

Operation Manual Of XTMS3

revision

Version	Author	Time	Remark
1.0	Gao shiyong	2018-10-31	Draft
1.1	Gao shiyong	2019-6-14	Add RKI show information

Preface

XTMS3 is convenient for users to manage terminal POS devices. The currently supported features are as follows:

1. Terminal Management
2. Merchant Management
3. Channel Management
4. Config Management----multi-manufacturer, multi-device model
5. Task Management
6. System Update
7. App Management----single App and multi-App pushing
8. App Store----App Store, App Promotion and Slideshow
9. Parameter Management
10. Ads Management----For apps or devices
11. Log Management----Update log, Operation log, Terminal Visit log and Terminal Run log
12. User Management
13. Key Management(Not supported yet)

Operating procedures(Important)

1. Creating a channel in Channel Management, such as nexgo.
2. Creating a role that determines what users can do.
3. Creating a user that include channel and roles.
4. Adding manufacturer in Config Management → Manufacturer List
5. Adding model in Config Management → Model List
6. Adding terminals in Terminal Management.
7. Uploading App in App Management, and push App for terminals.
8. Adding MID in Merchant Management → Merchant List (option)
9. Adding TID in Merchant Management → Merhcant Terminal List(option)
10. Adding paramters in Parameter Management for App.

Public function

1. login

Necessary data:

URL、User Account、Password

URL:

<https://xtms.nexgo.cn:6683/>

Login account:

Please contact the sales manager to apply for the test account.

Default password:

88888888

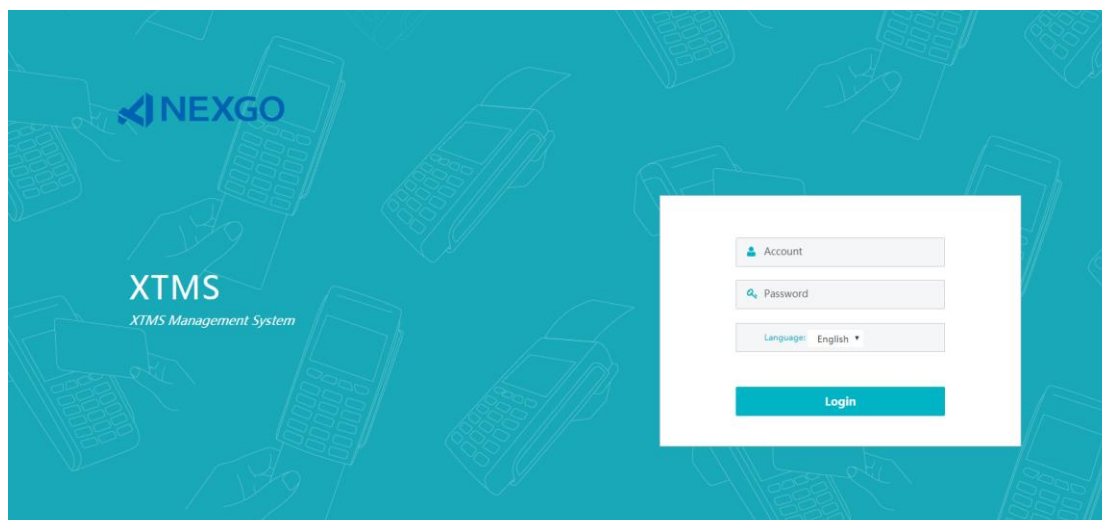


figure 1

2. Operation menu

Display menu under user rights

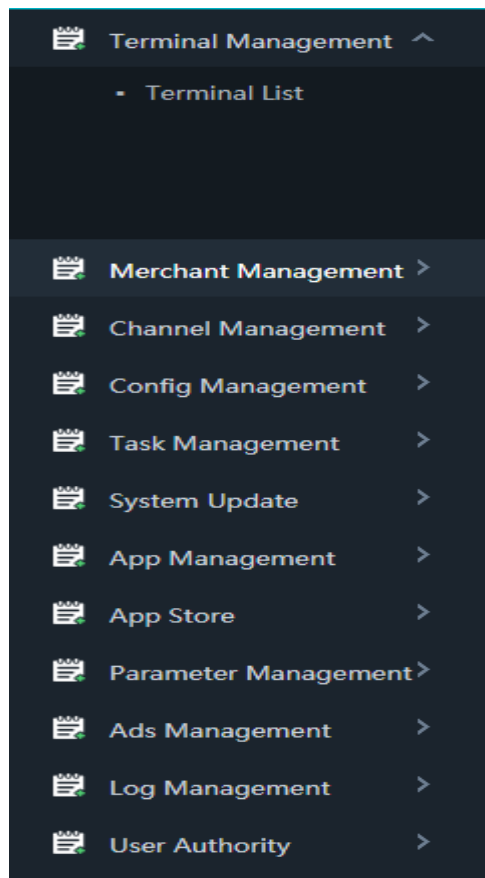


figure 2

3. Change password

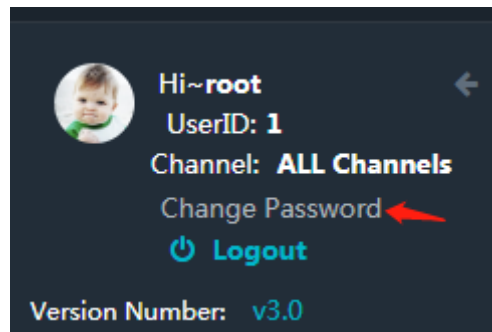


figure 3

4. login out

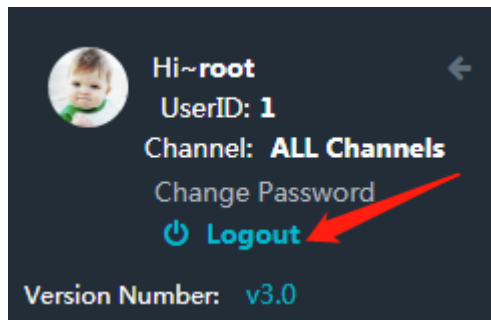


figure 4

5. Prompt message

The column has red symbol—“*” that means required to input information.

6. Terminal position

login in system or refresh page or click XTMS will get terminal position on map.

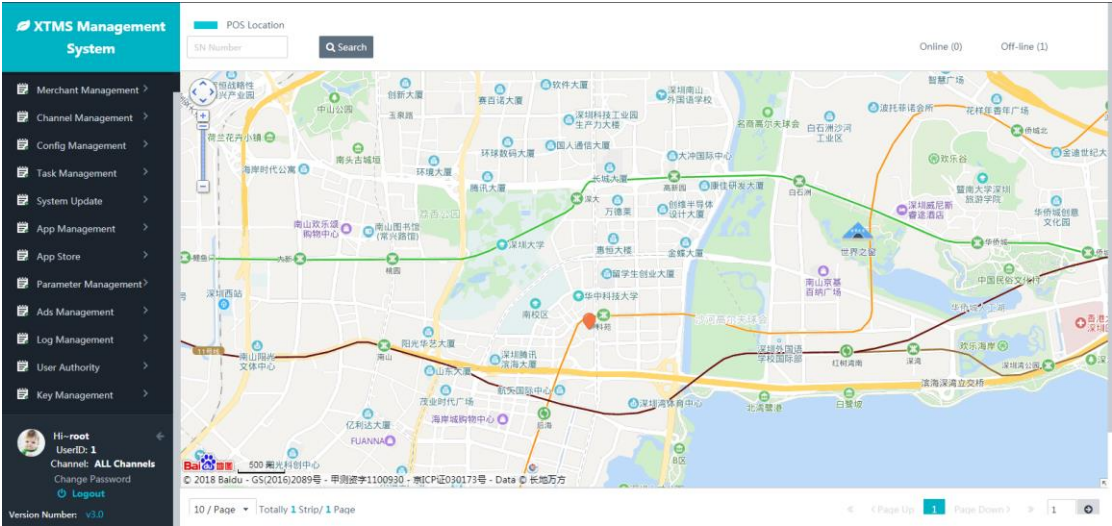


figure 5

Function model details

1. Terminal Management

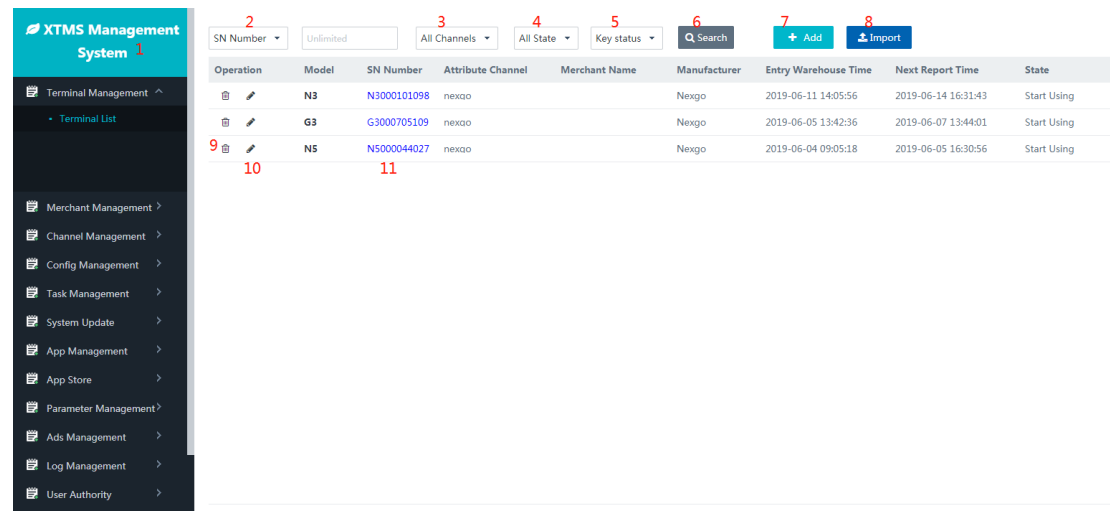


figure 6

Detail 1:

SN Number: Unlimited All Channels All State Key status Search

Operation	Model	SN Number	Attribute Channel	Merchant Name	Manufacturer
	N3	N3000101098	nexgo		Nexgo
	G3	G3000705109	nexgo		Nexgo
	N5	N5000044027	nexgo		Nexgo

Terminal N3000101098 Details>>

[Terminal Info](#) [Terminal App](#) [Remote Control](#)

SN Number: N3000101098
Model: N3
Attribute Channel: nexgo
Attribute Merchant:
OTA Version: v1.5.9_paytm000001
System Version:
Distributing Address:
State: Normal
Longitude: 113.952129
Latitude: 22.531071
Entry Warehouse Time : 2019-06-11 14:05:56
Next Report Time: 2019-06-14 16:31:43
Terminal Current Time:
Terminal Current Location:
Communication mode: WIFI
Terminal Last Command:
Terminal Command:
Key Status: Not imported
Key Version: V001
Key Inject Time: GMT+05:30 2019-06-13 14:42:27
Description: errCode:-1 Load TMK error

figure 7

Notice:

This item shows RKI information if you use our RKI system.

Detail 2:

SN Number: Unlimited All Channels All State Search

Operation	Model	SN Number	Attribute Channel	Merchant Name	Manufacturer
	N5	N5000044027	ALL Channels		nexgo

Terminal N5000044027 Details>>

[Terminal Info](#) [Terminal App](#) [Remote Control](#)

● App List:

应用市场

App Package Name: com.nexgo.tmsappstore.test
App Version Info: 1.0.3
App Version Number: 4
Whether can Uninstall:
Describe:

figure 8

“Terminal App” display the application information of the terminal when the last message was sent.

Detail 3:

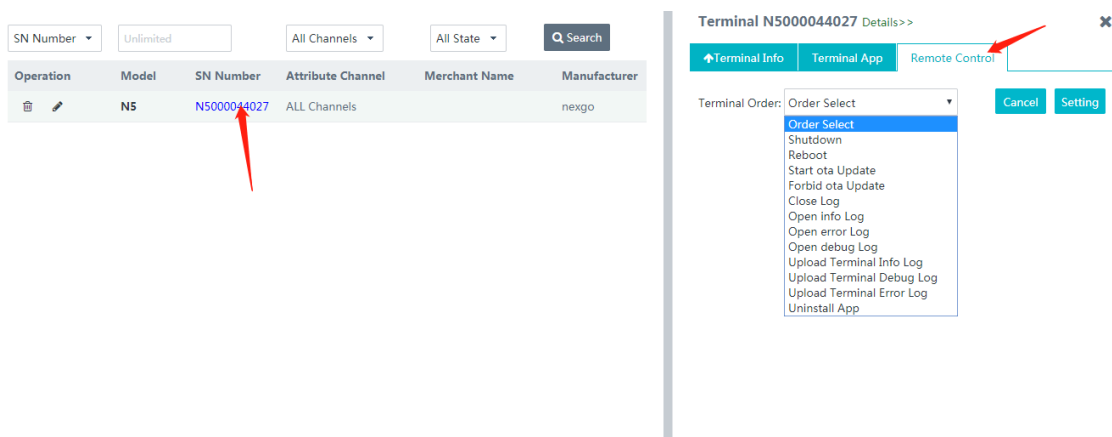


figure 9

This function allow user to control terminal remotely by send command when POS heartbeat.

Detail 4:

The screenshot shows the 'Add New Terminal' form. It has several input fields and dropdown menus, each with a red number annotation:

- *SN Number: [input field]
- *Model: Model 4
- *Attribute Channel: Select Channel 5
- *Report Period: 1440 1 Min
- *Heartbeat Cycle: 3600 2
- Distributing Address: [input field]
- State: Start Using 3

 At the bottom right, there are 'Save' and 'Cancel' buttons.

figure 10

1. Device connect to XTMS to check whether need to download something.(minute)
2. Heartbeat: device connect to XTMS to check whether need to execute some command and upload device information, such as device position.
3. State: device status
4. Model: device type, such as N5 ,G3
5. Channel:which institution does the device belong to, such as company A, or merchant B, or Agent C .
6. User: who does the device belong to. such as login account, or user A.

Note 1:

If you want to terminal upload log, you should set “Open log” command ,and after terminal receive this command, you will see last command in terminal Info whether it is “open log” command or not. Then you should set “upload log” command, and terminal will send log file to XTMS.

The screenshot displays the XTMS Management System interface. On the left, a table lists terminal information with columns: Operation, Model, SN Number, Attribute Channel, Merchant Name, and Manufacturer. The selected terminal has SN Number N5000044027 and Model N5. On the right, the 'Terminal N5000044027 Details' panel is open, showing various attributes. The 'Terminal Last Command' is highlighted with a red box and labeled as 'Shutdown'.

Operation	Model	SN Number	Attribute Channel	Merchant Name	Manufacturer
	N5	N5000044027	ALL Channels		nexgo

Terminal N5000044027 Details

- SN Number: N5000044027
- Model: N5
- Attribute Channel: ALL Channels
- Attribute Merchant:
- OTA Version: v1.6.3_N5000001
- System Version:
- Distributing Address:
- State: Normal
- Longitude: 113.95213
- Latitude: 22.530938
- Entry Warehouse Time : 2018-10-29 05:48:51
- Next Report Time: 2018-10-31 04:35:38
- Terminal Current Time:
- Terminal Current Location:
- Communication mode: WIFI
- Terminal Last Command: Shutdown**
- Terminal Command:

figure 11

Note 2:

If you want to delete terminal , you need to confirm whether terminal bind TID or not.

2. Merchant Management

The screenshot shows the 'Merchant Management' section of the XTMS Management System. A sidebar on the left contains a menu with 'Terminal Management' and 'Merchant Management'. The 'Merchant Management' section is active, displaying a table of merchants. The 'Add' button is highlighted with a red circle and labeled '2'. The table has columns: Operation, Serial Number, Merchant Name, Contact Persc, Contact Method, Address, Extended Name, and Attribute Channel. The first row shows a merchant with Serial Number 0000123456 and Merchant Name test.

XTMS Management System

- Terminal Management
- Merchant Management
 - Merchant List
 - Merchant Terminal List

Merchant List

Operation	Serial Number	Merchant Name	Contact Persc	Contact Method	Address	Extended Name	Attribute Channel
	0000123456	test	gao	83850322	park	ddd	nexgo

figure 12

- 1: search condition
- 2: add new MID
- 3: delete MID(no TID bind)
- 4: edit MID information

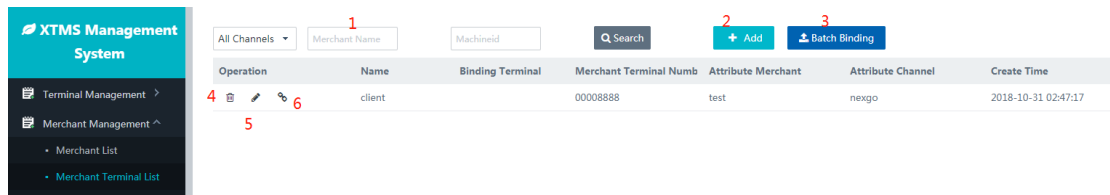


figure 13

- 1: search condition
- 2: add new TID
- 3: batch import and binding(This function need exist SN and MID , that means you should add SN and MID first)
- 4: delete TID
- 5: edit TID
- 6: bind or unbind TID , MID , SN

3. Channel Management

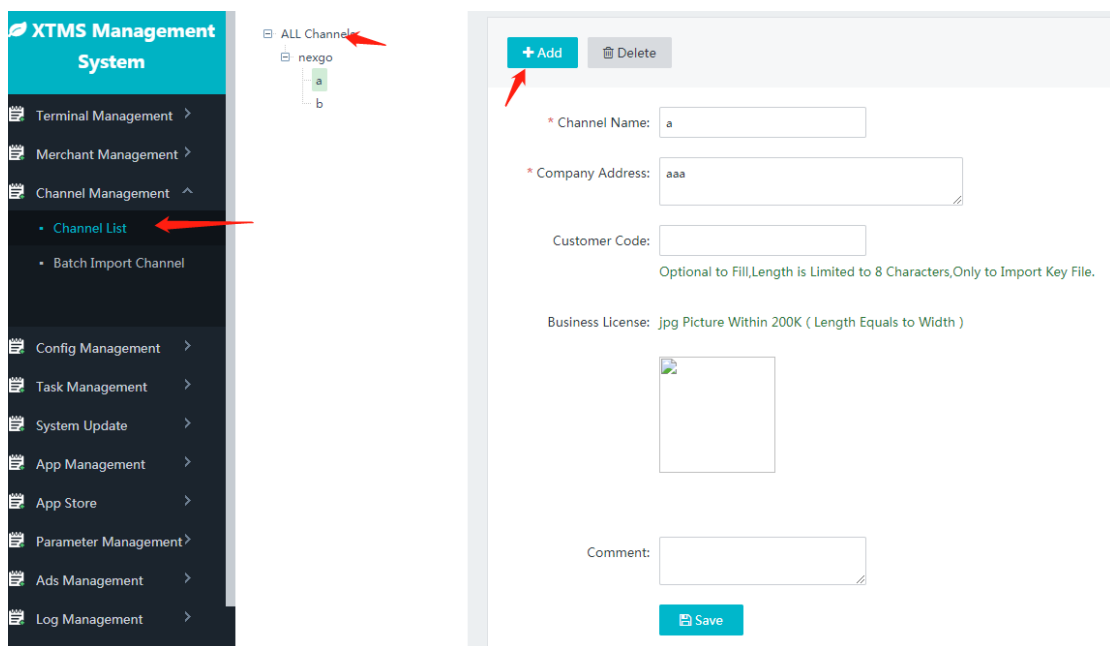


figure 14

add channel, such as nexgo

Note: you should confirm that channel is not be used before deleting.

4. Config Management

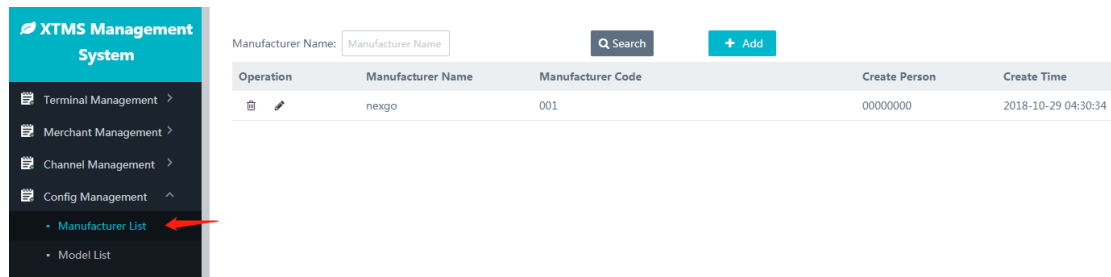


figure 15

Manufacturer Management
add , edit , delete operation

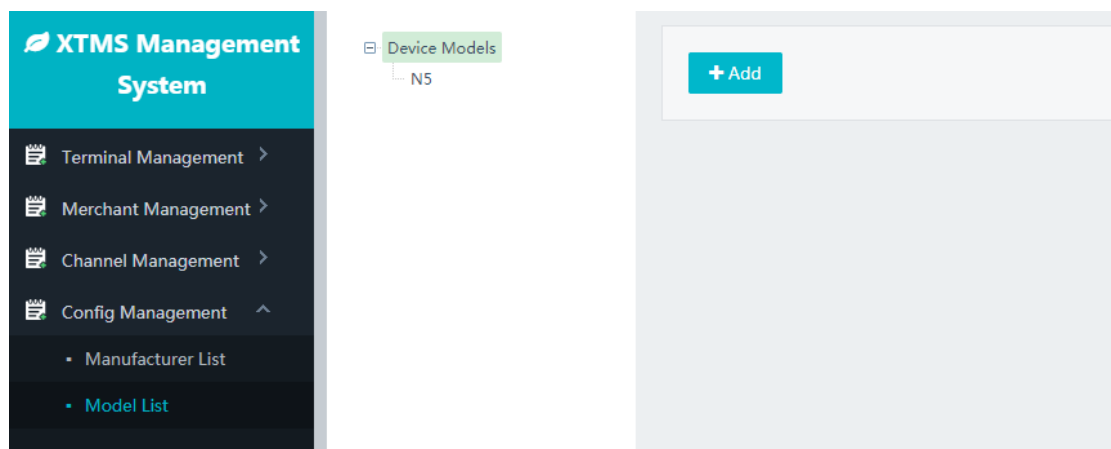


figure 16

add device model , such as N5, G3.

Note: you should confirm to no terminal use Manufacturer or Device Model before deleting.

5. Task Management

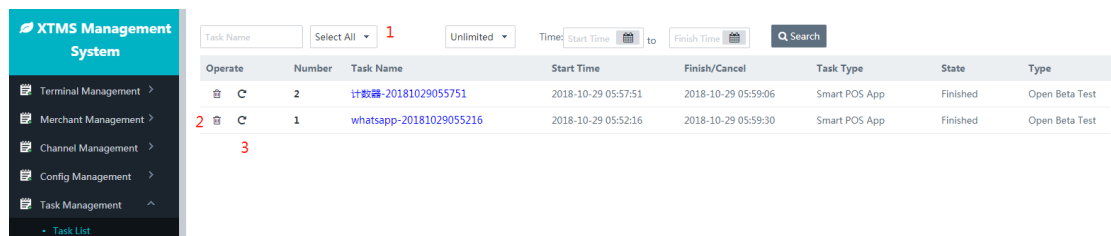


figure 17

1: search condition

2: delete task

3: cancel task

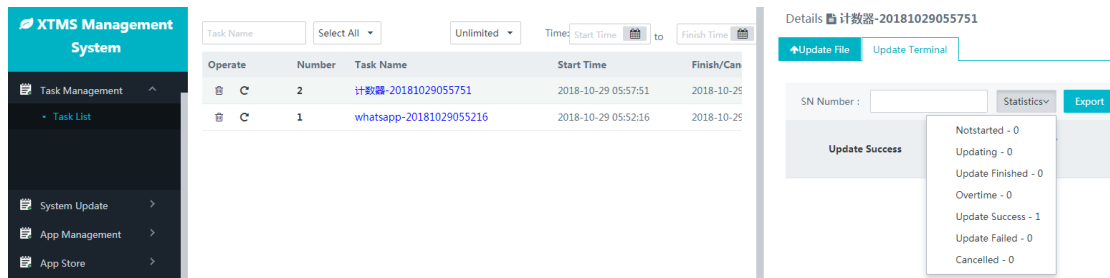


figure 18

Click task name , you will see more information.

6. System Update

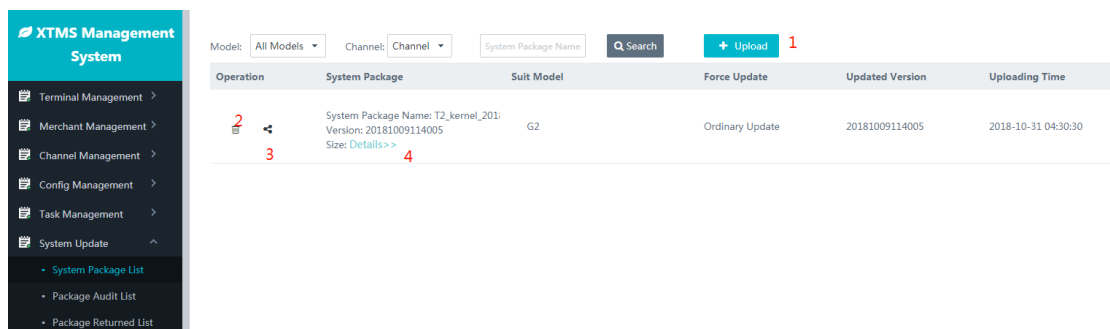


figure 19

1: Upload kernel package, then audit package and push package to terminal

2: delete package

3: push package to terminal

4: display package details

Note:

First, upload package in System Package List.

Then, audit package in System Audit List. If you pass the package , the package will show in System Package List, and you can push it to terminal. If you return the package, the package will show in System Returned List. You can edit the package in System Returned List and audit again.

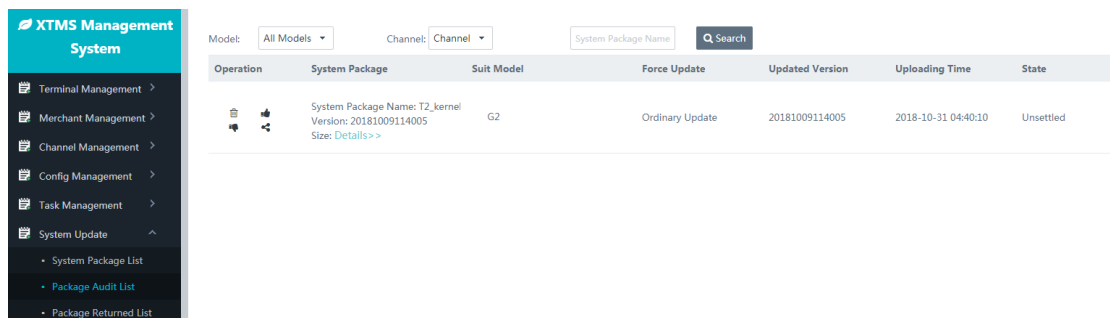


figure 20

7. App Management

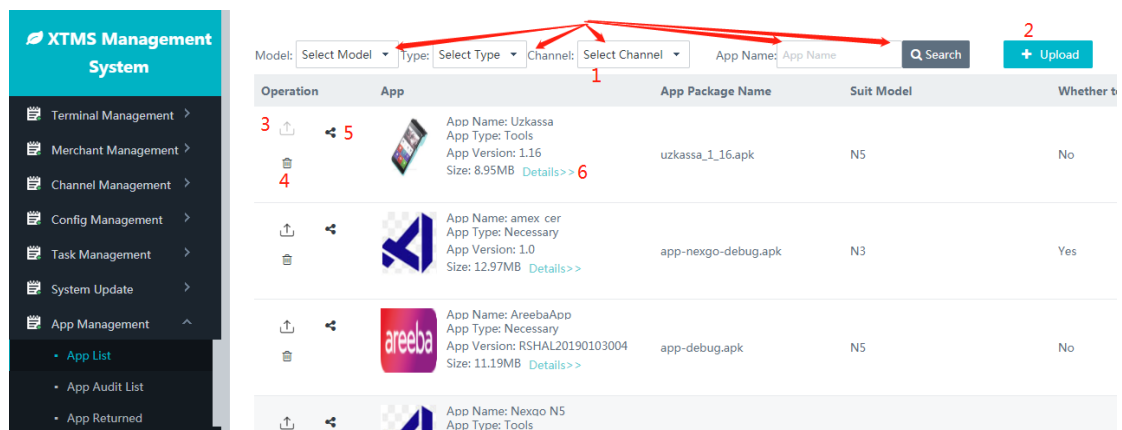


figure 21

1. search condition
2. upload APP
3. upload APP to APP store
4. delete APP
5. push APP to device
6. show APP detail

You can push multi-apps to terminal.

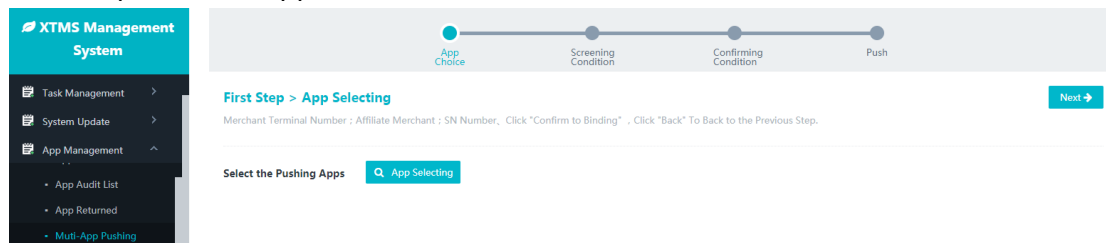


figure 22

8. App Store

After you Push app to App Store in App Management, you will see app in App Store.

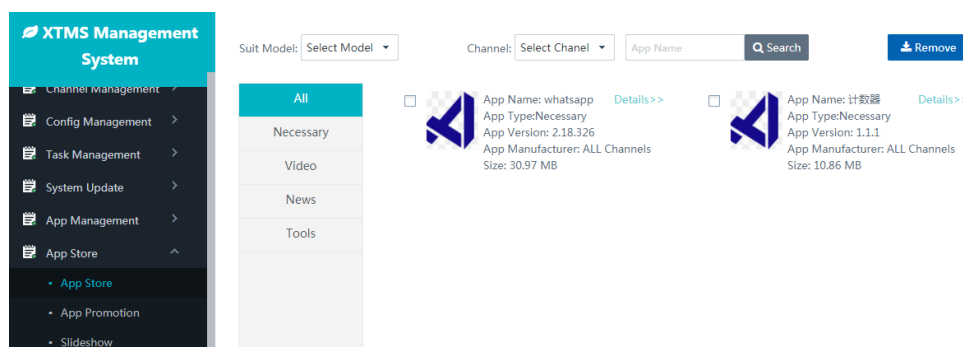


figure 23

Also you can set app to be a promotion in App Store.

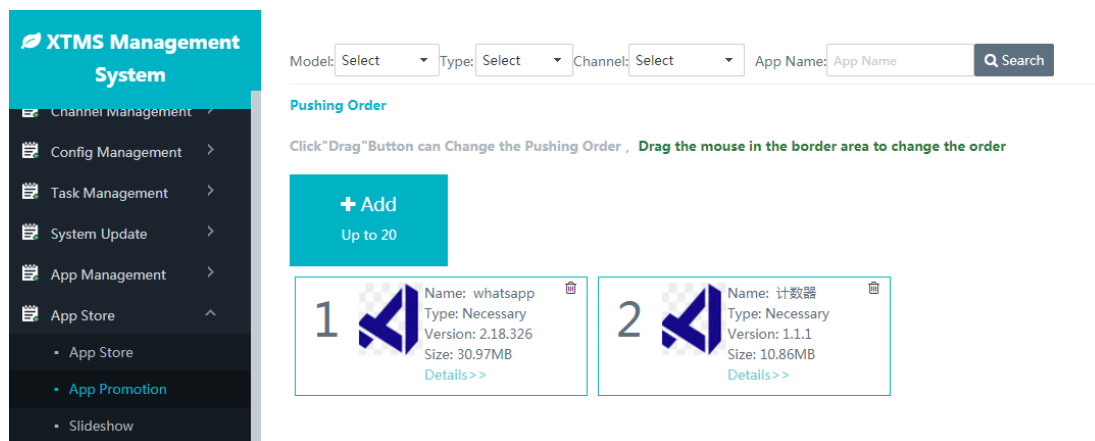


figure 24

Set SlideShow for App Store.

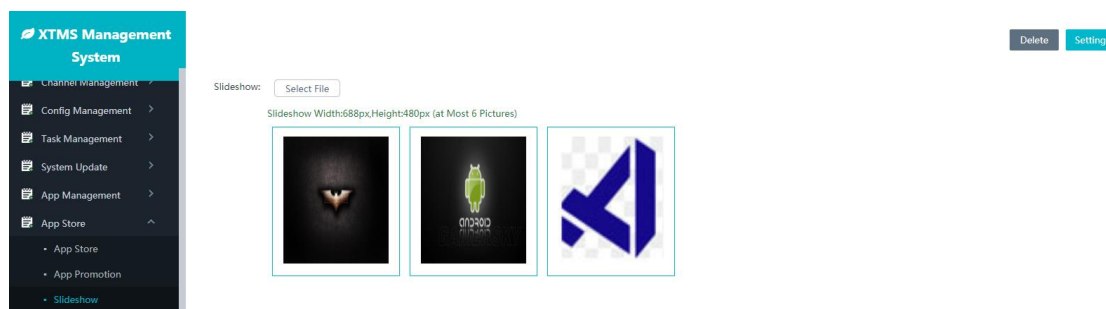


figure 25

9. Parameter Management

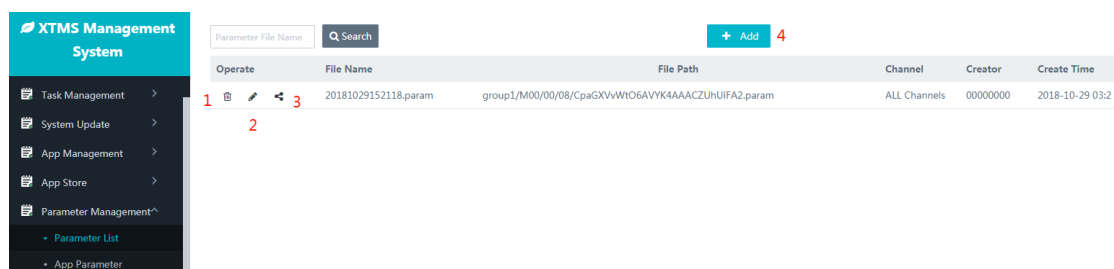
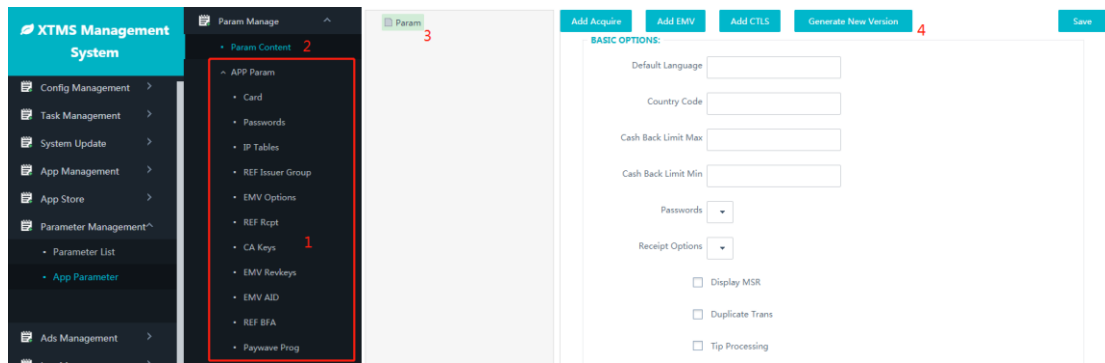


figure 26

- 1: delete parameter file
- 2: edit parameters
- 3: push parameters to terminal
- 4: add parameters



1. add parameter items
2. select parameter items and save
3. create some parameter
4. create parameter version, and you can push to device.

10. Ads Management

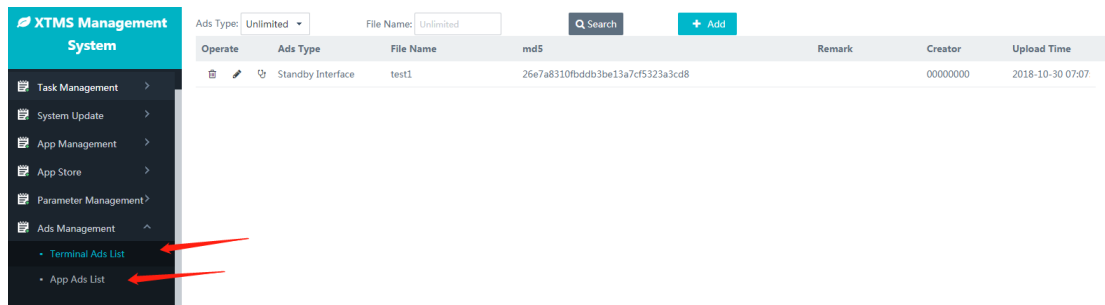


figure 27

You can push terminal ads, such as boot animation, boot logo, shutdown animation, standby Interface. If you need to use this function, please contact to our engineer to get signed file.

rules:

Boot logo File Type is img Boot Animation File Type is zip

Shutdown Animation File Type is zip Standby Interface File Type is jpg

Add

* Ads Type:

* Model:

* File Name:

* Ads File:

You can push ads for Specific applications.

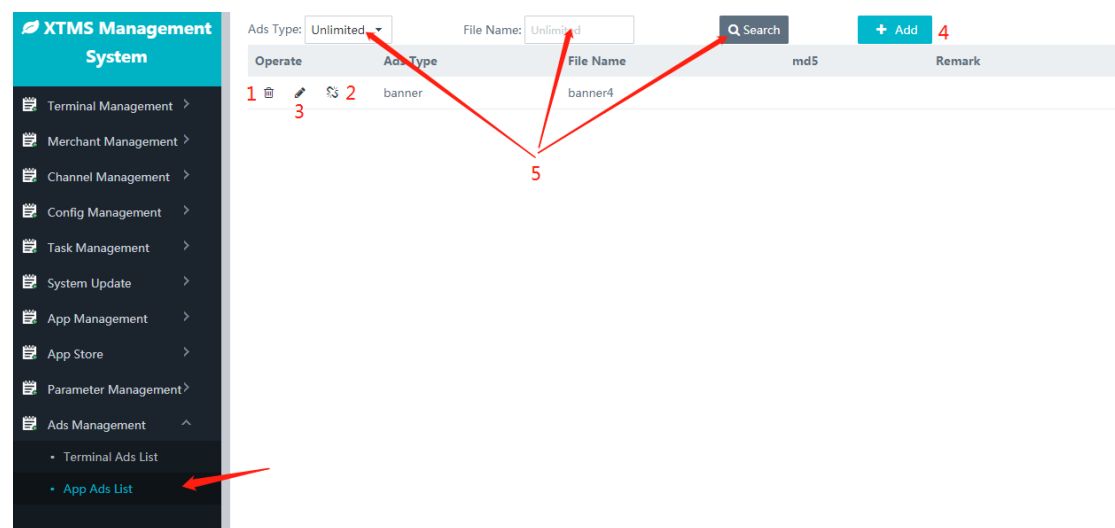


figure 28

1. delete item
2. bind ads to devices
3. edit item
4. add a new item
5. search condition

11. Log Management

Update Log:

You will see terminal update information about task/plan.

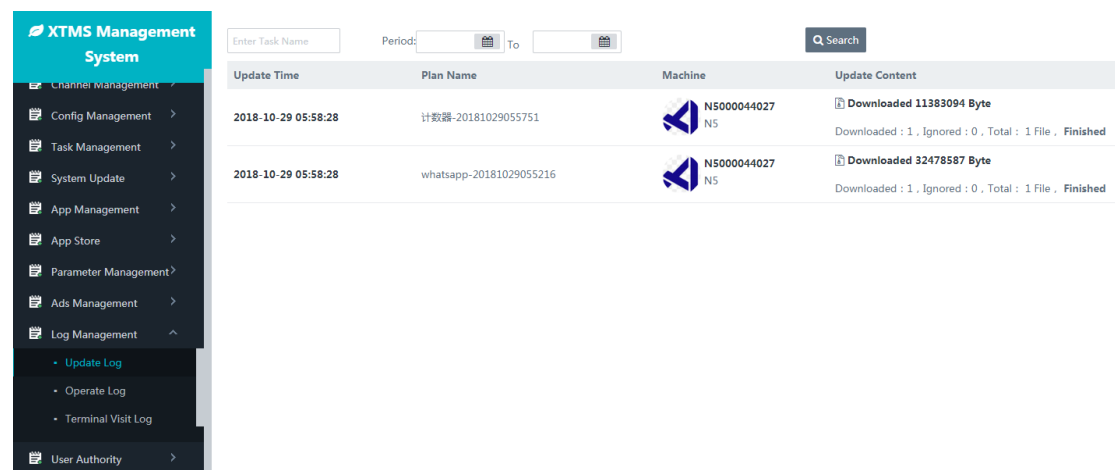
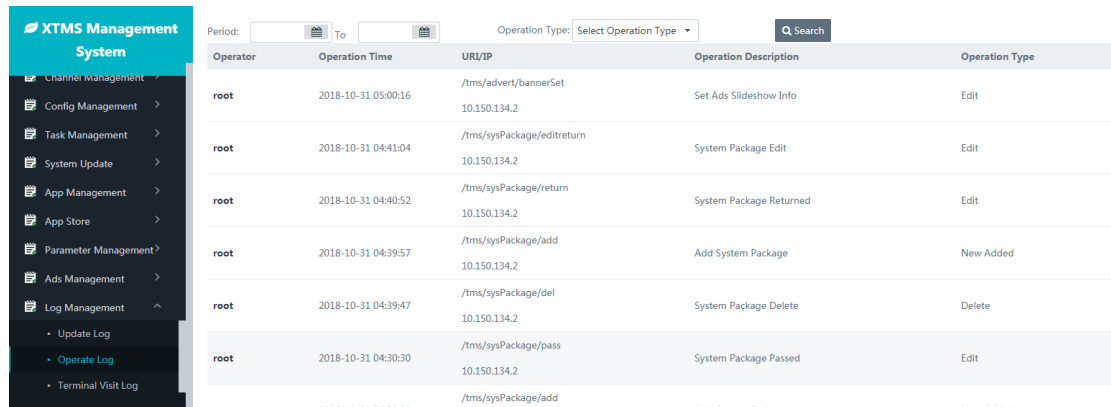


figure 29

Operate Log:

You will see user operation.

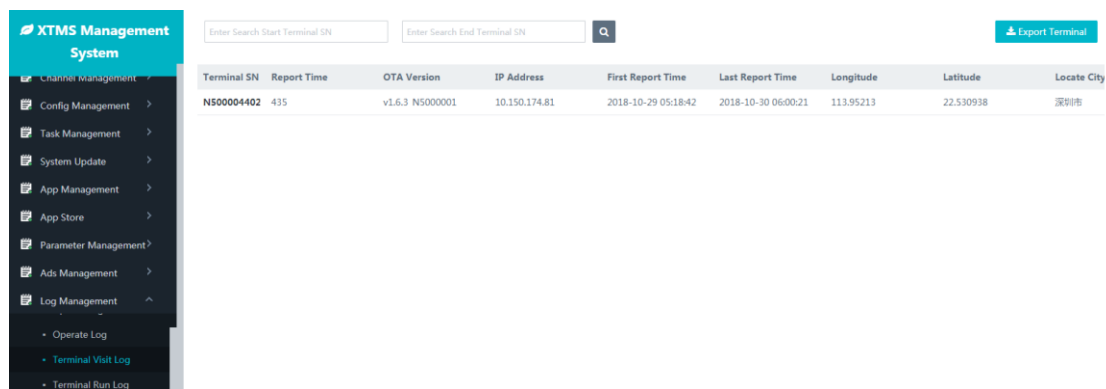


Operator	Operation Time	URL/IP	Operation Description	Operation Type
root	2018-10-31 05:00:16	/tms/advert/bannerSet 10.150.134.2	Set Ads Slideshow Info	Edit
root	2018-10-31 04:41:04	/tms/sysPackage/editreturn 10.150.134.2	System Package Edit	Edit
root	2018-10-31 04:40:52	/tms/sysPackage/return 10.150.134.2	System Package Returned	Edit
root	2018-10-31 04:39:57	/tms/sysPackage/add 10.150.134.2	Add System Package	New Added
root	2018-10-31 04:39:47	/tms/sysPackage/del 10.150.134.2	System Package Delete	Delete
root	2018-10-31 04:30:30	/tms/sysPackage/pass 10.150.134.2	System Package Passed	Edit

figure 30

Terminal Visit Log:

You will see terminal visit XTMS details and terminal information.

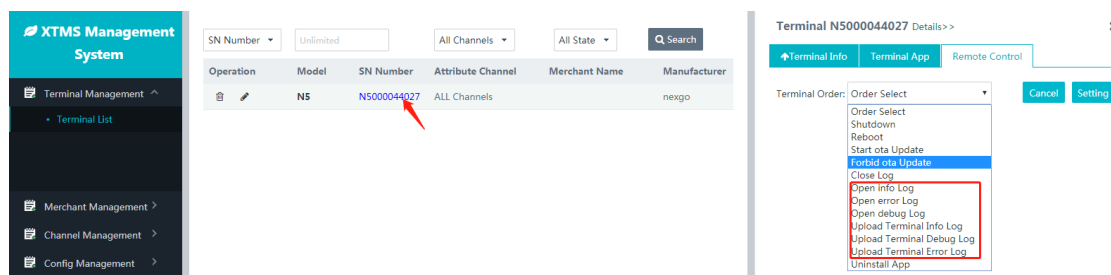


Terminal SN	Report Time	OTA Version	IP Address	First Report Time	Last Report Time	Longitude	Latitude	Locate City
NS00004402	435	v1.6.3 NS0000001	10.150.174.81	2018-10-29 05:18:42	2018-10-30 06:00:21	113.95213	22.530938	深圳市

figure 31

Terminal Run Log:

If you send command 'open log' and 'upload terminal log' to terminal , you will see log file that terminal upload.



Operation	Model	SN Number	Attribute Channel	Merchant Name	Manufacturer
NS	NS	NS000044027	ALL Channels	nexgo	nexgo

figure 32

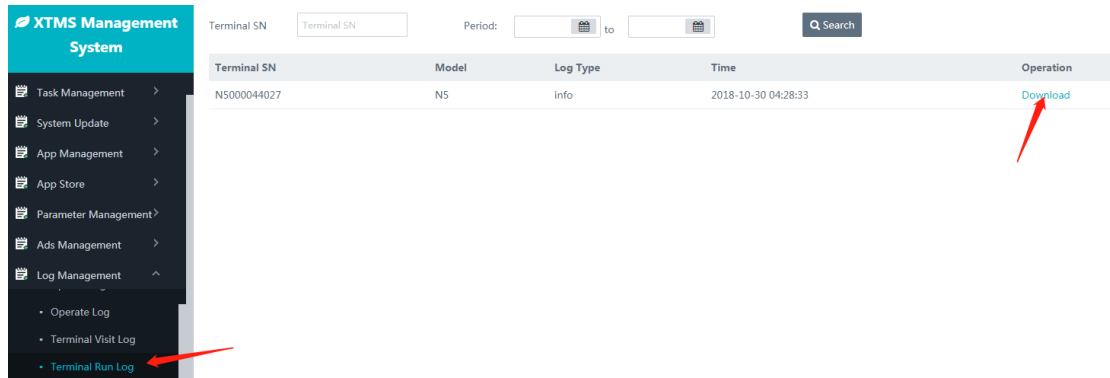


figure 33

Terminal Update Fail Log

You can check whether device download successfully or download fail reason.

System

Left Sidebar: Channel Management, Config Management, Task Management, System Update, App Management, App Store, Parameter Management, Ads Management, Log Management, Terminal Visit Log, Terminal Run Log, **Terminal Update Fail Log**

Last Time	SN Number	Plan Name	Fail Flag	Faild Count	Faild Desc
2019-02-27 10:38:17	N3000101098	计划ID414		3	
2019-02-27 04:35:30	N5000071015	Nexao N5-20190227043314	Install Failed	1	
2019-02-27 04:16:46	N5000071015	计划ID433	Install Failed	1	
2019-02-26 09:53:29	N3000146459	计划ID414		1	
2019-02-26 09:29:01	N300016888	Launcher 3-20190226092530	Download Fail	6	download fail
2019-02-26 09:20:15	N300016888	计划ID426	Download Fail	6	download fail
2019-02-26 07:58:33	N3000132449	Launcher 02-20190226075742	Install Failed	1	
2019-02-26 07:28:24	N30001A9698	计划ID414		1	
2019-02-26 05:20:23	N30001N2957	计划ID414		1	
2019-02-26 05:11:16	N3000132449	计划ID418	Install Failed	1	

12. User Management

Role List:

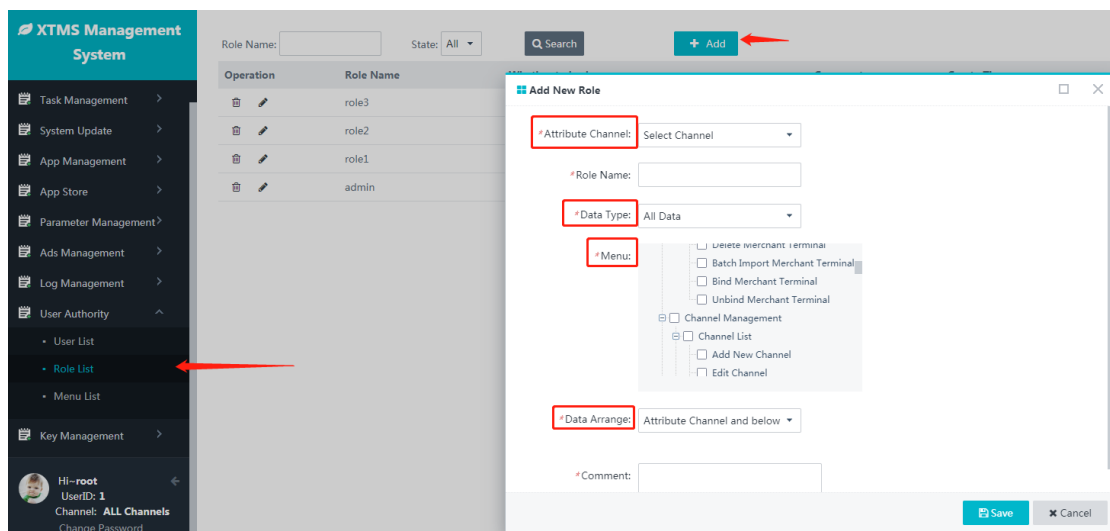
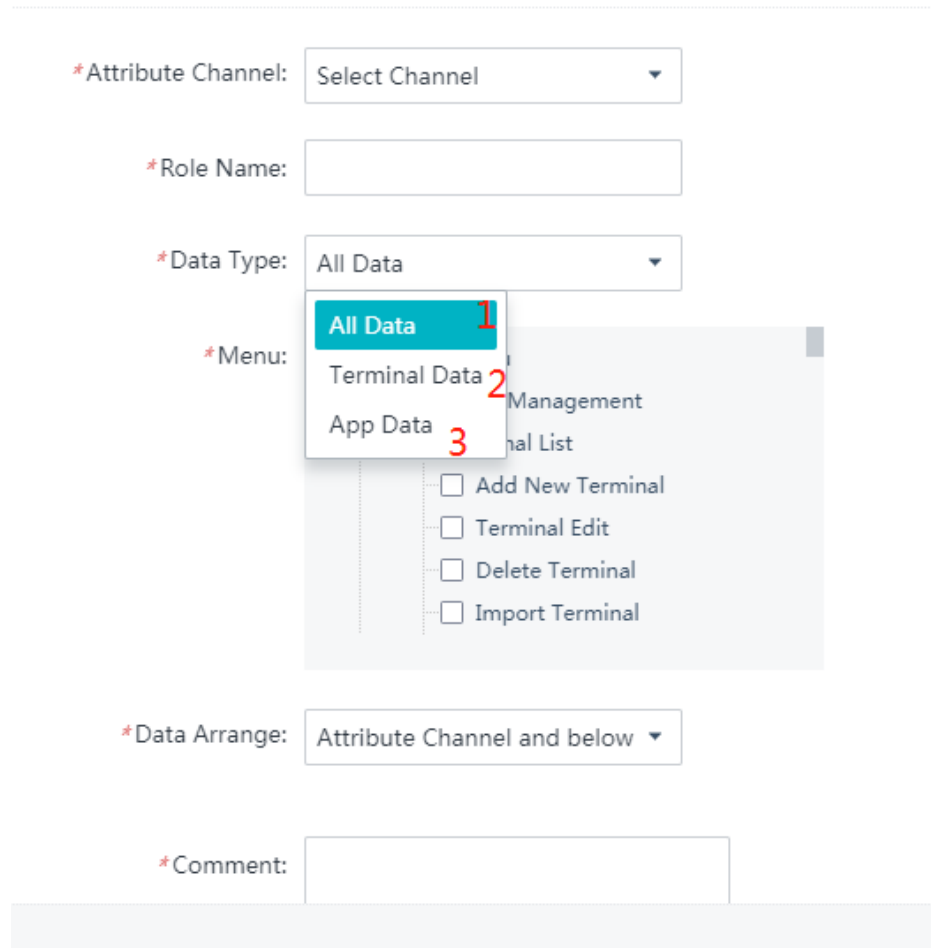


figure 34

Different roles have different rights.

remark:

Add New Role



* Attribute Channel:

* Role Name:

* Data Type:

* Menu:

All Data 1
Terminal Data 2
App Data 3

Management
nal List
☐ Add New Terminal
☐ Terminal Edit
☐ Delete Terminal
☐ Import Terminal

* Data Arrange:

* Comment:

figure 35

ALL Data:

Default, if you set this, the Data Arrange setting will be valid

If One user have multiple roles, terminal will download all roles data.

Terminal Data:

This setting is only valid for terminal user.

Edit Terminal Info

*SN Number: N5000044027

*Model: N5

*Attribute Channel: ALL Channels

*Attribute User: root

*Report Period: 1440 Min

*Heartbeat Cycle: 1200 Sec

Distributing Address:

State: Start Using

figure 36

App Data:

This setting is only valid for application interface.

*Data Arrange: Attribute Channel and below

*Comment:

- Attribute Channel and Above
- Attribute Channel and below
- Attribute Channel
- Personal Data Only
- Detailed Configuration

figure 37

Attribute Channel and Above:

This setting will allow sub-level channel to get parent channel data.

Attribute Channel and below:

This setting will allow current channel to get its sub-level channel data.

Attribute Channel:

Only allow current channel data to be got.

Personal Data Only:

Only allow current user data to be got.

Detailed Configuration:

Allow setting more details.

User List:

One user may have multiple roles.

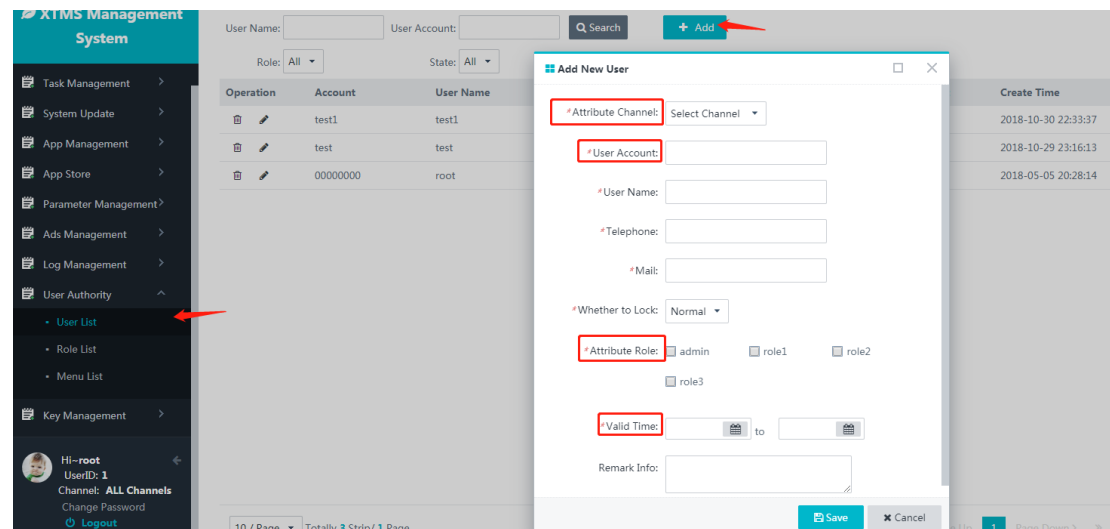


figure 38

FAQ

How to create App download task?

steps:

App Management → App List → Upload

App Audit List → pass

App Management → push

detail:

First, upload App package in App List.

Then, audit package in App Audit List. If you pass the package, the package will show in App List, and you can push it to terminal. If you return the package, the package will show in App Returned. You can edit the package in App Returned and audit again.

how to create parameter download task?

steps:

Parameter Management → App Parameter → add your parameters → Generate New Version

Parameter List → find item which you create just now, and push to devices

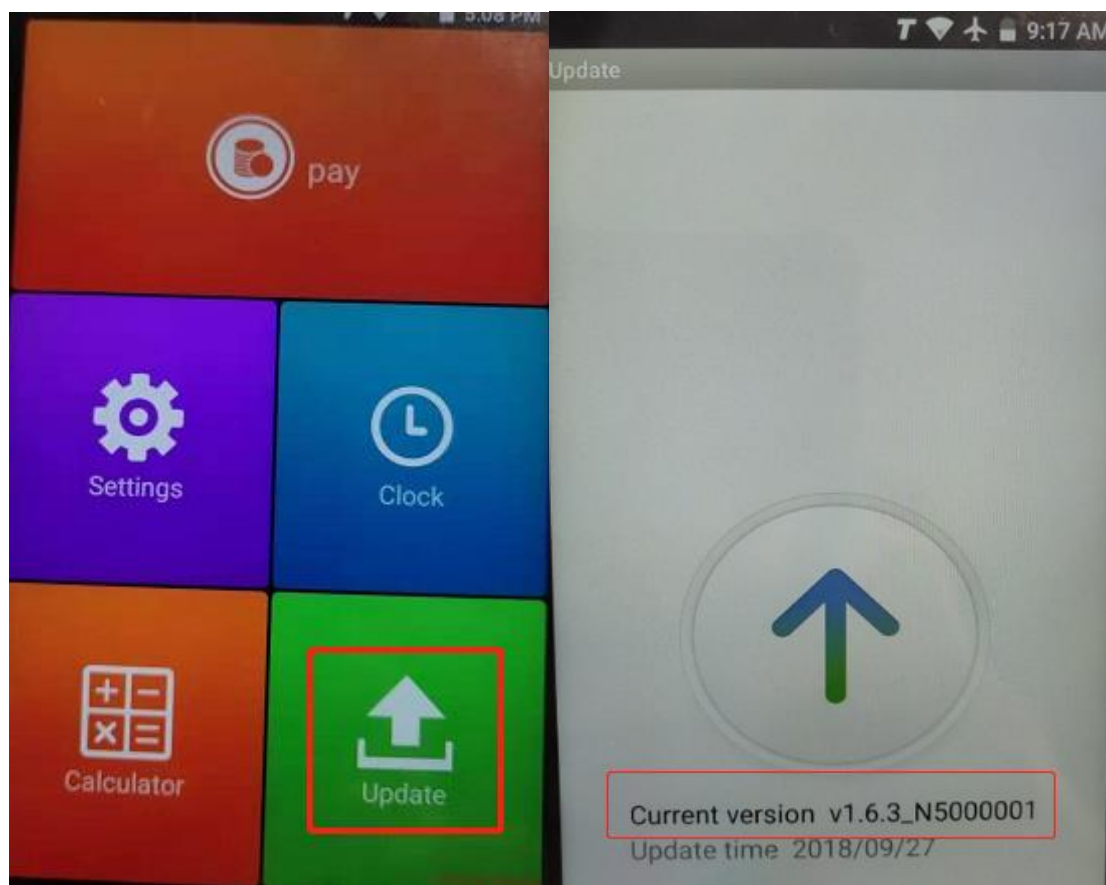
How to create system update task?

First, upload package in System Package List.

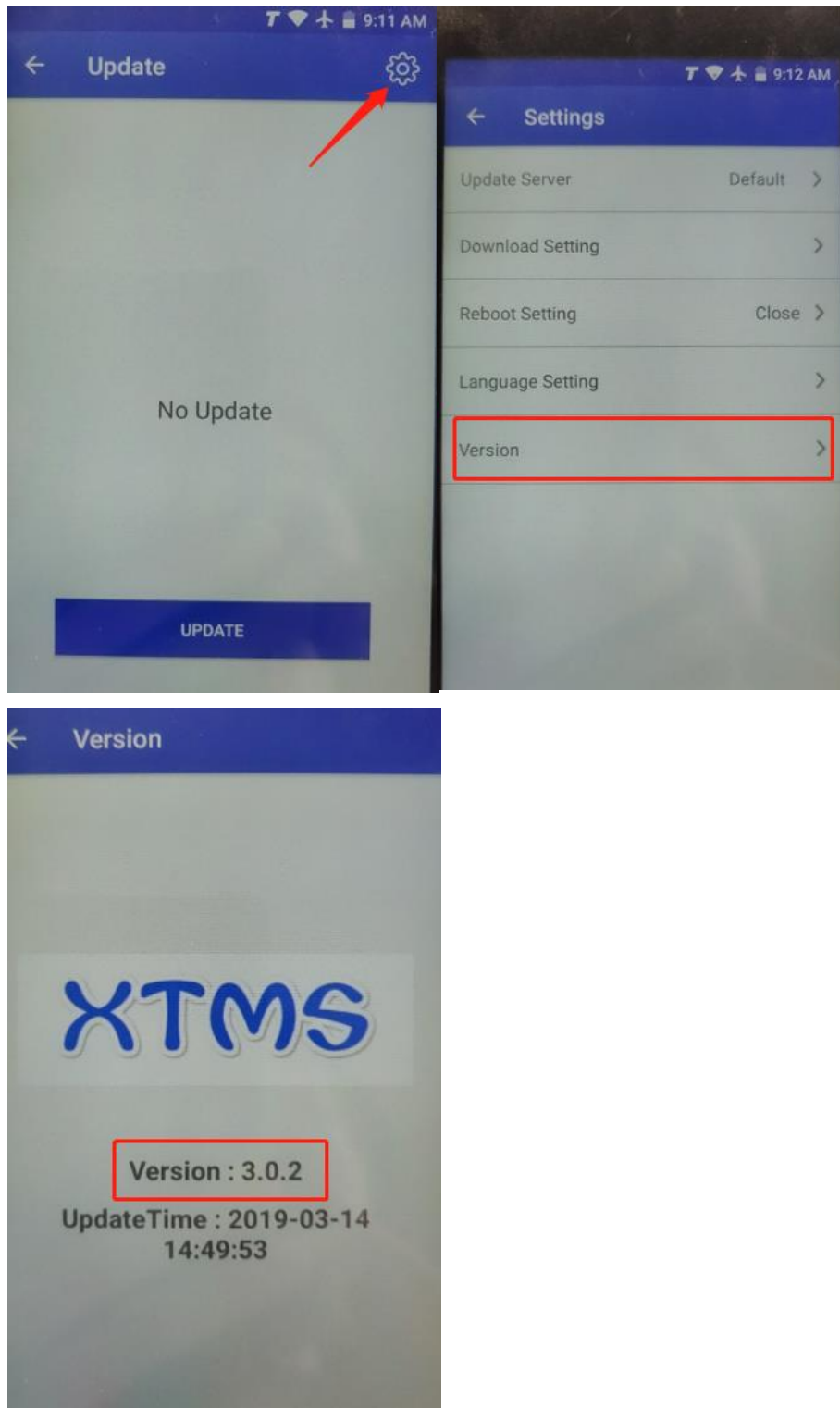
Then, audit package in System Audit List. If you pass the package, the package will show in System Package List, and you can push it to terminal. If you return the package, the package will show in System Returned List. You can edit the package in System Returned List and audit again.

How to check kernel version on the POS?

Update software



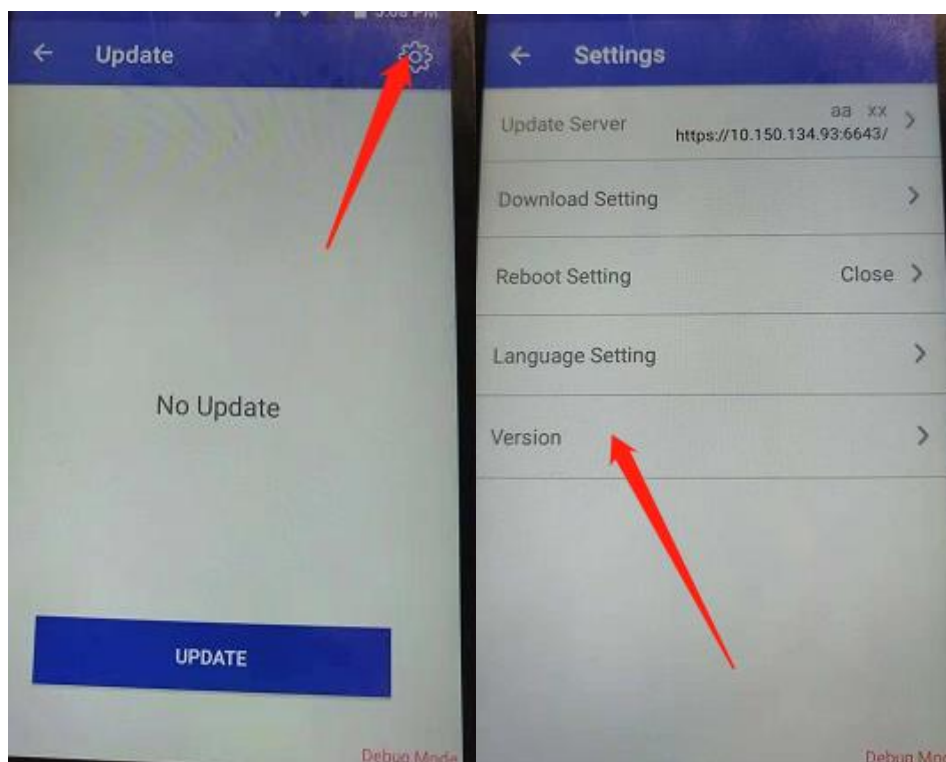
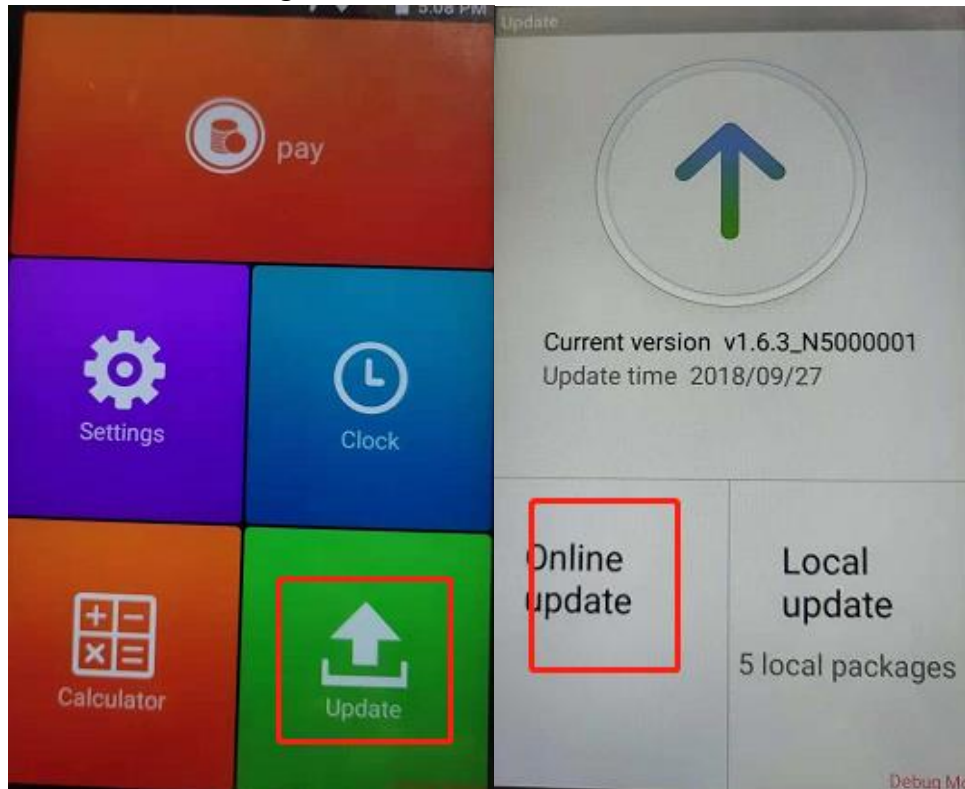
How to check XTMS software version on the POS?

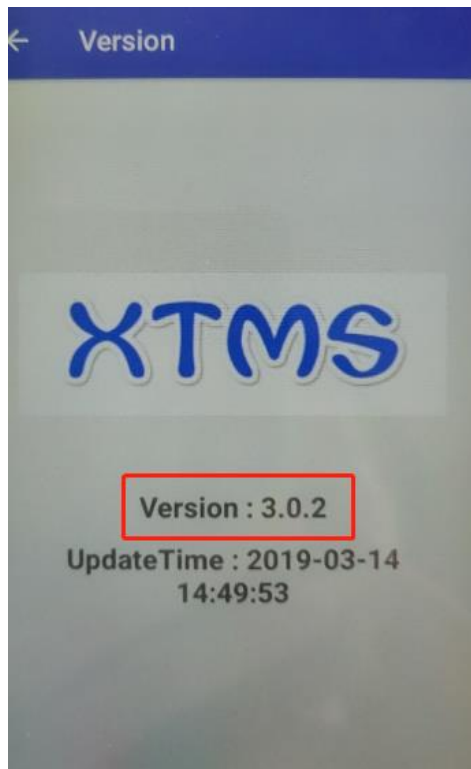


Device Operation

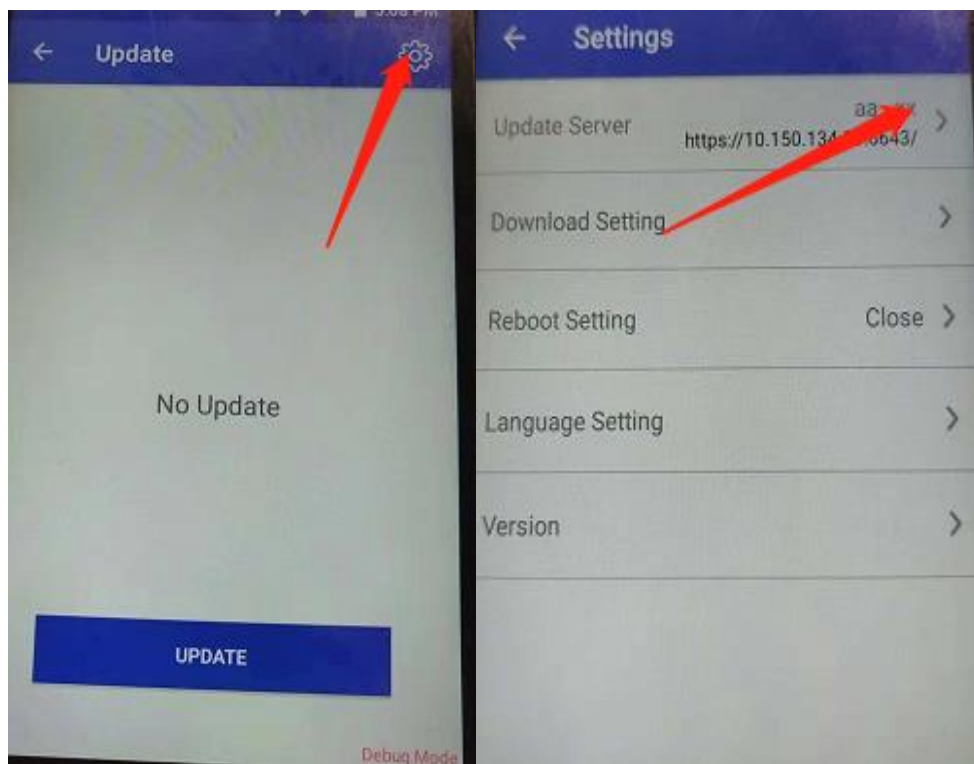
Checking XTMS version

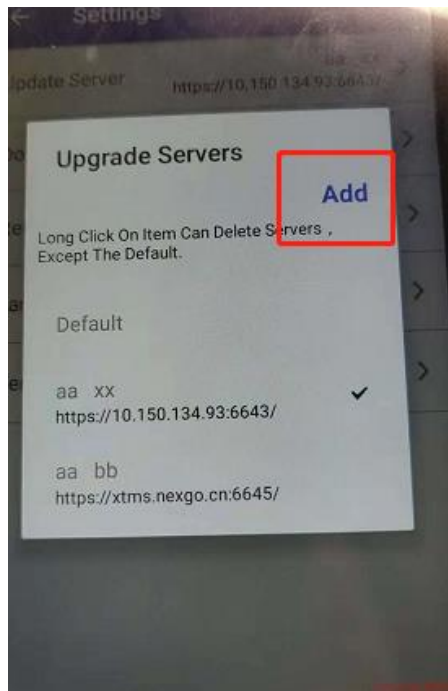
The version must be greater than 3.0.1





Setting XTMS Server IP and Port





Add New Server

Please Add Country Name
(e.g. USA)

Please Add Company Name
(e.g. Nexgo)

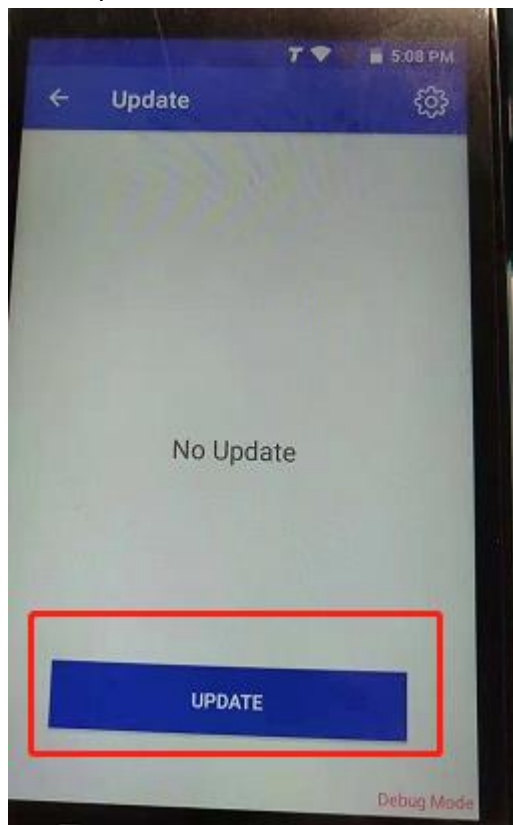
Add Either Domain Or Ip Will Be
OK, Domain Url Work First.

Please Add Domain Url
(e.g. http://www.google.com:80/)

Please Add Ip Url
(e.g. https://192.168.1.1:8080/)

Usually , url like this:
https://your_public_ip:6645/
for example:
<https://xtms.nexgo.cn:6645/>

Then update:



If device shows network err, please check public IP and port are available.