

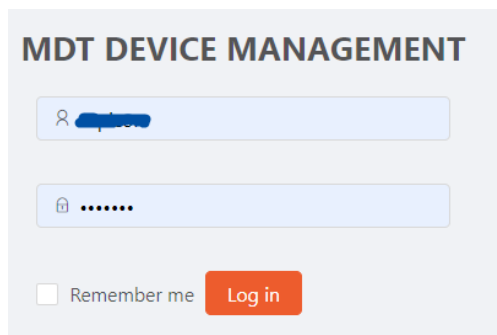
PaceBlade Mobile Device Management

Get Started - website UI explanation

Access to remote control server website: <https://www.paceblade.eu/paceblade-mobile-device-management>

Here's the login page:

Please input username and password.



The login form is titled "MDT DEVICE MANAGEMENT". It contains two input fields: a username field with a person icon and a password field with a lock icon and masked characters. Below the password field is a checkbox labeled "Remember me" and an orange "Log in" button.

Device Management website - User page explained

The User page is the first page you'll see after logging in.

Here you can change the password if needed.



The User page form includes four input fields: "Password:" with the value "password", "Confirm Password:" with the value "Confirm Password", "* Owner:" with a masked value, and "Gms Customer ID:" with a masked value. An orange "Save" button is located at the bottom right of the form.

Note: The IP and port that need to be opened in the firewall. Please check the server IP and port in the table below.

fw.topicon.hk mqtt.topicon.hk	8.209.103.42	443/TCP 8883/TCP	443: web UI of device management platform. 8883: <u>mqtt</u> broker server (data exchange between device and server)
	47.254.169.228	80/TCP 443/TCP 8883/TCP	80/443: web UI of device management platform. 8883: <u>mqtt</u> broker server (data exchange between device and server)
	240b:4005:f00::299	80/TCP 443/TCP 8883/TCP	80/443: IPv6 web UI of device management platform. 8883: IPv6 <u>mqtt</u> broker server (data exchange between device and server)
mysp.topicon.hk	8.217.12.233 240b:4001:11d:1c00:5f6 7:fa8:a6c6:3be7	8089/TCP 3478/TCP 40000~50000/UDP	8089: <u>webrtc api</u> server (for remote screen/shell feature) 3478: <u>webrtc</u> server (for remote screen/shell feature) 40000~50000 <u>webrtc</u> server (for remote screen/shell feature)

Device Management website - Devices page explained

Devices page displays all the information of different devices.

All Devices:

SN: Serial number

IMEI: Unique number

Type: Device model

OS now: Current firmware version

Status: Device's status: connected/disconnected.

OS to: Upgrade differential firmware.

Config: Download specific setting file.

ConfigStatus: Downloaded setting file name.

Upgrade msg: Firmware downloading progress "downloading/success/failed".

Wi-Fi: If enabled the Wi-Fi button, only update firmware and config file over Wi-Fi connection.

SN	IMEI	Type	OS now	status	OS to	Config	configStatus	upgrade msg	Wi-Fi
760023010490	356360670220118	mdt760	mdt760_1.8.4	connected				SUCCESS	NO
760023010489	356360670220191	mdt760	mdt760_1.8.4	connected				SUCCESS	NO
760023010488	356360670220134	mdt760	mdt760_1.8.4	connected				SUCCESS	NO
760023010487	356360670220084	mdt760	mdt760_1.8.4	connected				SUCCESS	NO

Note: User could write some remarks/tags for devices.

Group: User could group multiple devices with texts.

Group Selection: Use group selection to filter out the groups that you want to display.

Note	Group	upload log	log url	GMS
	ABC			not regis

Upload log: Request upload device's log.

Log url: URL

GMS: Enroll or deregister the GMS device.

Update Time: Displays the time of the last connection to the server.

Export: Export device information to Excel.

Type

All Devices

Group

mdt760

Export

Group Edit

<input type="checkbox"/>	SN	IMEI	Type	OS now	status	OS to	Config	configStatus	upgrade
<input type="checkbox"/>	760023200481	356360670287521	mdt760	mdt760_2.3.8	connected				success

You can specify the order and page items number before downloading. No need to select any checkbox. It will export all devices on the page.

Type

All Devices

Group

mdt760

Export

Group Edit

History

Search

<input type="checkbox"/>	SN	IMEI	Type	OS now	status	OS to	Config	configStatus	upgrade msg	Wi-Fi	Note
<input type="checkbox"/>	760023200481	356360670287521	mdt760	mdt760_2.3.8	connected				success	<input type="checkbox"/> NO	
<input type="checkbox"/>	760023200480	356360670287588	mdt760	mdt760_2.3.8	connected				success	<input type="checkbox"/> NO	
<input type="checkbox"/>	760023200479	356360670287471	mdt760	mdt760_2.3.8	connected				success	<input type="checkbox"/> NO	
<input type="checkbox"/>	760023200478	356360670287299	mdt760	mdt760_2.3.8	connected				success	<input type="checkbox"/> NO	
<input type="checkbox"/>	760023200477	356360670287513	mdt760	mdt760_2.3.8	connected				success	<input type="checkbox"/> NO	
<input type="checkbox"/>	760023200476	356360670287497	mdt760	mdt760_2.3.8	connected				success	<input type="checkbox"/> NO	
<input type="checkbox"/>	760023200475	356360670287562	mdt760	mdt760_2.3.8	connected				success	<input type="checkbox"/> NO	
<input type="checkbox"/>	760023200474	356360670287596	mdt760	mdt760_2.3.8	connected				success	<input type="checkbox"/> NO	
<input type="checkbox"/>	760023200473	356360670287620	mdt760	mdt760_2.3.8	connected				success	<input type="checkbox"/> NO	
<input type="checkbox"/>	760023201005	357734500227759	mdt760	mdt760_vehco_2.4.7	connected			mdt760_test_eth		<input type="checkbox"/> NO	

11-20 of 649 items

1

2

3

4

5

...

65

10 / page

10 / page

30 / page

50 / page

100 / page

Action

load log	log url	owner	IP	GMS	Update Time	Action
<input type="checkbox"/> NO		topicon		<input type="checkbox"/> not registered	2023-04-27 09:34:46	Edit Delete Ping Shell Screen ADB Reboot

Edit: Change the device's information manually.

- Change IMEI and SN**, It just changes the IMEI and SN displayed on the server page.
- Change Owner**, you can enter the new owner name directly to change the owner.
(It will check if the owner exists on the server side in case you entered the wrong owner.)
- OS to**, upgrade the firmware
- Change the **note** and **group** information.

Edit Device

* Model:
mdt860

* IMEI:
357734500175149

* multiple IMEIs (format: 1357911_246810...):
357734500175149

* SN:
860022080873

* Owner:
topicon

OS Now:
mdt860_gms_2.2.7

OS to:
3

note:
note

group:
group

Cancel
Save changes

Delete: delete the device from record.

Ping: send ping command to the device, if it's active, status will change to "connected".

Reboot: send reboot command to the device receives it only if it's active, please make sure device is active before reboot.

Shell: remote shell, you can use the adb command on the server.

Note: Some devices with older versions of the firmware do not support remote shell until they have been upgraded.

Remote Shell

```
Starting the Server...
Connecting...
checking
connected
:/ $ _
```

ADB: Remote ADB on your linux PC.

Remote ADB

i Run the following command on the terminal
Make sure that topice and adb has been installed on your PC.

Linux

Connect to device

\$ topice client -key=350930740012400 & open (install below topice_2.2.deb first)

\$ adb connect 127.0.0.1:5555 && sleep 2 && adb -s 127.0.0.1:5555 shell

Download

topice2.1.linux-amd64.tar.gz (3.6M) | topice_2.2.deb (2.8M)

Install

\$ sudo tar -zxvf topice2.1.linux-amd64.tar.gz -C /usr/bin

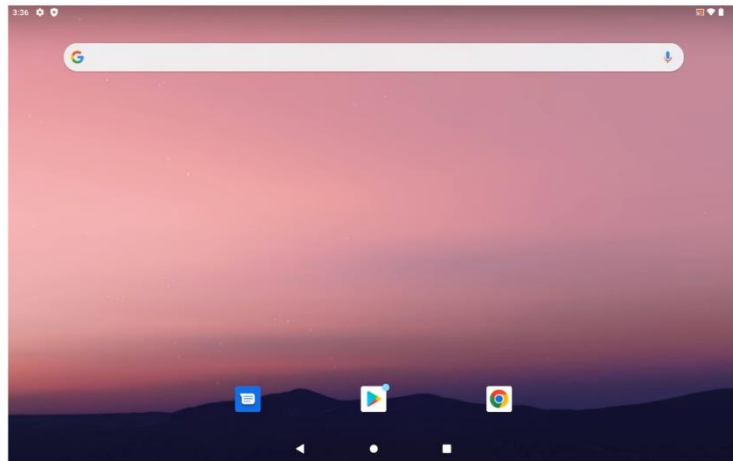
\$ sudo dpkg -i topice_2.2.deb

Screen: Remote Screen Control, you can control the tablet through device management remote server.

It works on the newer models SDT-121/MDT-801/MDT-805/MDT-870/LDT-101.

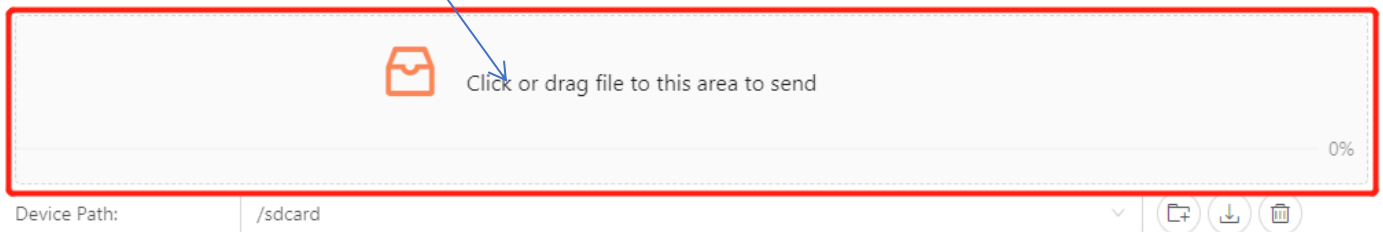
And works on the old model MDT-760 firmware version $\geq 2.4.5$ and MDT-860 firmware version $\geq 2.4.6$.

Remote Screen - mdt1065/12345678/357734500226090



Upload file

Click or drag a file or APK to this area to send to the device, and it will install the APK on the device automatically.



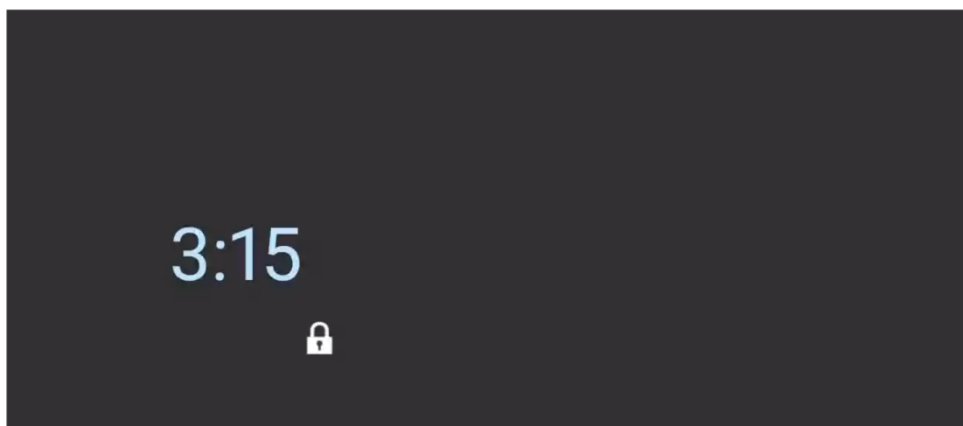
Download file

1. Choose file what you want to download
2. Click download button
3. Click the download file to download to the computer.



In order to protect the user's privacy, if the tablet is set with a screen lock or SIM card lock, it cannot be unlocked remotely.

Remote Screen - mdt865/865022480501/350930740012400



Device Management website – Devices

When device successfully connects to the server, the information will be loaded automatically.

Device Management						
User	mdt760					
Management	Group <input type="text"/>					
Devices						
	SN	IMEI	OS now	configStatus	OS to	
<input type="checkbox"/>	761020500259	357734500045151	mdt760_gms_1.4.7	erased perso	<input type="text"/>	...

OS to: It can upgrade to the latest version (for example v1.4.7.to v1.9.7)

Upgrade device with “OS now”, when you choose the latest firmware mdt760_gms_1.9.7, and the device will automatically upgrade from lower to higher version one by one (eg:1.4.7 to 1.6.5, 1.65 to 1.8.6, 1.8.6 to 1.9.7),

You may see several reset on the tablet as it may upgrade few times to reach the latest firmware version.

mdt760

Group

Group edit info

Group firmware upgrade

<input type="checkbox"/>	SN	IMEI	OS now	configStatus	OS to	Config	Wi-Fi
<input type="checkbox"/>	761020500259	357734500045151	mdt760_gms_1.4.7	erased perso	<div><div></div><div>none</div><div>mdt760_gms_1.6.5</div><div>mdt760_gms_1.8.6</div><div>mdt760_gms_1.9.7</div></div>	<div></div>	<div>NO</div>

Check the download status here, if it shows 'success', it means device is ready to upgrade

mdt760		Group <input type="text"/>		Group edit info Group firmware upgrade	
Group	upload log	log url	status	upgrade msg	GMS
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	connected	downloading... 57%	not registered
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	connected	success	not registered

You can click “none” to cancel the firmware download.

Type	OS now	status	OS to	Config	configStatus	upgrade msg
mdt760	mdt760_2.2.1	connected	mdt760_2.... ^	...		downloading... 0%
mdt760	mdt760_2.2.1	connected	none	...		
mdt760	mdt760_2.2.1	connected	mdt760_2.2.3	...		success

After upgrading the firmware, device's version will be updated at the next login.

mdt760

Group

Group edit info


Group firmware upgrade


<input type="checkbox"/>	SN	IMEI	OS now	configStatus	OS to	Config	Wi-Fi
<input type="checkbox"/>	761020500259	357734500045151	mdt760_gms_1.9 .7	erased perso			<input type="checkbox"/> NO

Config

Download specific setting file (if any), this would cooperate with the Management-Setting page

	SN	IMEI	OS now	configStatus	OS to	Config	Wi-Fi
<input type="checkbox"/>	761020500259	357734500045151	mdt760_gms_1.9 .7	erased perso			NO

You can click this icon  to cancel the config file download.

mdt760		Group Edit	History	Search
OS to	Config	configStatus	upgrade msg	Wi-Fi
	update_con... 			NO

Update schedule (Support scheduled firmware upgrade or upgrade after user confirmation)

Click the update schedule key to enter the schedule settings.

mdt860

Group

Group Edit

SN

IMEI

OS now

configStatus

OS to

update schedule

Config

Wi-Fi

860020500132

352031100181329

mdt860_11_0.9

YES

Upgrade firmware after user confirmation.

Select Type-> NOW -> user confirmed->Save changes

Device update schedule

Type:

NOW

NOW

WINDOWED

Cancel Save changes

Device update schedule

Type:

NOW

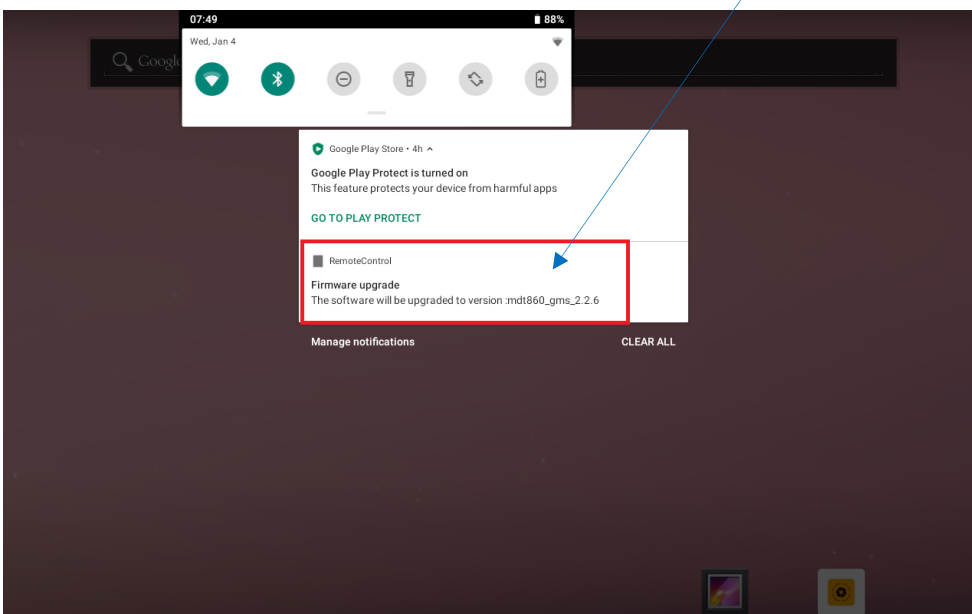
☒ user confirmed

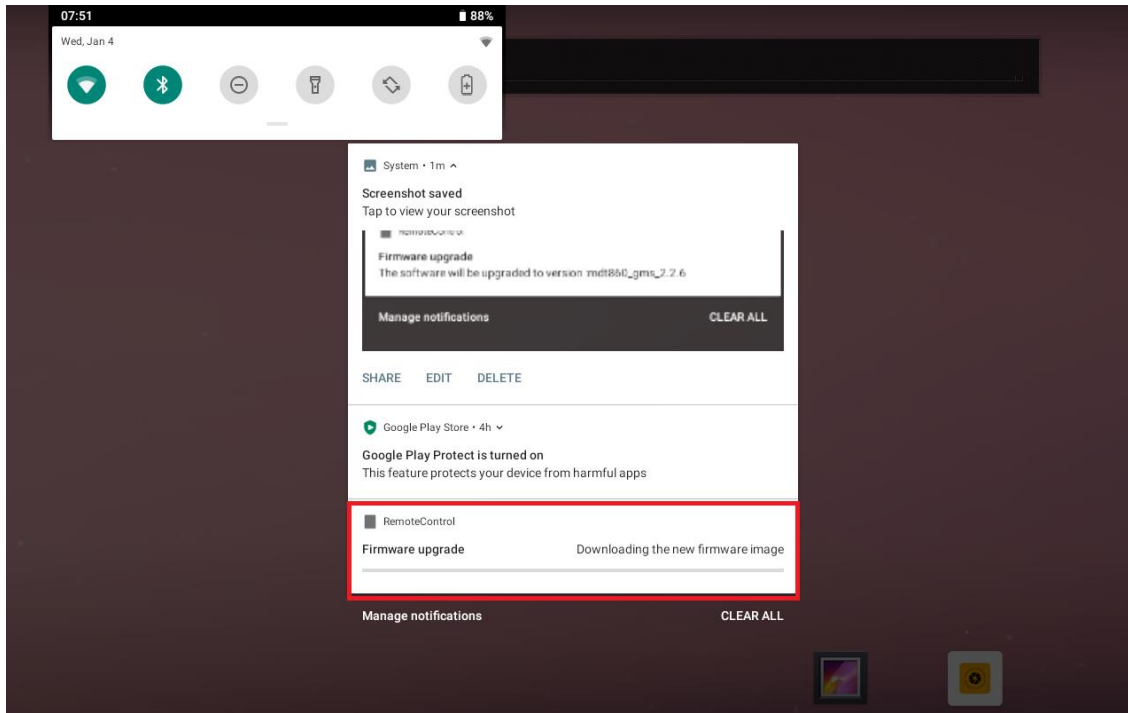
Cancel Save changes

Select the firmware you want to upgrade.

Type	OS now	status	OS to
mdt860	mdt860_gms_2.1 .5	connected	<div> </div> <div> none </div> <div> mdt860_11_gms_1.2.7 </div> <div> mdt860_gms_2.2.6 </div> <div> mdt860_gms_2.2.7 </div>
mdt860	mdt860_gms_2.1 .5	connected	
mdt860	mdt860_gms_2.1 .5	connected	

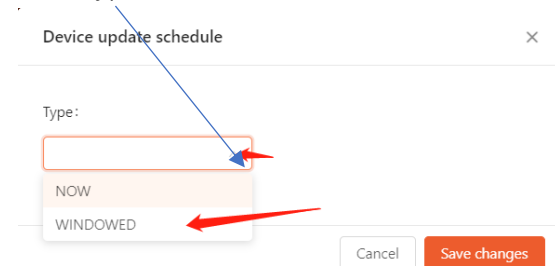
It will have a confirmation dialog on the top sliding menu, click it to confirm and start upgrading the firmware.



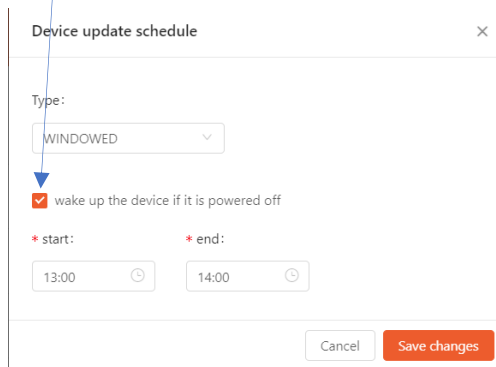


Firmware upgrade schedule

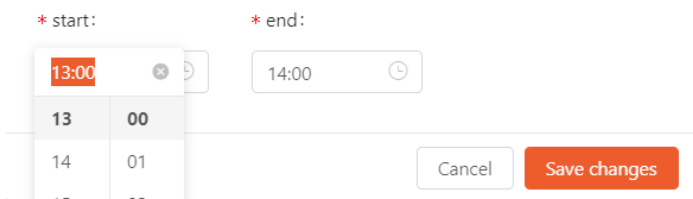
Select Type-> WINDOWED



When the "wake up the device if it is powered off" option is enabled, the device will wake up and upgrade the firmware even when it is powered off.



Set the start and end time for scheduled upgrade, and then click save changes



Select the firmware you want to scheduled upgrade.

mdt860								Group <input type="text"/>	Group Edit
<input type="checkbox"/>	SN	IMEI	OS now	configStatus	OS to	Config	Wi-Fi		
<input type="checkbox"/>	860020500132	352031100181329	mdt860_11_0.9	■	<div> <div></div> <div>none</div> <div>mdt860_11_0.9.4</div> </div>	<div><div></div></div>	<div>YES <input type="checkbox"/></div>		

WiFi option

Click the WiFi button to Yes, it only updates the firmware or config file when the device is connected to WiFi.

mdt860								Group <input type="text"/>	Group Edit
<input type="checkbox"/>	SN	IMEI	OS now	configStatus	OS to	Config	Wi-Fi		
<input type="checkbox"/>	860020500132	352031100181329	mdt860_11_0.9	■	<div> <div></div> <div>none</div> <div>mdt860_11_0.9.4</div> </div>	<div><div></div></div>	<div>YES <input type="checkbox"/></div>		

But, if select config->clear option, it will clear the perso file as long as the device's network is connected, regardless of the WiFi button on and off.

mdt860								Group <input type="text"/>	Group Edit
<input type="checkbox"/>	SN	IMEI	OS now	configStatus	OS to	Config	Wi-Fi		
<input type="checkbox"/>	860020500132	352031100181329	mdt860_11_0.9.4	■	<div> <div></div> <div>none</div> <div>mdt860_11_0.9.4</div> </div>	<div> <div></div> <div>clear</div> <div>update_config_mdt860_DemoBootanimation</div> </div>	<div>YES <input type="checkbox"/></div>		

Upload log

Click the button under "upload log" Device will send the percentage during upload progress

mdt760								Group <input type="text"/>	Group edit info	Group firmware upgrade	205002...	20500259
OS to	Config	Wi-Fi	Note	Group	upload log	log url	status					
<div> <div></div> <div>...</div> </div>	<div> <div></div> <div>...</div> </div>	<div>NO <input type="checkbox"/></div>			<div> <div>YES <input type="checkbox"/></div> <div>uploading...</div> <div>90%</div> </div>		<div>connected ■</div>					

URL will be available when it finishes upload

mdt760								Group <input type="text"/>	Group edit info	Group firmware upgrade	205002...	20500259
OS to	Config	Wi-Fi	Note	Group	upload log	log url	status					
<div> <div></div> <div>...</div> </div>	<div> <div></div> <div>...</div> </div>	<div>NO <input type="checkbox"/></div>			<div> <div>NO <input type="checkbox"/></div> </div>	<div> <div>mdt760_357734500045151.zip</div> </div>	<div>connected ■</div>					

Dynamic Setting

mdt865									Group Edit	Export
Type	SN	IMEI	Type	OS now	status	OS to	Config	Dynamic Setting		
<input type="checkbox"/>	865124130468	350930740098664 350930740098672	mdt865	mdt865_ngms_2 .2.8	connected ■	<div> <div></div> <div>...</div> </div>	<div> <div></div> <div>...</div> </div>	<div> <div></div> <div>...</div> </div>		
<input type="checkbox"/>	865025130488	350930740348788 350930740348796	mdt865	mdt865_ngms_2 .2.8	connected ■	<div> <div></div> <div>...</div> </div>	<div> <div></div> <div>...</div> </div>	<div> <div></div> <div>...</div> </div>		

Group Edit

If you would like to edit multiple devices (with the same action), you might tick the specific devices and click "Group edit"

It can group edit device information, upgrade group firmware and group configuration files.

mdt760		Group			Group Edit		History	Search
	SN	IMEI	OS now	status	OS to	Config	configStatus	upgrade msg
<input checked="" type="checkbox"/>	760022210061	356360670022233	mdt760_1.9.5	connected				success
<input checked="" type="checkbox"/>	760022210060	356360670022431	mdt760_1.5.6	connected				success

Group edit info

Click Group Edit->Click Information

Device Group Edit

Information

Firmware

Config

History

Edit Item Type:

☒ SN
 ☐ IMEI

* Model:

mdt760

* Current Edit Item:

760022210061,760022210060

Upload spreadsheet:

SN/IMEI is accepted and data be read from column A

Choose file

No file chosen

note:

group:

test device

ABC

'Note' would be changed for all the selected devices

'Group' would be changed for all the selected devices

Owner:

GMS:

not registered

Cancel

Save changes

Choose Edit item type: SN or IMEI

Current Edit Item: If there're too many devices to edit, please input the Serial Numbers or IMEI numbers here (separated by ',')
e. g. 760022210061,760022210060

You can also click "choose file" button to upload the SN/IMEI spreadsheet instead of manual input. and then to change note and group info, or enroll GMS device.

P.S. Need input the SN/IMEI into column A of the spreadsheet

	A	B
1	740021380280	
2	740021380281	
3	740021380282	
4	740021380283	
5	740021380284	
6	740021380285	
7	740021380286	
8	740021380287	

Group firmware upgrade

Click Group Edit->Click Firmware

Device Group Edit

Information

Firmware

Config

History

Edit Item Type:

☒ SN
 ☐ IMEI

* Model:

mdt760

* Current Edit Item:

You can upgrade multiple device's firmware at the same time.

Reminder: please note that only the matching OS To would apply to the designated devices.

OS To:

mdt760_1.5.1

mdt760_1.5.6

mdt760_1.7.8

mdt760_1.8.9

mdt760_1.9.5

mdt760_gms_1.6.5

mdt760_gms_1.8.6

mdt760_gms_1.9.7

Group Config file upgrade

Click Group Edit->Click Config

Device Group Edit
×

Infomation
Firmware
Config
History

Edit Item Type:

☒ SN
 ☐ IMEI

mdt760

* Current Edit Item:

760022210061,760022210060

Upload spreadsheet:

SN/IMEI is accepted and data be read from column A

Choose file

No file chosen

Config:

Cancel

Save changes

You can install configuration file into multiple devices at the same time.

Choose the config file what you want to install.

Config:

clear

update_config_mdt760_Avin_1661335247.zip

update_config_mdt760_avin_caera_server_reset_1662633320.zip






update_config_mdt760_avin_mdt760_1661332805.zip

update_config_mdt760_restrict_access_1662536008.zip

Group Edit History

Click Group Edit -> Click History

All group edit history will be displayed.

Device Group Edit			
Information	Firmware	Config	History
	Progress: 4/4 ["owner":"didcom"]	2022-09-01 03:27:47	View
	Progress: 4/4 ["owner":"daimler"]	2022-09-01 03:16:33	View
	Progress: 4/4 ["owner":"didcom"]	2022-09-01 03:13:11	View
	Progress: 5/5 ["owner":"smarttt"]	2022-09-01 03:03:12	View
	Progress: 24/24 ["owner":"sistemisoft"]	2022-08-29 08:03:21	View
<div> <div>Cancel</div> <div>Save changes</div> </div>			

Traffic Report

The Internet traffic report monitors the data traffic of your device. The report will show WiFi TX/RX and Mobile TX/RX values for the time period you select. The higher the value (Byte), the more data is consumed.

Note: Currently only works with Android 12 firmware > 2.3.1.

1. The device needs to be connected to the Internet.
2. Upload the SN or IMEI list what you need to get the Traffic report.

Device Group Edit - mdt765

Items

Firmware

Config

Traffic Report

More

History

Edit Item Type:

☒ SN
 ☐ IMEI

* Current Edit Item :

765024190501,765024480495,765024480494,765024480493,765024480492,765024480491,765024480490

Upload spreadsheet:

SN/IMEI is accepted and data be read from column A

Choose File

No file chosen

note:

group:

note

group

'Note' would be changed for all the selected devices

'Group' would be changed for all the selected devices

Owner:

GMS:

not registered

Cancel

Save changes

3. Click Traffic Report -> Enabled get Traffic Report option-> Select start date -> Click More -> Click Save changes.

Device Group Edit - mdt765

Items Firmware Config **Traffic Report** **More** History

Traffic report:

☒ get Traffic Report

select start date

« < Dec 2024 > »

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

Today

Cancel Save changes

4. Click History -> Click Download to get the Traffic Report

Device Group Edit - mdt765

Items Firmware Config Traffic Report More **History**

Progress: **7/7** success
2024-12-30 08:14:41
trafficReport: 1, trafficReportStart: 2024-12-25,

Download View

Progress: **1/1** success
2024-12-30 07:22:37
trafficReport: 1, trafficReportStart: 2024-12-29,

Download View

5. Traffic data:

Id	IMEI	Type	Wifi_rx	Wifi_tx	Mobile_rx	Mobile_tx	StartTime	EndTime	CreateTime
1	35111654000	mdt765	220566326	220566326	3828	9784	2024-12-25	2024-12-30	2024-12-30 08:14:41

Filter

With Device Advance Filter, we can search devices by many conditions, such as "firmware is A, config is B and Group is C". After click search button. Devices satisfy the conditions will be listed.

Device Advance Filter

×

Device Type:

mdt765 ▾

OS Now:

mdt765_ngms_2.3.3 ×

Config Status:

mdt765_perso-v1_testing_1734317245 ×

Group:

test0910 ×

Cancel

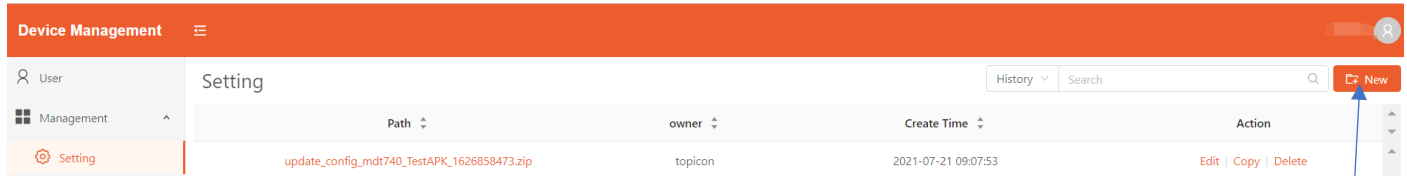
Search

Device Management website - Management page explained

Device Management website – Management (Setting)

Setting

Create setting file: change parameters/do factory reset/add additional .apk/... to the devices



Click “New” and you will see the selections.

Setting Parameters overview

Setting - New

Select keys to change behavior

☐ restrict_access
 ☐ disable_status_panel
 ☐ restrict_top_bar
 ☐ sd_launcher
 ☐ global_action_disabled
 ☐ navbar_disabled

☐ low_bat_warn_disabled
 ☐ volume_keys_disabled
 ☐ home_key_disabled
 ☐ recent_key_disabled
 ☐ cam_tap_pwr_disabled

long_home_intent:
 short_home_intent:
 report_user_activity:

Example: create a setting file for mdt740 device

1. Click ‘New’ on the top right corner
2. Select the device type
3. Input file name so that it could be easily found later, **setting file name cannot contain spaces.**
4. Edit the parameters or upload optional files if needed
5. Details could be found here
6. Click ‘Generate’ to make a setting file

Setting - New

Basic

* setting name: **3**
 * device type: **2**
 * owner:

Select keys to change behavior **4**

☐ restrict_access
 ☐ disable_status_panel
 ☐ restrict_top_bar
 ☐ sd_launcher
 ☐ global_action_disabled
 ☐ navbar_disabled

☐ low_bat_warn_disabled
 ☐ volume_keys_disabled
 ☐ home_key_disabled
 ☐ recent_key_disabled
 ☐ cam_tap_pwr_disabled

long_home_intent:
 short_home_intent:
 report_user_activity:

restrict_addon:

Select special purpose keys

☐ ntp_disabled
 ☐ agps_disabled
 ☐ portal_detect_disabled
 ☐ data_call_wake_lock
 ☐ time_permission_disabled
 ☐ can_block_system_notif

6

 5

7. Setting file is successfully uploaded, should see the file here as well:

Path	owner	Create Time	Action
update_config_mdt740_TestAPK_1626858473.zip	topicon	2021-07-21 09:07:53	Edit Copy Delete

Click Edit button can be to Re-edit the setting file.

Click Copy button to copy and create a new setting file, and user can re-edit the setting options and change the setting file name.

Click Delete button to delete the setting file.

8. Go to Devices page, select the setting file for the device to upgrade the config.

mdt740

Group Edit History Search

	SN	IMEI	OS now	configStatus	OS to	Config	Note	Group
<input type="checkbox"/>	740021050380	352031100201507	mdt740_gms_3.5.3			clear		
<input type="checkbox"/>	740021050379	357734500028173	mdt740_gms_3.5.3			update_config_mdt740_restrict_access_1559886777.zip		
<input type="checkbox"/>	740021050378	352031100199560	mdt740_gms_3.5.3			update_config_mdt740_root_1602220900.zip		
<input type="checkbox"/>						update_config_mdt740_test_1585822556.zip		

9. Config file download status will be displayed here

	SN	IMEI	OS now	configStatus	OS to	Config	Wi-Fi
<input type="checkbox"/>	860020500132	352031100181329	mdt860_11_0.9.4	<div><div></div></div> 20%		update_...	YES

10. If successfully downloaded, configStatus will show the setting file name.

mdt740

Group Edit

	SN	IMEI	OS now	configStatus	OS to	Config
<input type="checkbox"/>	740019510372	352031100076701	mdt740_gms_3.5.3	mdt740_SBASLogo		

GMS Device Usage

Device Management website – Management (GMS Pages)



Management: Enterprise, Policies, Gms_devices

Enterprise

First provide an admin email address for us to register a ZeroTouch customer ID.

Click on the "ZeroTouch" link to finish the setup.

Enterprises History ▾

Name ▾	logo ▾	color ▾	id ▾	owner ▾	Action
Topicon			enterprises/LC00n8rr7p	topicon	ZeroTouch Edit Default

Zero-touch Configuration

Topicon
 Account ID:
[Unlink](#)

[Link another account](#)

Configuration info

This configuration was automatically created based on your EMM

DEVICE POLICY CONTROLLER NAME

This configuration has been applied to 0 devices and all future devices that you purchase from a reseller.

[View devices in the zero-touch portal](#)

Support info

This info is shown to employees during setup

COMPANY NAME

EMAIL

PHONE

SUPPORT MESSAGE

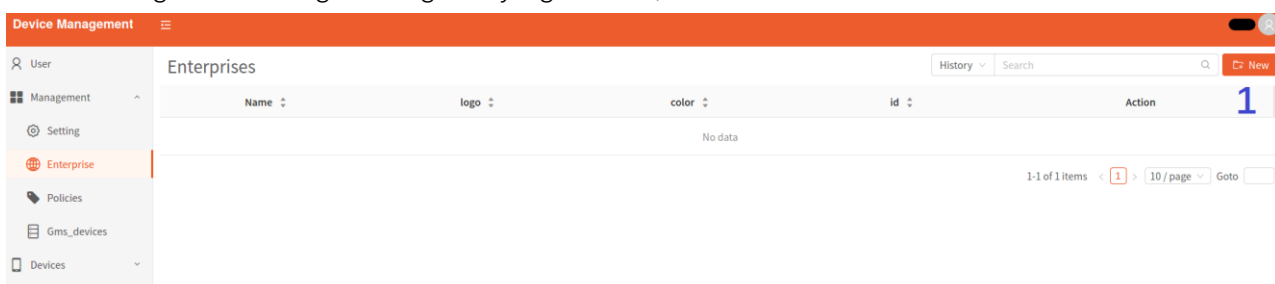
[Edit info](#)

Create a new enterprise

User could create enterprise in Enterprise page

Create an Enterprise:

1. Click "New"
2. Enter "Name" as enterprise name
3. Select the default color for this enterprise
4. Enter contact Email
5. Enable agree to Managed Google Play Agreement, and then click "Create"



Create New Enterprise

Name:
Test-1

logo:
Click to upload

color:
[Blue Square]

Contact Email:
katie.lau@topicon.hk

Data Protection Officer Name:
Jack Smith

Data Protection Officer Email: jsmith@company.com
Data Protection Officer Phone: +33 1 99 00 98 76 54

Eu Representative Name:
Ava Jones

Eu Representative Email: ajones@company.com
Eu Representative Phone: +33 1 99 00 12 34 56

☒ I agree to [Managed Google Play Agreement](#)

Cancel Create

Click Default to make the enterprise as default.

Test-1			enterprises/LC047hg2lw	topicon	ZeroTouch	edit Default
--------	--	--	------------------------	---------	-----------	-----------------------

Policies

After setting up an Enterprise, a “default” policy would be included. User could edit the default policy or create designated policies for devices.

A policy includes switches (*debug_allowed*, *password_required*, *unknown_sources_allowed*), applications and firmware upgrade schedule mode.

Create New Policy:

Click “New” on the top right corner of the Policies page.

Device Management

- User
- Management
 - Setting
 - Enterprise
 - Policies**
 - Gms_devices
 - Devices

Policies

Enterprises: enterprises/LC03dtb...

Name	Switches	Applications	Firmware upgrade schedule	Action
default	debug_allowed <input type="checkbox"/> NO password_required <input type="checkbox"/> NO unknown_sources_allowed <input type="checkbox"/> NO	Edit	Add	Remove

1-1 of 1 items < 1 10 / page Goto

Create New Policy

ID: enterprises/LC00n8n7p

Name:
Test-1

debug_allowed:
☒ YES

password_required:
☒ YES

unknown_sources_allowed:
☒ YES

New Applications:
Add

Firmware upgrade schedule:
N/A

Cancel Create

1. Enter “name” as policy name
2. Toggle the switches if needed
3. Click “Add” if new applications are needed
4. Click Create

Add applications

Click "Add applications" button

Applications ×

Add applications

+	packageName Configuration	Add Permission Remove
----------------	-----------------------------	---------------------------

Cancel
Save changes

Click "packageName" will enter to the Managed google play page.

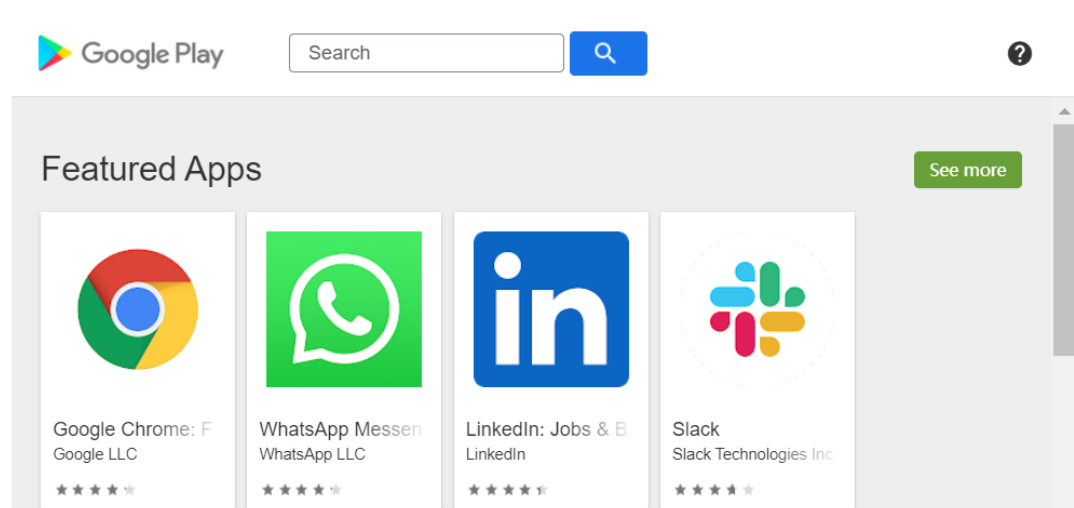
Applications ×

Add applications

+	packageName Configuration	Add Permission Remove
----------------	-----------------------------	---------------------------

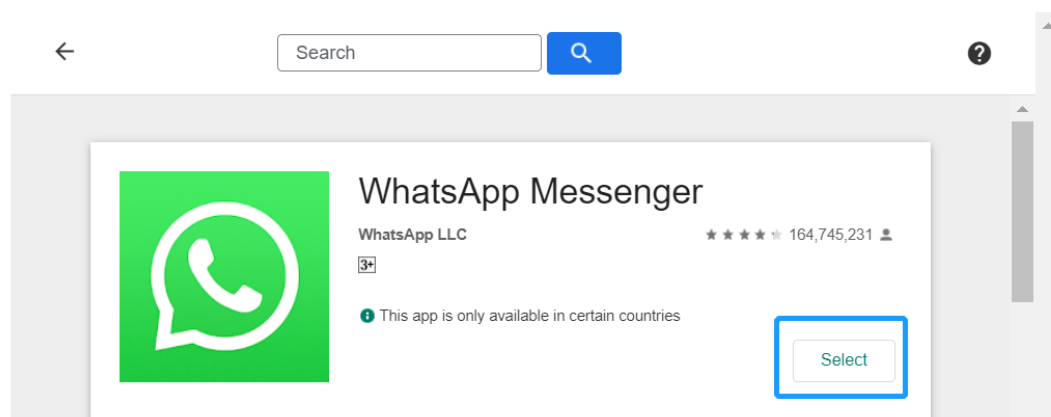
Cancel
Save changes

Managed Google Play



Select the App that you want to install.

Managed Google Play



Click Save changes, it will add to the new policy.

Applications ×

Add applications

+	com.whatsapp Configuration	Add Permission Remove
----------------	------------------------------	---------------------------

Cancel
Save changes

Add a preinstalled application

You can add the system Camera and Gallery app in the police.

Policies > Edit > Click "+" > fill in App Package Name > Select install type "PREINSTALLED" > Save changes

Our system camera package name is "hk.topicon.camera" and Gallery app package name is "com.android.gallery3d"

Name	Switches	Applications
Camera	debug_allowed YES password_required NO unknown_sources_allowed YES	Edit

Applications ×

Add applications

+	hk.topicon.camera Configuration	Add Permission Remove
+	com.android.gallery3d Configuration	Add Permission Remove

Cancel
Save changes

Applications ×

Add applications

-	hk.topicon.camera Configuration	Add Permission Remove								
	<table border="1"> <tr> <td>packageName</td> <td>hk.topicon.camera</td> </tr> <tr> <td>defaultPermissionPolicy</td> <td>GRANT</td> </tr> <tr> <td>installType</td> <td>PREINSTALLED ^</td> </tr> <tr> <td>autoUpdateMode</td> <td></td> </tr> </table>	packageName	hk.topicon.camera	defaultPermissionPolicy	GRANT	installType	PREINSTALLED ^	autoUpdateMode		
packageName	hk.topicon.camera									
defaultPermissionPolicy	GRANT									
installType	PREINSTALLED ^									
autoUpdateMode										
+	com.android.gallery3d Configuration	Add Permission Remove								

Cancel
Save changes

Applications



Add applications

-

hk.topicon.camera | Configuration

Add | Permission | Remove

packageName	hk.topicon.camera	
defaultPermissionPolicy	GRANT	
installType	PREINSTALLED	
autoUpdateMode	AUTO_UPDATE_DEFAULT	

-

com.android.gallery3d | Configuration

Add | Permission | Remove

packageName	com.android.gallery3d	
defaultPermissionPolicy	GRANT	
installType	PREINSTALLED	
autoUpdateMode	AUTO_UPDATE_DEFAULT	

Cancel

Save changes

Choose a mode for policy upgrade schedule if needed.

Firmware upgrade schedule:

WINDOWED

N/A

AUTOMATIC

WINDOWED

POSTPONE

Select time

Cancel

Create

After creating a new policy, it will be shown under Policies page.

User could toggle the switches, edit the applications or change mode of policy upgrade schedule

Policies

Enterprises enterprises/LC00n8rr7p

History

Search

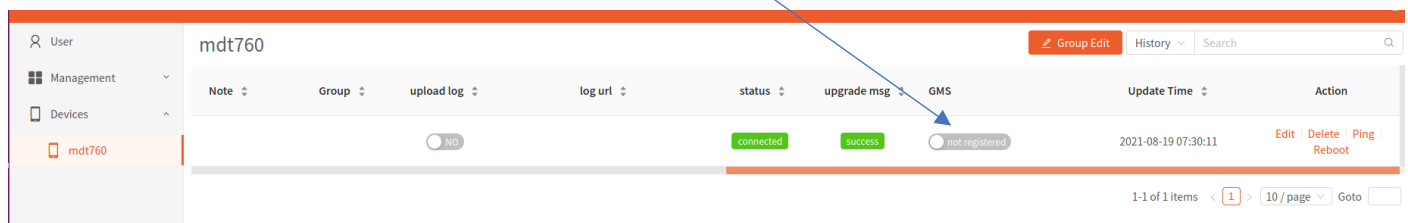


Name	Switches	Applications	Firmware upgrade schedule	Action
Test-1	debug_allowed YES password_required YES unknown_sources_allowed YES	Edit	Add	Remove
default	debug_allowed YES password_required YES unknown_sources_allowed YES	Edit	AUTOMATIC	

Enroll a GMS device:

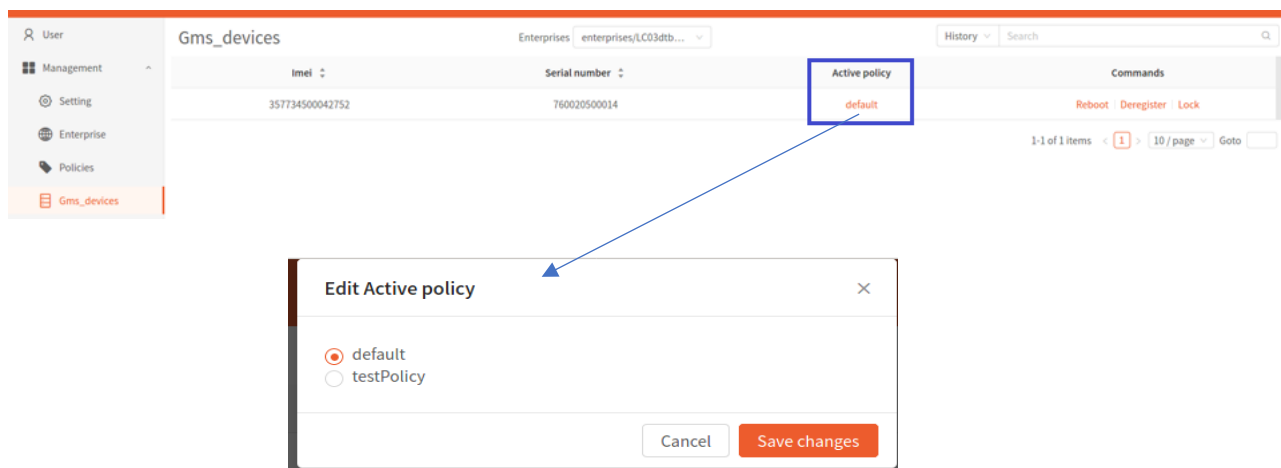
After setting up the Enterprise, user could enroll or deregister devices

1. Go to Devices page > find the specific device > click the button under GMS to enrolled

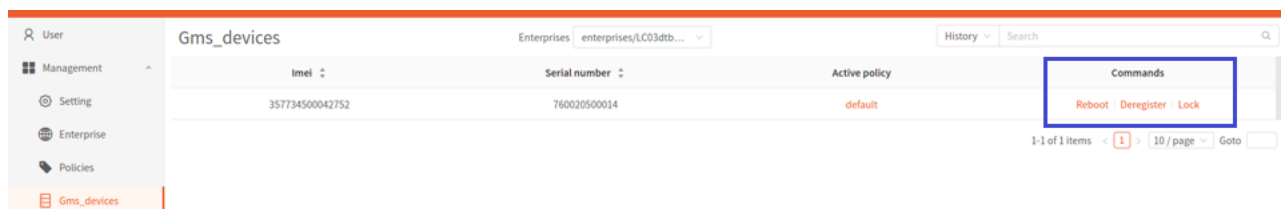


2. Factory reset the device and follow the instructions after startup after device successfully setup, user might see the device information on Gms_devices page

3. User could choose the policy (from Policies page) under Active policy



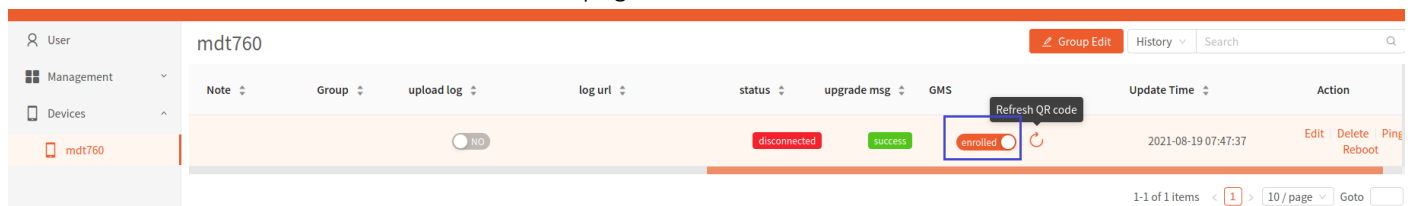
4. User could send commands (Reboot/Deregister/Lock) to device under Commands



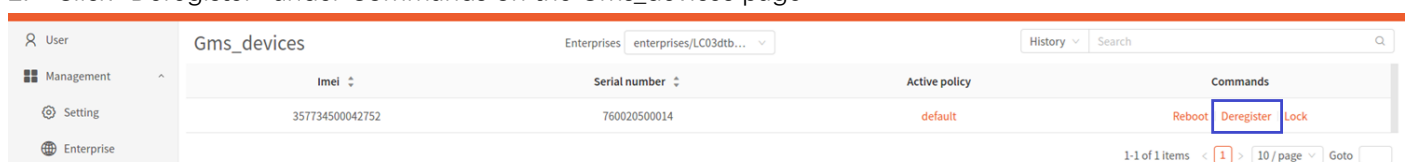
Deregister GMS Device

There are two ways to deregister a device:

1. Click the button under GMS on the Devices page



2. Click "Deregister" under Commands on the Gms_devices page



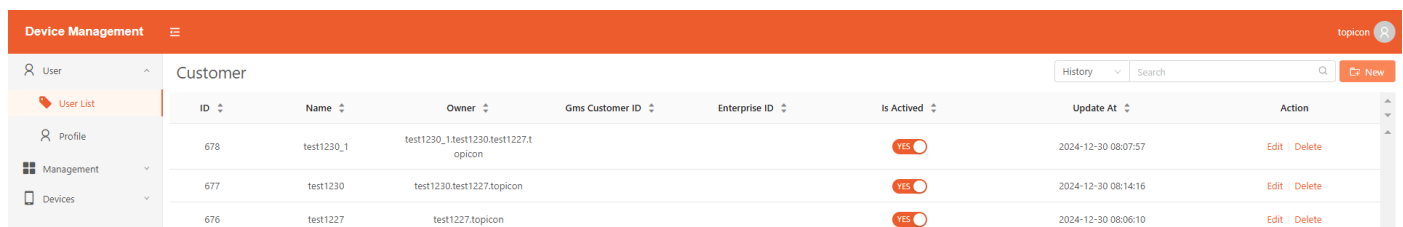
Sub-Admin Function

The Sub-Admin function enables the customer to create and manage their own customers (sub-users) without going through the super administrator.

Sub-Admin can also assign their own devices to sub-users. Allow sub-users to manage these devices independently.

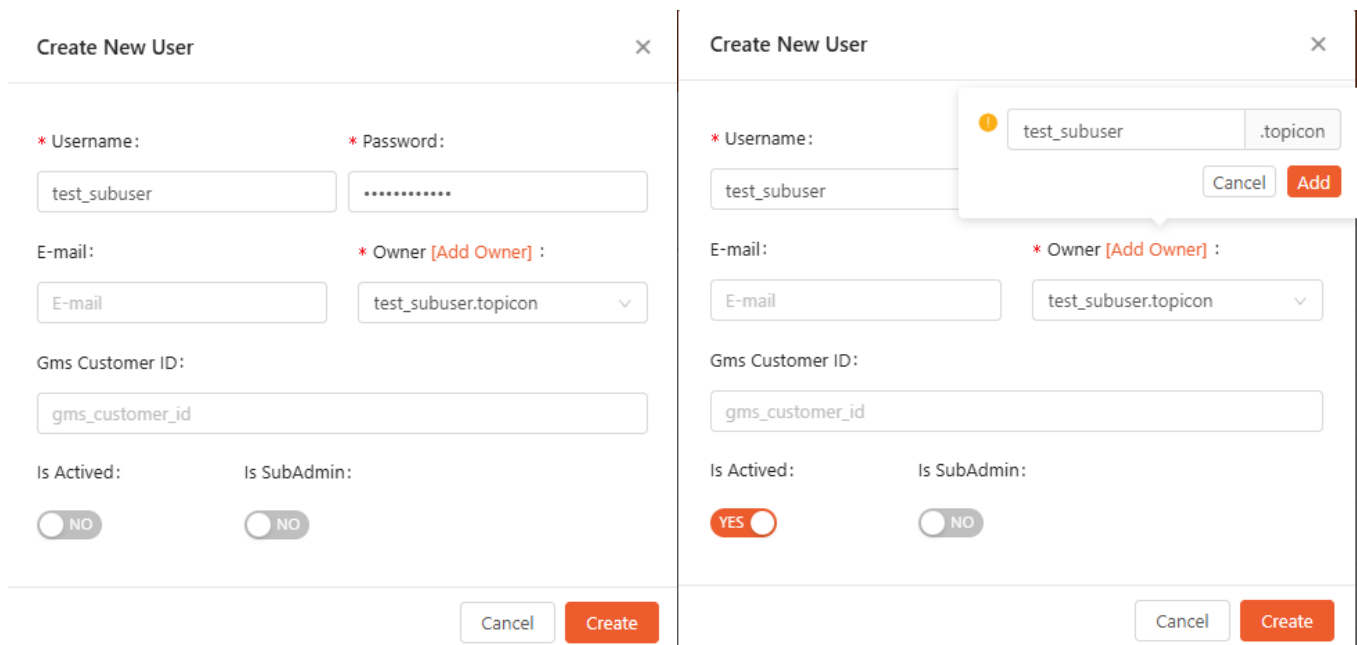
Sub-Admin usage

Log in with the account that has activated sub-admin privileges:



ID	Name	Owner	Gms Customer ID	Enterprise ID	Is Active	Update At	Action
678	test1230_1	test1230_1.test1230.test1227.t.opicon			YES	2024-12-30 08:07:57	Edit Delete
677	test1230	test1230.test1227.topicon			YES	2024-12-30 08:14:16	Edit Delete
676	test1227	test1227.topicon			YES	2024-12-30 08:06:10	Edit Delete

1. Click user List
2. On the user list page, click the "New" button in the upper right corner, the user information input page pops up.
3. Fill in the username, password, and Add owner.
4. Enable "Is Activated", (If necessary, enable Is SubAdmin) Click "Create"



* Username:

* Password:

E-mail:

* Owner [Add Owner] :

Gms Customer ID:

Is Activated:

☐ NO

Is SubAdmin:

☐ NO

Cancel

Create

* Username:

* Password:

E-mail:

* Owner [Add Owner] :

Gms Customer ID:

Is Activated:

☒ YES

Is SubAdmin:


☐ NO

Cancel

Create

Role access control

1. Create a User-Role

Device Management							topicon
User	Role						History Search 
List	ID	Name	Owner	Status	Update At	Action	
Role	18	test1	topicon	YES	2025-07-17 02:29:48	Edit Delete	
Profile	14	topicon-test	topicon	YES	2025-07-11 08:53:10	Edit Delete	

Click User Role

Click “New” button on the upper right corner to create a new Role

Input the Role name

Select Role permissions (Note that users can only use the selected permissions)

New Role

Name:

Permissions:

☐ device/reboot
☐ device/remote_adb
☐ device/delete
☒ device/remote_screen
☒ device/remote_shell
☐ device/edit

Active:

YES

Owner:



Cancel

Create

2. Specify the user's role

Select the sub-user that you want to specify the role for.

Click “Edit”

Device Management							topicon
User	Customer						History Search 
List	ID	Name	Owner	Gms Customer ID	Enterprise ID	Is Activated	Update At Action
Role	752	topicon-test	topicon-test:topicon			YES	2025-07-11 08:54:30  Delete

Select a role for your sub-user.

Edit User

* Username:

topicon-test

* Password:

E-mail:

E-mail

* Owner [Add Owner]:

topicon-test.topicon

Gms Customer ID:

gms_customer_id

Is Activated:

YES

Is SubAdmin:

NO

Role:

Test

none

Test

test1

Cancel

Save changes

3. After the user logs in, their permissions are restricted according to their role.

Dynamic Setting

The Dynamic Setting feature is used to copy the settings of one device to another device. Please make sure that both devices are online when using this function.

1. Create a new Dynamic Setting file

Click “New” button in the upper right corner.

Device Management

User

Management

Configuration

Setting

Dynamic Setting

Dynamic Setting

name

owner

Create Time

Action

dynamic_setting_mdt865_350930740056845_1751599637	test_1034.topicon	2025-07-04 03:27:17	Edit Delete
dynamic_setting_mdt865_350930740219104_1751534878	topicon	2025-07-03 09:27:58	Edit Delete
dynamic_setting_mdt865_11223344_1751529707	test_1549.topicon	2025-07-03 08:01:47	Edit Delete

Enter and search the SN of the device that you want to use for the copy setting.

Noted that the device needs to be connected to the Internet.

Choose Device All Devices

865024490643

□

SN	IMEI	OS Now	type
865024490643	350930740316843	mdt865_14_ngms_1.8.7	mdt865

1-1 of 1 items

1

10 / page

Goto

Cancel

OK

Click “OK” button will show the setting information as below.

DynamicSetting - Add

Basic

• setting name:

dynamic_setting_mdt865_350930740311

• device type:

mdt865

• owner:

topicon

global

adb_wifi_enabled: 0
window_animation_scale: 1.0
multi_sim_data_call: -1
mode_ringer: 2
device_name: mdt865
dock_sounds_enabled_when_accessibility: 0
mobile_data: 1
max_sound_trigger_detection_service_ops_per_day: 1000
anomaly_config_version: 11
trusted_sound: /product/media/audio/ui/Trusted.ogg
wifi_max_dhcp_retry_count: 9
heads_up_notifications_enabled: 1
sms_short_codes_metadata_url: https://www.gstatic.com/android/config_update/06092025-
sms-denylist-metadata.txt
bluetooth_disabled_profiles: 0
desk_undock_sound: /product/media/audio/ui/Undock.ogg
device_provisioning_mobile_data: 1
network_recommendations_enabled: 1
satellite_mode_enabled: 0
location_ignore_settings_package_whitelist: com.google.android.gms,com.google.android.dialsdock_trigger_detection_service_op_timeout: 15000
or

low_battery_sound_timeout: 0
battery_stats_constants: track_cpu_times_by_proc_state=false
ble_scan_balanced_interval_ms: 730
default_install_location: 0
wifi_networks_available_notification_on: 1
activity_starts_logging_enabled: 1
emergency_tone: 0
add_users_when_locked: 0
ble_scan_always_enabled: 1
unlock_sound: /product/media/audio/ui/Unlock.ogg
airplane_mode_toggleable_radios: bluetooth,wifi
low_power: 0
charging_started_sound: /product/media/audio/ui/ChargingStarted.ogg
user_disabled_hdr_formats
night_display_forced_auto_mode_available: 0
mobile_data_always_on: 1
dock_sounds_enabled: 0
enable_non_resizable_multi_window: 0
emergency_gesture_power_button_cooldown_period_ms: 3000
stay_on_while_plugged_in: 0

car_undock_sound: /product/media/audio/ui/Undock.ogg
settings_use_psd_api: 1
verifier_timeout: 17000
wifi_display_on: 0
ble_scan_low_power_window_ms: 140
bluetooth_on: 0
cert_pin_content_url: https://www.gstatic.com/android/config_update/08202014-pins.txt
dock_audio_media_enabled: 1
adb_enabled: 1
airplane_mode_radios: cell.bluetooth,usb,wifi,wimax
zram_enabled: 1
gnss_satellite_blocklist
zen_mode_ringer_level: 2
preferred_network_mode: 9,9
send_action_app_error: 1
wifi_sleep_policy: 2
wifi_scan_always_enabled: 1
sqlite_compatibility_wal_flags
car_dock_sound: /product/media/audio/ui/Dock.ogg
power_sounds_enabled: 1
location_hardware_thread_interval_ms: 600000

Generate

Cancel

Click "Generate" button to create a dynamic setting file "dynamic_setting_mdt865-xxxx"

Dynamic Setting

name	owner	Create Time
dynamic_setting_mdt865_350930740316843_1754648208	topicon	2025-08-08 10:16:48

Open Devices page and select the device you want to import the Dynamic settings file to and then choose the Dynamic Setting file.

Type: All Devices

mdt865

Group Edit

Export

Filter

History

	SN	IMEI	Type	OS now	status	OS to	Config	Dynamic Setting	configStatus	up
<input type="checkbox"/>	865024400052	350930740232925 350930740232933	mdt865	mdt865_14_ngm s_2.0.4	connected			316843 dynamic_setting_mdt865_350930740316843_1754648208	mdt865_requestvideo_17543 69008	

Clicking the "OK" button will automatically download the dynamic settings file to your device.

☐ Select
dynamic_setting_mdt865_35093074031684
3_1754648208?

Cancel

OK