



Design App UI

Version: 20210602

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Contents

The panel is the control interface of the user app. Tuya provides different types of interface panels including public panels and DIY style UI panels. And you can DIY your own panel on the basis of public panels.

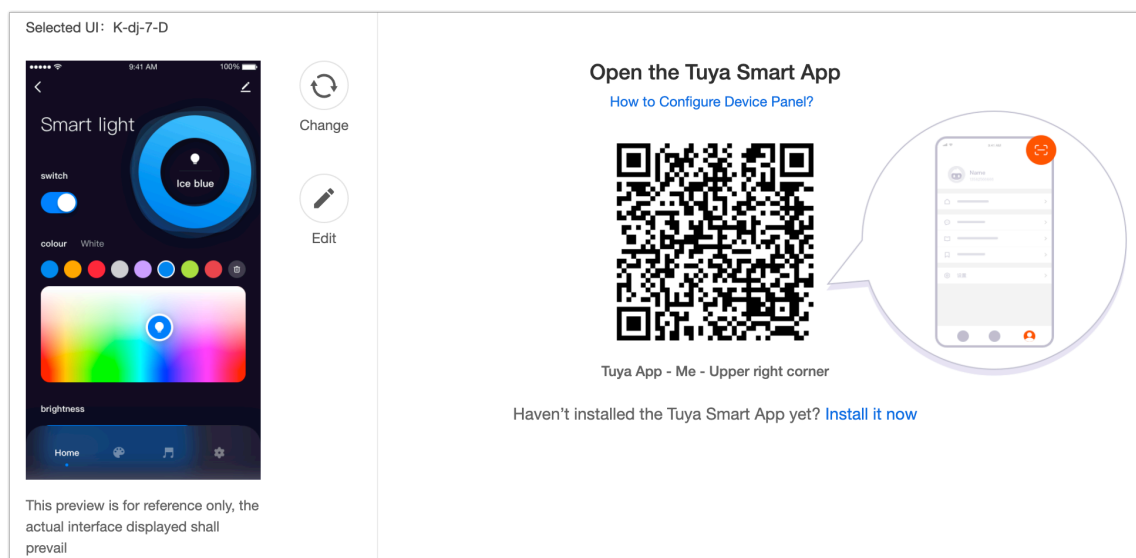
1 Prerequisite

You have created a product on the Tuya IoT Platform. For more information, see [Create Products](#).

2 Procedure

The following steps describe how to select and edit an app panel based on the Tuya public panels.

1. Go to the [Smart Products](#) page.
2. Find a product in **Developing**, and click **Entering to Develop**.
3. In the **Device panel** step, select a panel from the recommended templates or develop a panel with the panel SDK. You can also submit your requirement to Tuya for your own custom panel.
4. (Optional) If you want to change the selected panel, you can click the **Change** on the right of the selected panel to select a new one.



- If you selected **Visualized DIY Panel**, you can click **Edit** on the right of the selected panel to enter the Panel Studio for DIY editing. For more information, see [Configuration Guide for Studio](#). > **Note:** The visualized DIY panels only apply to products in some categories.
- If you selected **Public Panels**, you can click **Edit** on the right of the selected panel to enter the panel studio for DIY editing. For more information, see [Configuration Guide for Tuya Public Panel](#).
- If you selected **Panel SDK**, you can click **Develop** on the right of the selected panel to enter the panel independent development for management. For more information about panel SDK, see [Quick Start](#).



The configurations supported by each template are different. You can scan the QR code with the Tuya Smart app to check if the current template matches your product. If functions cannot be displayed on the app, check or change the template.

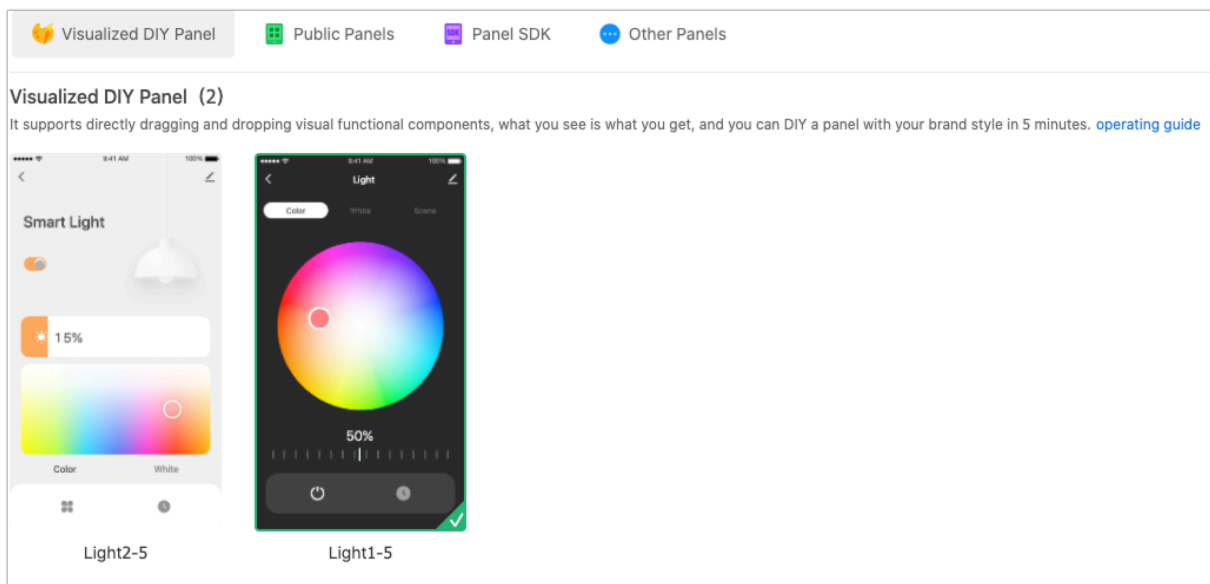
3 Template type

The following panel templates are available:

- Visualized DIY panel
- Public panel
- Panel SDK
- Customized panel
- DIY style UI panel
- Debug panel > **Note:** The visualized DIY panels, DIY style UI panels, and debug panels only apply to products in some categories.

3.1 Visualized DIY panel

You can drag and drop function components to create your branded panels in five minutes. For more information, see [Configuration Guide for Studio](#).



3.2 Public panel

Different public panels are provided to adapt to various product categories. The included custom components can be designed into functional and fancy panels and display different interfaces for your enabled standard functions. For more information, see [Configuration Guide for Tuya Public Panel](#).

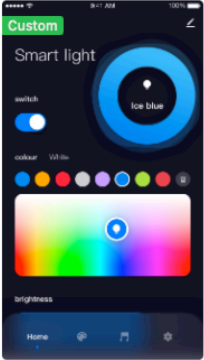
Change

Visualized DIY Panel
 Public Panels
 Panel SDK
 Other Panels

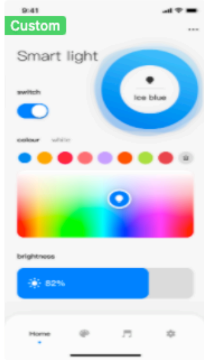
Public Panels (30)

Varieties of custom components, you can design nice and easy-to-use panels after simple configuration. [operating guide](#)

K-dj-7 (2)



K-dj-7-D



K-dj-7-W

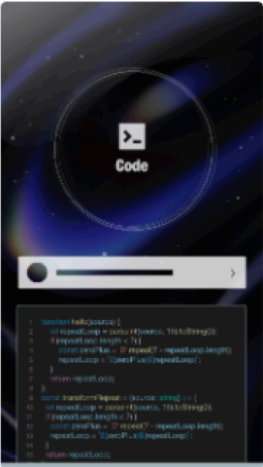
3.3 Panel SDK

You can use Tuya's SDK to easily develop and debug your branded panels. For more information about panel SDK, see [Quick Start](#).

Visualized DIY Panel
 Public Panels
 Panel SDK
 Other Panels

Panel SDK (1)

With a series of development kits provided by Tuya, you can easily develop and debug an app panel with your brand style . [operating guide](#)



Panel SDK Development

Tuya's Customized Panel

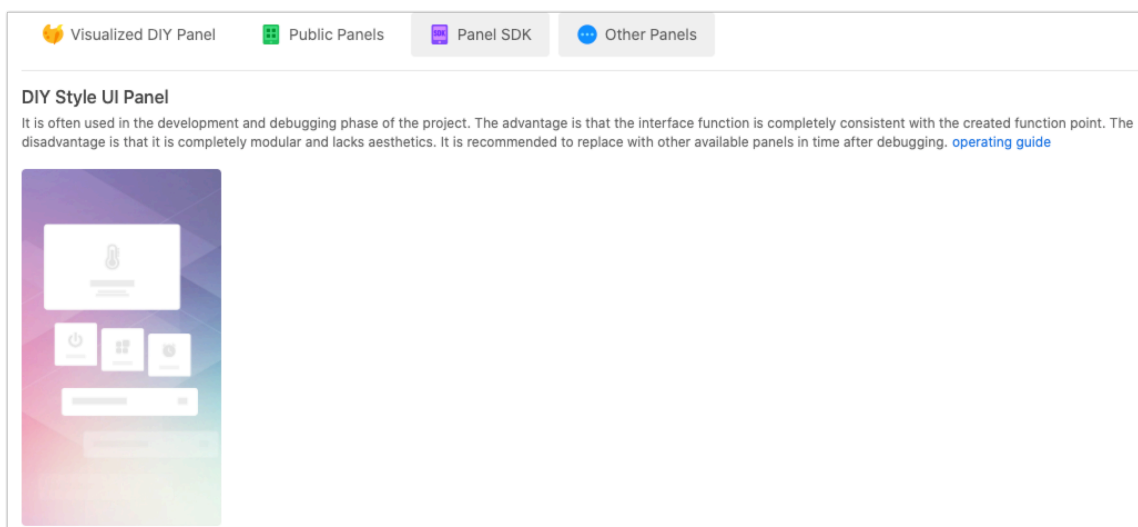
3.4 Customized panel

After you submit your custom requirements, Tuya will provide a custom quotation. After you complete the payment, Tuya will design and develop the panel according to your requirements and bind it to your product. For more information about customized panels, see [My Services](#).

3.5 DIY style UI panel

By applying the DIY template, you can set an icon component for each function. Three modules are available for now, big, middle, and small modules. Different function types have different commands sent and reported, and the Tuya IoT Platform will automatically adapt to the type of function.

1. Find **DIY Style UI Panel** and click to select the panel.



2. Click **Edit** on the right of the panel to enter the configuration page.

Interface configuration
Save

Background
 ● ● ● ● ● ●

choosing Switch setting No set ▼ Optional, switch button is put on bottom of screen

Function points style setting and sorting

☰ ON/OFF	Big module ▼	Choose icons 🔍	Background 🖼️
☰ Mode	Small mod... ▼	Choose icons 🗄️	
☰ Brightness	Small mod... ▼	Choose icons ☀️	
☰ Color Temp	Small mod... ▼	Choose icons 🌙	
☰ Colorful	Medium m... ▼	Choose icons 🌈	
☰ Scene	Medium m... ▼	Choose icons ★	
☰ Timer	Medium m... ▼	Choose icons 🕒	
☰ Real-Time Adjustment	Medium m... ▼	Choose icons 🔄	
☰ Do not Disturb	Medium m... ▼	Choose icons 🌙	

Save

Parameter

Description

Background

Background determines the tone of the app interface.

(Optional) Switch setting

The Boolean data point (DP) is applied to the switch on the app. If you set it, the switch button will be put at the bottom of the interface.

Function points style setting and sorting

Customize the styles and sorting of function points, and three modes are available for now, big, middle, and small modules.

Big module: supports changing background picture and icon.

Middle module: supports changing icon.

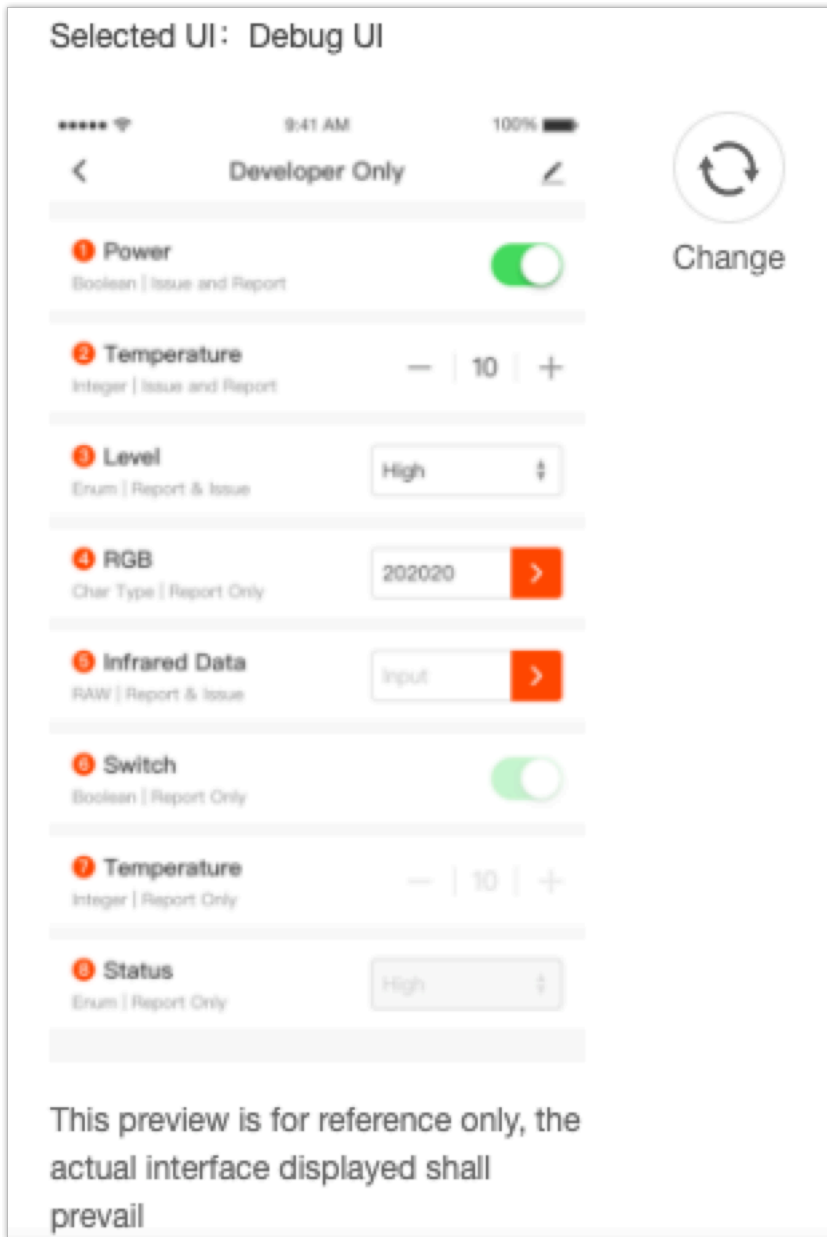
Parameter	Description
	Small module: supports changing icon.

3. Click **Save**.
4. Scan the QR Code with the Tuya Smart app to preview the interface on the app.

3.6 Debug panel

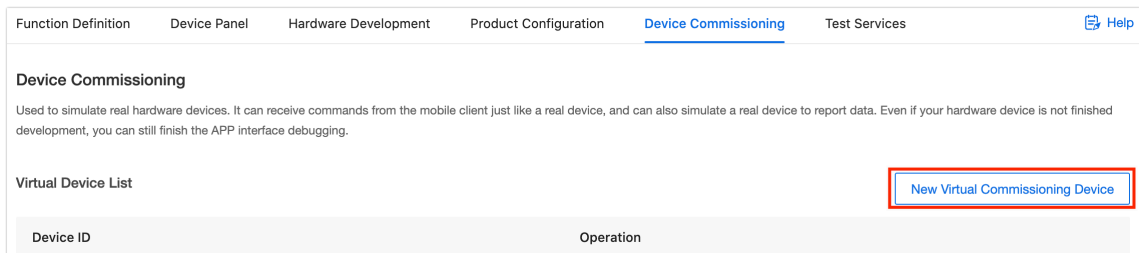
The debug template supports checking communication logs for custom development. Debug template can also be used for testing your products. The debug template supports displaying all product functions and function types, but it is strongly recommended not to keep this interface type open to end-users.

1. Find **Debug Panel** and click to select the panel.



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2. After selecting the debug panel, click **New Virtual Commissioning Device** on the **Device Commissioning** page.



3. Scan the QR code with the Tuya Smart app to debug online.

Simulation device exists on Tuya Smart Cloud, used for simulate real hardware device. It could receive command from smartphone as the real device. Even if your hardware device is still under developing, you could conduct APP interface preliminary test.

