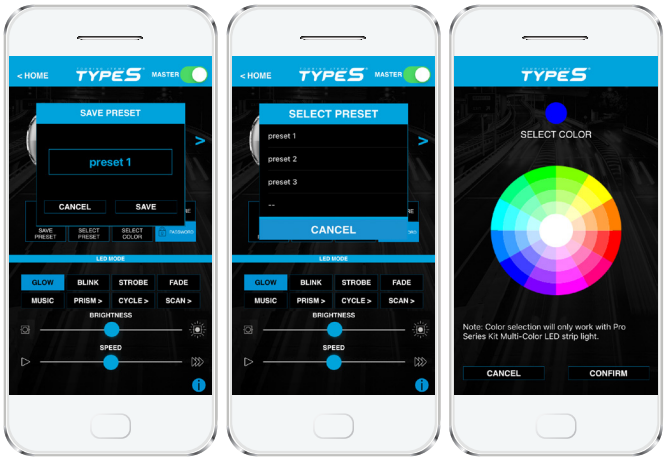
Move Zone Icon:
Press and hold the zone icon, select "Move" to position each zone icon at your desired location.

Rename Zone Icon:
Press and hold the zone icon, select "Rename" to rename each icon. (NOTE: Maximum 4 characters).

Select Multiple:
You can select and control multiple zones at a time. Press and hold the zone icon, select "Select Multiple" then select your desired zones by pressing "Confirm". To ungroup your selection, press and hold the zone icon and select "Ungroup".

USING THE APP

Save Preset **Select Preset** **Select Color**



C. Preset Functions

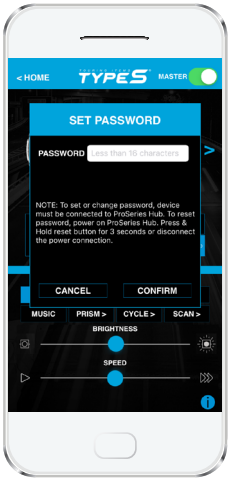
Save Preset:
Save your favourite settings. After choosing your settings, press "Save Preset" and enter your preset name. Save up to 10 Presets.

Select Preset:
To select your previously saved preset setting, simply press "Select Preset" and choose your saved setting.

Delete Saved Preset Setting:
To delete a saved preset setting, press "Select Preset", press and hold the preset you wish to delete. Press "Yes" to delete.
NOTE: Make sure the preset you wish to delete is not currently in use.

Select Color:
Choose from up to 49 different colors. Press "Select Color", select your desired color and press "Confirm".

Password



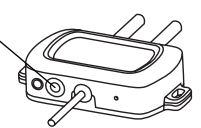
D. Password

You can set up a password to prevent other devices from controlling your lights. Once you have entered your password, it will be saved in the APP and the Smart Hub.

NOTE: To set or change the password, your device must be connected to the Smart Hub simply follow on-screen instructions. Changing the password without connecting to the Smart Hub may cause an invalid password the next time your APP and Smart Hub are activated. If you forget your password, simply reset by pressing the Smart Hub's reset button for three seconds or disconnect the power from the car battery.

E. LED Modes

Choose up to 22 different modes including unique scan effects and Preset color themes.



F. Brightness

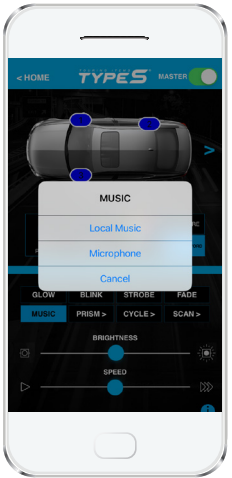
Slide bar to adjust brightness setting.

G. Speed

Slide bar to adjust the speed of the movement from each LED mode.

USING THE APP

Music Mode



Sync lights with the beat of music

Music Mode allows music to control the lighting tempo through your smartphone or tablet. Sync lighting with your music in two ways: 1.) Through locally downloaded music files, or 2.) Through an enabled microphone on the smartphone / tablet.

Tap Local Music to choose music from your music library. Tap Microphone to activate your smartphone / tablet's microphone; it will capture audio played from another source / device.

Due to copyright limitations, Music Mode is not available when playing audio from streaming services such as: Apple Music, Spotify, Pandora, YouTube, etc. Even if music files are saved to the smartphone or tablet from a streaming service, Music Mode will not work. We will provide a TYPE S LED APP update if streaming service support is available in the future.

CAUTION: When using Music Mode, keep the engine running. Low voltage battery protection will be disabled while in Music Mode. Low voltage battery protection will be enabled once the TYPE S LED APP is manually closed or disconnected.

WARNINGS

Important Safety Instructions:

1. SAVE THESE INSTRUCTIONS - This manual contains important safety and operating instructions for LED Kit model LM532654.
2. NEVER use the APP while operating your vehicle. Use the APP when vehicle is stationary only.
3. Before using this LED Kit, read all instructions and cautionary markings to ensure the product is properly & safely installed.
4. Do not expose LED Kit to rain, moisture, or snow.
5. Use of an attachment not recommended or sold by the LED Kit manufacturer may result in a risk of fire, electric shock, or injury to persons.
6. Do not operate with damaged cord.
7. Do not disassemble LED Kit; take it to a qualified serviceperson when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
8. To reduce risk of electric shock, disconnect all power before attempting any maintenance or cleaning. Turning off the lights will not reduce this risk.

WARNING: Do not install or use product if it, in any way, impairs the safe operation of your vehicle. Follow manufacturer's instructions to ensure the product is properly & safely installed. Neither the manufacturer nor the reseller can be held responsible or liable for consequential, incidental, or indirect damages to either person or property resulting from the installation or improper use of this product. Check your state, provincial, or local laws before installing.
This product is not DOT approved.

WARNINGS

FCC Compliance Statement:

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or change to this equipment. Such modifications or change could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement.

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

⚠ **WARNING:** This product can expose you to chemicals including DEHP and DINP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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3M VHB™ is a trademark of 3M company.

Pro Series Exterior Smart Lighting Kit
LM532654
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