

06–15 Audi Q7 Ambient Light Installation Manual

Installation Precautions

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Non-professionals must not install the product themselves, to avoid damage to the device or other accidents.

Before disassembling the vehicle, remove all metal objects and other hard items you are carrying to prevent damage to the seats or interior during installation.

Route the wiring properly. Interior installation space is limited, so minimize the space occupied to facilitate main-unit installation and plan the main-unit cables carefully. Ensure wiring does not interfere with moving parts such as the steering shaft, accelerator pedal, or brake pedal. Secure the wiring harness after routing to prevent it from coming loose.

Before installation, check that all vehicle functions work properly and that there are no scratches on the interior surfaces. Report any issues to the customer promptly.

During installation, place removed vehicle components carefully to avoid scratching the dashboard. Clean up wiring debris promptly and do not leave anything inside the vehicle. Properly insulate every wire connection to prevent short circuits.

Do not plug in or unplug connected cables or accessories while the power is on, as hot-plugging may damage the main unit or accessories.



Product Configuration

Door contour light strips × 4

Footwell lights × 4

Door storage-compartment lights × 4

Door trim panels × 4
Door-handle lights × 4

Center-console light strips × 2

HC-AD21Y4+ADPJ22

适用于10-15款奥迪Q7氛围灯

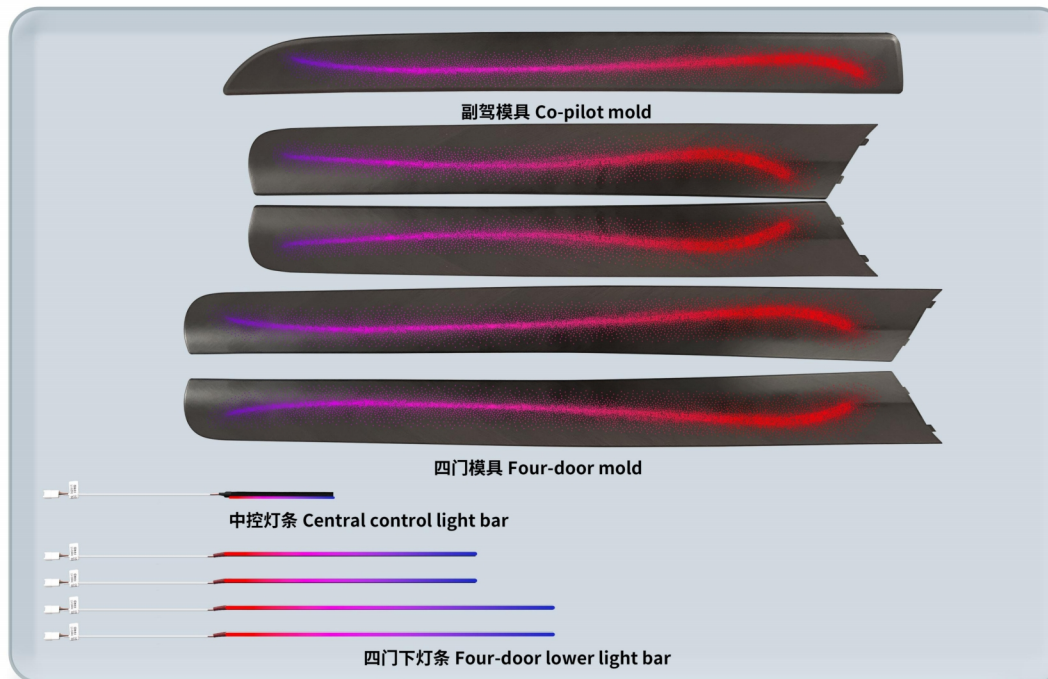
Suitable for 10-15 style Audi Q7 Ambient Lights

银河款 22灯 幻彩

Galaxy style 22 lights Phantom colored

屏幕控制/方向盘控制/微信小程序控制/APP控制

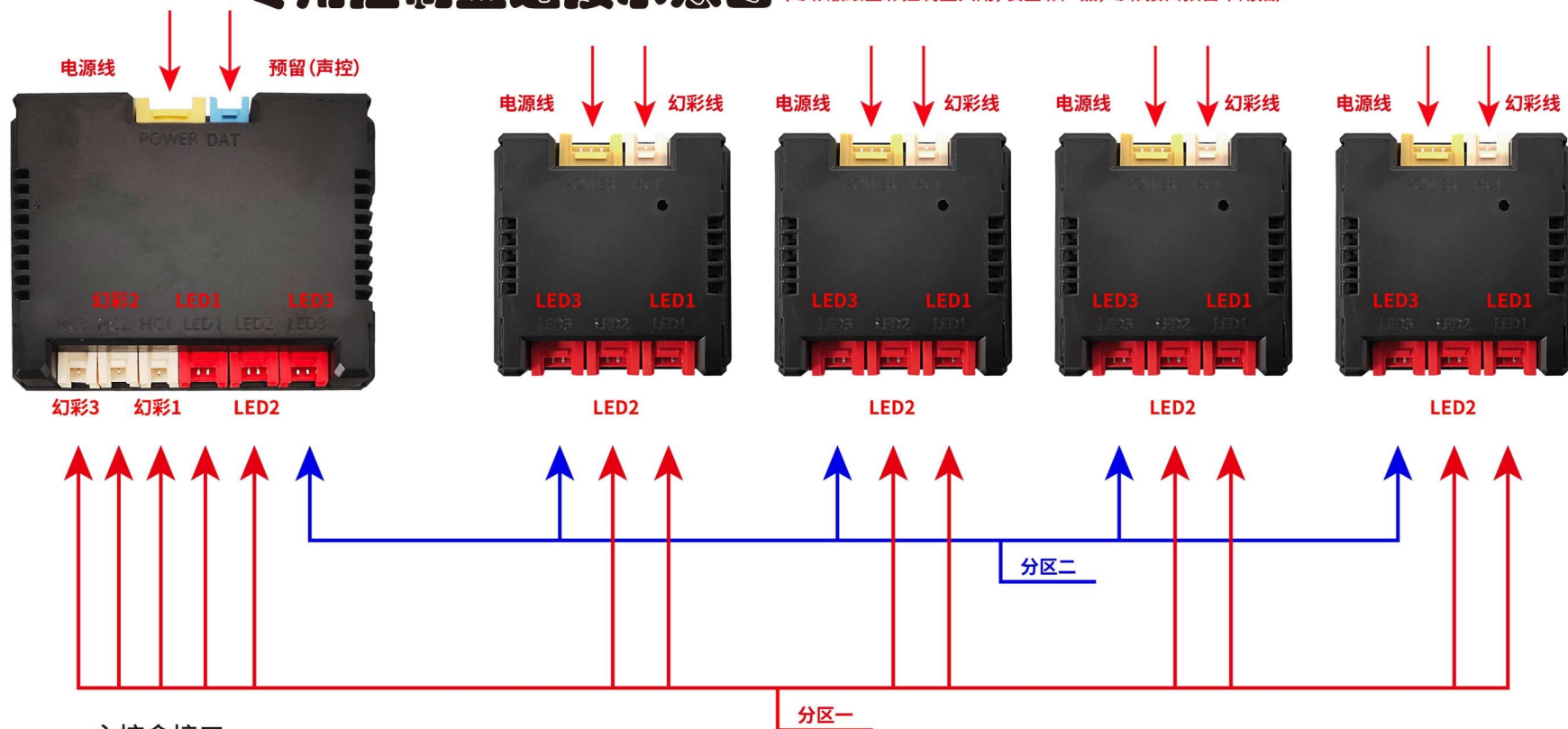
Screen control/steering wheel control/WeChat applet control /APP control



Control Box Interface Definition

专用控制盒连接示意图

(幻彩版跟全彩控制盒共用,装全彩产品,幻彩接口预留不用插)



主控盒接口

HC1接方向盘左侧**(短灯条)**、HC2/HC3接方向盘右侧**(长灯条)**、LED1中控仪表左、LED2中控仪表右、LED3接脚窝。

门板盒接口

HC1接幻彩灯、LED1接门拉手灯、LED2接门轮廓灯、LED3接门储物盒灯。

Common Ambient Light Installation Issues

I. Ambient Light Troubleshooting

1. The ambient light cannot be controlled or does not turn on

Answer: Check whether the control-code switches on the main control box have been set according to the definition on the box cover. Check whether the power adapter is connected correctly.

2. The center console and four doors show different colors

Answer: Disconnect all lights from the control box except one light. Test red, green, and blue. This helps rule out poor contact at the ambient-light head connector.

3. The ambient lights on the door panels show different colors

Answer: Leave only one door-panel light connected and test red, green, and blue. This helps rule out poor contact at the door-panel light connector.

4. The main control box is lit but the four doors are not

Answer: Check the door-panel power supply. Connect the phone to the ambient light and open About to perform pairing.

Mini Program QR Code



氛围灯控制程序3

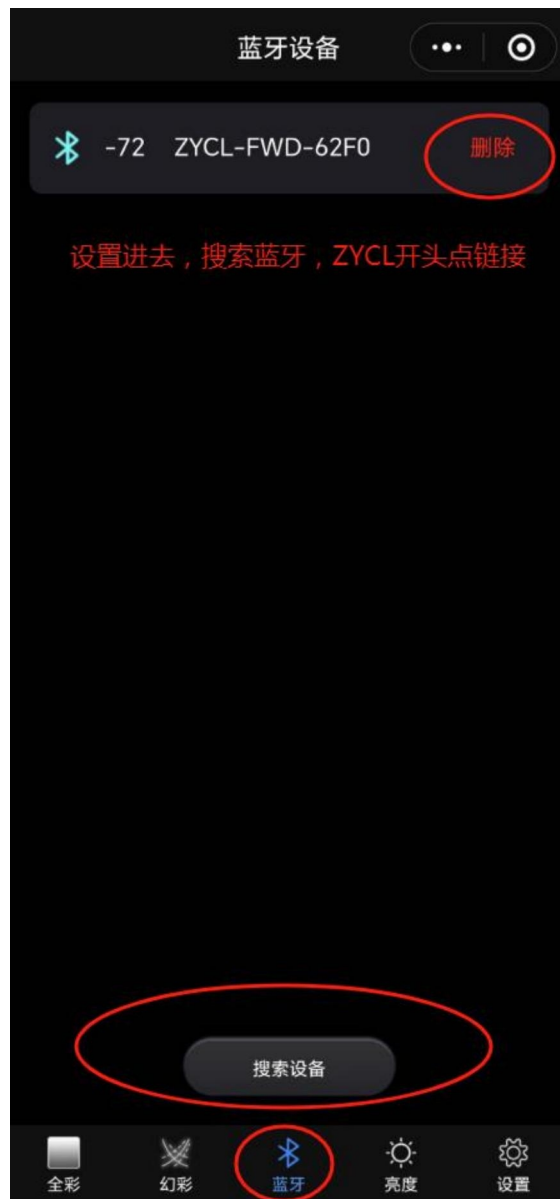
微信小程序

车载氛围灯控制程序
氛围灯控制程序3 APP



手机APP

Pairing Guide (Control-Code Settings)



CAN wiring diagram (not required for models without active functions).
Yellow wire = ACC.



Connect the brown CAN wire to pin 7; connect pin 8 to the green CAN wire.

Ambient Light Locations



Door Contour Light



Remove the original bracket and replace it with the light strip.
Make sure the light head aligns with the trim panel.

Door Contour Light



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Make sure the light head aligns with the trim panel.

Door Adapter Connector Guide



Convert the power cord connector to the original vehicle's 20-pin plug

Door Adapter Connector Guide



First, disconnect the original vehicle's 18P small plug and connect it to the black plastic housing.

Storage-Compartment Light



门储物盒灯安装位置，要开孔。

Common Problems and Solutions

Fault Symptom	Possible Cause	Solution
Light does not turn on	1) Power wire not connected properly 2) Brightness is off	1) Check power and ground wires 2) Increase brightness
Light is dim	1) Light guide is not installed at the lamp position 2) Light guide bend radius is too large	Reinstall the light guide
Abnormal color	Short circuit in the cable	Check wire routing
Cannot control	Incorrect switch setting	Check the switch