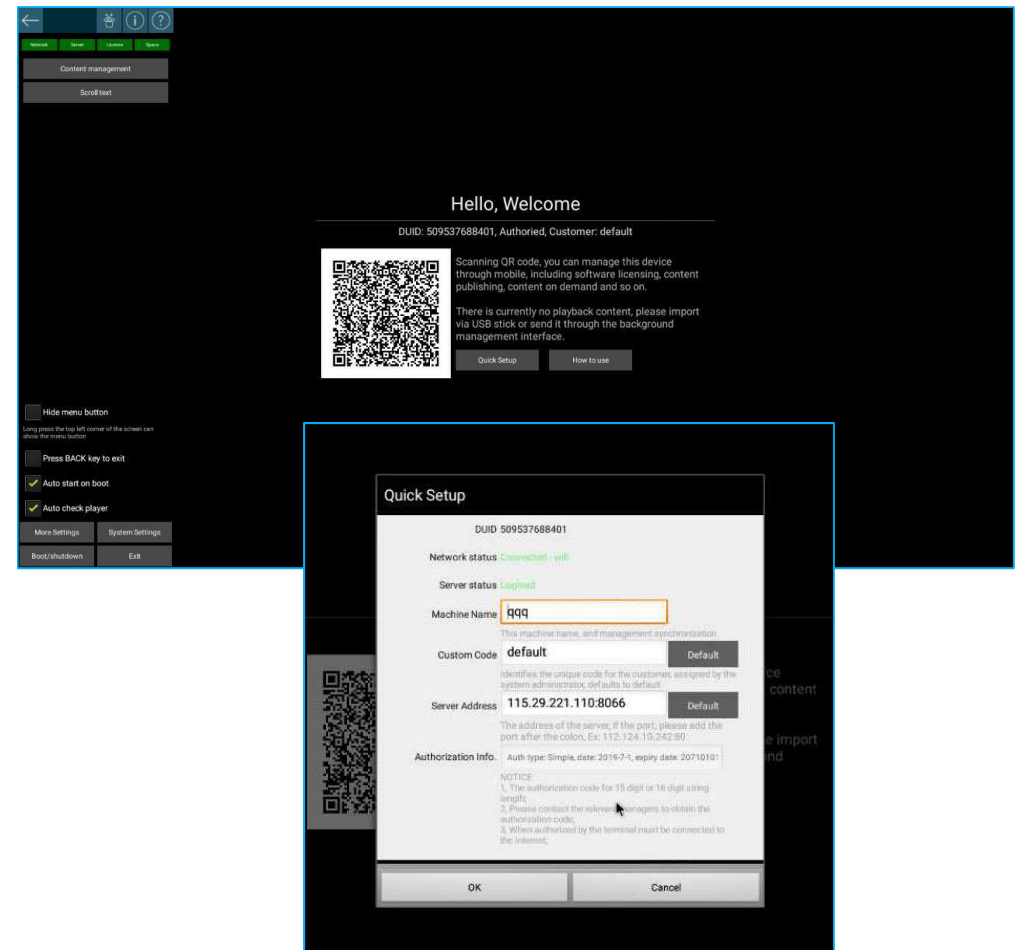


Online Help

How to connect device to server

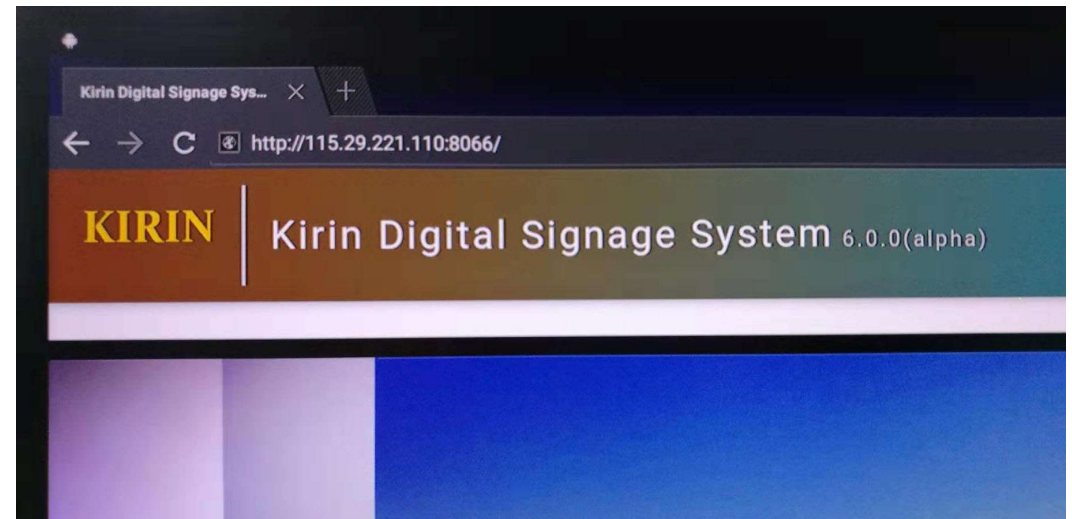
Android device

- The first key information to understand
 - Determine whether the terminal network is connected to the server network.
 - Determine the interface server address and port
 - Identify your customer code
 - Need to authorize the terminal
- Understanding terminal DUID, terminal number
 - Each terminal device has a unique DUID, which is a unique hardware-related code.
 - After each terminal device accesses the service background, it will get a terminal number, and the terminal number is unique on a set of platforms.
- These connection parameters can be modified on the quick setup page, connection setup page or device information page on the terminal.
- The terminal needs to actively connect to the interface server, and the service background can see the terminal.



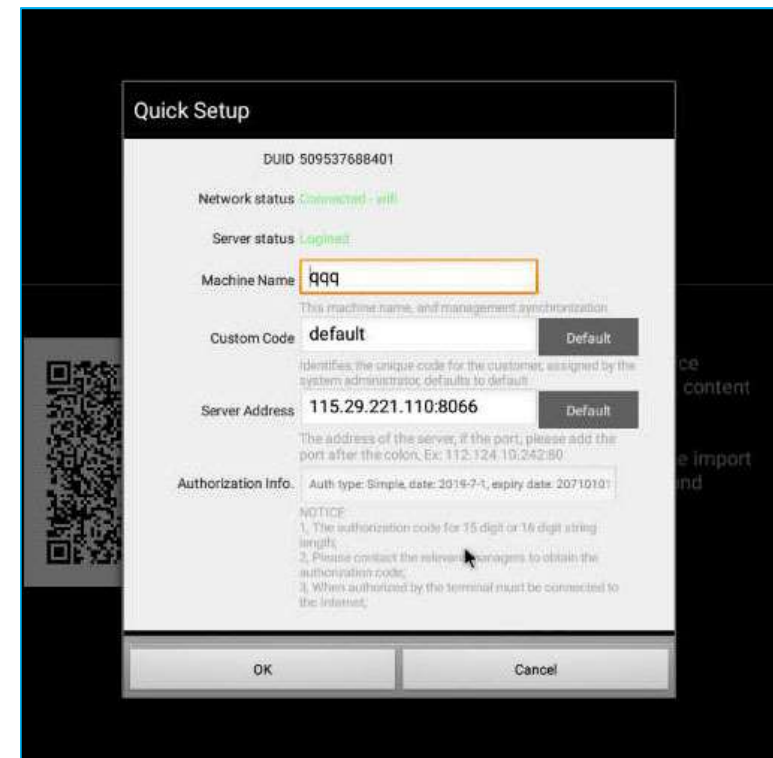
Device network is connected to server

- First, make sure that the physical network of the terminal is normal.
 - There are three types of Android connection networks: WIFI, wired or 3G/4G.
 - Confirming that the network is normal is to check if the network is assigned an IP address. Take WIFI as an example. If the terminal is connected to WIFI, "Connected" will be displayed on the WIFI setting interface of Android itself, and its IP address can be viewed under its "Advanced" menu.
- After confirming that the physical network is normal, confirm that the network between the terminal and the server is connected.
 - The simple verification method is to use the browser that comes with Android to access the server background management interface.
 - For example, if the IP and port of the self-built server is 192.168.1.100:8066, enter `http://192.168.1.100:8066` on the browser of the Android terminal. If you can open a login page, then the network is connected. Otherwise, the network is not connected yet, and the network is mainly checked.



Server address and your customer code

- The default cloud platform interface address is 115.29.221.110:8066
- If it is a self-built server, the server address for installing the server software is the interface address, and the default port is 8066.
 - For example, if the server IP of the server software is 192.168.1.100, the interface server to be filled in the terminal should be 192.168.1.100:8066.
- The default client code is default. If it is a self-built server, use this client code to connect to the background to see the terminal.
- If you are using our cloud platform, you need to fill in the correct customer code. The customer code is generated by adding the client to the cloud platform and needs to be generated by the platform administrator or your superior customer.



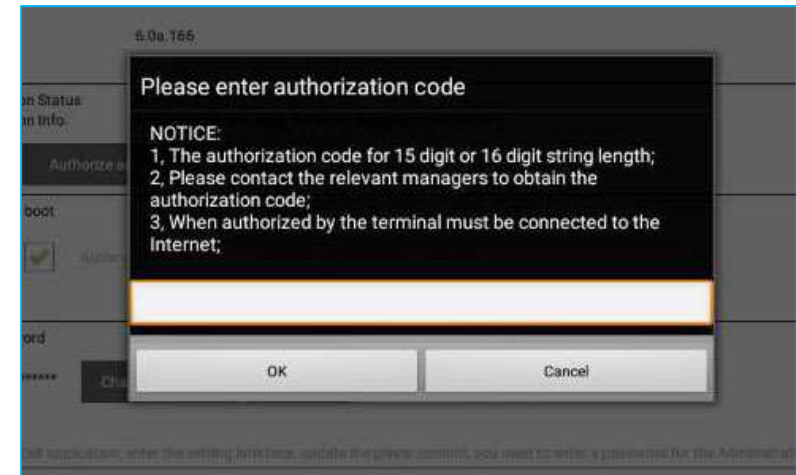
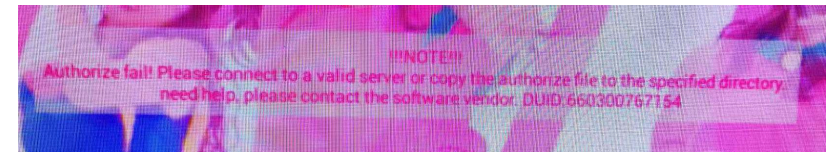
The screenshot shows a 'Quick Setup' window with the following fields and information:

- DUID:** 509537688401
- Network status:** Connected - wifi
- Server status:** Logged
- Machine Name:** qqq (highlighted with an orange box)
- Custom Code:** default (with a 'Default' button)
- Server Address:** 115.29.221.110:8066 (with a 'Default' button)
- Authorization Info:** Auth type: Simple, date: 2019-7-1, expiry date: 2021-01-01
- NOTICE:**
 - 1. The authorization code for 15 digit or 16 digit string length.
 - 2. Please contact the relevant managers to obtain the authorization code.
 - 3. When authorized by the terminal must be connected to the Internet.

At the bottom are 'OK' and 'Cancel' buttons. A QR code is visible on the left side of the dialog.

Authorize the device

- After the device software is authorized, the software can be used normally, otherwise the screen will prompt for unauthorized information.
- Support multiple methods of authorization
 - Enter the authorization code on the device
 - Import an authorization file on the device
 - Can also be authorized by U disk
 - The server can also add an authorization code to enable the device to automatically authorize.
- There are three ways to enter the authorization input interface on the device.
 - You can enter authorization information on the Quick Settings screen.
 - There is also a button to apply for authorization on the "Terminal Details" interface.
 - There are also buttons for applying for authorization in the "Parameter Settings / Connection Settings" interface.
- The authorization code is a 15-digit numeric serial number provided by the software vendor. If necessary, please contact your software to provide the purchase.
- The terminal needs to connect to the Internet when entering the authorization code authorization on the device.
- If the number of devices is large, it is recommended to authorize via USB disk.

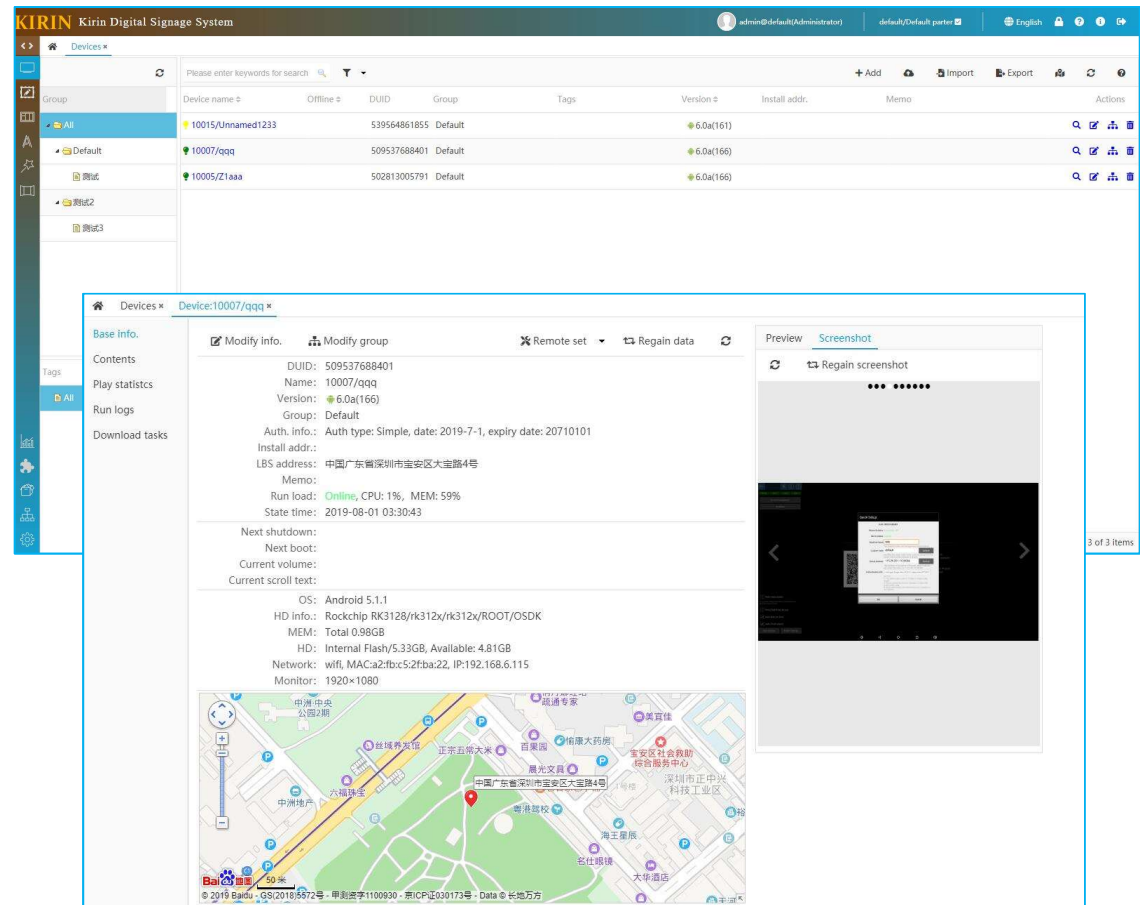


Authorized by U disk

- There are two ways to authorize a device through a USB flash drive:
- Automatically import dek file authorization
 - Copy the terminal's dek file to the root directory of the U disk. For example, the terminal with DUID is 123456789012 and the dek file is 123456789012.dek. The dek file needs to be provided by the software vendor.
 - Insert the USB flash drive into the motherboard. If it is normal, it will be automatically authorized and reminded to succeed.
- Authorized by serial code
 - Create a file viksn.txt in the root directory of the USB flash drive, where the content is an authorized serial code, and the authorized serial code needs to be obtained from the software vendor.
 - Insert the USB flash drive into the motherboard. If it is normal, a dialog box will pop up, you can select the USB flash drive authorization, and the authorization result will have a pop-up window reminder.

After the device is successfully connected

- The device is successfully connected.
You can see the device in the device list.
- After the access is successful, the device can be controlled.
 - Post content
 - Publish rolling captions
 - Remote simple control, etc.



Device list interface description

The screenshot displays the 'Devices' management interface of the KIRIN Digital Signage System. The interface includes a top navigation bar, a left sidebar for filtering, a central table of device information, and a right sidebar for actions. Yellow callout boxes provide descriptions for various parts of the interface:

- Filter devices by group:** Points to the 'Group' sidebar menu.
- Search or conditionally filter devices:** Points to the search bar at the top of the table.
- Global operation area, add, import, and export device list information:** Points to the top toolbar containing 'Add', 'Import', and 'Export' buttons.
- Filter device by tags:** Points to the 'Tags' sidebar menu.
- Device list area, the left side shows the connection status, and the right side is the single device operation area:** Points to the main table and its right sidebar.
- For a single device operating area, view details, modify basic device information, modify device grouping, and delete devices:** Points to the 'Actions' column in the table.

The table contains the following data:

Device name	Offline	DUID	Group	Tags	Version	Install addr.	Memo	Actions
10015/Unnamed1233		539564861855	Default		6.0a(161)			[Icons]
10007/qqq		509537688401	Default		6.0a(166)			[Icons]
10005/Z1aaa		502813005791	Default		6.0a(166)			[Icons]

Page 1 of 1 | Displaying 1 to 3 of 3 items

Device details interface description

The screenshot displays the 'Device: 10007/qqq' details page. The interface is divided into several sections:

- Left Sidebar (Device data viewing):** Contains links for 'Base info.', 'Contents', 'Play statistics', 'Run logs', and 'Download tasks'.
- Top Action Bar:** Includes 'Modify info.' (checked), 'Modify group', 'Remote set', and 'Regain data'.
- Basic device information display:** A central box containing device metadata:
 - DUID: 509537688401
 - Name: 10007/qqq
 - Version: 6.0a(166)
 - Group: Default
 - Auth. info.: Auth type: Simple, date: 2019-7-1, expiry date: 20710101
 - Install addr.:
 - LBS address: 中国广东省深圳市宝安区大宝路4号
 - Memo:
 - Run load: Online, CPU: 1%, MEM: 59%
 - State time: 2019-08-01 03:30:43
 - Next shutdown:
 - Next boot:
 - Current volume:
 - Current scroll text:
 - OS: Android 5.1.1
 - HD info.: Rockchip RK3128/rk312x/rk312x/ROOT/OSDK
 - MEM: Total 0.98GB
 - HD: Internal Flash/5.33GB, Available: 4.81GB
 - Network: wifi, MAC:a2fb:c5:2fba:22, IP:192.168.6.115
 - Monitor: 1920x1080
- Map:** A map at the bottom showing the device's location at '中国广东省深圳市宝安区大宝路4号'.
- Right Panel (Screenshot of device screen or current playback content preview area):** Features a 'Preview' tab and a 'Screenshot' button. Below is a preview of the device screen showing a lock screen with a clock and date.

Annotations with yellow callouts point to specific features:

- 'Basic modifications to the device' points to the 'Modify info.' button.
- 'Remotely set menu' points to the 'Remote set' button.
- 'Regain basic information' points to the 'Regain data' button.
- 'Device data viewing' points to the left sidebar.
- 'Basic device information display' points to the central information box.
- 'Screenshot of device screen or current playback content preview area' points to the right panel.