PaceBlade Mobile Device Management
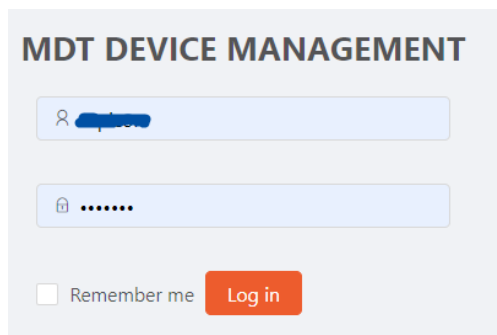
Get Started - website UI explanation

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

Here's the login page:
Please input username and password.

MDT DEVICE MANAGEMENT

- [username field]
- [password field]
- ☐ Remember me **Log in**

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.

Password:	password
Confirm Password:	Confirm Password
* Owner:	
Gms Customer ID:	

Save

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: mqtt 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: mqtt 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 mqtt 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: webrtc api server (for remote screen/shell feature) 3478: webrtc server (for remote screen/shell feature) 40000~50000 webrtc 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.

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.

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.

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.

Action

Edit: Change the device's information manually.

1. **Change IMEI and SN**, It just changes the IMEI and SN displayed on the server page.
2. **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.)
3. **OS to**, upgrade the firmware
4. Change the **note** and **group** information.

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.
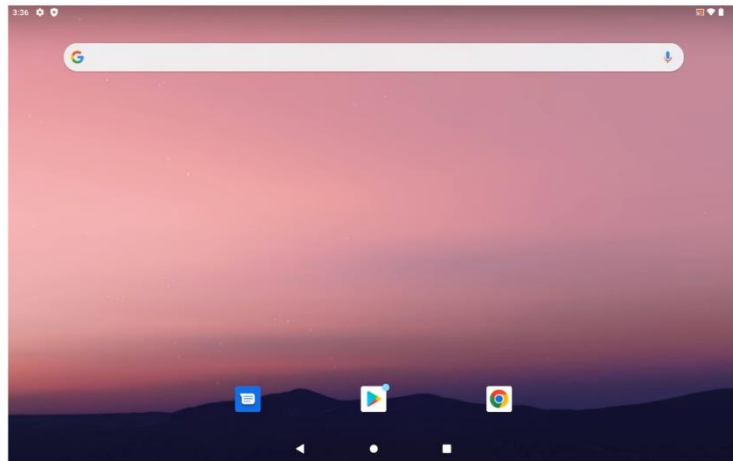

ADB: Remote ADB on your linux PC.

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

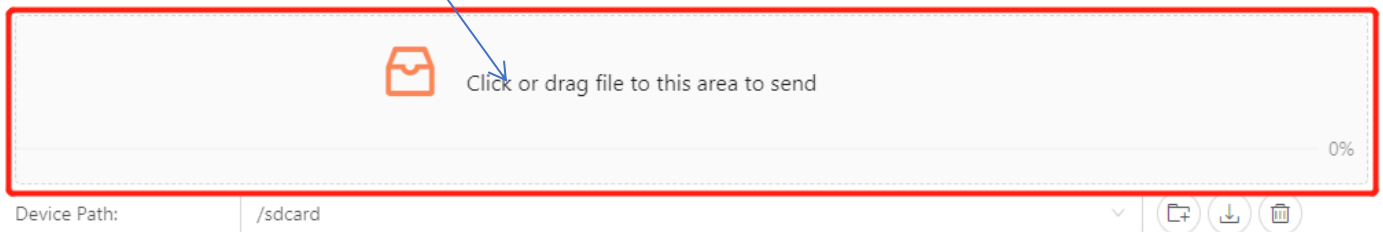It works on the newer models SDT-121/MDT-801/MDT-805/MDT-870/LDT-101.

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

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.
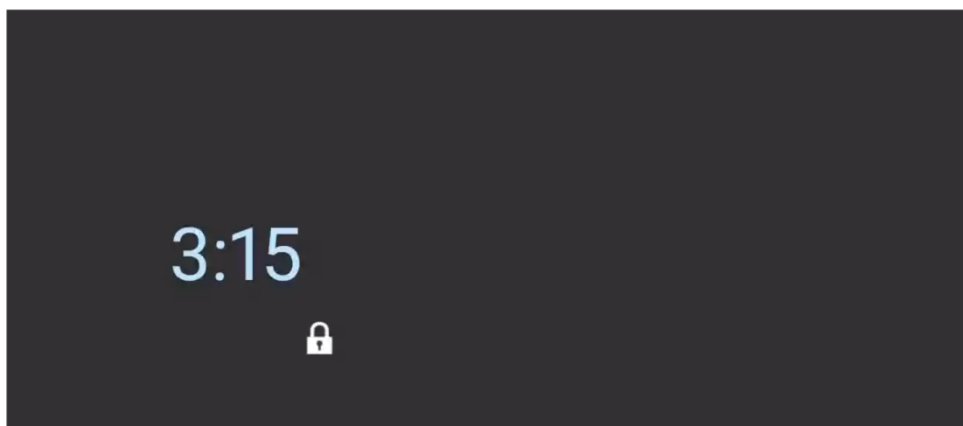

Download file

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.

Device Management website – Devices

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

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.

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

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%
			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

☐	SN	IMEI	OS now	configStatus	OS to	Config	Wi-Fi
☐	761020500259	357734500045151	mdt760_gms_1.9.7	erased perso	[ ] ···	[ ]	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
☐	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... ▾ ⊗ Cancel config download			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	Config	Wi-Fi
☐	860020500132	352031100181329	mdt860_11_0.9	[■]	[ ] ··· (update schedule)	[ ]	YES

Upgrade firmware after user confirmation.
Select Type-> NOW -> user confirmed->Save changes

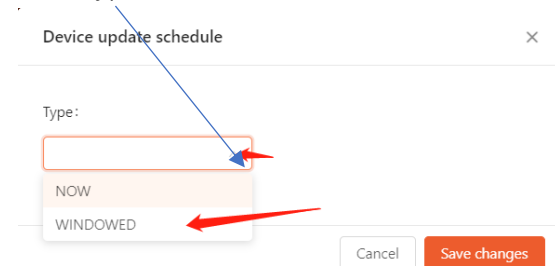Select the firmware you want to upgrade.

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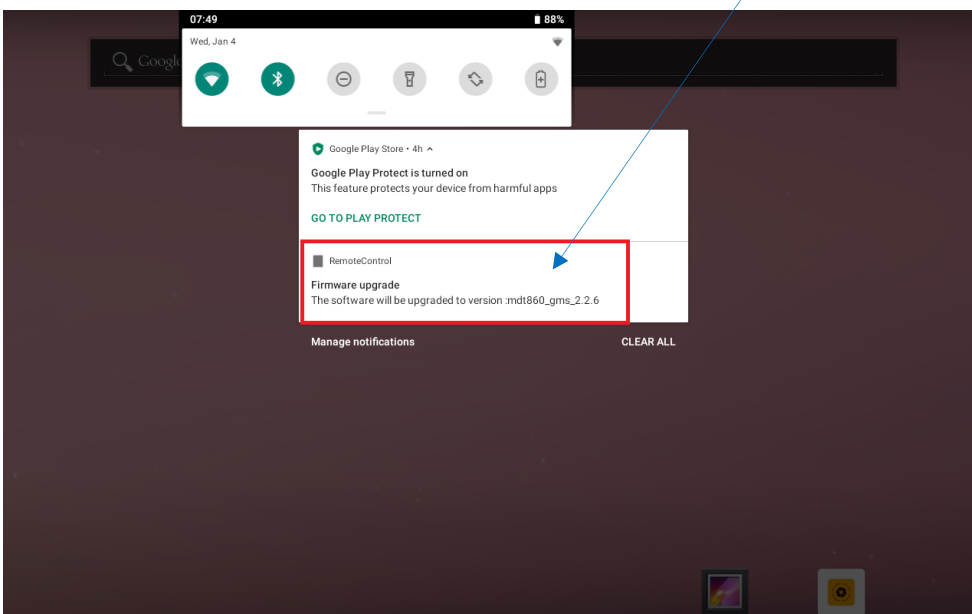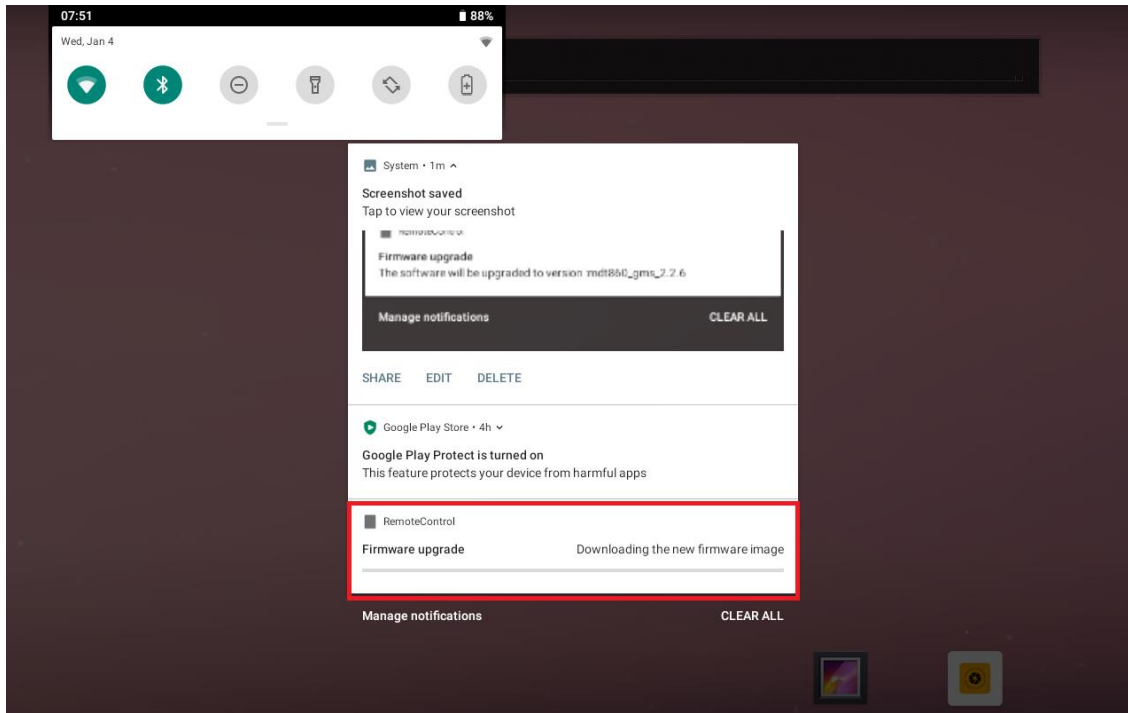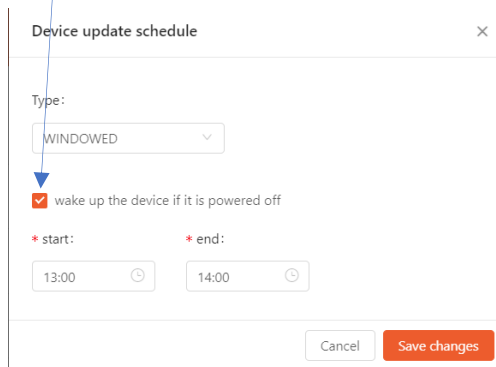
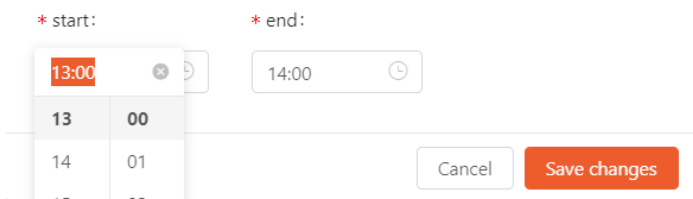**Firmware upgrade schedule**

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.

WiFi option

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

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.

Upload log

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

URL will be available when it finishes upload

Dynamic Setting

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.

Group edit info

Click Group Edit->Click Information

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

Group firmware upgrade

Click Group Edit->Click Firmware

11

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: * Model:

◉ 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.

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.

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

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

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 with be listed.

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
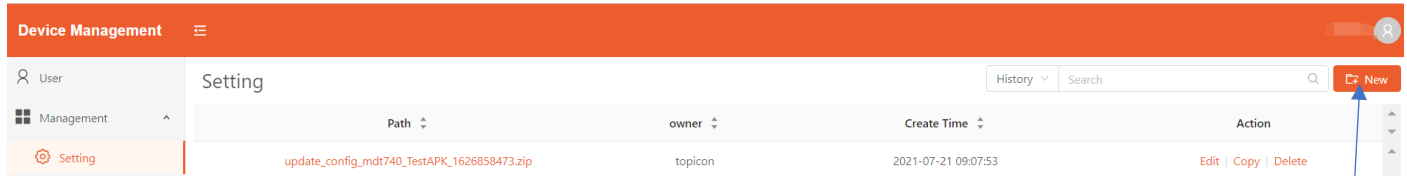
Click "New" and you will see the selections.
Setting Parameters overview

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

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

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.

9. Config file download status will be displayed here

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

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.

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"
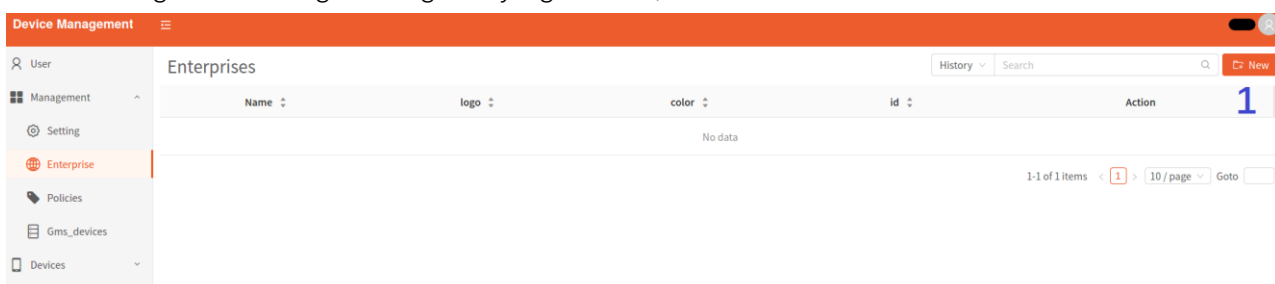
Create New Enterprise   ✕

* Name:

Test-1   **2**

logo:

⤒ Click to upload

* color:

■   **3**

* Contact Email:

katie.lau@topicon.hk   **4**

Data Protection Officer Name:

Jack Smith

Data Protection Officer Email: Data Protection Officer Phone:

jsmith@company.com   +33 1 99 00 98 76 54

Eu Representative Name:

Ava Jones

Eu Representative Email: Eu Representative Phone:

ajones@company.com   +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	dit | Default

Make it as 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

Policies   Enterprises enterprises/LC03dtb... ∨   History ∨ Search   New

Name	Switches	Applications	Firmware upgrade schedule	Action
default	debug_allowed NO password_required NO unknown_sources_allowed NO	Edit	Add	Remove

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- User
- Management ∧
  - ⚙ Setting
  - 🌐 Enterprise
  - 🏷 Policies
  - 📄 Gms_devices
- 📱 Devices ∨

Create New Policy   ✕

ID:

enterprises/LC00n8rr7p

* Name:

Test-1

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

* debug_allowed:

YES ⬤

* password_required:

YES ⬤

* unknown_sources_allowed:

YES ⬤

New Applications:

Add

Firmware upgrade schedule:

N/A ∨

Cancel   Create

Add applications

Click "Add applications" button

Click "packageName" will enter to the Managed google play page.
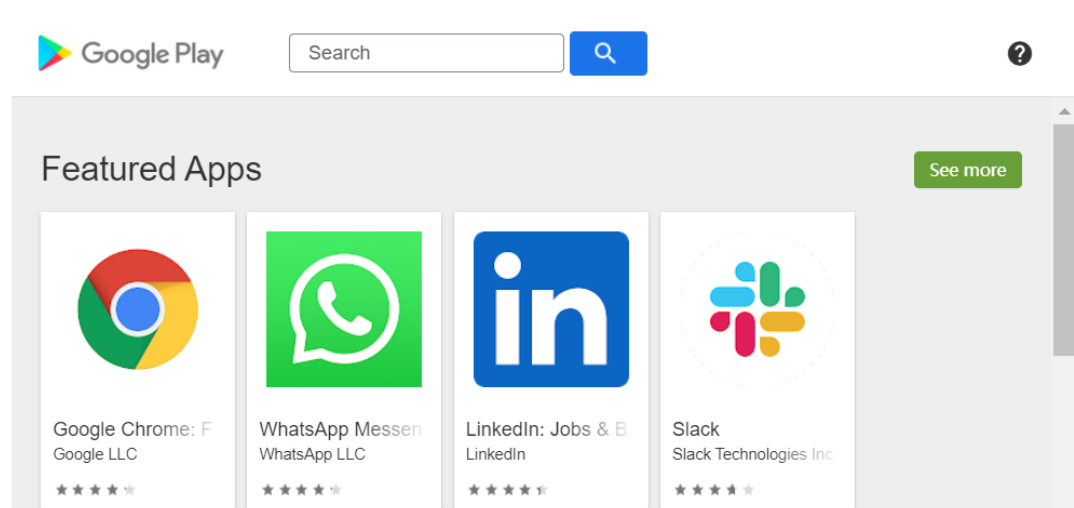
Select the App that you want to install.
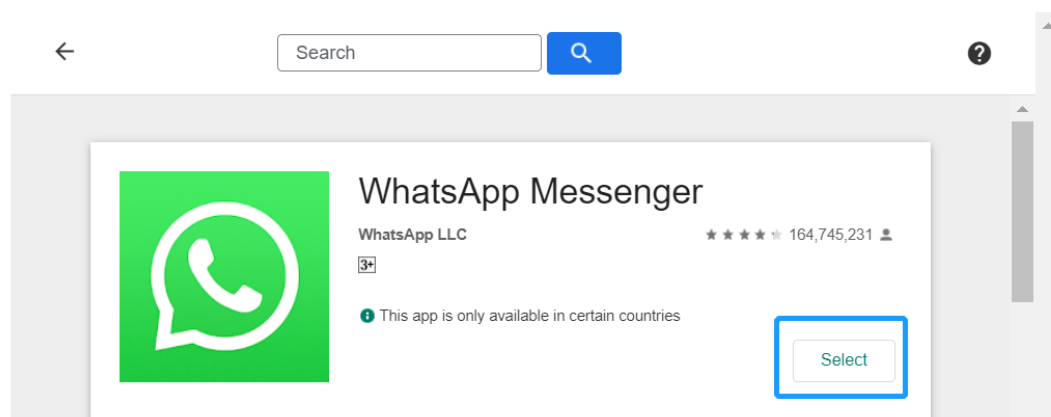
Click Save changes, it will add to the new policy.

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"

Choose a mode for policy upgrade schedule if needed.

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

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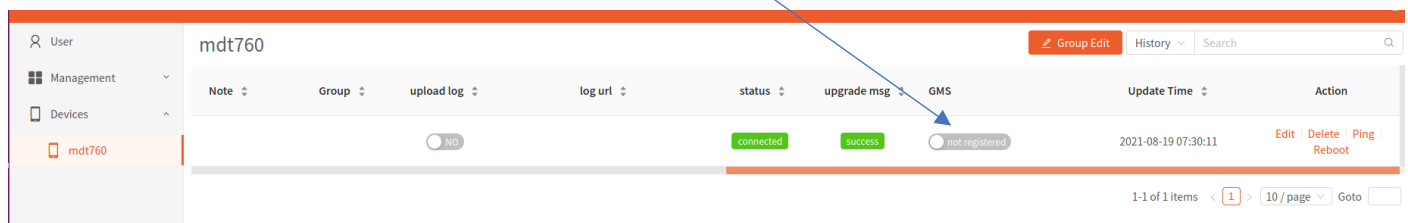
2.Factory reset the device and follow the instructions after startup after device successfully setup, user might see the device information on Gms_devices page

3.User could choose the policy (from Policies page) under Active policy
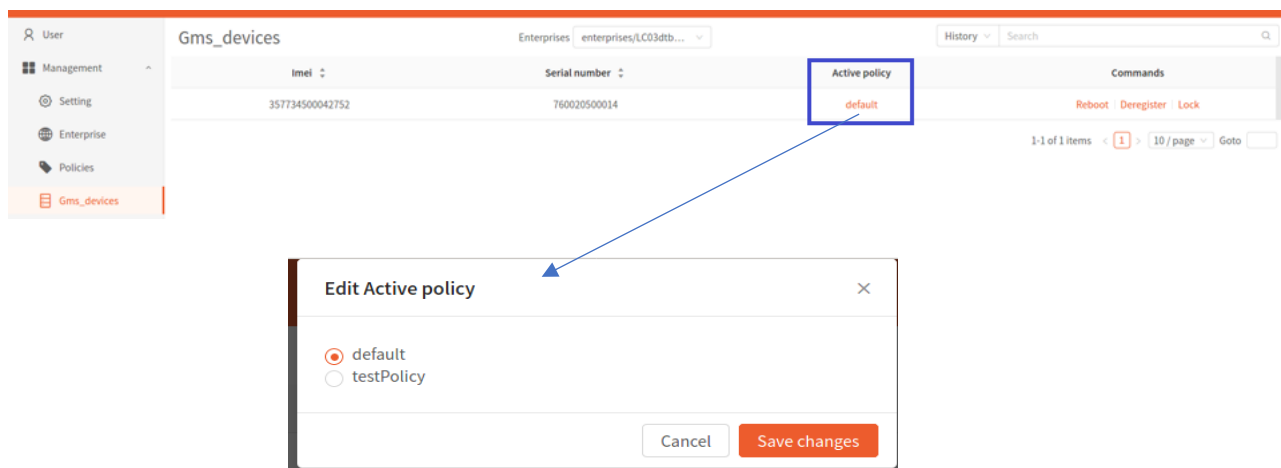
4.User could send commands (Reboot/Deregister/Lock) to device under Commands
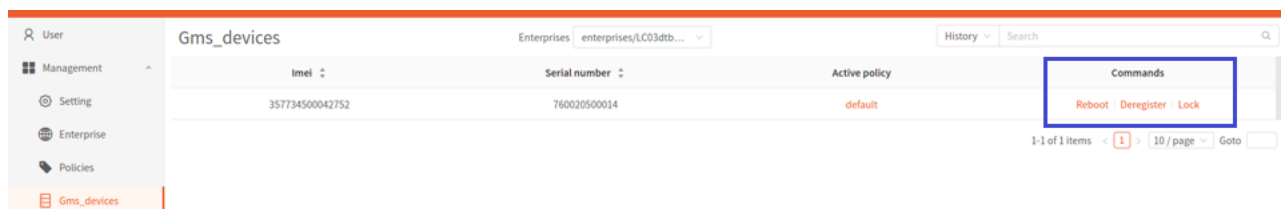
Deregister GMS Device

There are two ways to deregister a device:

1. Click the button under GMS on the Devices page
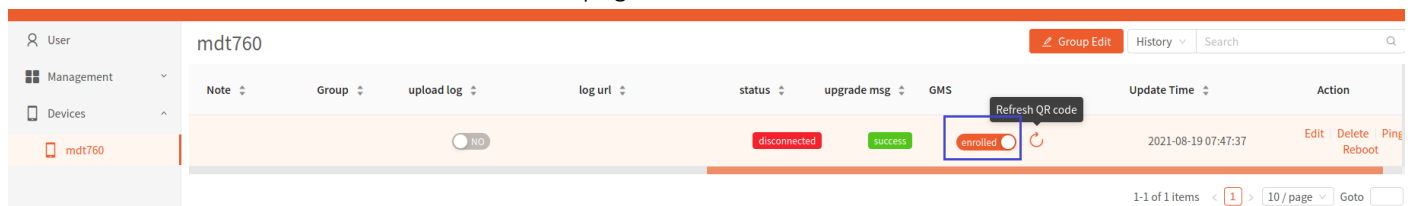
2. Click "Deregister" under Commands on the Gms_devices page
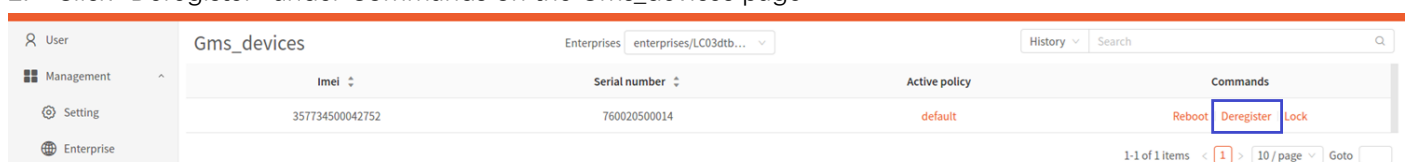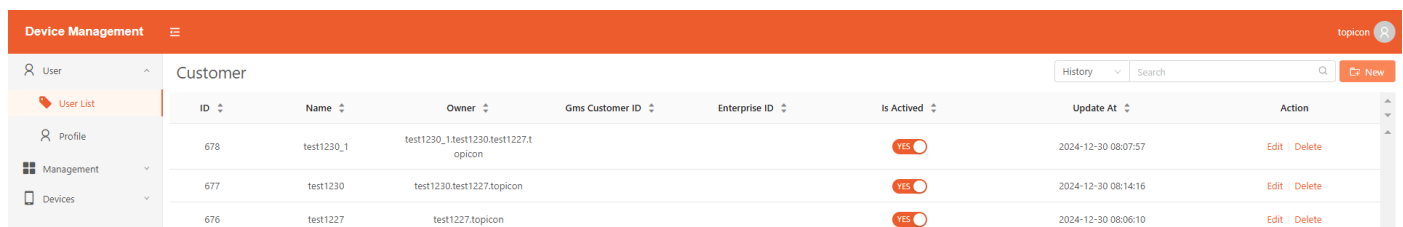
Sub-Admin Function

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.
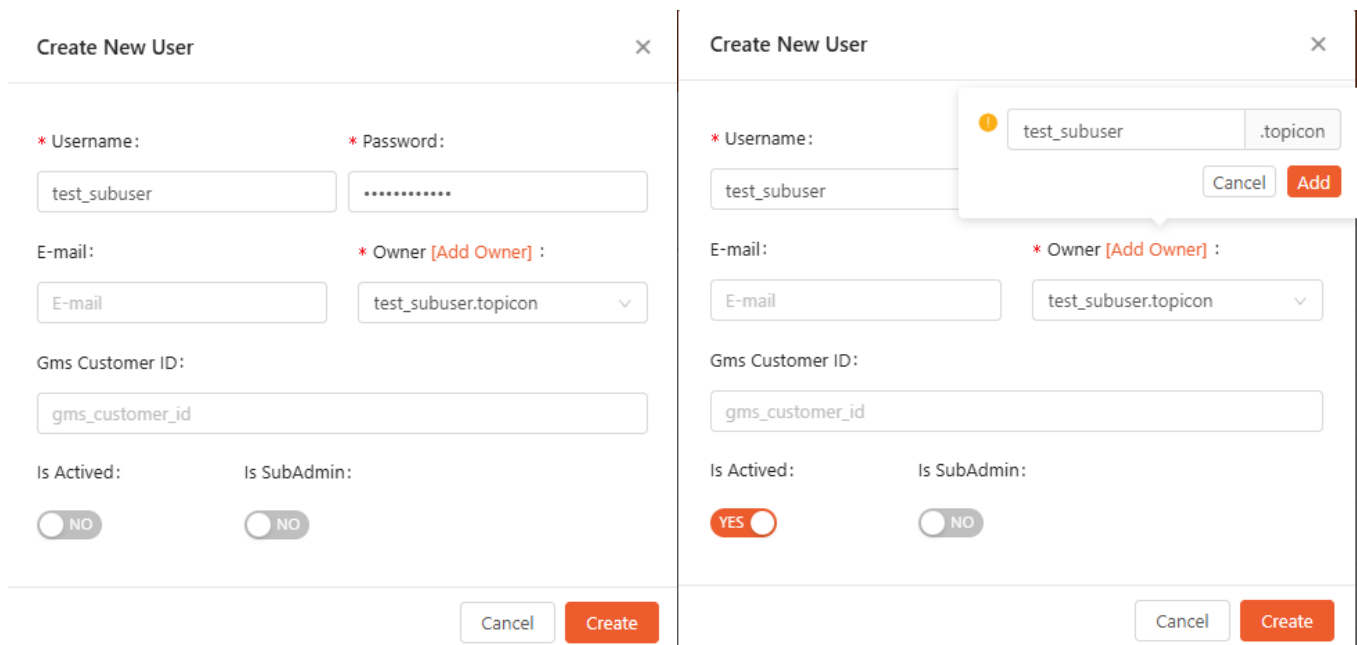
Sub-Admin usage

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

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 Actived", (If necessary, enable Is SubAdmin) Click "Create"

Role access control

1. Create a User-Role

Click User Role

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

Input the Role name

Select Role permissions (<mark>Note that users can only use the selected permissions</mark>)

2. Specify the user's role

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

Click "Edit"

Select a role for your sub-user.

Edit User ✕

* Username: * Password:

topicon-test   ••••••••

E-mail: * Owner [Add Owner]:

E-mail   topicon-test.topicon

Gms Customer ID:

gms_customer_id

Is Actived: Is SubAdmin:

YES   NO

Role:

Test   ^

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	☰			topicon
Dynamic Setting			History Search	New
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_ 35093074031(

* 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_accessbility: 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.dial
er

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
sound_trigger_detection_service_op_timeout: 15000
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,uwb,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_background_throttle_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.

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

Select
dynamic_setting_mdt865_35093074031684
3_1754648208?

Cancel   OK