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unitech ELauncher Application User Manual

Contents

unitech ELauncher Application

Product Information: ELauncher

Version: 1.5
User's Manual: Version 1.0

Revision History:

Date	Change Description	Version
2020/4/20	First release	REL1
2020/10/30	Revised for V1.5.20 Settings Block feature	REL1-REV1
2021/2/9	Revised for V1.5.24	REL1-REV2
2022/3/10	Revised for V1.5.34	REL1-REV3
2022/8/15	Revised for v1.5.41	REL1-REV4

Preface About This Manual:
This manual is intended for unitech device owners who are using the ELauncher application. ELauncher is an Android Launcher replacement made by unitech. It can be used to provide kiosking capability on unitech devices. In this manual, we will discuss ELauncher version 1.5.

Worldwide Support:
unitech's professional support team is available to quickly answer questions or assist with technical-related issues. Should an equipment problem occur, please contact the nearest unitech regional service representative. For complete contact information, please visit the Web sites listed below:

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Product Usage Instructions

Chapter 1 – Introduction

ELauncher:
ELauncher is an Android Launcher alternative that allows IT admins to kiosk or lock down a device so that the device can only be used in a way designated by the IT admins.

Kiosk Mode:
In Kiosk Mode, a designated app will launch at device boot up, and it will be the only app that the device user can interact with.

Launcher Mode:

In Launcher Mode, a list of whitelisted app icons are shown to the user, and the device user will only be able to launch and interact with the whitelisted apps assigned by the IT admins.

Revision History

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2022/8/15	Revised for v1.5.41	REL1-REV4

Preface
About This Manual
This manual is intended for unitech device owners who are using the ELauncher application.
ELauncher is an Android Launcher replacement made by unitech. It can be used to provide kiosking capability on unitech devices.
In this manual, we will discuss about ELauncher version 1.5.

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unitech's professional support team is available to quickly answer questions or assist with technical-related issues. Should an equipment problem occur, please contact the nearest unitech regional service representative.

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Introduction

ELauncher is an Android Launcher alternative that allows IT admins to kiosk or "lock down" a device so that the device can only be used in way designated by the IT admins.
When the ELauncher is set to the default Android Launcher on a device, the device will always boot into ELauncher when powered on, and depends on the ELauncher setting, the ELauncher can be launched into two operational modes:

- **Kiosk Mode:**

  A designated app will launch at device boot up, and it will be the only app that device user can interact with with the device.

- **Launcher Mode:**

  A list of whitelisted apps icons are shown to the user, and device user will be able to launch and interact with only the whitelisted apps assigned by the IT admins.

The other key features of ELauncher include:

- Prevents users from interacting with the Android Status Bar (including Notifications).
- Prevent users from interacting with the device when device is booted into Safe Mode
- Password protected access to ELauncher's Menu Items
- Configure Text Color and Wallpaper
- Block the display of the Settings app (V1.5.20+)
- Manage whitelisted apps in-app (V1.5.24+)
- Block the use of the Recent key (V1.5.34+)
- Supports the AppBlocker Feature (V1.5.41+)

ELauncher version 1.5 supports unitech device models with Android 8 and later, the following models are supported: EA320, EA500Plus, EA510, EA630, EA630Plus, PA760, PA768, TB85, TB85Plus, HT330, HT730, and WD200.

ELauncher is an application provided free to all unitech partners. Please contact your nearest unitech sales or technical representatives to obtain your free copy of ELauncher.

Using ELauncher

Installation
ELauncher is not preinstalled in Unitech mobile devices, it will require a separate download and install. Please obtain the ELauncher application APK file from your unitech Sales or Technical representative.

To install ELauncher, perform the following steps:

- Obtain your free copy of ELauncher APK file from your local Unitech sales or technical representative.
- Copy the ELauncher APK onto the device Internal Storage
- Open File Manager, navigate to the root of Internal Storage, and click on the ELauncher APK to start installation.
- After installation is completed, click on the Home button to set ELauncher as the default launcher.

With unitech Android devices with the "Software Update" application built-in, ELauncher can also be installed via the Software Update utility. Please ensure you enable the options in the app to check for "New Installs".

Operation Modes
ELauncher can be configured to operate in two modes:

- **Kiosk Mode:**
  A designated app will launch at device boot up, and it will be the only app that device user can interact with with the device.
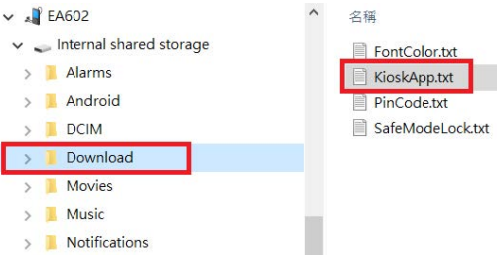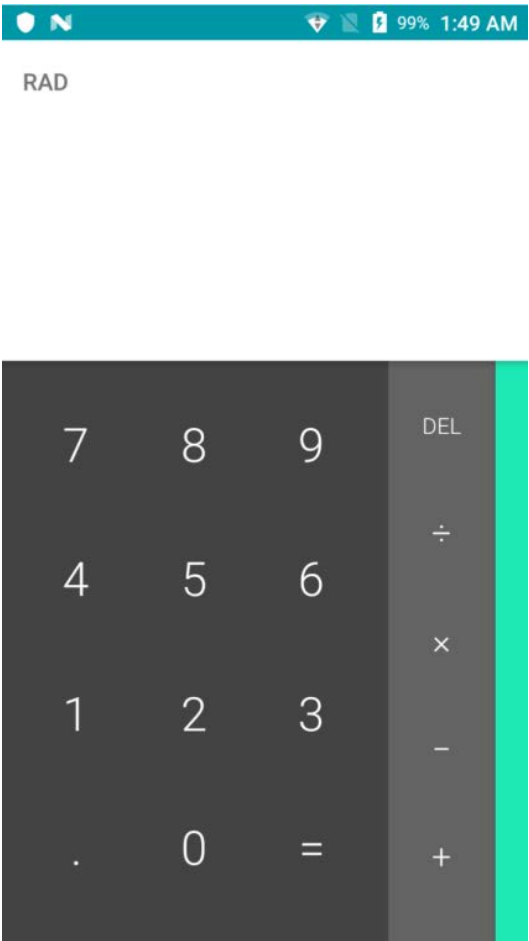- **Launcher Mode:**
  A list of whitelisted apps icons are shown to the user, and device user will be able to launch and interact with only the whitelisted apps assigned by the IT admins.

Kiosk Mode
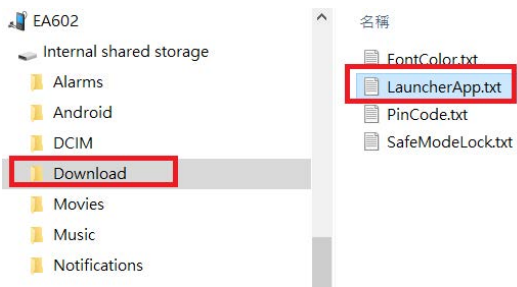To configure ELauncher to operate in Kiosk Mode, please perform the following steps:
In this example, we will use the Calculator as the Kiosk App, however, you can change it to any app you wish.
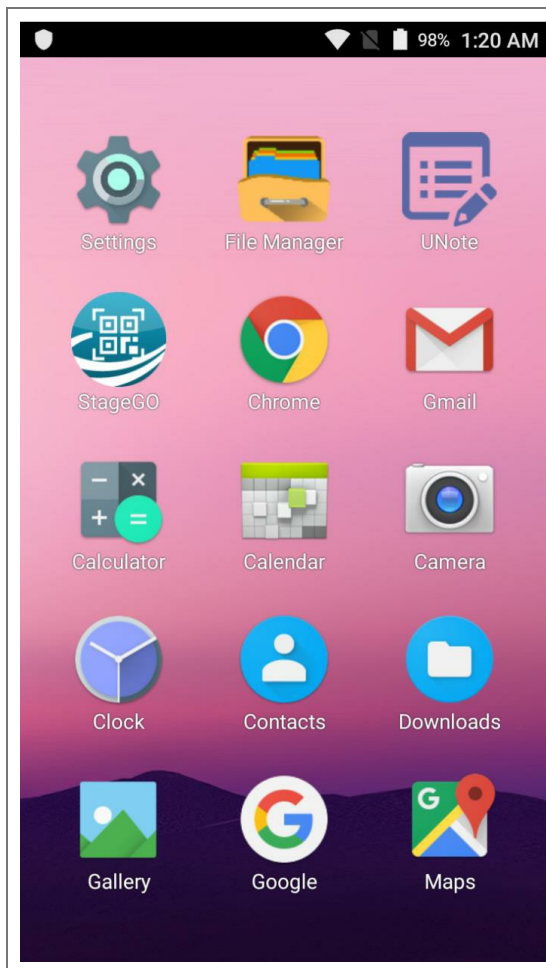
Step	Description
KioskApp.txt: packageName=com.android.calculator2 className=com.android.calculator2.Calculator	Prepare a file on your PC named "KioskApp.txt" and enter the application package name and class name on two separate lines, for example: packageName=com.android.calculator2 className=com.android.calculator2.Calculator **Note:** You must save this file as UTF-8 format.
EA602 Internal shared storage Alarms Android DCIM Download Movies Music Notifications 名稱 FontColor.txt KioskApp.txt PinCode.txt SafeModeLock.txt	Copy the KioskApp.txt file onto the device's /Download folder on the device's Internal Storage. **Note:** Please also make sure LauncherApp.txt is deleted from the /Download folder in the device.
	Reboot the device. After the device is reboot, make sure ELauncher is set as the default launcher, and the designated Kiosk Application will then show up (in this example, the Calculator app). In Kiosk Mode, the BACK and HOME buttons will have no effects, and the user cannot interact with the Status Bar.

Launcher Mode
To configure ELauncher to operate in Launcher Mode, please perform the following steps:

Step	Description
LauncherApp.txt:	Prepare a file on your PC named "LauncherApp.txt" and enter a list of whitelisted application names on each separate lines. For example (you can copy and paste the following lines between the dividers below): __8<_____8<_____8<_____8<_____8< Settings File Manager UNote StageGO Chrome Gmail

Settings File Manager UNote StageGO Chrome Gmail Browser Calculator Calendar Camera Clock Contacts Downloads Gallery Google Maps MoboLink Music Play Store RFIDReader ScanService Search Sound Recorder	Browser Calculator Calendar Camera Clock Contacts Downloads Gallery Google Maps MoboLink Music Play Store Sound Recorder __8<_____8<_____8<_____8<_____8< The above example will show app icons matching the app names, for user to choose from. Please note that, if your device is configured in a language other than English, the application names may be in a different language, and you must enter the exact app name in the language shown. For example, if your device is configured in Traditional Chinese, the Google Maps app is shown as " ", and you will have to enter the Chinese characters for that app.
EA602 Internal shared storage Alarms Android DCIM Download Movies Music Notifications 名稱 FontColor.txt LauncherApp.txt PinCode.txt SafeModeLock.txt	Copy the LauncherApp.txt file onto the device's /Download folder on the device's Internal Storage. **Note:** You must save this file as UTF-8 format. **Note:** Please also make sure KioskApp.txt is deleted from the /Download folder in the device.

Reboot the device. After the device is reboot, make sure ELauncher is set as the default launcher, and the designated Kiosk Application will then show up (in this example, the Calculator app).

In Kiosk Mode, the BACK and HOME buttons will have no effects, and the user cannot interact with the Status Bar.
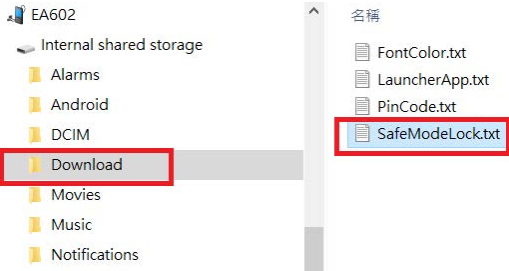
Safe Mode Lock
The Android operating system comes with the ability to boot into "Safe Mode". Google provides the Safe Mode for users to troubleshoot the device if they run into problems with third-party apps. When a device is rebooted into Safe Mode, all third party apps are disabled, including ELauncher.
When "Safe Mode Lock" is enabled, device users are still able to boot the device into Safe Mode, but, once the device boots into Safe Mode, the users will see the following lock down screen, and will not be able to interactive further with the device, until the device is rebooted back into non-Safe-Mode.

Enable Safe Mode Lock
To Enable "Safe Mode Lock", perform the following steps:

Step	Description
SafeModeLock.txt	Prepare an empty file on your PC named "SafeModeLock.txt". **Note:** this file can be empty.
	Copy the SafeModeLock.txt file onto the device's /Download folder on the device's Internal Storage.
Reboot	Reboot the device (normally) once to apply the changes. **Important Note**: You have to reboot the device normally once after the SafeModeLock.txt file is copied so that the setting will take effect, then the subsequent reboots into the Safe Mode will have the device locking itself up as expected.

Disable Safe Mode Lock

To Disable "Safe Mode Lock", perform the following steps:

- Delete the "SafeModeLock.txt" file from the "/Download" directory inside your device's Internal Storage.
- Reboot the device to apply the changes.

Password Protected Menu

ELauncher's Menu contains functions that may need to be protected by the IT administrator. By default, ELauncher does not restrict access to the ELauncher Menu.
When a passcode is enabled, users need to enter the correct passcode before given access to the functions of the ELauncher Menu.

Access to the ELauncher Menu

Access to the ELauncher Menu can be performed via two ways:

- Click the physical MENU key on the device (if available)
- Long Press on the ELauncher Wallpaper

The ELauncher Menu contains 3 functions, these functions can be password protected, please refer to Section 2.5.2 for how to enable the password protection:

Access the Android Settings App

Launch the Android Settings app for you to change system settings. Please remember to clear out the Settings App from the Recent screen once you have finished with it.

Application Management

List all applications installed in the device, and depending on the version of ELauncher, the App Management menu also offer one or both of the following functions:

1. Launch any one of the apps in the list

2. Add or remove apps to the ELauncher home screen. (from V1.5.24)

Exit ELauncher (from V1.5.24)
If you wish to leave ELauncher and return to the Android Launcher, you may use the Exit button to go back to the default launcher. Once you have finished using the default Android Launcher, please remember to set ELauncher as the default, and set it to ALWAYS.

Enable Password Protection
To Enable the password protection on using the menus, , perform the following steps:

Step	Description
PinCode.txt	Create a file named "PinCode.txt" on your PC, and enter the pass code on the first line. Note: You must save this file as UTF-8 format.
	Copy the "PinCode.txt" file onto the device's /Download folder on the device's Internal Storage.
Reboot	Reboot the device to apply the changes.

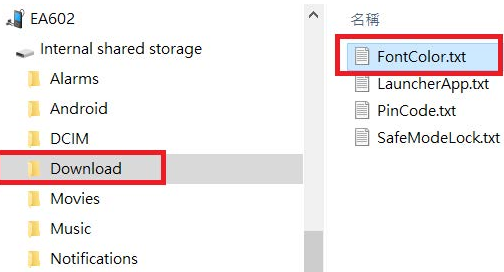**Disable Password Protection**
To Disable "Password Protected Menu", perform the following steps:

- Delete the "PinCode.txt" file from the "/Download" directory inside your device's Internal Storage.
- Reboot the device to apply the changes.

Change Font Color
The "App Name" text color that accompany each app icon can be customized. To change the app name text color, follow the instructions below.

Change Text Color

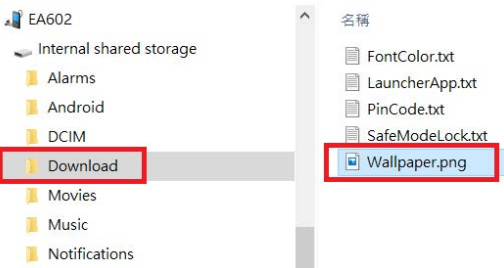| Step	Description
FontColor.txt	Create a file named "FontColor.txt" on your PC, and enter the HTML #AARRGGBBBB Hex Color Code on the first line. For example, "#FFFFFFFF" for opaque black, or "#00000000" for total transparent. **Note:** You must save this file as UTF-8 format. **References:** Color Code (for RRGGBB): **https://www.w3schools.com/colors/colors_picker.asp** Transparency Code (for AA): **https://coderwall.com/p/dedqca/argb-colors-in-androi d** **Note:** "00" for transparent, or "FF" for opaque
	Copy the "FontColor.txt" file onto the device's /Download folder on the device's Internal Storage.
Reboot	Reboot the device to apply the changes.

Reset Text Color

To reset the text color to default, perform the following steps:

- Delete the "FontColor.txt" file from the "/Download" directory inside your device's Internal Storage.
- Reboot the device to apply the changes.

Change Wallpaper

ELauncher wallpaper can be customized. You can upload your own wallpaper PNG file to set as default wallpaper.

Set Wallpaper

Step	Description
Wallpaper.png	Prepare a PNG file, name it "Wallpaper.png"
	Copy the "Wallpaper.png" file onto the device's /Download folder on the device's Internal Storage.
Reboot	Reboot the device to apply the changes.

Remove Wallpaper

To remove the custom wallpaper, perform the following steps:

- Delete the "Wallpaper.png" file from the "/Download" directory inside your device's Internal Storage.
- Reboot the device to apply the changes.

Hide Notification

Notifications can pop out as heads up notifications in the main screen, or in the lockscreen. These Notifications can be hidden away from users to prevent the users interacting with them. (This feature is supported from ELauncher version

Enable HideNotification

To hide notifications from the lockscreen, you will need to set your Android device lockscreen type to either one of the following:

- None
- PIN
- Pattern
- Password

(**Note:** you can find this settings via Settings > Security > Screen Lock. For some Android versions, this settings maybe located under Security & Location).

Enabling HideNotification will hide the following notifications in the system:

- Heads up notifications
- Notifications in the lockscreen
- Screenshot pop out edit notifications on Android 9 (and later).

Step	Description
HideNotification.txt	Prepare an empty file on your PC named "HideNotification.txt", and then copy this file onto the Android device's /Download folder in the Internal Storage.
Reboot	Reboot the device (normally) once to apply the changes.

Disable HideNotification

Disabling the HideNotification feature will essentially let the notifications to show. To disable HideNotification, please:
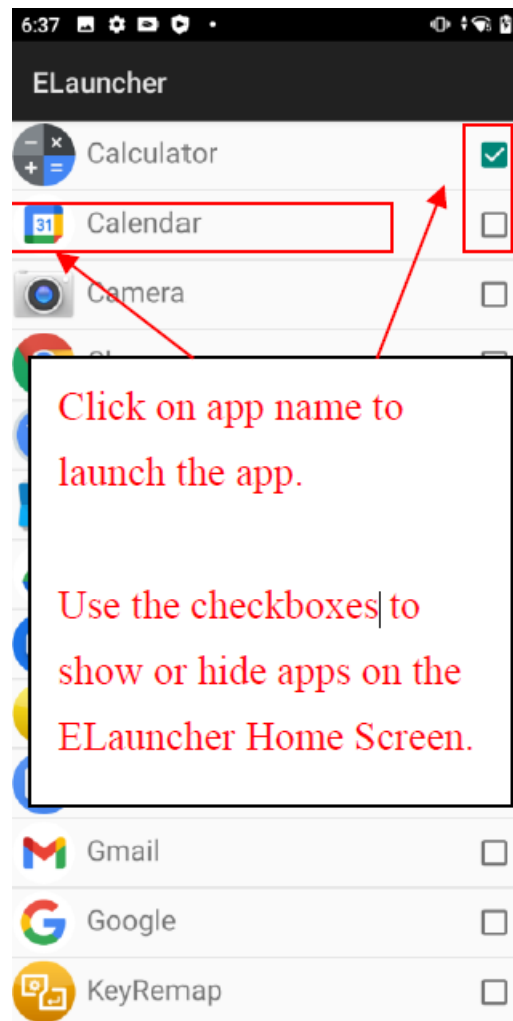
- Delete the "HideNotification.txt" file from the "/Download" directory inside your device's Internal Storage.
- Reboot the device to apply the changes.

Block Settings App (V1.5.20+)

From ELauncher V1.5.20, ELauncher will block the Settings app automatically. It means that whenever the Settings app is launched (by accident or intentionally), ELauncher will automatically close the Settings app. This gives an extra layer of assurance for IT admins to prevent users from accessing the system settings.

The Settings app will not be blocked by ELauncher under either one the following conditions. Either one of these conditions mean that the IT admin explicitly gives permission for users to run the Settings app:

The user launches the Settings app from the Settings context menu inside ELauncher. The Settings app is listed in the LauncherApp.txt.

Manage Whitelist Apps (V1.5.24+)
From ELauncher V1.5.24 and onwards, you will be able to add or remove apps on the ELauncher Home Screen inside the ELauncher app itself.

Recent Key Block (V1.5.34+)
From ELauncher V1.5.34 and onwards, the recent key is blocked by default. To enable the recent key function, place a file named EnableRecentApps.txt in the /Download folder inside the internal storage, and then reboot the device to take in effect.

AppBlocker Feature (V1.5.41+)
From ELauncher V1.5.41 and onwards, a new feature called "AppBlocker" is now supported. This feature allows you to manually define which Apps to block, and which activities within an app to whitelist.

You will be able to fine control the apps or the app screens (activities) to be blocked or whitelisted. In using this feature, you will be able to achieve the effect of, for example: Block the Settings app, but still whitelist the Wifi Setting page, Bluetooth setting page, etc. (The WiFi and Bluetooth setting pages are activities under the Settings app).

To use this feature, you can define two files inside the /Downloads folder:

| AppBlocker_Blacklist.txt | In this file, enter the package names of the applications to block. One package name per line. For example:

com.android.settings com.example.yourapp |
|---|---|
| AppBlocker_Whitelist.txt | In this file, enter the activity names of the applications to whitelist. For example, if you have blocked com.android.settings, but you can also whitelist the WiFi settings page by entering these lines into this file

com.android.settings.Settings$ConnectedDeviceDashboardActivity com.android.settings.Settings$WifiSettings2Activity com.android.settings.SubSettings |

Documents / Resources

	unitech ELauncher Application [pdf] User Manual
ELauncher Application, ELauncher, Application

References

- **Unitech Electronics**
- **Unitech Electronics**
- **ç²¾ç'žç''µè„' unitech**
- **Unitech Europe (EMEA) | Your Brilliant AIDC Solution Provider**
- **unitech æ—¥æœ¬ | Your Brilliant AIDC Solution Provider**
- **Unitech Global | Your Brilliant AIDC Solution Provider**
- **Unitech Global | Your Brilliant AIDC Solution Provider**
- **Unitech Global | Your Brilliant AIDC Solution Provider**
- **Unitech Global | Your Brilliant AIDC Solution Provider**
- **Unitech Global | Your Brilliant AIDC Solution Provider**
- **ARGB colors in android (Example)**
- **ARGB colors in android (Example)**
- **HTML Color Picker**