# Digital Signage Player
# User Manual

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# 1.How to start?

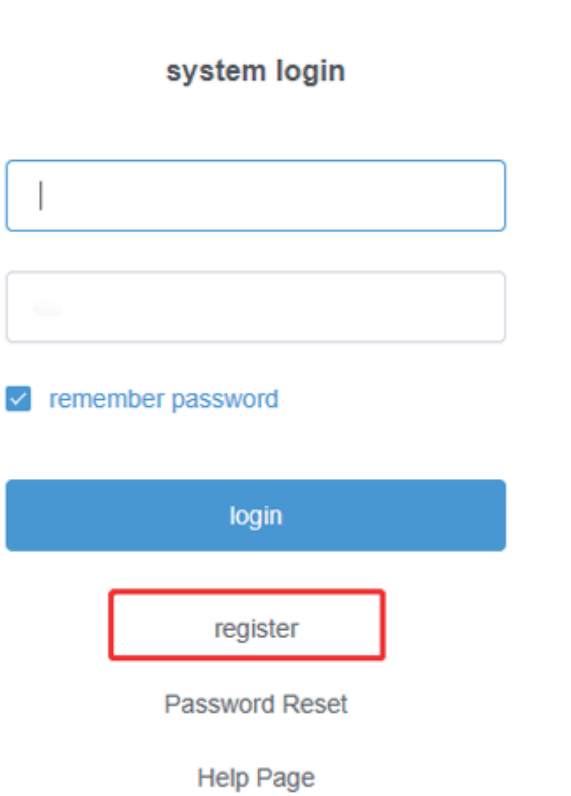
## 1.1. Connect device

① connect power cable for device, put switch to turn on.

② connect internet for device, by etherlan cable, or set WIFI in “settings” when turn on.

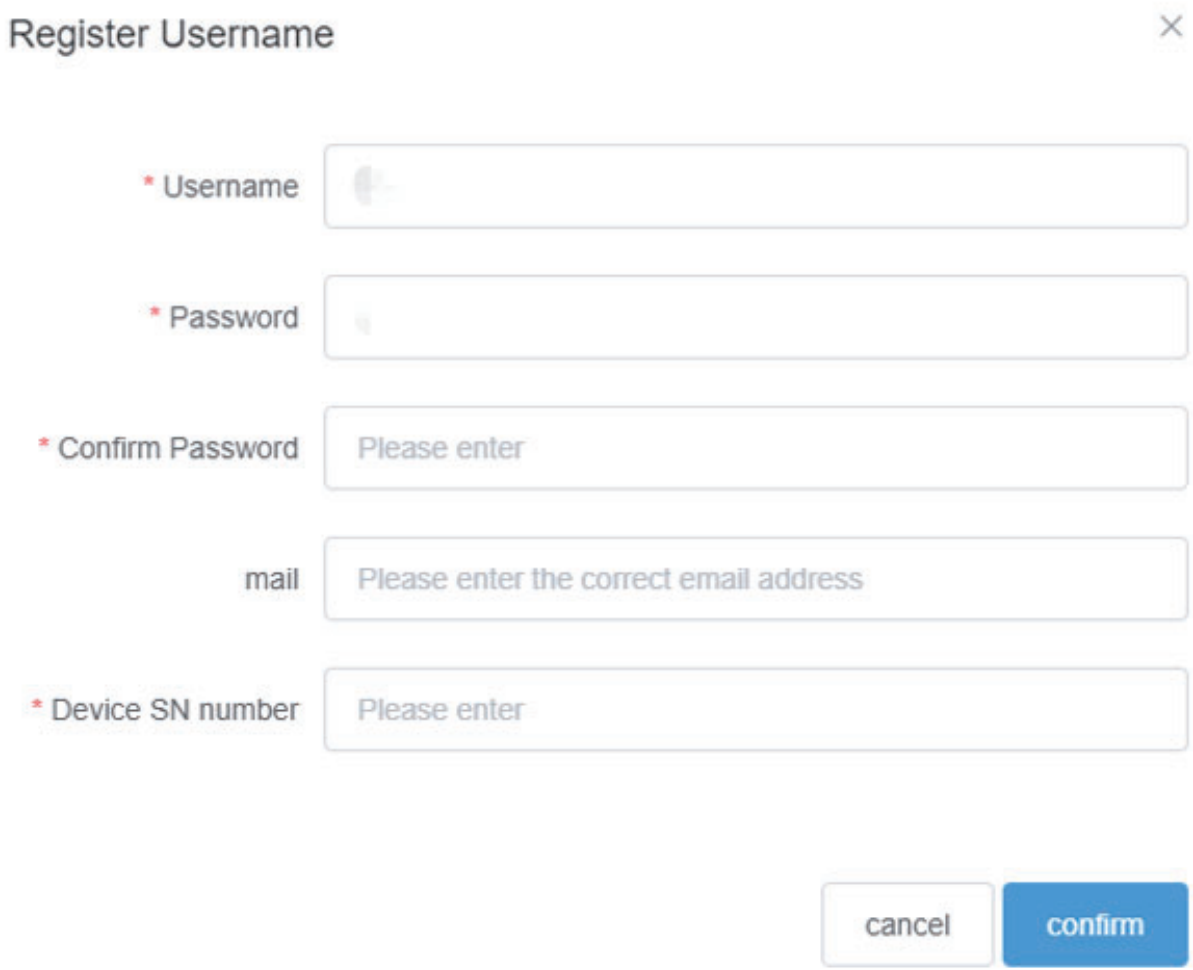
## 1.2. Open CMS website on the PC

CMS website is: **https://op2us.aihmong.com**



## 1.3. Register CMS account

Click “register”



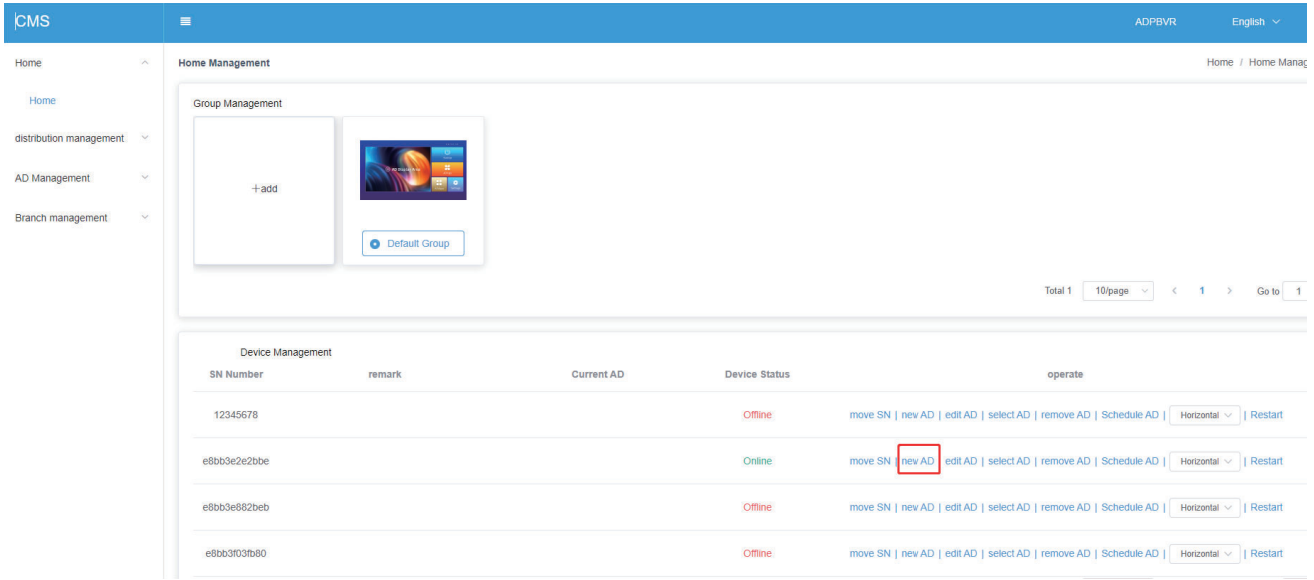

* Input your username, password, confirm password, and input device SN number, then confirm.

* The email is for reset password in case you forget in the future. You can input or not.

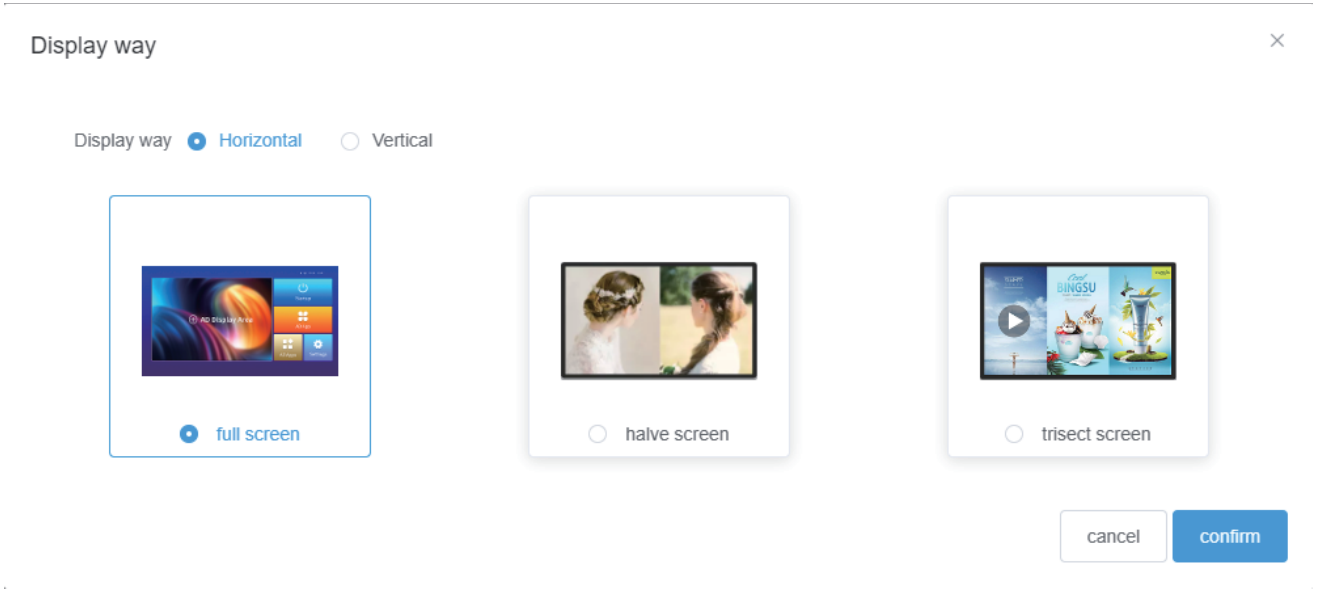
* When you register successfully and login, you can change password in the upper right corner.

# 1.4. One-Key Publish AD

## 1.4.1. Click “new AD” for the SN number in home page




## 1.4.2. Select display way and template

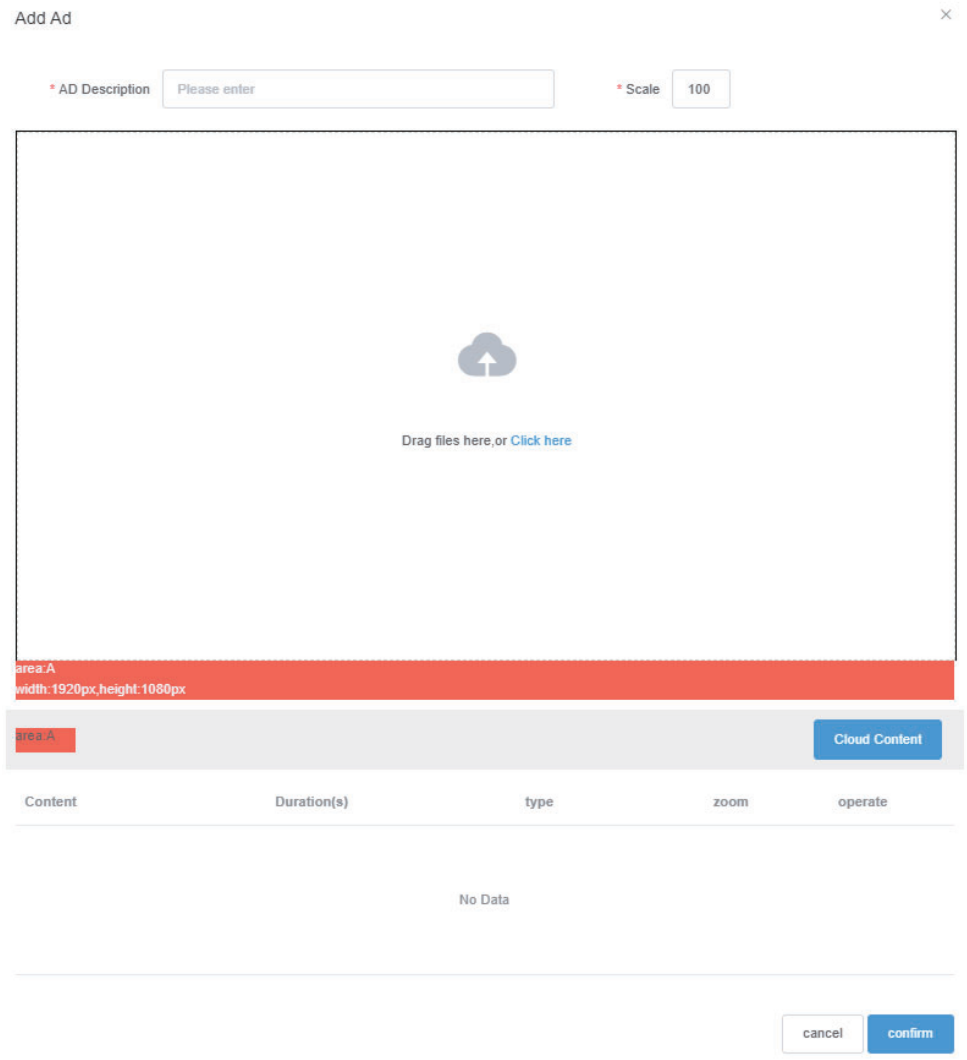


## 1.4.3. Upload AD content

① Input AD name.

② Click the cloud icon to upload AD content, pictures or videos.

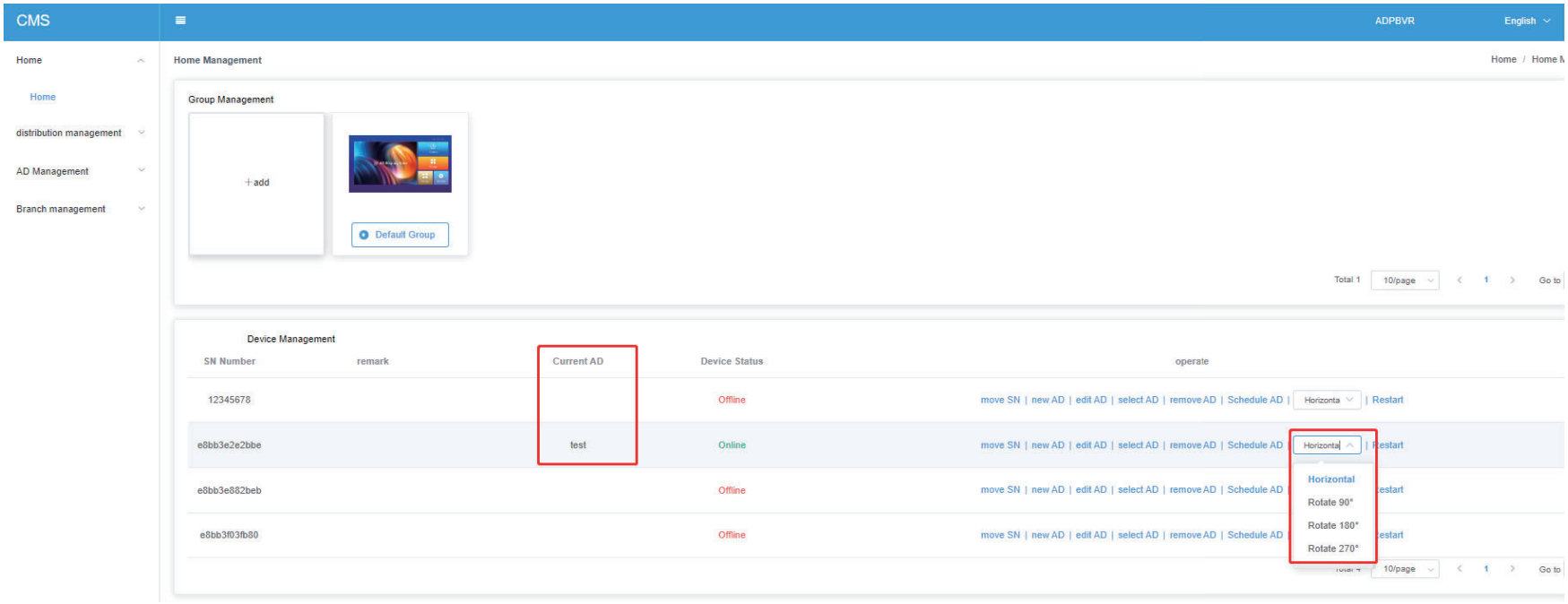
③ Click “confirm” , then you publish AD successfully.



## 1.4.4. Choose correct AD direction

① When AD published successfully, it will show AD name in “current AD” list.

② Click the drop menu to rotate the correct AD direction freely.



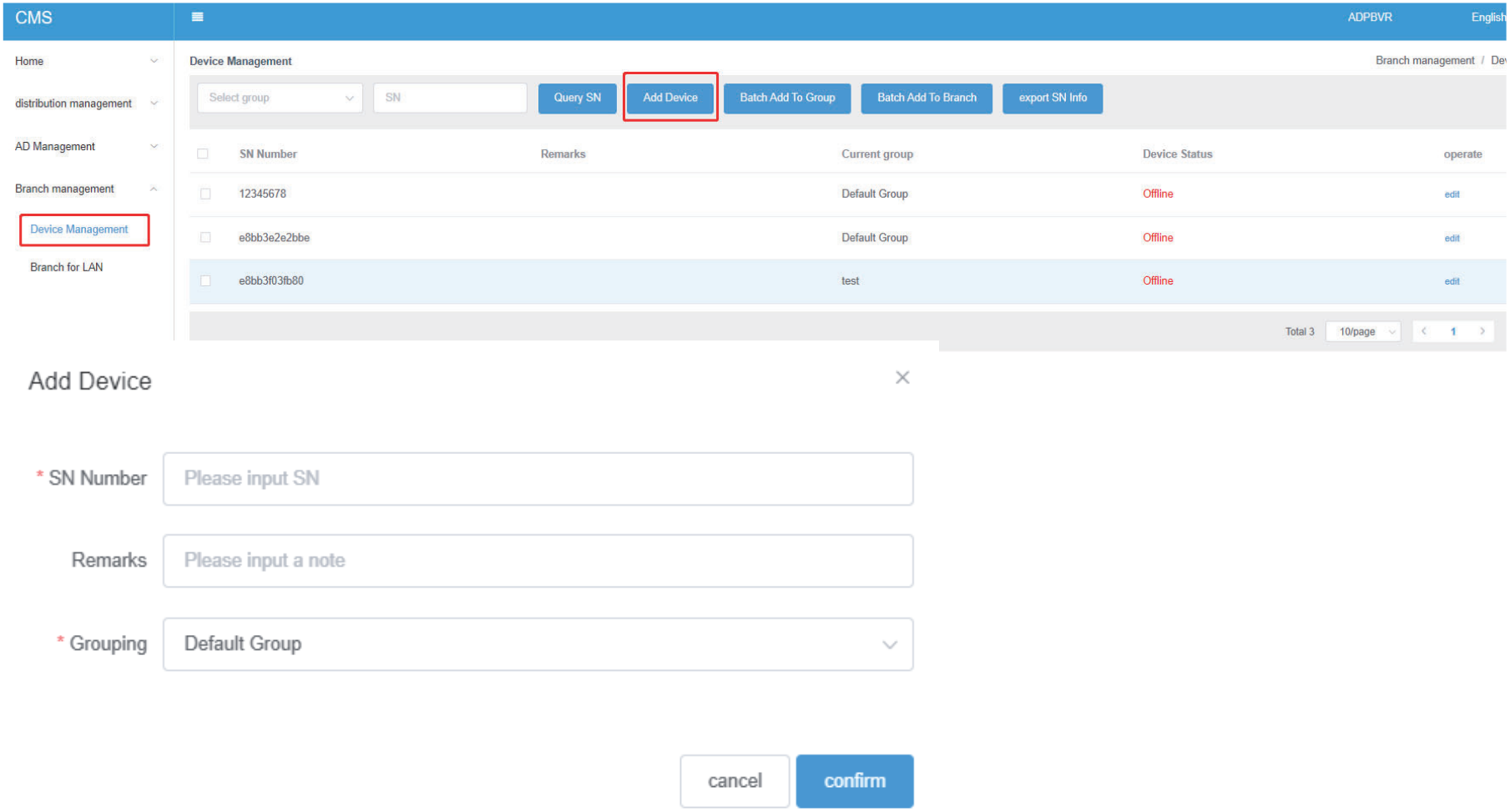
# 2. CMS Other Main Functions Guide

## 2.1. How to manage multiple devices?

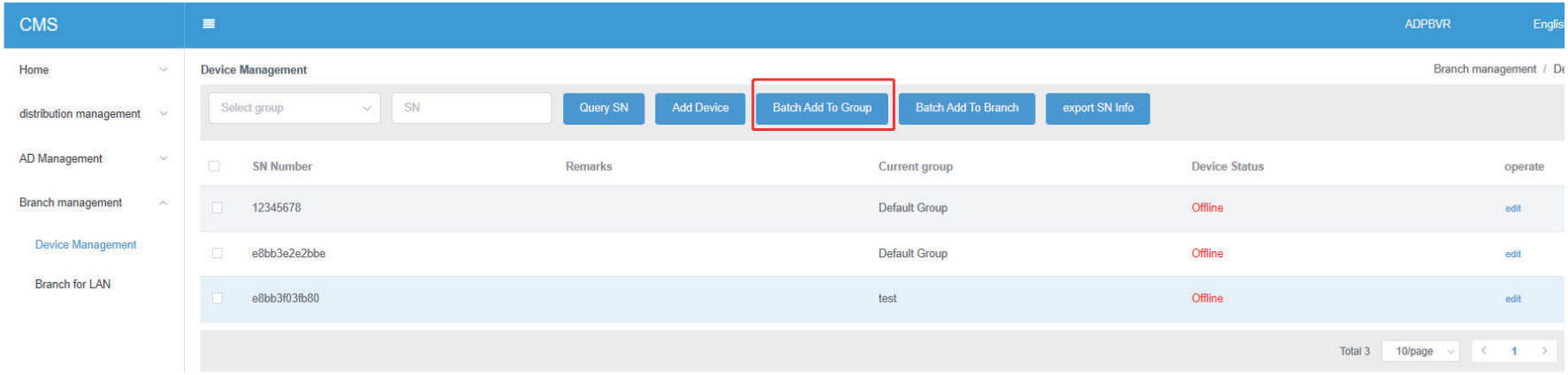
Every device is with different SN number, stick on the device. We use SN number to manage devices.

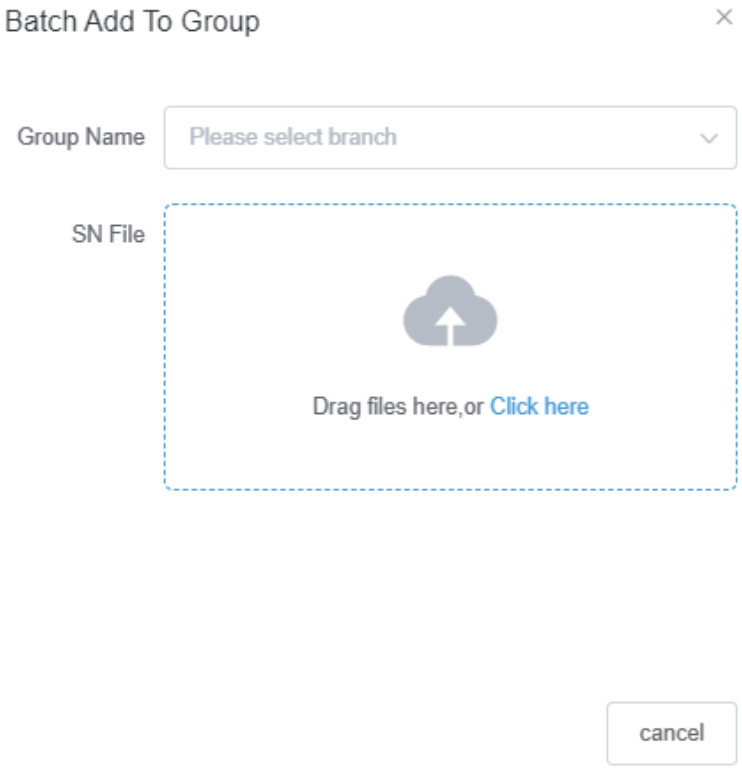
If you buy 2+ pcs devices, you use 1pc box SN number to register username and password to login CMS account. Then please add other devices SN number into the same CMS account, so that you can manage all of them together.

① Click “Branch Management” --- “Device management” --- “Add device” to add one by one.



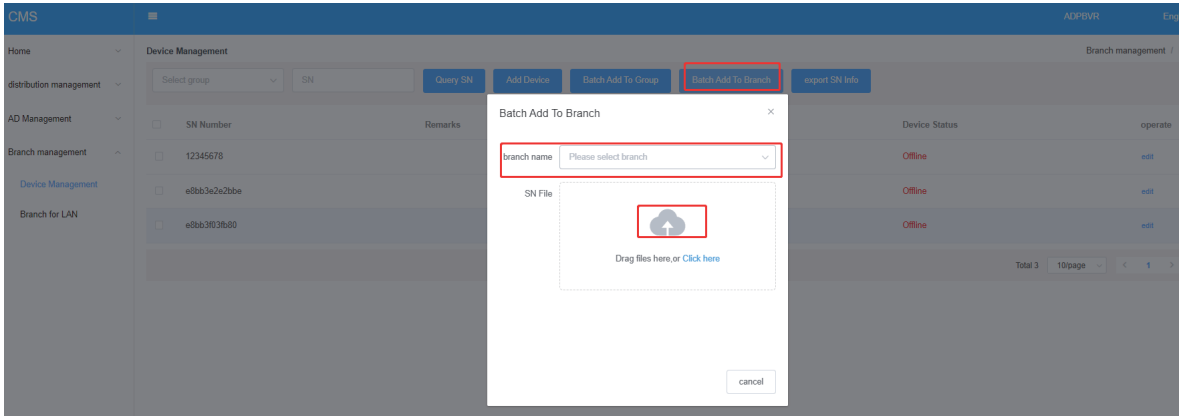
② Click “Branch Management” --- “Device management” --- “Batch add to Group”, to batch add.



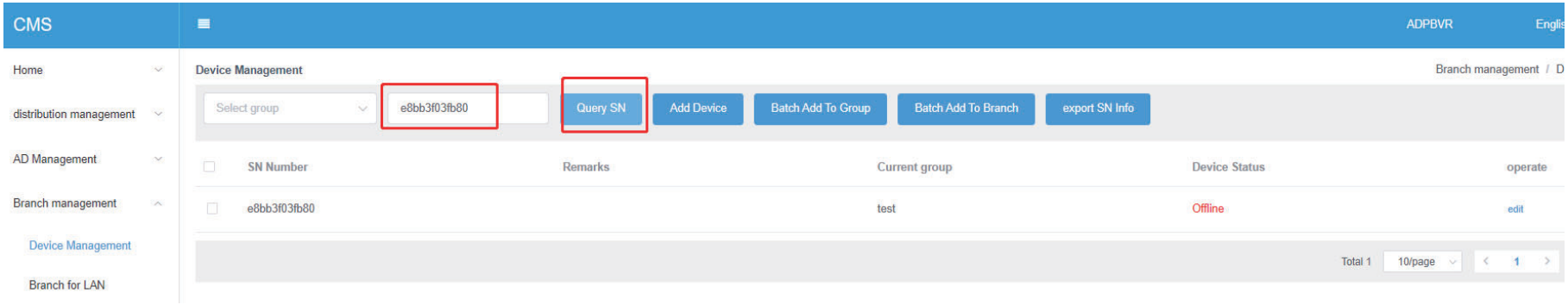




Please input all SN numbers in a txt file, and “batch add to group”, choose the group, and upload the txt file directly.

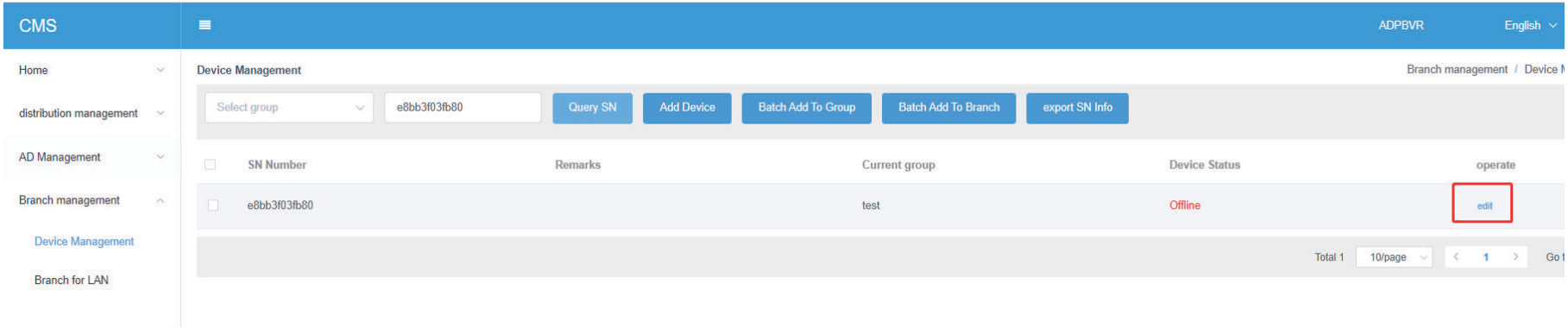
③ If you want to add SN numbers to your distribution branch, please click “Batch Add to Branch”, choose the branch, and upload the txt file directly.




④ If you’d like to locating a SN number, you can input the SN number and “quary SN” to find it.




⑤ Click“edit” can add remark for the SN.



## 2.2. Group Management

Group management is in the home page. For customers to manage multi devices separately. The default group is exist, can't delete. All SN numbers are in default group at the beginning. You can add new group to separate devices.

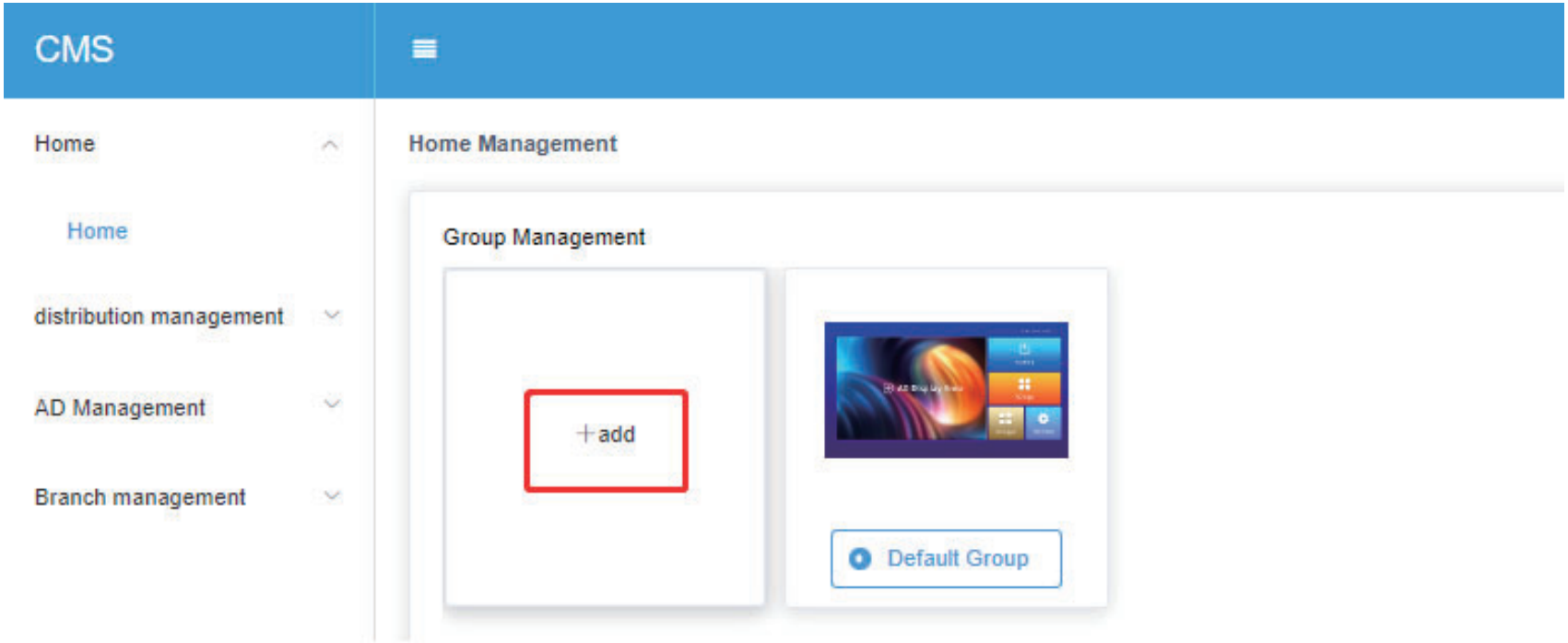
① Normally we put the devices which need play the same AD into the same group.

② Different screen direction, different group. For example, horizontal group, vertical group, etc.

③ Different locations different group. For example, shop1, shop2, shop3, etc.

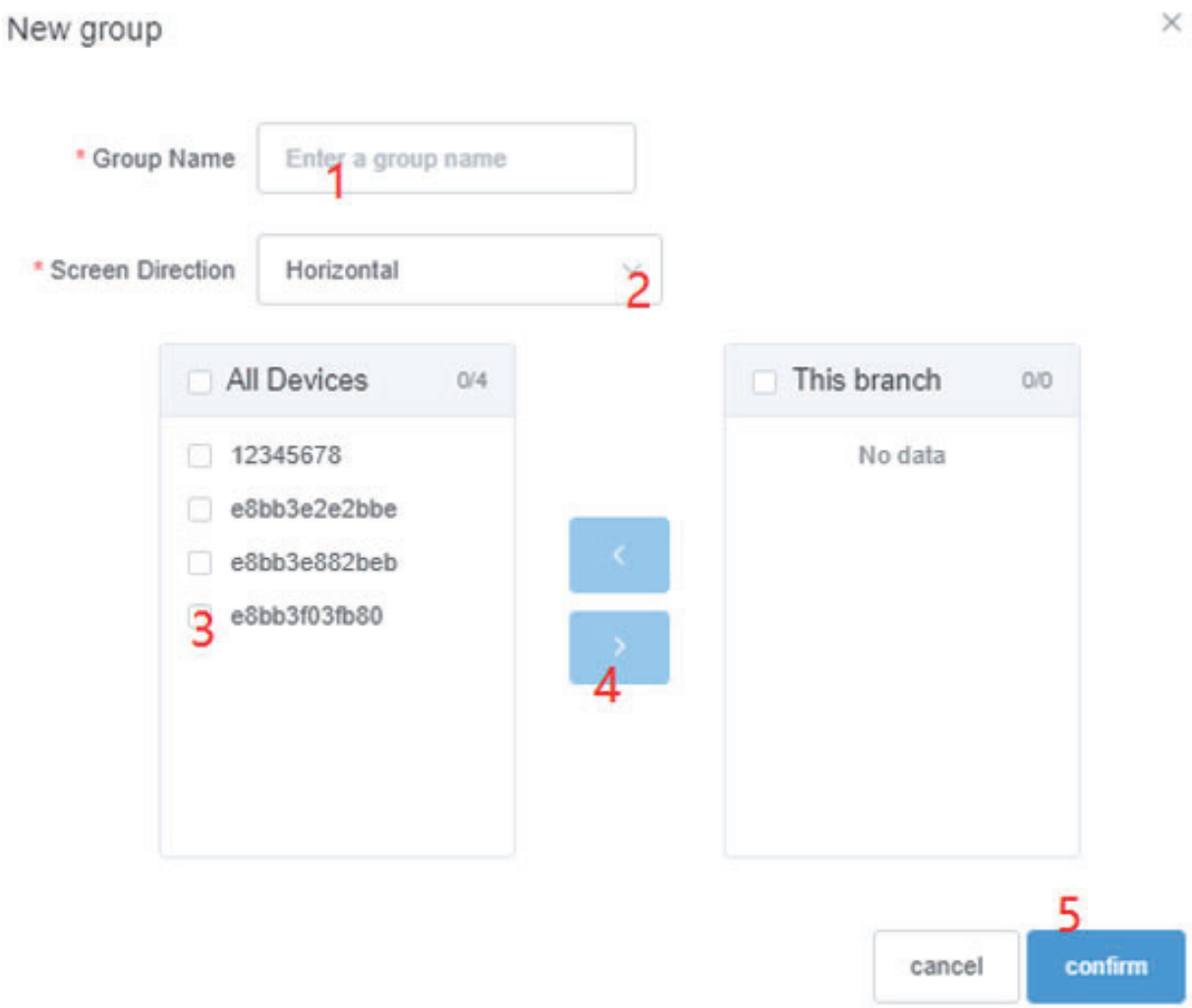
### 2.2.1. Add New Group

① Click "add"

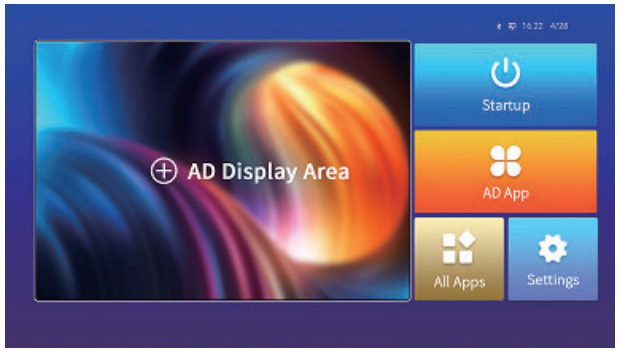


② Input group name/ choose screen direction / select device SN number & move to right / confirm

Please choose correct screen direction here, so that you can publish correct AD later. E.g.
If you choose horizontal direction, you can't publish vertical AD; if you choose vertical direction, you can't publish horizontal AD.

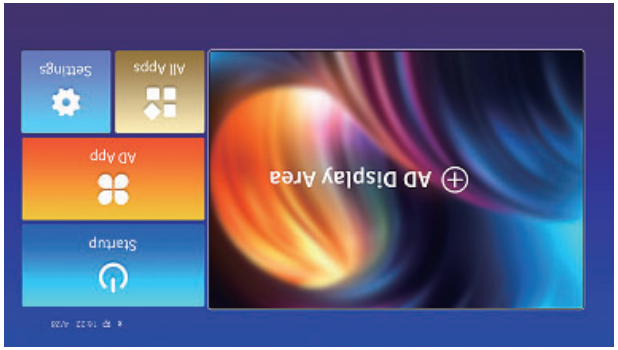


Screen direction display show:




Horizontal

90° vertical

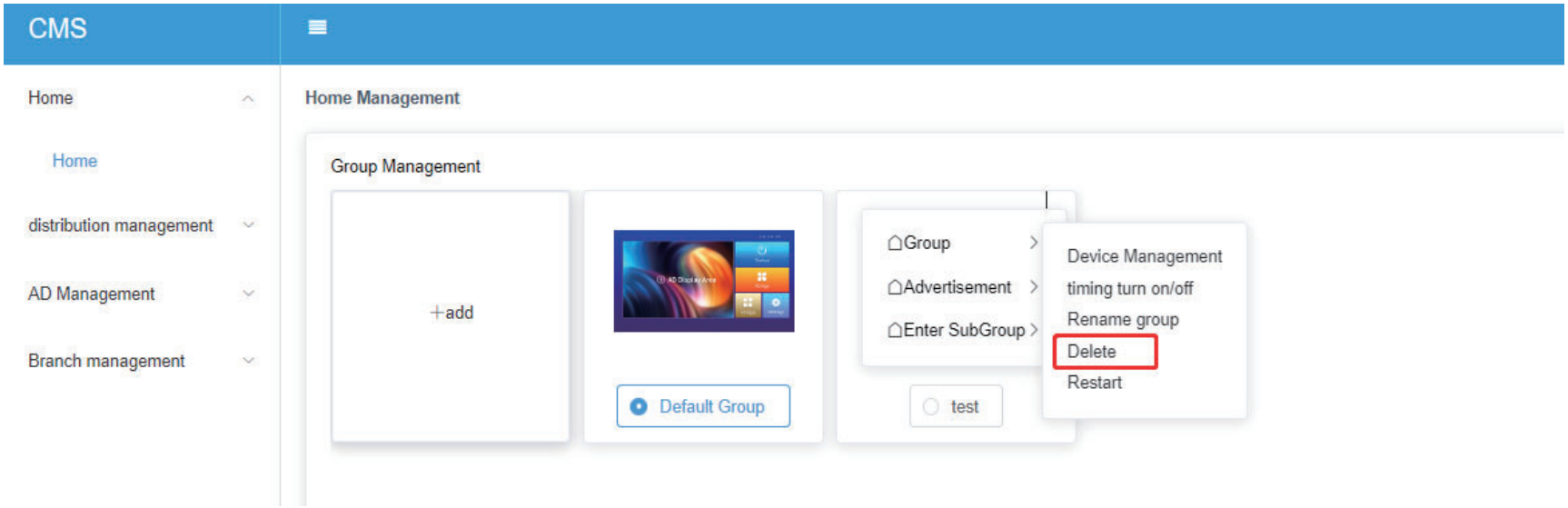



180° horizontal

270° vertical

### 2.2.2. Delete Group

Put mouse to the group icon, there's a drop menu come out, click "Group" --- "Delete", can delete the group directly. When the group is  deleted, all the devices in this group will come back to "default group" autoly. Default Group can't be deleted.




### 2.2.3. Timing On/Off

This button helps you set time to turn on or turn off all devices in the group autoly.

### 2.2.4. Rename group

This button helps you change a new group name.

### 2.2.5. Restart

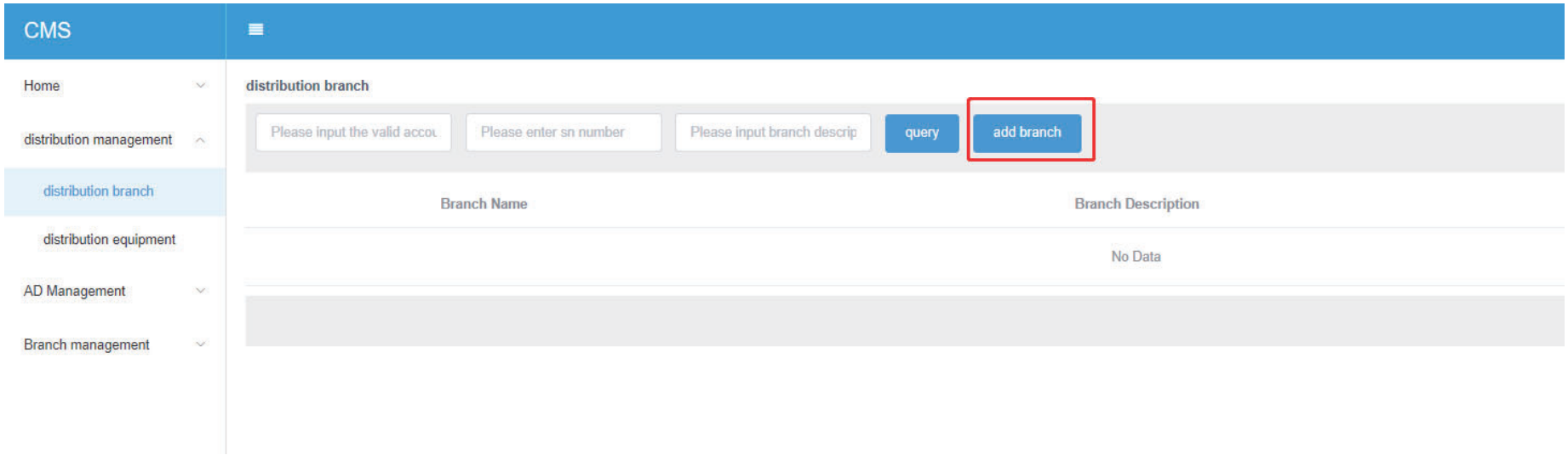
This button helps you to restart all devices in the group remotely.
(If you just want restart one device, please find the device SN number in the list below, and click "restart" there for one SN number only.)

## 2.3. Group Management

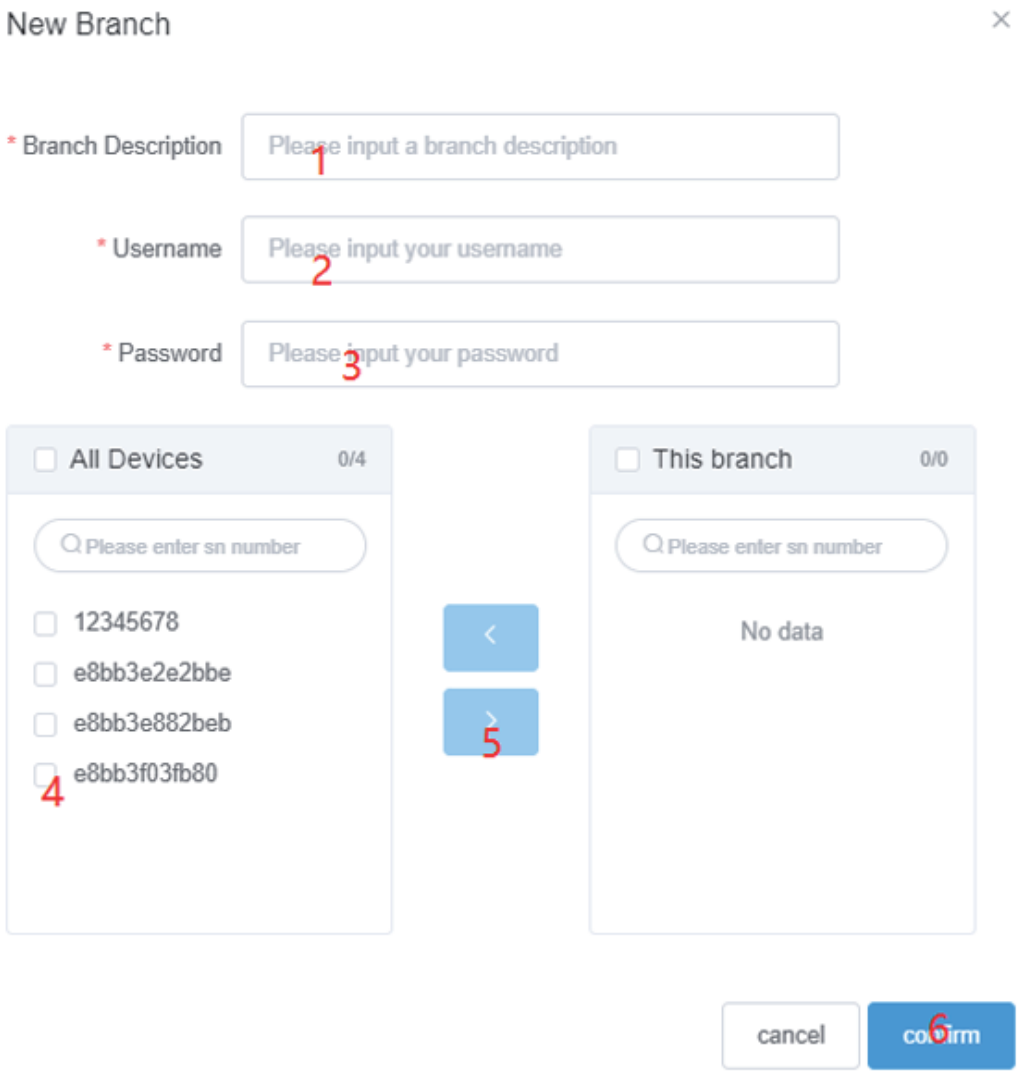
Distribution management for customer to resell devices to his distributors, create new sub branch, set username & password, and dispatch devices for distributors.
Note: In this case, your main CMS account can't publish or manage any AD for distributors' devices anymore. Need login distributor's CMS account to publish or manage AD.

### 2.3.1. Create new sub branch

Click "distribution management" --- "distribution branch" --- "Add branch"




It will come out a page like this.




① Input branch name, can be customer's name, or customer's number, etc.

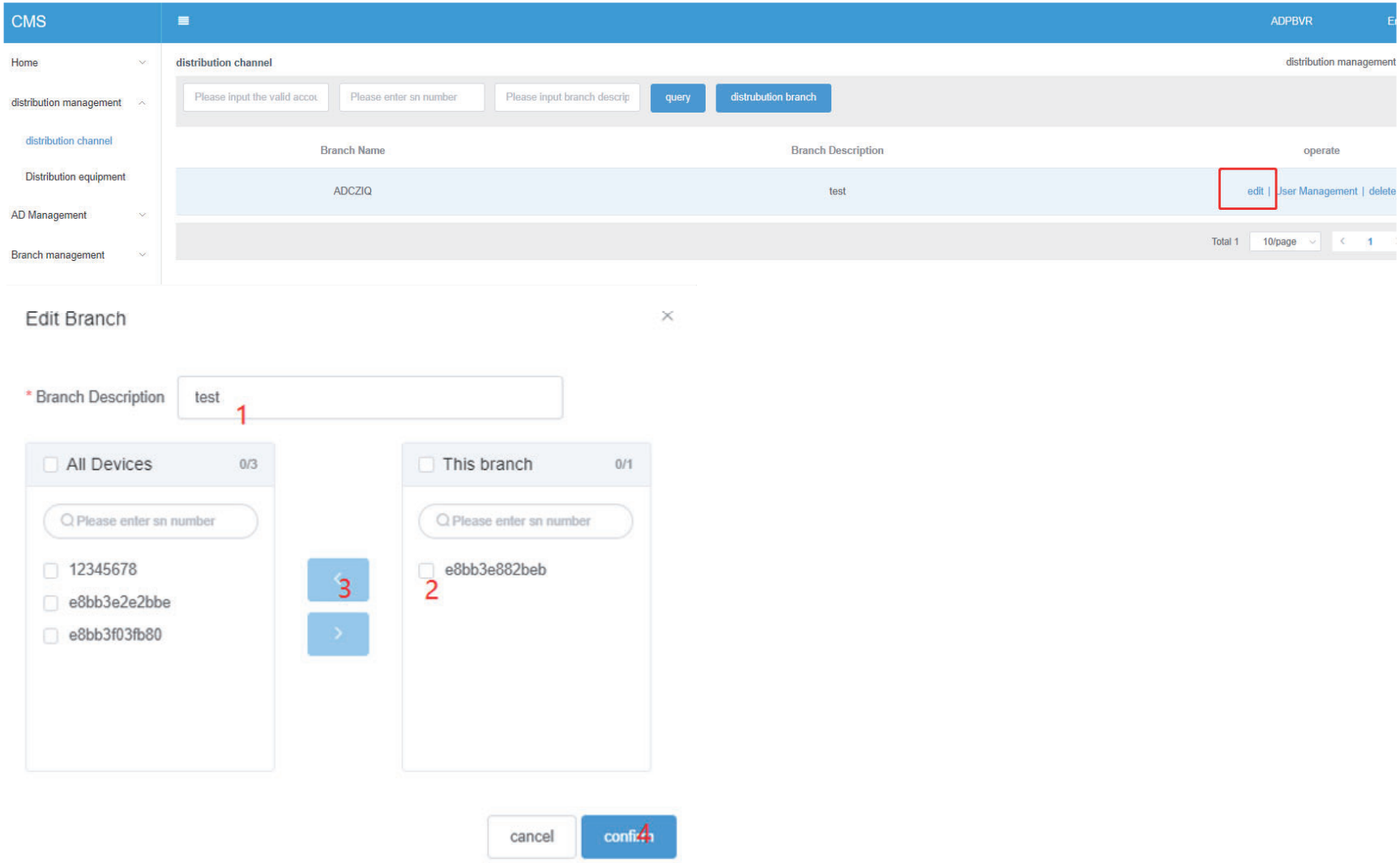
② Input username and password. (username & password will be told to customer to login)

③ Select the correct device SN number, and move it to the right.

④ Confirm.

## 2.3.2. Edit Distribution Branch

Click “Distribution branch” --- “edit”



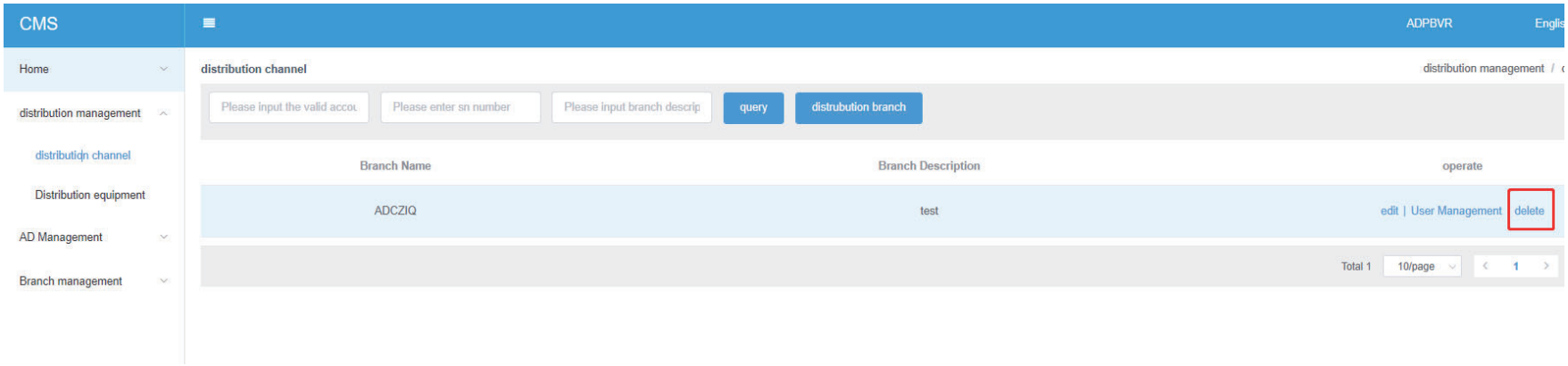

① Can change branch name.

② Can dispatch more devices into distribution branch.

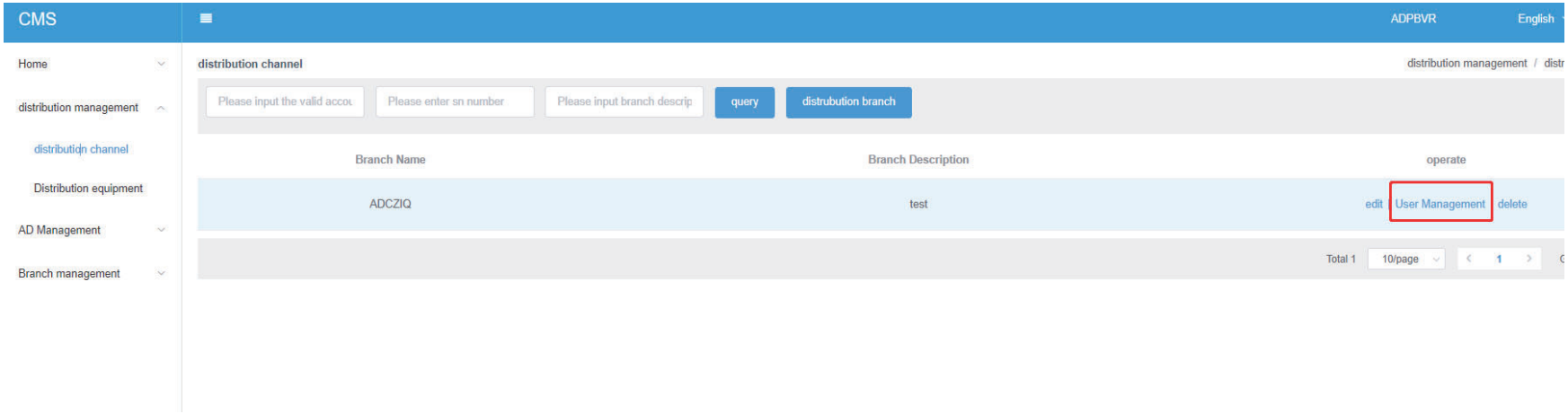
③ Can get back the devices from distribution branch to your main account.

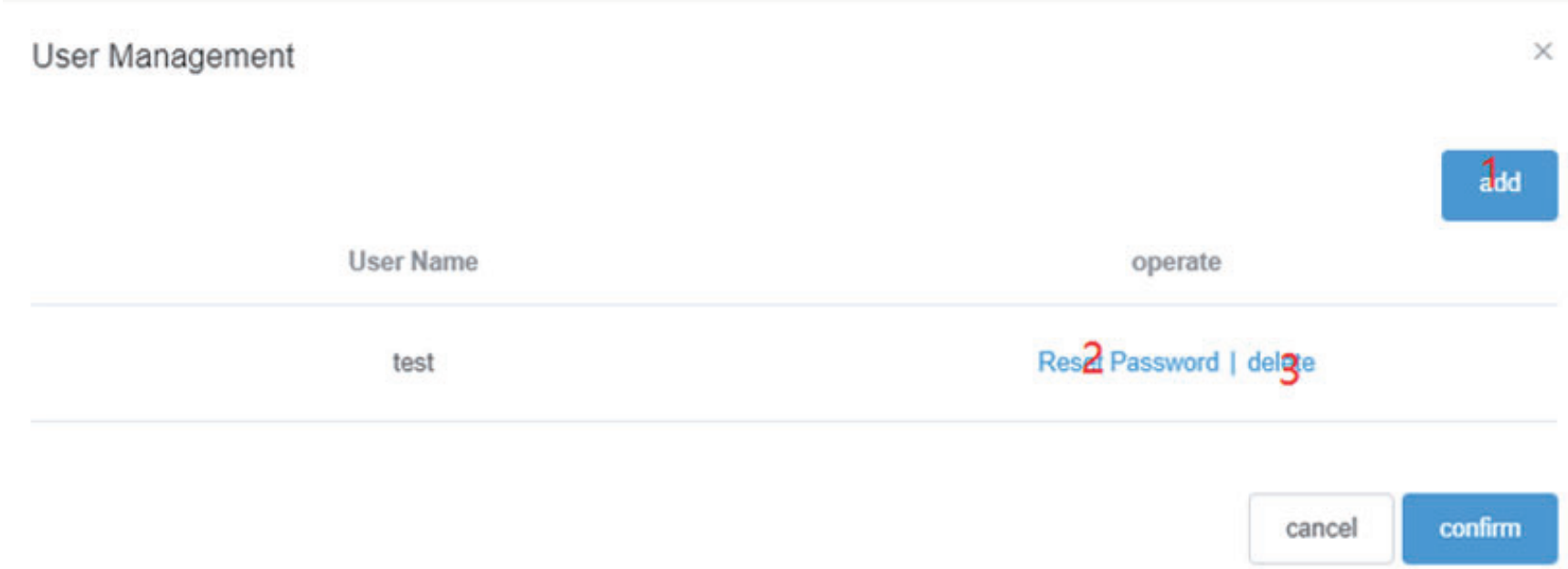
## 2.3.3. Delete Branch

Click “Distribution branch” --- “delete”, can delete the branch.
When branch is deleted, it can’t be recovered, and all devices in this branch will come back to your main account.




## 2.3.4. User Management






① “add” for add new username and password for distributor.

② “Reset Password” for reset new password for current username.

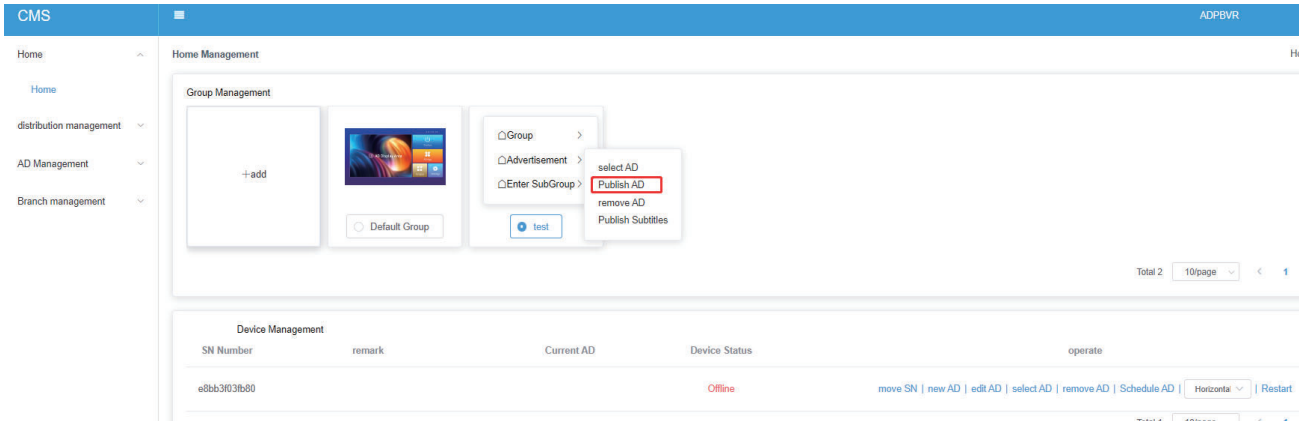
③ “delete” for delete the username & password. (If there’s only one username & password for the branch, and you delete it, that means you can’t login anymore, so normally don’t delete it.)

## 2.4. How to batch publish AD to all devices in the group?

Please make sure you didn't set any AD to the device SN number directly, if you set, please remove the device AD first before set group AD.

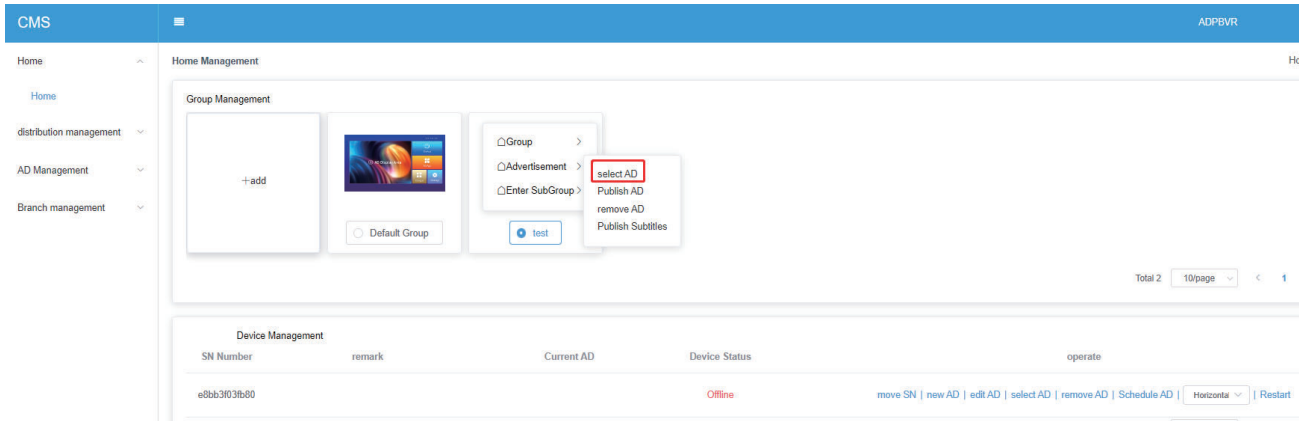
### 2.4.1.Way 1

Select a group in home page, move mouse to the group icon, click "Advertisement" --- "Publish AD" to create a new AD and publish directly.



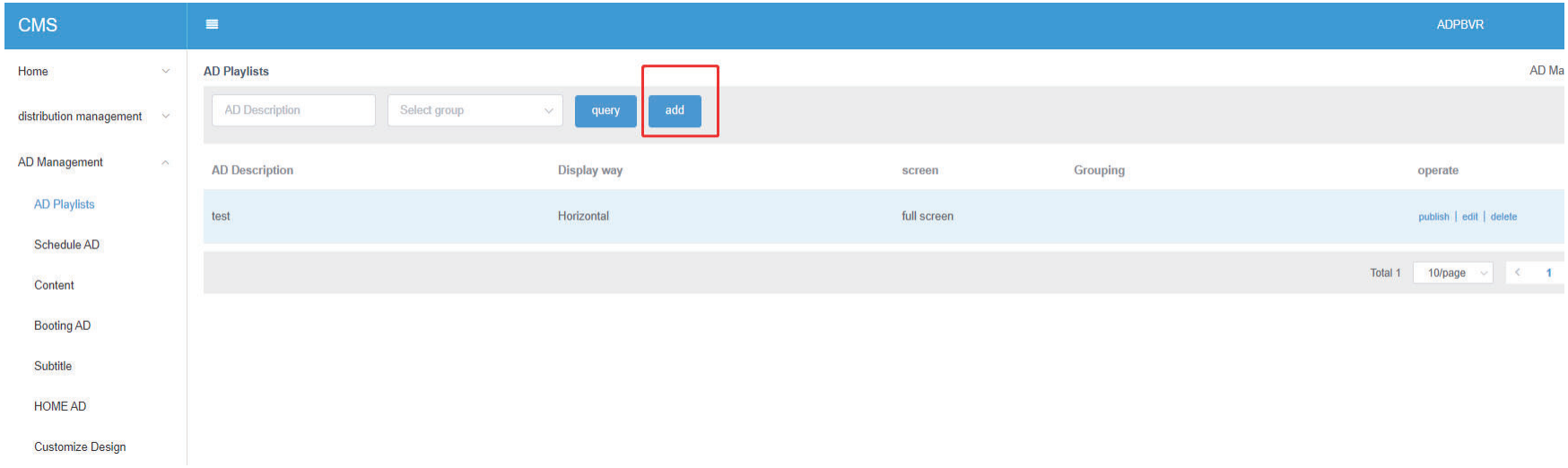

### 2.4.2. Way 2

Select a group in home page, move mouse to the group icon, click "Advertisement" --- "Select AD" to choose an old AD and publish directly.

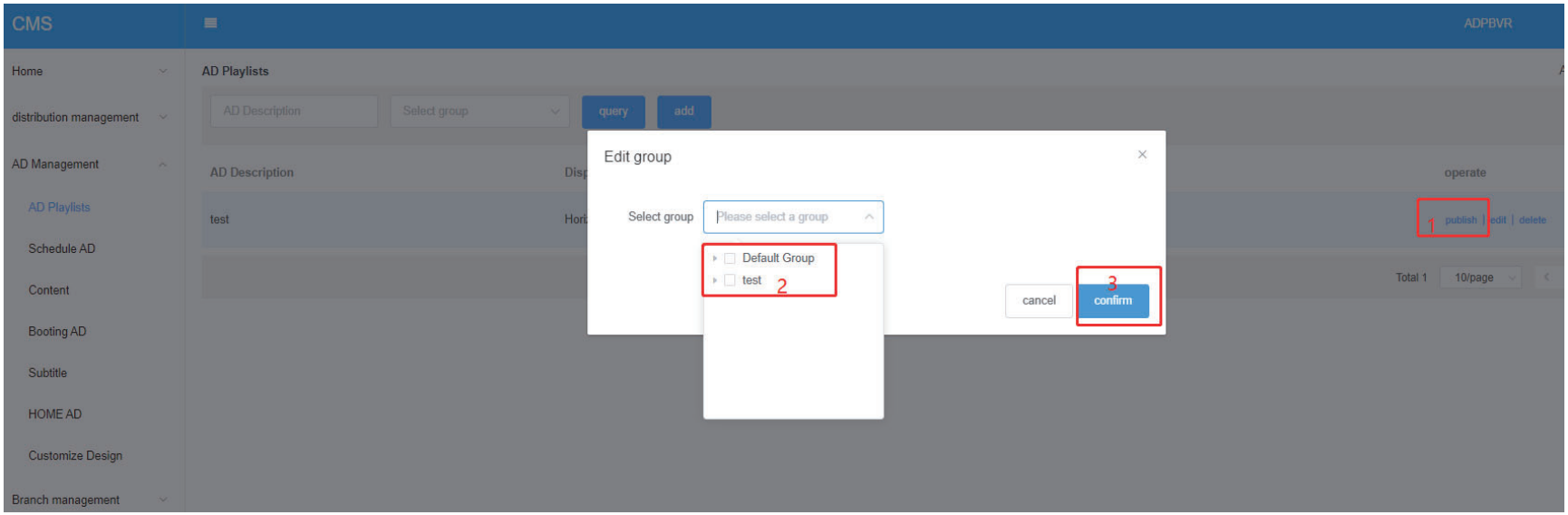


## 2.4.3. Way 3

① Click “AD management” --- “AD playlists” --- “add” to create a new AD play list



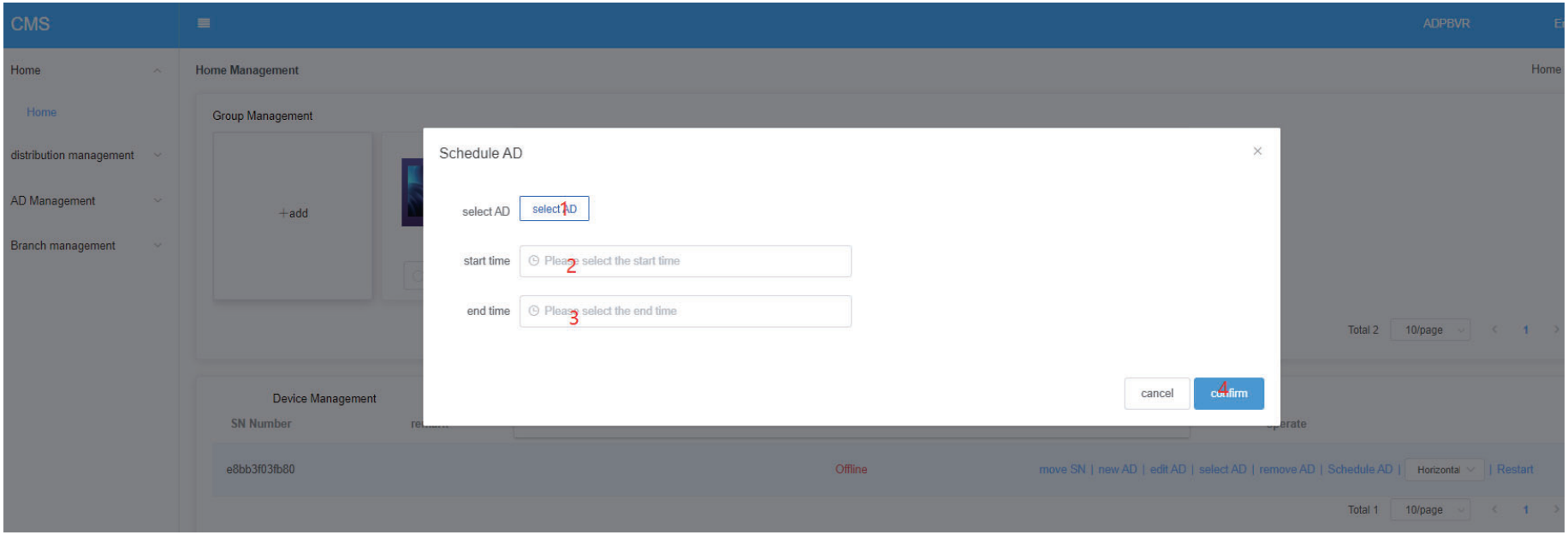

② In “AD Playlists” list, select an AD, click “publish”, choose a group and confirm.



# 2.5. How to set schedule AD?

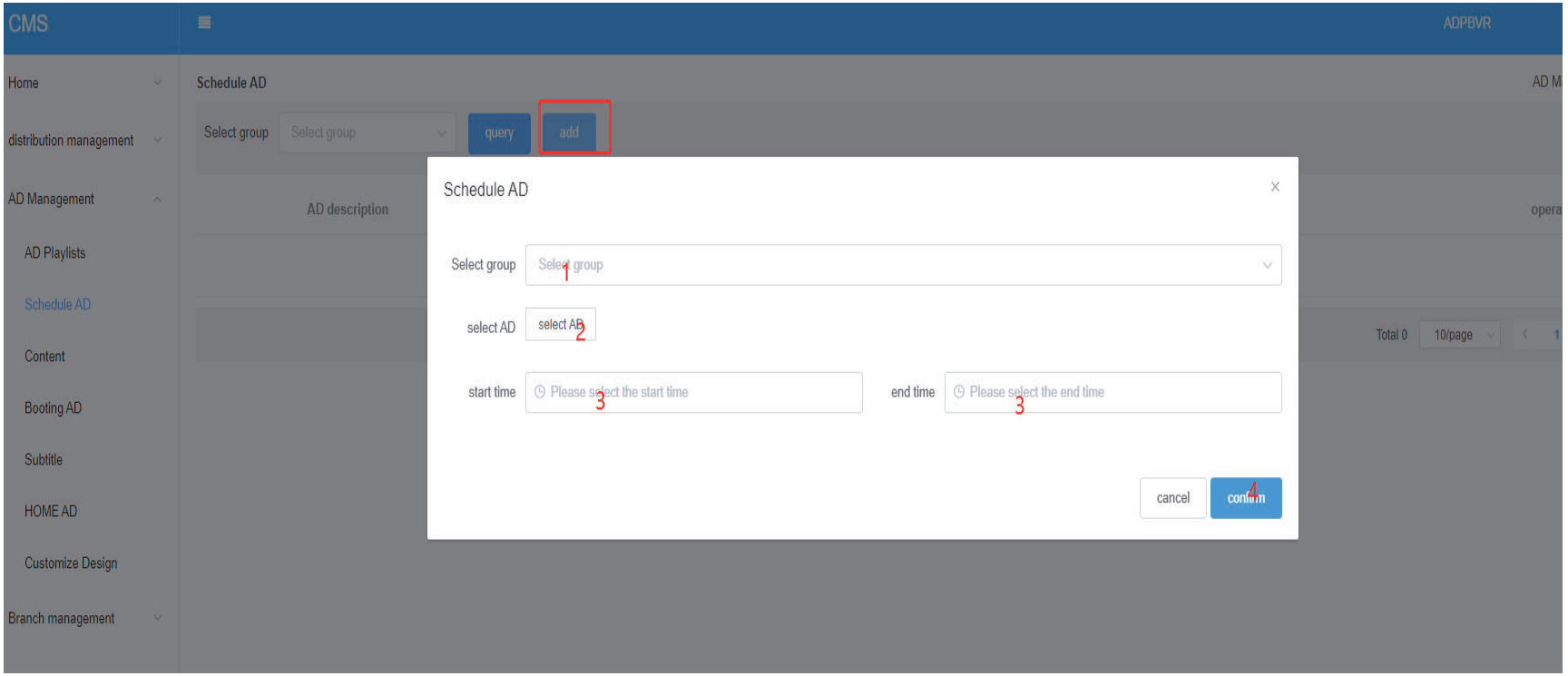
## 2.5.1. Set schedule AD for one device directly

① find the device SN number in home page, click “new AD” to create new AD for it, repeat and create several ADs. E.g. :AD1 / AD2 / AD3 / AD4.
② Click “select AD”, choose one AD as the main AD, E.g.: AD1 as the main AD
③ Click “schedule AD”, select an AD and set time for it, then confirm. (end time should be later than start time, and time for different AD can’t be overlap.)
④ Check your device time is correct or not, click “settings” to set correct time zone for the device.



## 2.5.2. Set schedule AD for all devices in a group

① Choose a group in home page, click “publish AD”, repeat to publish several ADs for the group. Or click “AD management” --- “AD playlists” --- “add” to create several ADs.
② Click “AD management” --- “AD playlists”, choose an AD, click “publish”, choose this AD as the main AD.
③ Click “AD management” --- “schedule AD” --- “add”




Select a group / select an AD / set start time & end time / confirm.
Repeat to set different time for different AD.
Check all devices are in correct time zone.

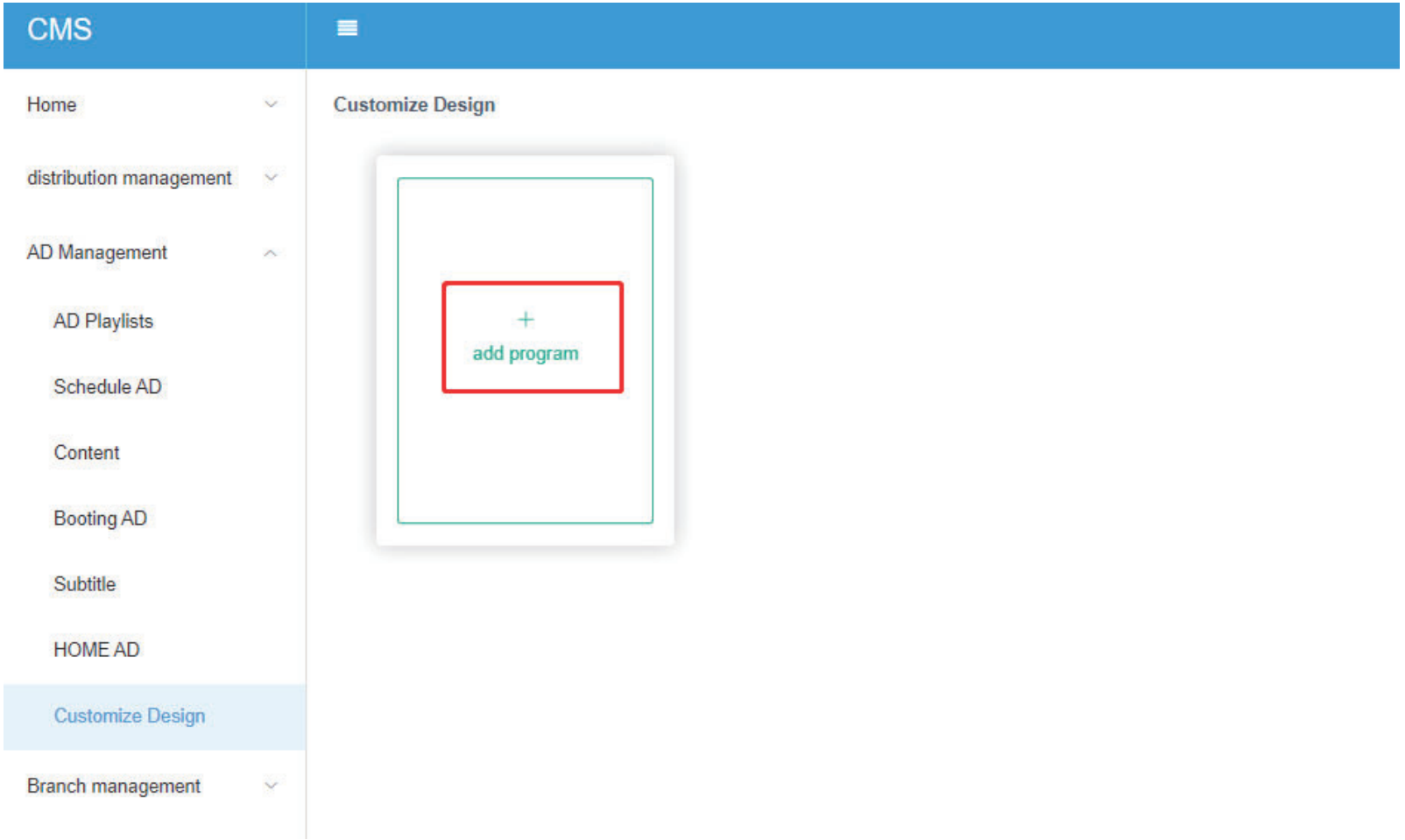
## 2.6. How to customize design AD?

Note: ① customize design AD is constructed by web tool quark-h5, obey to its normalization.

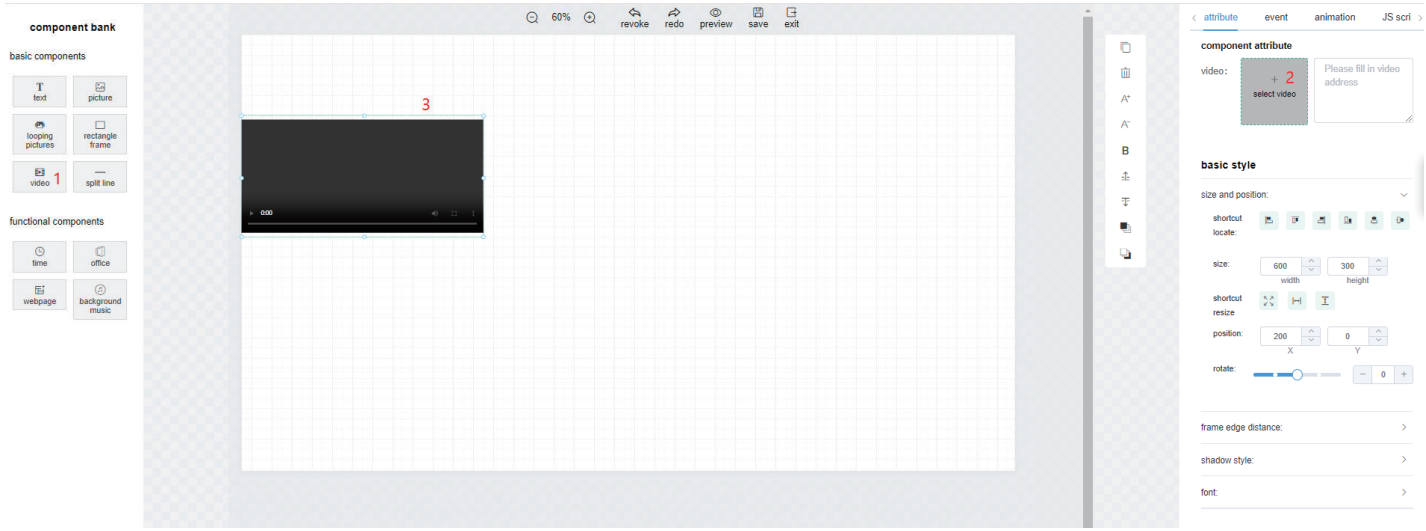
② demo video of “customize design AD” is in CMS website help page:

https://op2us.aihmong.com/#help

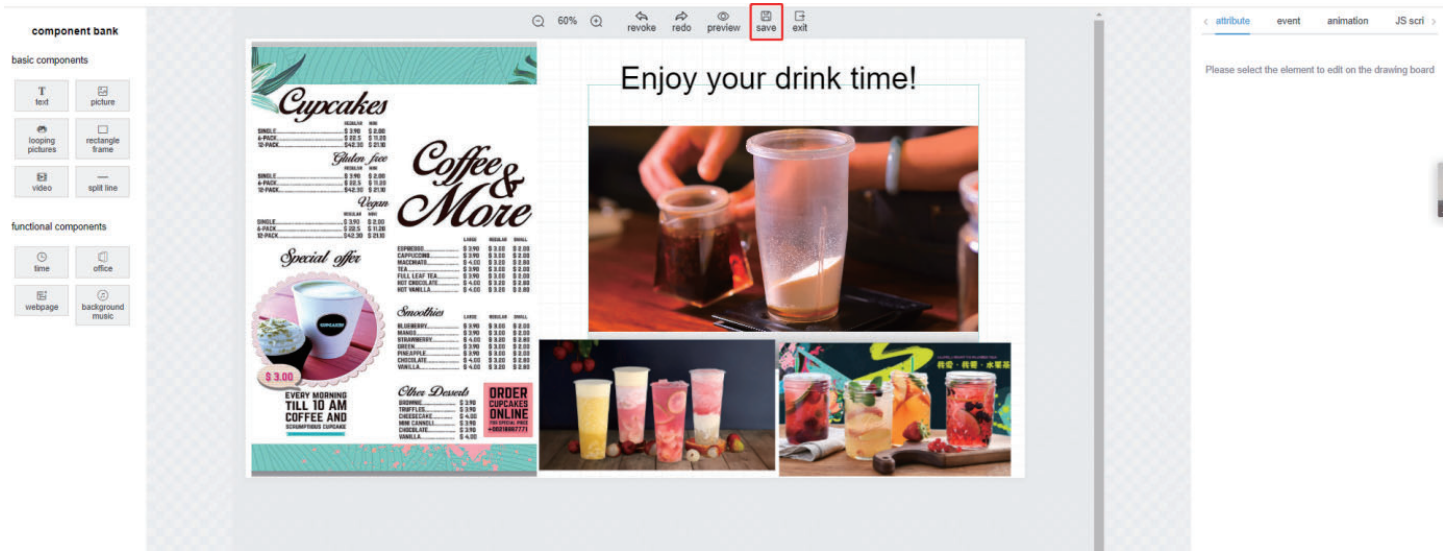
① Click “AD management” --- “customize design” --- “add program”



② choose “video” or “picture” or “date” or “time” or “text” or others on the left, and select the content on the right, it will come out in the center. You can move it freely and change the size freely.




③ When completed design, click “save”---”save & publish”, input a title and “save & publish” again. Then you can see the file is in “customize design” file list.



Enjoy your drink time!







save or publish

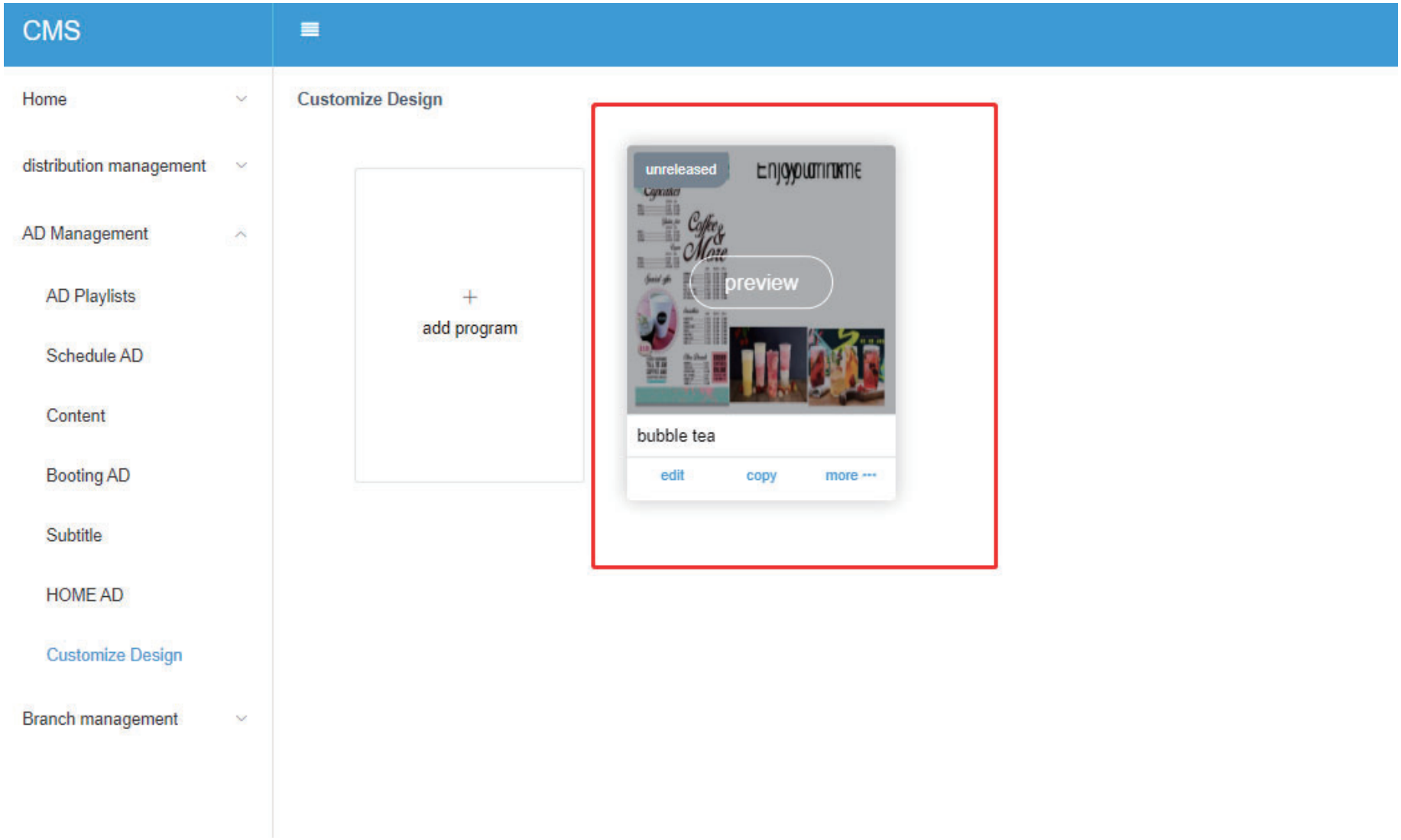
Enjoy your drink time!

save information

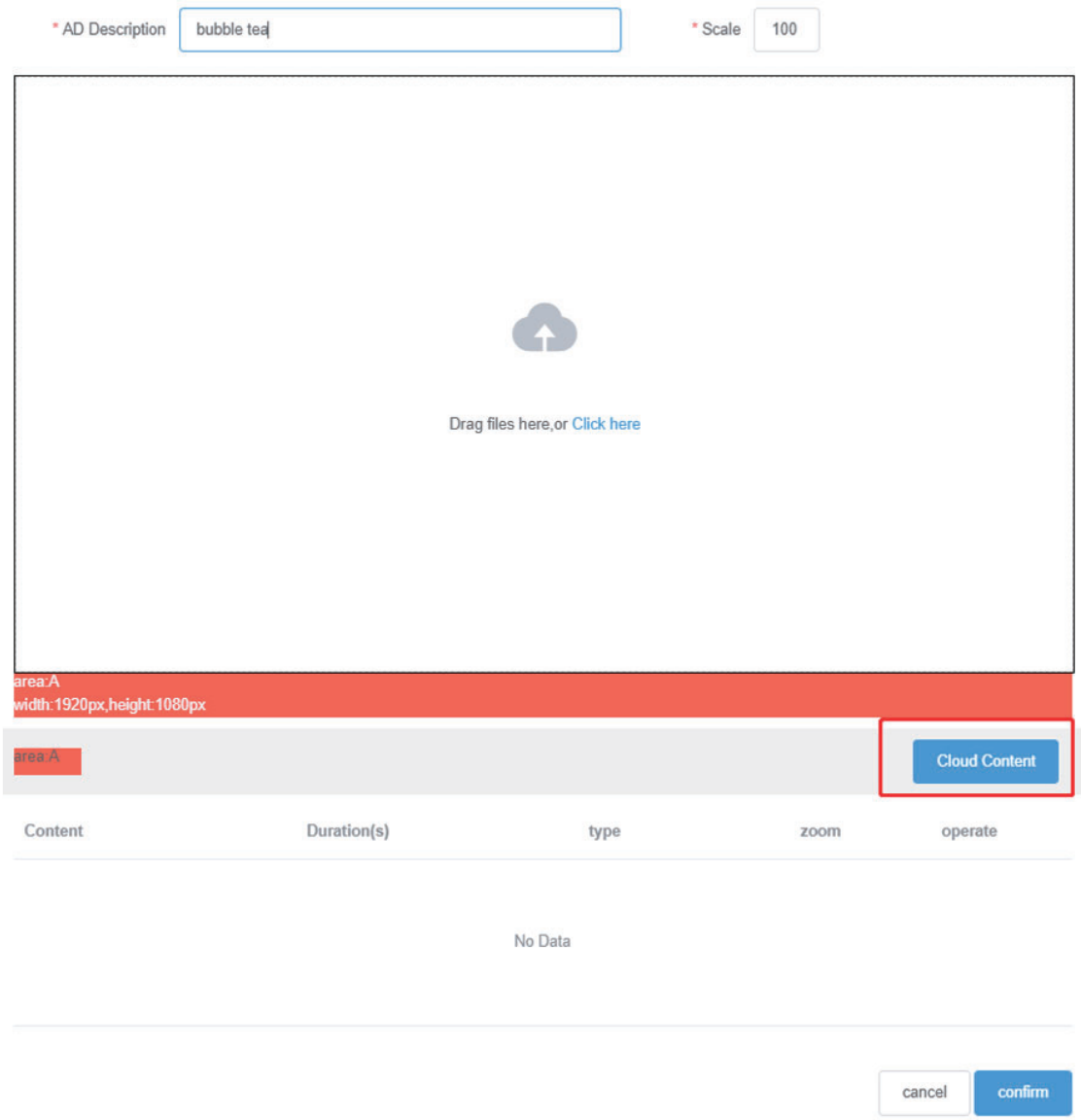
title: unnamed program

AD description:

save and publish | save draft | cancel


CMS
Home
distribution management
AD Management
AD Playlists
Schedule AD
Content
Booting AD
Subtitle
HOME AD
Customize Design
Branch management
Customize Design
add program
unreleased
preview
bubble tea
edit
copy
more

④ go back to home page, select a SN number and click “new AD”, choose “full screen” template, choose the file from “cloud content” ---”URL”, then confirm.
(Customize design AD only can be published in “full screen” template.)



select ad resource

picture video URL file

bubble tea

website

Total 2 10/page 1 Go to 1

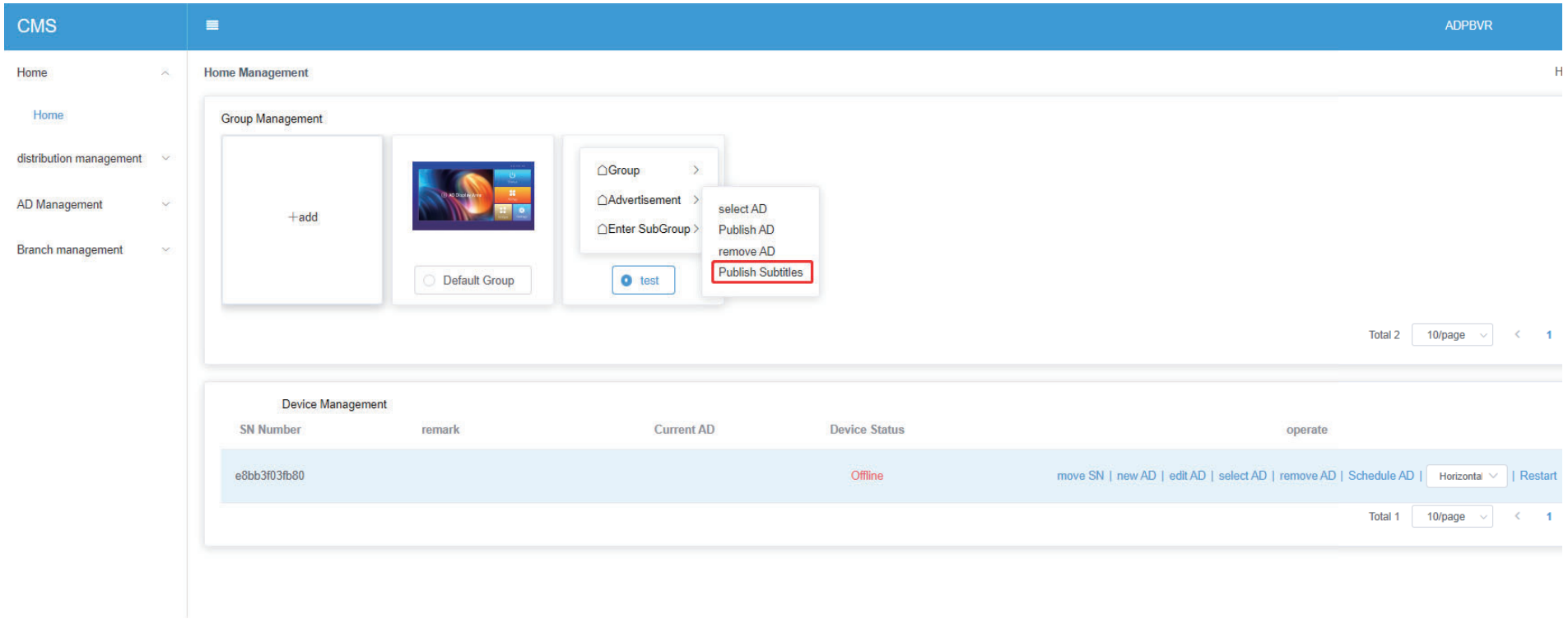
cancel confirm

## 2.7. How to publish subtitle?

Subtitle only can be published for the group, but can’t for SN number separately.

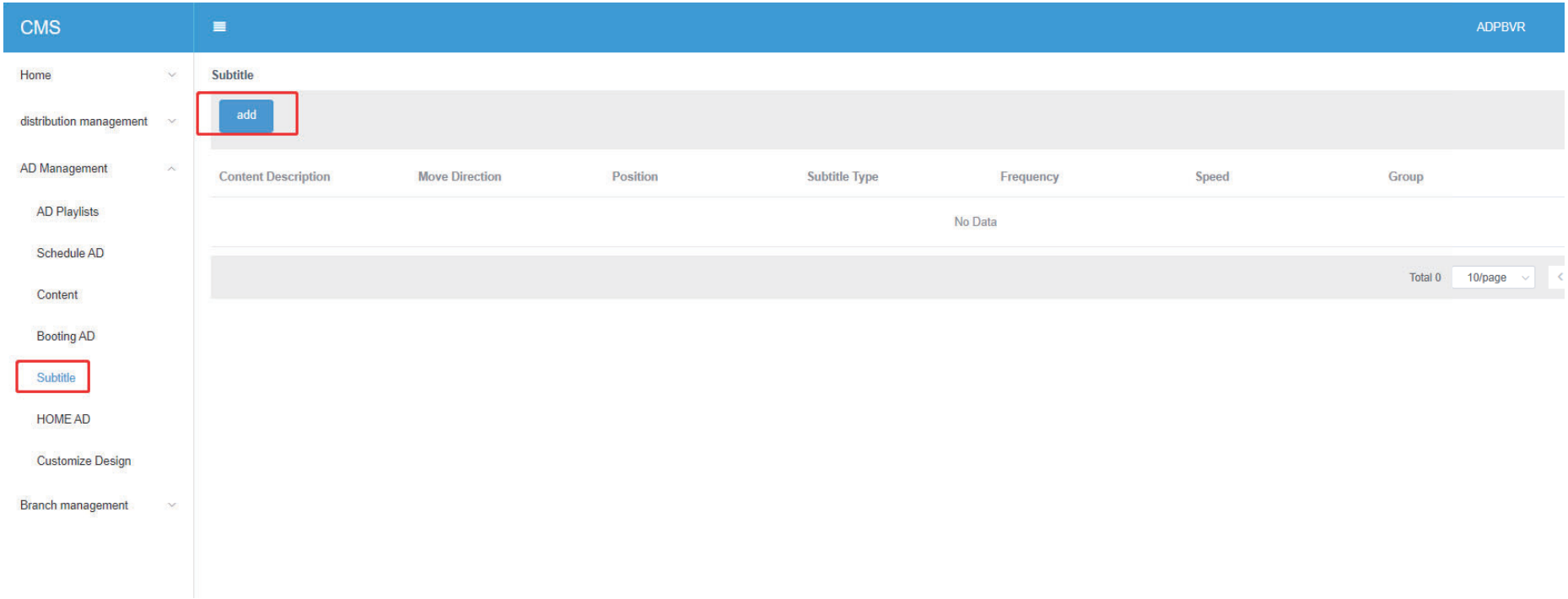
### 2.7.1 Way 1

In home page, choose a group, click “Advertisement” --- “Publish Subtitles”

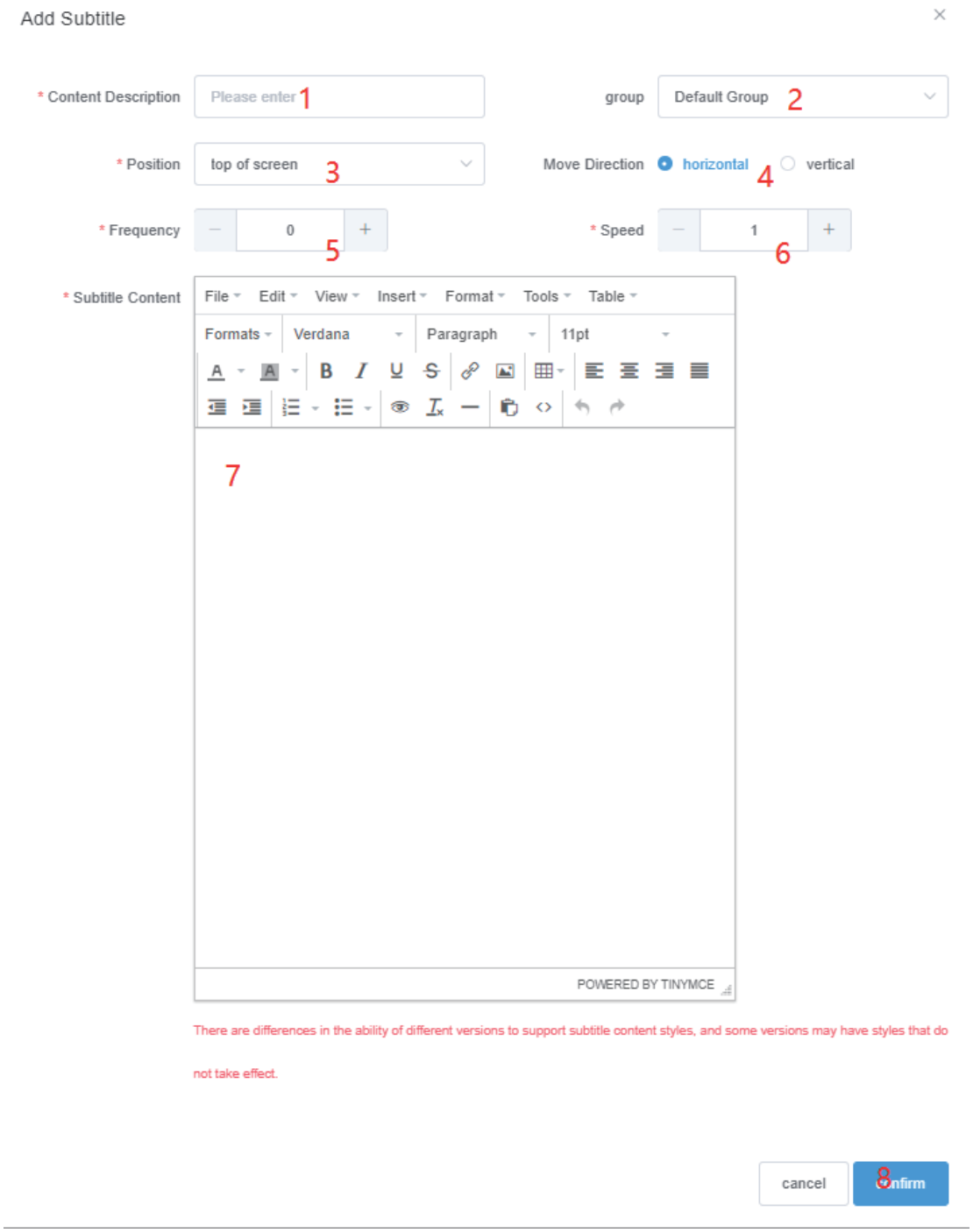


## 2.7.2 Way 2

Click “AD management” --- “substile” --- “add”



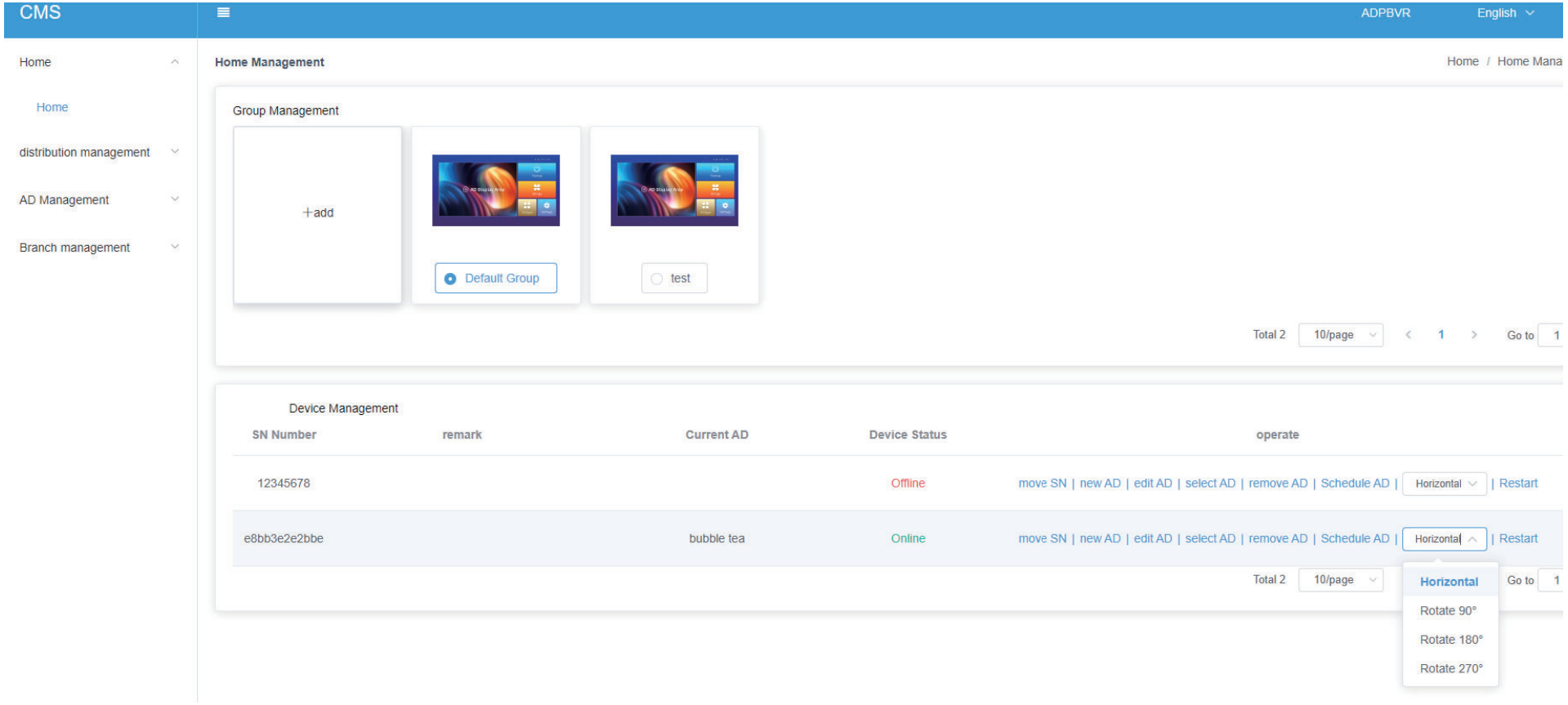
Edit subtitle:
① input subtitle name
② Select a group
③ Choose a position for the subtitle
④ Chose move direction
⑤ Set frequency
⑥ Set speed
⑦ Input text
⑧ confirm



# 2.8. About rotate horizontal & vertical

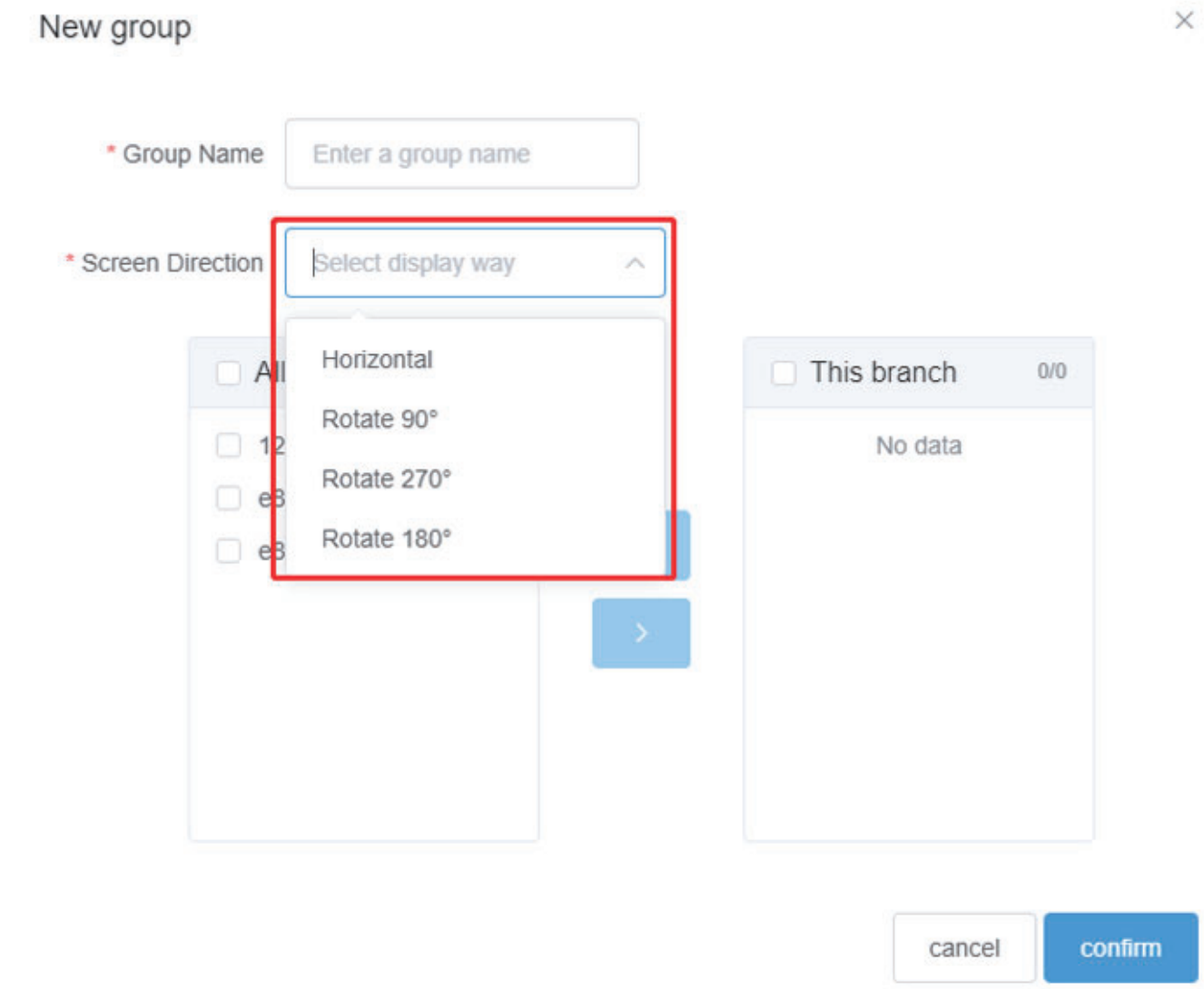
## 2.8.1.Rotate for device directly

A drop menu in SN list in home page to rotate directly.



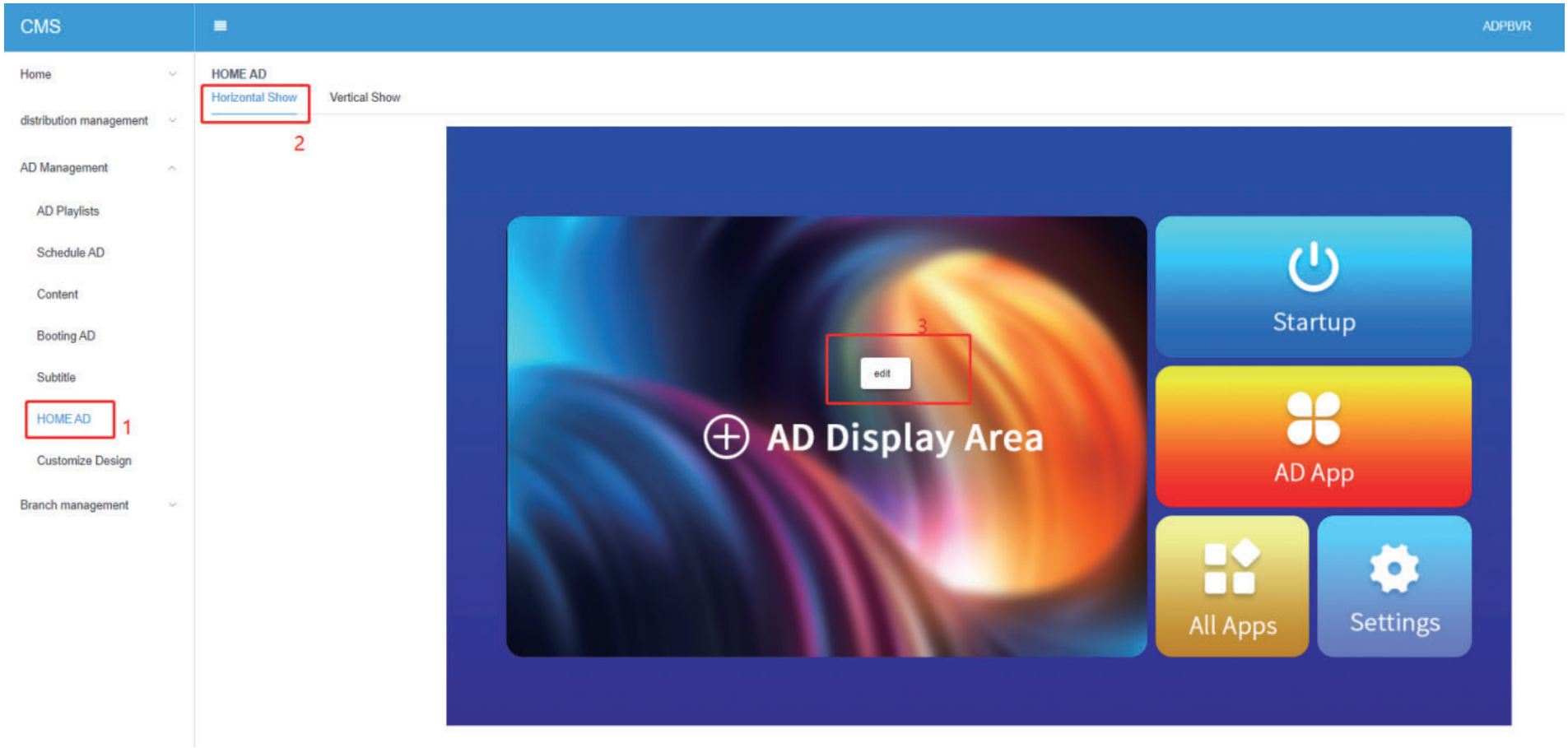
## 2.8.2 Rotate for group

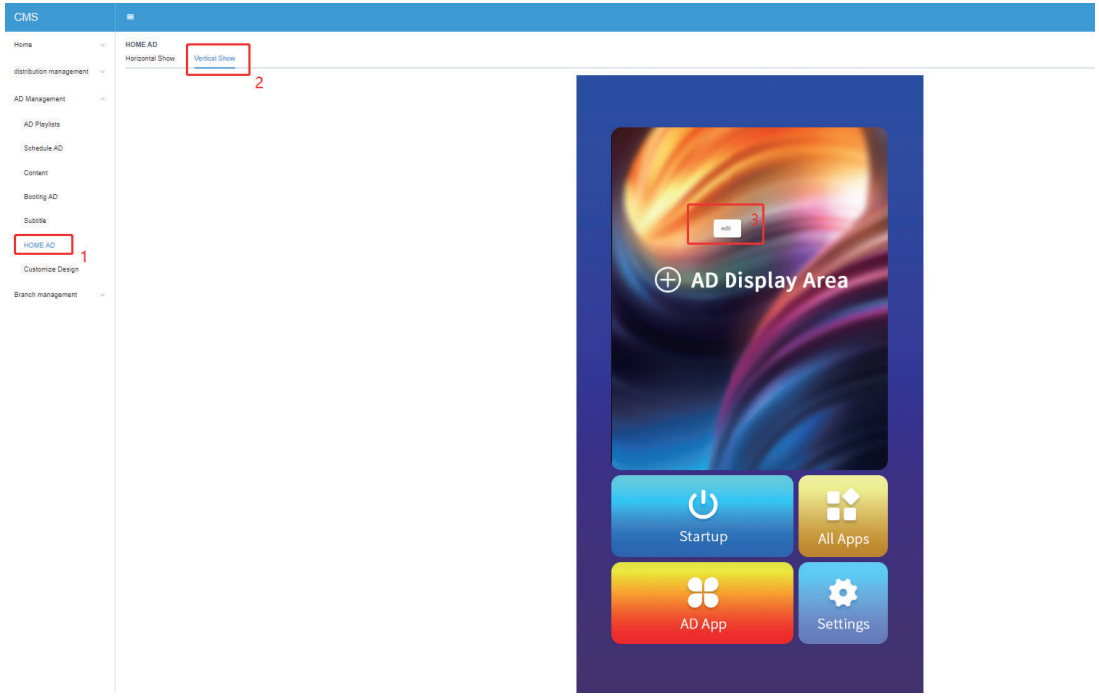
Only can choose horizontal and vertical when you create a new group. It can't be changed anymore. Also group AD direction should be the same to the group direction.



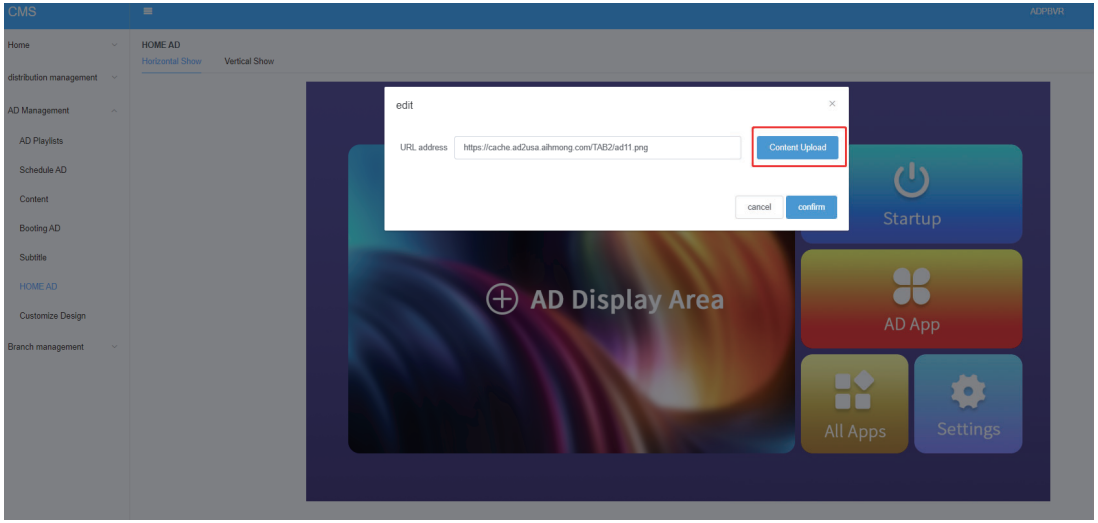
## 2.9. How to set home AD for device?

① Click “Home AD” --- “horizontal”, or “Home AD” --- “vertical”, put your mouse to the biggest area, click right key, click “edit”






② Click “content upload” to upload a picture or video from your local PC, and confirm.



Note：

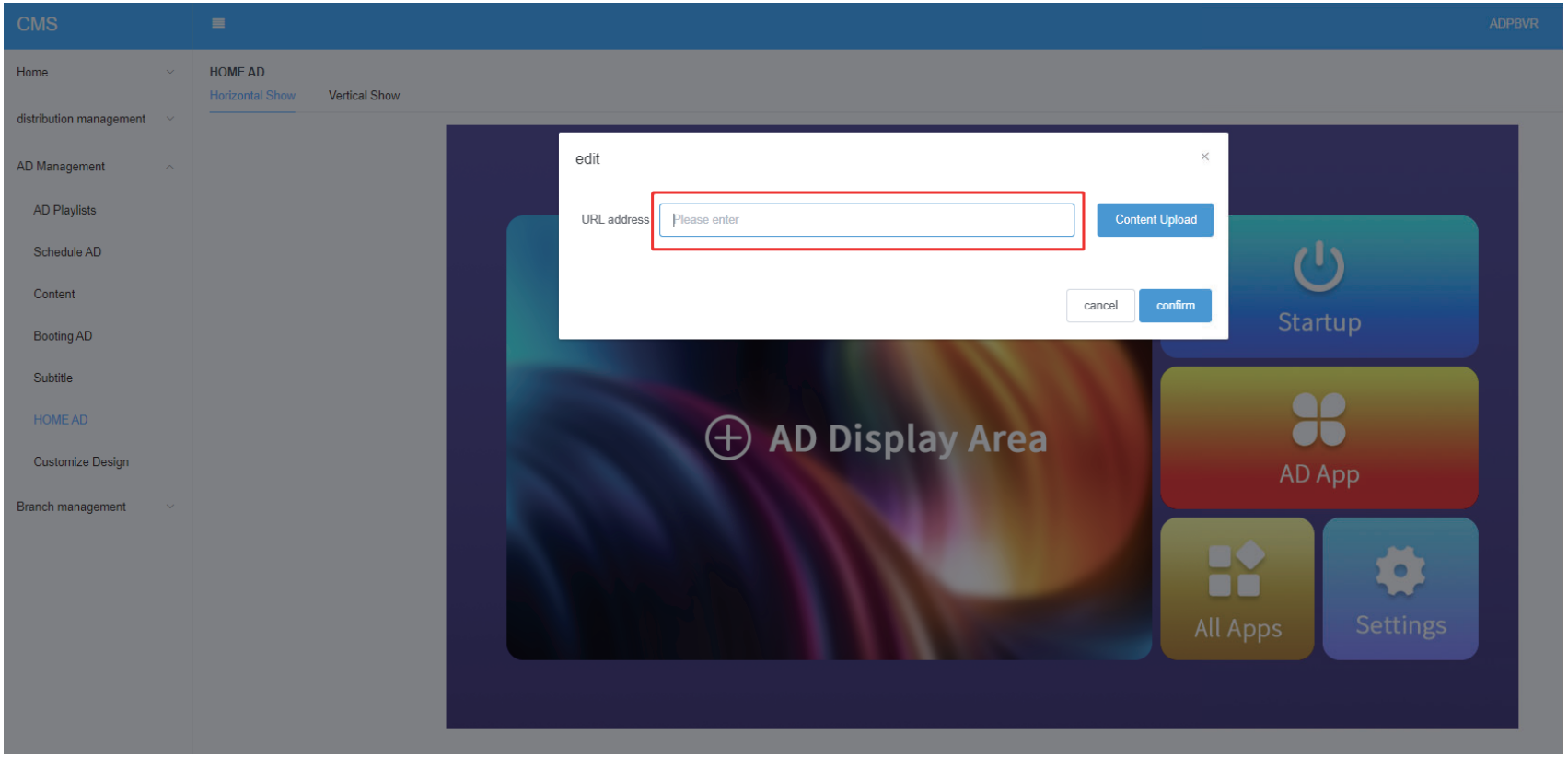
① Only can upload picture or video for this area.

② Need restart device to get the updating.

③ If you'd like set back the default page, just need delete the URL address and confirm in CMS, then it will come back the default page.

④ "home AD"for all devices in your CMS account. Set horizontal AD for horizontal devices, vertical AD for vertical devices.

⑤ If you distribute devices to others, move devices SN numbers to other branches, "home AD" set will disappear and it will come back to default home page.

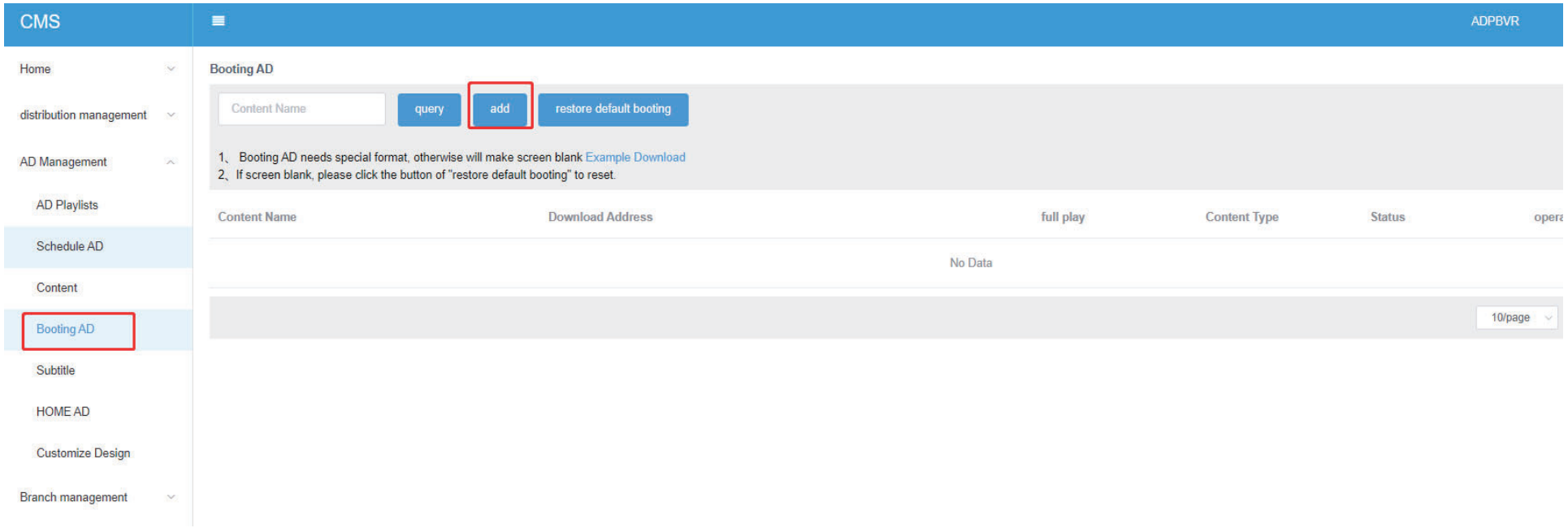


## 2.10. How to set Booting AD?

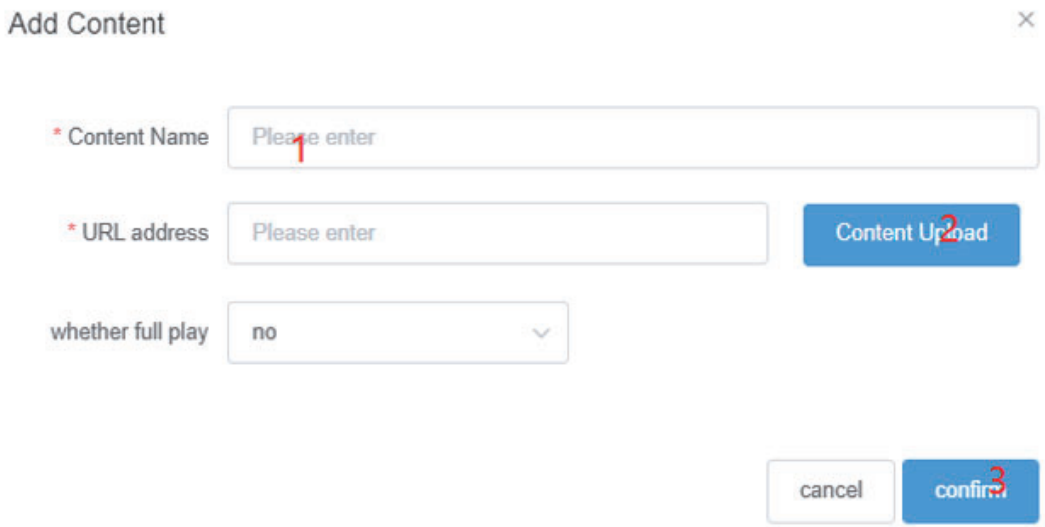
Note:

① “Booting AD” for all devices in your CMS account.
② “Booting AD” won’t disappear even when you distribute devices to other branches. Unless set new booting AD in new branch to replace it.

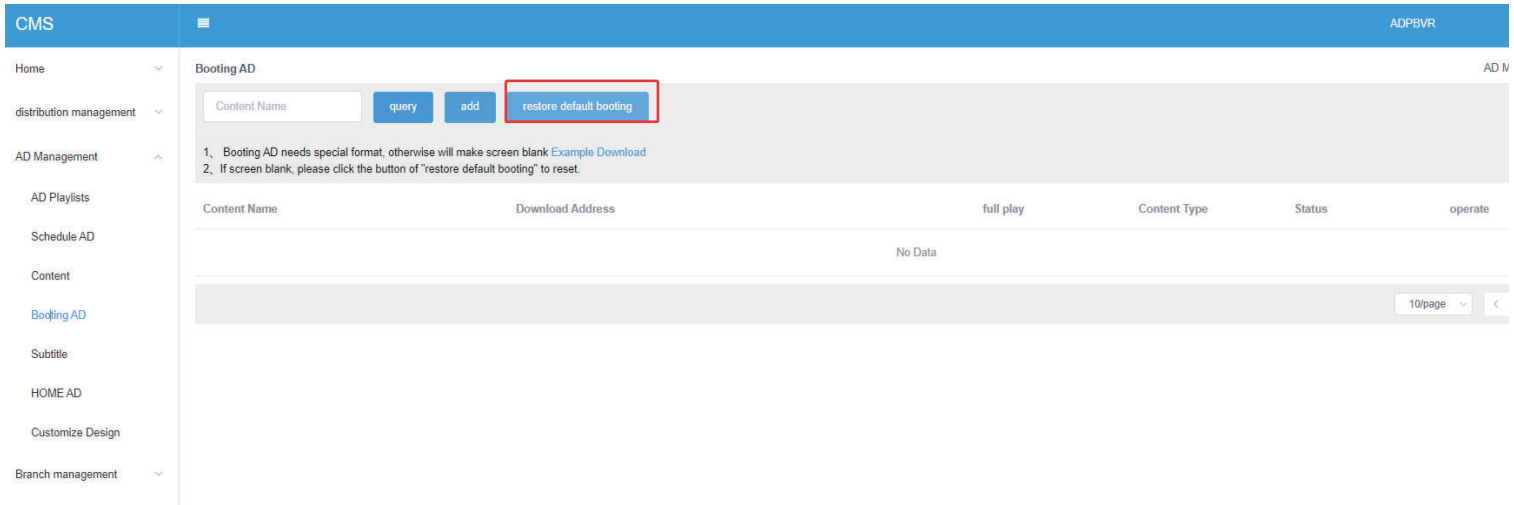
Click “AD Management” --- “Booting AD” --- “Add”



Input booting AD name, upload file, and confirm.
The file should be zip file or mp4 file. Professional file for booting animation. You can ask your designer to help to make the file, or download “example file” for reference from CMS.




If you’ d like to restore default booting, you can click “restore default booting” to recover.



# 3. Device Operation Guide

## 3.1. How to set WIFI?

Device will go to AD playing directly when turn on, please use remote controller to click "<---" back to home page, then click "settings" --- "Wi-Fi" to set wifi.

## 3.2. How to set time zone?

From device home page, click "settings" --- "Date & time" --- "Select time zone"

## 3.3. How to set display area?

① From device home page, click "settings" --- "Display" --- "Display area set"
② Click "OK" key on the remote controller to choose "left top" or "right bottom"
③ Click "<" ">" "∧" "∨" to adjust display area.

## 3.4. How to get a log number?

Log number is for us to check device working record and solve issue for you if any need.
From device home page, click "All Apps" --- "LogUpload", click this icon 2 times to get a log number.

## 3.5. How to USB play autoly?

Pictures and videos is saved in USB directly, without any folder.
Plug USB to device, it will play the pictures and videos autoly.
USB playing is prior to CMS playing.

## 3.6. How to check and select resolution?

From device home page, click “settings” --- “Display” --- “Custom display format”
If your screen supports 3840*2160, the device supports 3840*2160 max too.
If your screen supports 1920*1080 max, the device supports 1920*1080 max too.
Device resolution can’ t be more than screen’ s.

## 3.7. How to factory reset device?

From device home page, click “settings” --- “Backup & reset”
If device is in a CMS account, and you already published AD to device, even after factory reset, the device still can get the AD and play it autoly. Unless you remove the AD in CMS.

# 4. FCC WARNING

This device complies with part 15 of the FCC Rules. 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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE: This equipment has been tested and found to comply with the limits for a 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 communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does 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 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.
To maintain compliance with FCC’ s RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.

# 5. About LUNZN

Shenzhen Lunzn Technology Co., Ltd. was established in 2012 in Shenzhen China. 10+ years experience of professional intelligent digital signage player hardware and software system development. 70+ talents in our R&D team.

We are the National High-Technology Enterprise, excellent supplier of HUAWEI Group, gold partner of IFLYTEK company.We got 100+ national patents and technology authentications in TV Box appearance, multimedia, software, AI voice control tech, etc.

We cooperated with various famous brand customers. Provide solutions for Huawei, Konka, TCL, Hisense, etc. All our products are high quality, valuable and stable. With our complete After-sales service and technology service system, to ensure our products' advancement and market competition.

We provide one-stop solution for customers. Not only a player, but also the appearance design, hardware quality assurance, software development, function customization, etc. We offer OEM & ODM service for customers!