Honeywell

Launcher

for Honeywell Mobile Devices powered by Android™

User Guide

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Web Address: www.honeywellaidc.com

Patents

For patent information, please refer to www.honeywellaidc.com\patents

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Customer Support and Warranty

Technical Assistance

To search our knowledge base for a solution or to log in to the Technical Support portal and report a problem, go to www.hsmcontactsupport.com.

For our latest contact information, see www.honeywellaidc.com/locations.

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Limited Warranty

For warranty information, go to www.honeywellaidc.com and click **Resources > Product Warranty**.

GET STARTED

This chapter introduces the Launcher application and includes these sections.

- About Launcher for Android
- Start Launcher for Android
- Disable Launcher for Android
- View the About Screen

About Launcher for Android

Launcher for Android is a customizable, locked-down application that allows users to launch only approved applications on their Android mobile devices. Launcher features include:

- Administrator-controlled access to applications on the mobile device.
- Administrator-controlled access to mobile device functions. For example, you can prevent the user from accessing WLAN, WWAN, the SDCard, and so on.
- Multiple user profiles.

Supported Mobile Devices

The following mobile devices support Launcher for Android as part of Client Pack [ECP, DCP, SCP]:

- Dolphin 75e handheld mobile device powered by Android 6.0
- Dolphin CT50 handheld mobile device powered by Android 6.0
- CK75H/CN75/CN75e handheld mobile devices powered by Android 6.0
- CN51 handheld mobile device powered by Android 6.0
- CT60/CN80/CT40 handheld mobile devices powered by Android 7.0 or higher
- CK65 handheld mobile device powered by Android 8.0 or higher
- Thor VM1A powered by Android 8.0 or higher
- Thor VM3A powered by Android 9.0
- EDA50/EDA50K/EDA60K/EDA70 powered by Android 7.0 or higher
- EDA51/EDA61K/EDA71 powered by Android 8.0 or higher
- RT10A tablet powered by Android 9.0

The instructions in this document are for installing Launcher for Android on an Android 6.0 mobile device as part of Client Pack [ECP, DCP, SCP].

To install Launcher for Android on an older operating system, contact Honeywell Technical Support for instructions on downloading the correct Client Pack or .zip file.

Client Pack

Launcher for Android is included in the following client packs.

- **Enterprise Client Pack (ECP)**
  The package name starts with "ClientAppsInstall" and contains Honeywell Launcher, Enterprise Browser and Terminal Emulator applications.

Note: The ECP package is currently deprecated and replaced with SCP and DCP.

- **Software Client Pack (SCP)**
  The package name starts with "SoftwareClientPack" and contains Honeywell Launcher, Enterprise Browser and SmartTE applications.

- **Device Client Pack (DCP)**
  The package name starts with "DeviceClientPack" and contains Honeywell Launcher and Enterprise Browser.

Note: DCP for CN80G device contains Launcher and Enterprise Browser only.

About Launcher for Android Licensing

Using Launcher for Android requires an application license. There are two license types for embedded software.

- **Perpetual License**– Perpetual licenses operate without expiration and require additional purchase of maintenance to receive version upgrades and tech support.

- **Term License**– Term licenses operate for a fixed period and include maintenance and tech support.

Select the suitable license depending on your requirement:

- Perpetual licenses have the potential of deploying fewer licenses; however, typically the addition of maintenance license is required at least once in the life cycle of a device.

- Term licenses provide the most functionality. They require license deployment at least once every three years. If deploying licenses over time works with your business model, then Term license is likely the best solution for you.

Starting from Q3 2020, Honeywell began pre-licensing Client Pack software on most devices with either a Perpetual or Term license.

License Types

The different types of licenses available are:

- **Demo Licenses** provide software operation for a short period of time, typically 60 days.

- **Perpetual Licenses** operate without expiration for the software version that is authorized and include one year of maintenance. Perpetual license SKUs typically end with –001 (example: DCP-001).

- **Maintenance Licenses** provide software version upgrades and tech support for a defined period. SKUs typically end with –SFTx, where x indicates the number of years (example: DCP-SFT3). Maintenance Licenses are to be used in conjunction with Perpetual licenses.

- **Term Licenses** provide software operation, software version upgrades, and tech support for a defined period. SKUs typically end with –SFTx, where x indicates the number of years (example: DCP-SFT3). Term and Maintenance licenses are delivered via the same SKU.

- **Subscription** or **Software As A Service** does not require deployment of a license. The customer receives access to a connection for a defined period. Access is typically controlled through username and password.
Example of Subscription service: Operational Intelligence

If a demo version of the Launcher for Android application was preinstalled on your Honeywell mobile device, you need to purchase an application license to use Launcher for Android once the demo period (60 days) has expired.

Some devices are pre-licensed with a one year term. When the term ends, you must purchase a new license for the software to work.

If Launcher for Android was not preinstalled on the mobile device, you need to install the application and purchase an application license to use Launcher for Android once the demo period (60 days) has expired. See Purchasing Licenses.

If you are upgrading your system from Android 4.4 to Android 6.0, you do not need to reinstall the license. The license installed for Android 4.4 will work for Android 6.0.

About Upgrades

To upgrade Launcher for Android on the mobile device, you must have a valid application license and an active maintenance license installed. Application licenses include one year of maintenance upgrades starting from the time the license is activated. Maintenance must be renewed before the end of the first year or before the current maintenance license expires.

- If the older version is not uninstalled, then the newer version will replace the currently installed application.

- The license persists if it is within the first year of the license purchase or there is a valid maintenance license.

- Follow the steps in Install Launcher for Android on Your Mobile Device.

About Demo Licenses

After you install Launcher for Android, the application runs in demo mode for 60 days, or until you purchase an application license.

After 60 days, a license expired message box appears informing you the free trial period has come to an end. Select OK to dismiss the message and close the application.

For information on purchasing and installing licenses, see Purchasing Licenses.

How to Identify the Active License Type

If a license is active on the Honeywell mobile device, you can identify the license type from the About screen in the Launcher application.

To View License Information

1. Log Into Launcher.

2. Tap [icon] and select **About**.

3. The license type is identified in the **Type** field and in the extension of the Feature name.

   - Clientpack.d.demo
     The ".d.demo" extension indicates a demo license.

   - Clientpack.d
     The ".d" extension indicates a permanent application license.

   - Clientpack.maint.d
     The ".maint.d" extension indicates a maintenance license.

About Honeywell License Manager

You can use the Honeywell License Manager to download and distribute your Launcher licenses.

To Download Honeywell License Manager

1. Go to www.honeywellaidc.com.

2. Select **Resources > Downloads > Software**.

3. Click on the Technical Support Downloads Portal link,
   https://hsmftp.honeywell.com.

4. Create an account if you have not already created one. You must login to download the software.

5. Install the *Honeywell Download Manager* tool on your PC prior to trying to download any files. The link for the Honeywell Download Manager is located in the Note above the software tree.

6. Locate the **Honeywell License Manager** in the Software directory: **Software > Software and Tools > Emulator Browsers and Tools > License Manager > Current**.

7. Select **Download**. Follow the prompts to download the application.

8. Refer to the License Manager online help for information on working with licenses.

Install Launcher for Android on Your Mobile Device

If Client Pack [ECP, DCP, SCP] did not come preinstalled on the mobile device, you can download the software bundle from www.honeywellaidc.com. Client Pack [ECP, DCP, SCP] is supported for Android 6.0 and later. For mobile devices running an earlier version of the Android operating system, see Miscellaneous Information.

Note: From current releases of Android Pie onwards, the client pack applications are preloaded in the OS, but you can still upgrade the Client Pack [ECP, DCP, SCP] by installing the latest version on the device.

For a list of prerequisites for each device, refer to the software release notes.

Note: Before attempting to download and install software, see Supported Mobile Devices and About Launcher for Android.

Note: If you are installing Launcher on a CT50 or Dolphin 75e running Android 6.0, use the Client Pack [ECP, DCP, SCP] package instead of the Honeywell Launcher single installation. The Client Pack [ECP, DCP, SCP] package installs Launcher, Browser, and TE on your mobile device.

Note: If you are upgrading or downgrading Launcher from a previously installed version with a .zip file, the Launcher installation file must have a different name than the previously installed version. If the file does not have a different name, the installation will fail.

Note: The mobile device must have power for the entire length of the installation process or it could become unstable. Do not attempt to remove the battery during the process.

To Download Client Pack [ECP, DCP, SCP]

1. Go to www.honeywellaidc.com.

2. Select **Resources > Downloads > Software**.

3. Click on the *Technical Support Downloads Portal* link, https://hsmftp.honeywell.com. Note that you will need to create an account to download any Honeywell software.

4. Create an account if you do not already have one. You must login to download the software.

5. Install the *Honeywell Download Manager* tool on your PC. The manager is required to download software.

6. Navigate to the applicable device folder, and then locate the supported Client Packs. Example: Selecting **Software > Computer Devices > Handheld > Device Name > Android Version** provides links to available Client Packs.

7. Select the Client Pack software bundle for your device.

8. Select **Download**. Follow the prompts to download the application.

To Install Client Pack [ECP, DCP, SCP]

Note: In order to access the folder "\IPSM\honeywell\autoinstall", Provisioning Mode has to be turned on.

1. Copy the .zip file from your PC to the **\IPSM\honeywell\autoinstall folder** and/or **\internal storage\honeywell\autoinstall** on the mobile device.

Note: If you keep the zip file in IPSM, it will persist after enterprise reset.

2. Tap **All Apps > AutoInstall**.

- Verify **Enable AutoInstall** has a check mark in the box.

3. Tap **Verify apps**.

- Verify **Verify apps** has a check mark in the box.

4. Click on **Packages upgrade**.

Start Launcher for Android

If you are starting Launcher for Android for the first time, you can log in as an administrator. As an administrator, you can Create a New User profile and Configure Launcher for Android.

If this is the first time you are logging in as an administrator, make sure you change the default administrator password to something more secure.

Note: Make sure you have provided access permissions for Location, Phone and Camera on the device.

1. Open Launcher for Android. From the All Apps screen, tap the Launcher icon .
2. In the Settings page, slide the Status bar to the **On** position.
3. When the Enable pop-up screen appears, tap **OK**.
4. In the **User Name** field, type **admin**.
5. In the **Password** field, type **admin**.
6. Tap **Login**. You are logged into Launcher for Android as an administrator.

Log Into Launcher

To log into Launcher, follow these steps.

1. Tap   and select **Log In** from the drop-down list.
2. In the **User Name** field, type **admin**.

   - If another user has been created, substitute the desired user name.

3. In the **Password** field, type **admin**.

   - If another user has been created, substitute the pass user name.
   - If the password for the admin account has been updated, substitute the updated password.

4. Tap **Login**. You are logged into Launcher for Android, either as the administrator or as a user.

Log Out of Launcher for Android

When you are finished with your session, log out of Launcher for Android.

1. Tap   and select **Log Out** from the drop-down list.
2. When the Log Out pop-up screen appears, tap **OK**. You are logged out of your session.

Disable Launcher for Android

Disable Launcher for Android when you are not using it to lock down your mobile device.

1. Log Into Launcher as an administrator.

2. Tap and then tap **Settings**.

3. In the Settings page, slide the Status bar to the Off position.

4. When the Disable pop-up appears, tap **OK**.

View the About Screen

Use the About screen to view the version number of Launcher for Android.

To view the About screen, Launcher for Android must be enabled.

1. Log Into Launcher.

2. Tap and select **About**.

CONFIGURE LAUNCHER FOR ANDROID

As an administrator, you can customize the needs of each user by controlling the access to the mobile device and applications that are installed. Use these topics to

- Launcher Orientation
- Configure Permissions Settings
- Settings Controlled by Non Admin User
- Configure Shared Preferences
- Set the Display Wallpaper
- Configure Whitelist Settings
- Make Launcher Persist through an Enterprise Reset
- Disable Airplane Mode
- Disable Volume Hard Key
- Set the Logoff Timeout
- Set the Application Mode
- Set the User Mode
- Configure Multiple Mobile Devices
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- Android Lock Screen
- Custom Lock Screen
- Multi-Language Support

Launcher Orientation

This section provides information about the orientation options of Launcher on different device types.

Device Type	Orientation Allowed
Handheld Device	Portrait
Vehicle Mounted Device	Landscape
Tablet	Portrait and Landscape

Configure Permissions Settings

Configure the Permissions settings to enable or disable a variety of settings such as Wi-Fi and WWAN.

1. Log Into Launcher as an administrator.

2. Tap ⋮ and select **Settings** from the drop-down list.

3. Tap **Manage Users**. The *Manage Users Account* screen appears.

4. Select the user you want to configure.

5. Under **Permissions**, select the check boxes to enable or clear check boxes to disable the settings.

Launcher for Android Management Settings

Permissions Setting	Description
Wi-Fi	Enables Wi-Fi communications on the mobile device.
WWAN	Enables WWAN communications on the mobile device.
SD Card	Allows you to read and write to an SD card when it is inserted into the mobile device.
Change Password	Allows the user to change their own password.
Configure Auto-Run	Allows the user to configure their Auto-Run settings.
Device Settings	Allows the user to change some device settings such as Sound, Display, and Honeywell Smart Sensor.
Wi-Fi Toggle	Allows the user to turn the Wi-Fi connection on or off with a switch button.
Wi-Fi Setting	Allows the user to access the Android Wi-Fi setting from launcher settings.
Bluetooth	Allows the user to turn the Bluetooth connection on or off on the device.
EZConfig Barcode	Allows the user to apply EZConfig Barcode.

Settings Controlled by Non Admin User

These are the settings available to the user according to permission provided by admin in the Launcher settings screen.

Setting	Description
Wi-Fi Toggle	Turns the Wi-Fi connection on or off on the device with a switch button.
Wi-Fi Settings	Allows the user to access the Android Wi-Fi settings.
Password	Allows the user to change password on the device.
AutoRun Apps	Controls the AutoRun Behavior on the device.
Bluetooth	Turns the Bluetooth connection on or off on the device to search for devices over Bluetooth network to connect and disconnect.
Sound, Display and Honeywell Smart Sensors	System settings available for customer.

Configure Shared Preferences

Setting	Default	Description
Honeywell Launcher Status	true	This option helps user to turn on Honeywell Launcher application.
Wi-Fi Setting	true	When enabled, Wi-Fi is turned on for administrators and users with Wi-Fi permission. When disabled, Wi-Fi is turned off for administrators and users.
Mobile Data Setting	true	When enabled, mobile data is turned on for administrators and users with WWAN permission. When disabled, mobile data is turned off for administrators and users.
Screen Lock Setting	false	When enabled, screen lock is available for administrators and users. When disabled, administrators have a swipe for a lock screen and other users have no lock screen.
Display Mode	0	This option sets the display for the status and navigation bars: 0 = Normal display 1 = Hide navigation bar 2 = Hide status bar 3 = Hide both 4 = Both are aggressively hidden **Note:** Option 4 is supported in Phoenix devices only. This option requires a reboot.
Allow Launcher Package		Allows other Launchers inside Honeywell Launcher.
Launcher Reset	true	If the option is set to true, Launcher will restart after configuration update. If it is set to false, Launcher will not restart.
Application Mode	1	0 = Single application mode 1 = Multi application mode
User Mode	1	0 = Single user mode 1 = Multi user mode
Airplane Mode	true	If this option is enabled, then the Airplane mode option will be removed from the boot menu.

Setting	Default	Description
Volume Button Setting	false	True = Disables the physical volume keys on the device. False = Enables the physical volume keys on the device.
Key Log Off Timeout	0	The user will be auto logged out from the Launcher after a defined timeout in minutes.
Custom Lock Screen	0	This is a customized lock method developed by the Honeywell for enhanced security.
G Board Mode	false	Provides the user with the G Board option in the keyboard input menu.
NFC Mode	0	Controls NFC and Android Beam options. 0 = Turn off both options 1 = NFC turned on; Beam turned off 2 = Both NFC and Android Beam options turned on

Set the Display Wallpaper

The user can choose the wallpaper that appears in the Launcher screen if they have Device Settings permission.

1. Tap and then tap **Settings**.

2. Go to **Display > Wallpaper**.

3. Select the wallpaper you want to appear and tap **Set wallpaper**.

4. Logout to see the wallpaper setting.

Set the Display Wallpaper from Internal Storage

The user has to place the wallpaper image in the following location: /internal storage/emulated/0/honeywell/Wallpaper/

Note: Images are only supported in PNG format. The naming format is the Username followed by the file type (.png).

For example: **admin.png**

Configure Whitelist Settings

Add applications to the whitelist to enable access to only specific applications on the mobile device. This feature prevents users from accidentally changing system settings and helps ensure that users stay focused and as productive as possible.

1. Log in as an administrator.

2. Tap and select **Settings** from the drop-down list.

3. Tap **Manage Users**. The Manage Users Accounts screen appears.

4. Select the user for whom you need to configure whitelist settings.

5. Tap **Manage Application Whitelist**. The Configure Whitelist screen appears.

6. Select the applications you want to add or remove from the whitelist.

7. Tap **Finish** to save your changes.

Make Launcher Persist through an Enterprise Reset

To make Launcher persist on the mobile device after enterprise reset:

1. Make sure the HoneywellLauncher.zip file is in the **\internal storage\honeywell\autoinstall** folder.

2. Copy the HoneywellLauncher.xml file to the **\internal storage\IPSM\honeywell\persist** folder.

Disable Airplane Mode

There is no Airplane Mode in the Power menu. This setting only persists in the CT50. The default value is enabled.

1. Tap ⋮ and then tap **Settings**.

2. In the Settings page, tap the **Disable Airplane Mode** check box to enable or disable the setting.

Disable Volume Hard Key

You can disable the mobile device volume hard keys if you do not want them to be used. The default value for this setting is disabled.

1. Tap ⋮ and then tap **Settings**.

2. In the Settings page, tap the **Disable Volume Hard Key** check box to enable or disable the setting.

Set the Logoff Timeout

You can set Launcher to logoff if there are no actions. The default value is 0 (zero) which means the application will never logoff automatically.

1. Tap ⋮ and then tap **Settings**.
2. Tap **Logoff Timeout**.
3. Type the amount of time in minutes before the application will log off.

Set the Application Mode

An admin can set the Application Mode for normal users. You can set Application Mode to either Single Application Mode or Multiple Application Mode. The default value is Multiple Application Mode which allows users to access more than one application.

When the user is in Single Application Mode, the Home and Recent Apps buttons will be disabled.

If a user remaps a button with some action, it will be completely locked for that particular application.

Single Application Mode works the same as Multiple Application Mode for all other applications. Users can add more than one application in Single Application Mode.

1. Tap ⋮ and then tap **Settings**.
2. In the Settings page, tap **Application Mode**.
3. Tap either **Single Application Mode** or **Multiple Application Mode**.

Set the User Mode

An admin can set the User Mode for the mobile device to Single User or Multiple User. When Single User is enabled, Launcher automatically creates a Default user profile for this mobile device. When Multiple User is enabled, you can create more than one normal user for the mobile device. The default value is Multiple User.

1. Tap ⋮ and then tap **Settings**.
2. In the Settings page, tap **User Mode**.
3. Tap either **Single User** or **Multiple User**.

Configure Multiple Mobile Devices

After you have configured all users on a device (as an administrator), it is easy to export the configuration file and use it to configure other devices.

To use the configuration file to configure other mobile devices, you need to:

- Copy the Configuration File to Your PC.
- Configure Multiple Mobile Devices.

Copy the Configuration File to Your PC

When you configure Launcher for Android on your mobile device for the first time, it configures the HoneywellLauncher.xml file located in the **/internal storage/honeywelllauncher** folder. To copy the configuration file to your PC, you need to have a USB connection.

1. Tap ⋮ and select **Settings** from the drop-down list.

2. Tap **Export Configuration** to save the .xml file to your mobile device:

3. Disable Launcher for Android.

4. Connect the mobile device to your PC with a USB cable.

5. On your mobile device, turn on USB storage.

6. On your PC, browse to \internal storage\honeywelllauncher\ and copy HoneywellLauncher.xml to your PC.

Configure Multiple Mobile Devices

You can create barcodes with the EZConfig Editor or copy the HoneywellLauncher.xml file to other mobile devices to configure multiple mobile devices.

If you are copying the HoneywellLauncher.xml file to a mobile device, you need to copy it to both the autoinstall and persist folders. If you have not scanned an EZConfig barcode with your mobile device, you will need to manually create the persist folder. The persist folder does not appear until you scan an EZConfig barcode.

1. Copy the Configuration File to Your PC.

2. Open the **HoneywellLauncher.xml** file in the EZConfig Editor.

3. Edit the file and save it or generate an EZConfig barcode.

4. Use one of these methods to configure other mobile devices that have Launcher for Android installed:

    - Method 1: Scan the EZConfig barcode generated from the EZConfig Editor.

    - Method 2: Copy the HoneywellLauncher.xml file to /internal storage/honeywell/persist. If the persist folder does not exist, you need to create it.

5. Restart the mobile device.

Troubleshoot Launcher for Android

Use this table to find possible solutions for problems you may encounter while using Launcher for Android.

Problem	Possible Solution
You set a password that was longer than the accepted 20 characters.	Modify the HoneywellLauncher.xml file to set a password that is between 6 and 20 characters. Here is a Sample HoneywellLauncher.xml File you can use to edit the password. The password is on the seventh line of the .xml file. You can also use this file to recreate the HoneywellLauncher.xml file if your file was corrupted.

Restore System Date and Time

If the date and time of the device are set to an old value upon reboot, the system automatically restores to the latest captured date and time.

Wi-Fi Toggle

This setting is used to turn the Wi-Fi connection on or off on the device with a switch button (Toggle button).

Note: The Wi-Fi Toggle option will be highlighted in the launcher settings only if the admin has given access to the user in the configure permission setting.

Bluetooth

Use the Bluetooth option to turn the Bluetooth connection on or off on the device and to search for devices over Bluetooth network to connect and disconnect.

Note: The Bluetooth option will be highlighted in the Launcher settings only if the admin has given access to the user in the configure permission setting.

Notification Bar Option

This setting is used to provide access to the user to expand the Notification Bar in the Launcher (apart from admin).

Note: Admin reserves the right to provide access to the users to expand Notification Bar on the device.

Note: The setting can be enabled or disabled from the Launcher xml file by setting true or false. The default value is enabled.

XML Key

key_launcher_notificationbar_enable

G Board

This setting provides the user with the G Board option in the keyboard input menu.

Note: The setting can be enabled or disabled from the Launcher xml file by setting true or false. The default value is disabled.

XML Key

key_gboard_mode

AutoRun Behavior

This setting controls the AutoRun Behavior on the system.

1. Login to the device using the user credentials created for the particular user.

2. Tap and select **Settings** from the drop-down list.

3. Navigate to the **AutoRun Configure** option.

Note: The **AutoRun** option will be highlighted in the device settings only if the admin has given access to the user in the configure permission setting.

4. Select the applications to auto start upon login to the device by tapping on them.

Note: The applications displayed here are the whitelisted applications done by the admin for access to the user.

Note: A maximum of three applications can be selected in the **AutoRun** setting by the user.

Change App Icons

This setting allows the user to change the icons of applications that are displayed in the Honeywell Launcher.

To change the App Icons in the Honeywell Launcher:

1. Create a desired icon in PNG format with the application name.
   For example: If the launch icon for the Calculator application needs to be changed, create an image for the icon in the PNG format and name it Cal-culator.png.

2. Place the icon created in this location: **/internal storage/honeywell/appicons/**

Note: When you login as a user, the application icon will be replaced with custom icons placed in **/internal storage/honeywell/appicons/**

Allow Other Launchers inside Honeywell Launcher

This setting is used to enable other third party launchers inside Honeywell Launcher which are configured through xml. The default value is empty.

Note: The third party launcher package names should be in the format: packagename,classname.
Use a semicolon (;) to separate multiple entries.

XML Key

Allowed_Launcher_Packages

Wallpaper Support

This option allows the user to set the wallpaper on the device by placing their desired image with their username as the file name in PNG format in the below mentioned path:
/internal storage/emulated/0/honeywell/Wallpaper/

For example: **admin.png**

Note: Each user can have an individual wallpaper by providing their username as the file name (Image name) in PNG.

Android Lock Screen

If this setting is enabled, the Launcher will allow the system lock screen set by admin.

Note: The setting can be enabled or disabled from the launcher xml file by setting true or false respectively. The default value is disabled.

Note: This setting is not supported on CN51 and EDA70.

XML Key

key_screen_lock_enable

Custom Lock Screen

Custom Lock Screen is similar to the Android Lock Screen in terms of input methods, but it is a customized lock method developed by Honeywell for enhanced security.

Set the desired Custom Lock Screen to be applied to the device. The default value is none.

The Custom Lock Screen has three options:

0 – None

1 – Pin

2 – Password

Note: The custom lock screen option can be updated from the launcher xml file.

Note: If both custom lock screen and Android lock screen are enabled, then the Android lock screen will take priority over the custom lock screen.

XML Key

key_custom_lock_pin_or_password

Multi-Language Support

Users can select from several languages to use with the Honeywell Launcher. The supported languages are:

Spanish, German, French, Thai, and Bahasa Malaysia.

Note: If the user changes the system language, the Launcher will be accessible in the same language.

USERS AND SECURITY

This chapter describes how to create user profiles and provides recommendations for Launcher for Android security:

- About User Profiles
- Create a New User
- Delete a User
- Change the Admin Password
- Reset the User Password
- Security Recommendations

About User Profiles

Create a new user to allow multiple people to share the same mobile device under their own individual profiles. Use these topics to manage user profiles with Launcher:

Create a New User

Create a new user to allow multiple people to share the same mobile device under their own individual profiles. This procedure allows you to customize the permissions and restrictions for each user.

1. Log Into Launcher as an administrator.

2. Tap ⋮ and select **Settings** from the drop-down list.

3. Tap **Create User**. The Create New User screen appears.

4. In **User Name**, type in a user name.

5. In **Password**, type in a password that is longer than six characters.

6. In **Re-type Password**, retype the password.

7. Tap **Next**. The Configure Whitelist screen appears.

8. Select the applications you want to enable and tap **Next**. The Configure Permissions screen appears.

9. Select the Permission settings you want to enable and tap **Finish**.

Delete a User

Delete a user to remove their profile from Launcher for Android.

1. Log Into Launcher as an administrator.

2. Tap ⋮ and select **Settings** from the drop-down list.

3. Tap **Manage User**. The Manage User Account screen appears.

4. Select a user, and then tap **Delete User**. The Delete User pop-up screen appears.

5. Tap **Delete** to remove the user profile.

Change the Admin Password

The valid range for a password is 6 to 20 characters. If you cannot type your entire password in the login screen, you may need to configure a new password with the HoneywellLauncher.xml file. For help, see Troubleshoot Launcher for Android.

1. Tap ⋮ and select **Settings** from the drop-down list.

2. Tap **Change Password**. The Change Password screen appears.

3. In the **Old Password** field, type in your current password.

4. In the **New Password** field, type in your new password.

5. In the **Retype Password** field, retype your new password.

6. Tap **Change Password**. Your new password is saved.

Reset the User Password

If a user forgets their password, you can reset the user password.

1. Log Into Launcher as an administrator.

2. Tap and select **Settings** from the drop-down list.

3. Tap **Manage Users**. The Manage Users screen appears.

4. Select the user, and then tap **Reset Password**. The password is reset to 123456.

Security Recommendations

To maximize the security of your Honeywell mobile device while running Launcher for Android, Honeywell recommends that you follow these policies:

- Change the Admin Password immediately after you log in for the first time.

- Change all of the passwords frequently. Make sure to use a mix of characters and lengths for the passwords.

- Follow the Delete a User process to delete all unused user accounts.

- Do not allow any user accounts to access EZConfig or any other configuration utilities.

- Do not allow any user accounts to access the file system or any file system browsers.

- Back up the HoneywellLauncher.xml file regularly. For help, see Copy the Configuration File to Your PC.

MISCELLANEOUS INFORMATION

This appendix contains miscellaneous information on Launcher for Android:

- Install Launcher for Android on a CT50
- Install Launcher for Android on a Dolphin 70e or 75e
- Purchasing Licenses
- Licenses of Third Party Software
- Sample HoneywellLauncher.xml File

Install Launcher for Android on a CT50

Note: If you are upgrading or downgrading Launcher from a previously installed version with a .zip file, the Launcher installation file must have a different name than the previously installed version. If the file does not have a different name, the installation will fail.

1. Download the Honeywell Launcher for Android distribution file (.zip file):

   a. Go to www.aidc.honeywell.com and select **Products > Handheld Mobile Device**.

   b. Select **Dolphin CT50**.

   c. Select the **Software** tab and download the Honeywell Launcher for Android .zip file.

2. Save the Honeywell Launcher for Android .zip to a convenient location on your PC.

3. If a previous version of Launcher is installed on the device, we recommend that you remove the old .zip or apk file from the AutoInstall folder before installing the new version:

   a. Go to \internal storage\honeywell\autoinstall and delete the file HoneywellLauncher_xxx.zip (where xxx is a version number).

   b. Go to **Settings > Apps** and uninstall Honeywell Launcher.

   c. Reboot your device.

4. Using the method of your choice, copy the Honeywell Launcher for Android .zip file from your PC to \internal storage\honeywell\autoinstall.

5. Verify that auto-install functionality is enabled:

   a. From the Android launcher screen select **AutoInstall Settings**.

   b. Check the **Enable AutoInstall** check box if it is not already selected.

6. Reboot your device.

Install Launcher for Android on a Dolphin 70e or 75e

Note: If you are upgrading or downgrading Launcher from a previously installed version with a .zip file, the Launcher installation file must have a different name than the previously installed version. If the file does not have a different name, the installation will fail.

1. Download the Honeywell Launcher for Android distribution file (.zip file):

   a. Go to www.aidc.honeywell.com and select **Products > Handheld Mobile Device**.

   b. Select **Dolphin 70e Black** or **Dolphin 75e**.

c. Select the **Software** tab and download the Honeywell Launcher for Android .zip file.

2. Save the Honeywell Launcher for Android .zip to a convenient location on your PC.

3. If a previous version of Launcher is installed on the device, we recommend that you remove old .apk or zip from the AutoInstall folder before installing the new version:

   a. Go to \internal storage\honeywell\autoinstall and delete the file HoneywellLauncher_xxxx.apk (where xxxx is a version number) if it exists.

   b. Go to **Settings > Apps** and uninstall Honeywell Launcher.

   c. Reboot your device.

4. Using the method of your choice, copy the Honeywell Launcher for Android .zip file from your PC to \internal storage\honeywell\autoinstall.

5. Verify that auto-install functionality is enabled:

   a. From the Android launcher screen select **AutoInstall Settings**.

   b. Check the **Enable AutoInstall** check box if it is not already checked.

6. Reboot your device.

Purchasing Licenses

You can obtain licenses for Launcher through normal Honeywell sales channels. Once the appropriate license has been ordered, the person named on the purchase order will receive an entitlement email from ACSHSMLicense@honeywell.com. You need the Activation ID from this email to download your licenses.

To download licenses and add them to your devices:

1. If you have not installed the Honeywell License Manager application, download and install it on your PC. See About Honeywell License Manager for instructions.

2. Start License Manager on your PC.

   a. Download the licenses to your PC.

   b. Register your devices with License Manager.

   c. Assign licenses to individual devices in a License Bundle.

   d. Export the License Bundle to an .xml file. A single license bundle .xml file can contain multiple device/license pairs.

Note: Refer to the License Manager online help for additional information.

3. Use any method of your choice to copy the license bundle .xml file to the internal storage folder on your mobile devices. The licensing utility on the mobile device consumes the license bundle .xml file (the file disappears).

Once the license bundle .xml file has been read, the license has been installed, and you are ready to run Launcher.

Licenses of Third Party Software

This product contains software provided by third parties, which may include the below listed components. The Honeywell product that includes this file does not necessarily use all of the third party software components referred to below.

.. contents::

Package(s) using Apache v2.0 license

============================

* Android Support Library

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Sample HoneywellLauncher.xml File

Note: This file will disable Honeywell Launcher. It should only be used by administrators.

```xml
<?xml version="1.0" encoding="UTF-8"?>

<ConfigDoc name="honeywellLauncher">

 <Section name="Users Settings" desc="Settings of all users.">

  <Section name="admin" desc="User Settings.">

   <Section name="Login" desc="User login settings.">

     <Key name="USER_NAME" desc="Username length must be less than 50."
flags="16">admin</Key>

     <Key name="PASSWORD" desc="Password length must be more than 6 and less than 50."
flags="16">D82494F05D6917BA02F7AAA29689CCB444BB73F20380876CB05D1F37537
B7892</Key>

   </Section>

   <Section name="User Profile" desc="">

    <Section name="Sound">

     <Key name="volume_music" desc="Music volume" flags="16">5</Key>

     <Key name="volume_ring" desc="Notification volume"
     flags="16">5</Key>

     <Key name="volume_alarm" desc="Alarm volume"
     flags="16">6</Key>

     <Key name="silent_mode" desc="Silent mode 0-Silent 1-Vibrate 2-Normal"
     flags="16">2</Key>

     <Key name="ringtone" desc="Phone ringtone"
     flags="16">content://media/internal/audio/media/216</Key>

     <Key name="notification_sound" desc="notification sound"
     flags="16">content://media/internal/audio/media/24</Key>

     <Key name="vibrate_when_ringing" desc="Vibrate when ring
     flags="16">0</Key>

     <Key name="dtmf_tone" desc="Dial pad touch tones"
     flags="16">1</Key>

     <Key name="sound_effects_enabled" desc="Touch sounds"
     flags="16">1</Key>

     <Key name="lockscreen_sounds_enabled" desc="Screen lock
     sound" flags="16">1</Key>

     <Key name="haptic_feedback_enabled" desc="Vibrate on touch"
     flags="16">1</Key>

   </Section>
```

```xml
<Section name="Display">

    <Key name="screen_brightness_mode" desc="Adjust screen
    display brightness control, 1 for auto, 0 is default."
    flags="16">1</Key>

    <Key name="screen_brightness" desc="Adjust screen display brightness, form 30 to
    255" flags="16">163</Key>

    <Key name="wallpaper_user" desc="Wallpaper" flags="16">Normal
    wallpaper:/storage/emulated/0/honeywell/Wallpaper/admin.png
    </Key>

    <Key name="screen_off_timeout" desc="Adjust the delay before the screen
    automatically turns off, 15000, 30000, 60000, 120000, 600000, 1800000, -1 (Never
    timeout)" flags="16">60000</Key>

    <Key name="font_scale" desc="Scaling factor for fonts, valueare float. 0.85 = Small,
    1.0 = Normal, 1.15 = Large,
    1.3 = Huge" flags="16">1.0</Key>

    <Key name="accelerometer_rotation" desc="Auto rotate screen, 0 or 1."
    flags="16">0</Key>

  </Section>

  <Section name="honeywell Smart Sensors">

    <Key name="keep_awake_on_motion_enabled_setting" desc="
    Wake up device when motion is detected, 0 or 1." flags="16">0</Key>

    <Key name="wake_up_on_motion_enabled_setting" desc="Keep device on when motion is
    detected, 0 or 1." flags="16">0</Key>

    <Key name="face_down_suspend_enabled_setting" desc="Face down suspend, 0 or 1."
    flags="16">0</Key>

  </Section>

  </Section>

</Section>

<Section name="Default" desc="User Settings.">

  <Section name="Login" desc="User login settings.">

    <Key name="USER_NAME" desc="Username length must be less than 50."
    flags="16">Default</Key>

    <Key name="PASSWORD" desc="Password length must be more than 6 and less than 50."
    flags="16"> DF8AD31BE31376D60C4BA1A094F640A02F06895BF123AAF4C909F4C0D8556B9
    </Key>

  </Section>

  <Section name="User Profile" desc="">

   <Section name="Sound">

     <Key name="volume_music" desc="Music volume" flags="16">5</Key>
```

```xml
<Key name="volume_ring" desc="Notification volume" flags="16">5</Key>

<Key name="volume_alarm" desc="Alarm volume" flags="16">6</Key>

<Key name="silent_mode" desc="Silent mode 0-Silent
1-Vibrate 2-Normal" flags="16">2</Key>

<Key name="ringtone" desc="Phone ringtone"
flags="16">content://media/internal/audio/media/216</Key>

<Key name="notification_sound" desc="notification sound"
flags="16">content://media/internal/audio/media/63</Key>

<Key name="vibrate_when_ringing" desc="Vibrate when ring" flags="16">0</Key>

<Key name="dtmf_tone" desc="Dial pad touch tones" flags="16">1</Key>

<Key name="sound_effects_enabled" desc="Touch sounds" flags="16">1</Key>

<Key name="lockscreen_sounds_enabled" desc="Screen lock sound"
flags="16">1</Key>

<Key name="haptic_feedback_enabled" desc="Vibrate on touch" flags="16">1</Key>

</Section>

<Section name="Display">

<Key name="screen_brightness_mode" desc="Adjust screen display brightness
control, 1 for auto, 0 is default." flags="16">1</Key>

<Key name="screen_brightness" desc="Adjust screen display brightness, form 30 to 255"
flags="16">150</Key>

<Key name="wallpaper_user" desc="Wallpaper" flags="16">Normal
wallpaper:/storage/emulated/0/honeywell/Wallpaper/Default. png</Key>

<Key name="screen_off_timeout" desc="Adjust the delay before the screen automatically
turns off, 15000, 30000, 60000, 120000, 600000, 1800000, -1
(Nerve timeout)" flags="16">60000</Key>

<Key name="font_scale" desc="Scaling factor for fonts, value are float. 0.85 = Small,
1.0 = Normal, 1.15 = Large, 1.3 = Huge" flags="16" />

<Key name="accelerometer_rotation" desc="Auto rotate screen, 0 or 1."
flags="16">0</Key>

</Section>

<Section name="honeywell Smart Sensors">

<Key name="keep_awake_on_motion_enabled_setting" desc="Wake up device when motion is
detected, 0 or 1." flags="16">0</Key>

<Key name="wake_up_on_motion_enabled_setting" desc="Keep device on when motion is
detected, 0 or 1." flags="16">0</Key>

<Key name="face_down_suspend_enabled_setting" desc="Face down suspend, 0 or 1."
flags="16">0</Key>

</Section>
```

```
</Section>

<Section name="White Apps List">

  <Section name="Total Num">

    <Key name="White Apps Num" desc="Total white apps number of this user, it must
    be right." flags="16">1</Key>

  </Section>

  <Section name="White App Info">

    <Key name="PACKAGE_NAME" flags="16">com.google.android.calculator</Key>

    <Key name="APP_NAME" flags="16">Calculator</Key>

    <Key name="CLASS_NAME" flags="16">com.android.calculator2.Calculator</Key>

    <Key name="ICON_ID" flags="16">0</Key>

    <Key name="STATUS" desc="Whether auto run app, false or true."
    flags="16">false</Key>

    <Key name="MOTION_RUN" flags="16">false</Key>

    <Key name="USER_PROFILE" flags="16">-1</Key>

    <Key name="USER_ID" flags="16">-1</Key>

  </Section>

 </Section>

 <Section name="UserPermissionManager" desc="">

    <Key name="_WifiNetwork" desc="Enable or disable Wi-Fi network."
    flags="16">true</Key>

    <Key name="_WifiSwitch" desc="Enable or disable Bluetooth
    settings for user" flags="16">true</Key>

    <Key name="_Bluetooth" desc="Enable or disable Wi-Fi ON/OFF Button for user."
    flags="16">true</Key>

    <Key name="_ChangeProfile" desc="Change profile permission."
    flags="16">true</Key>

    <Key name="_Password" desc="Change password permission." flags="16">false</Key>

    <Key name="_MobileNetwork" desc="Enable or disable mobile network."
    flags="16">false</Key>

    <Key name="_SDCard" desc="Enable or disable sdcard." flags="16">false</Key>

    <Key name="_AutoRun" desc="Permission to auto run apps." flags="16">false</Key>

    <Key name="_EzConfig" desc="Permission to auto run apps." flags="16">false</Key>

  </Section>

</Section>
```

```xml
<Section name="shared_prefs" desc="Settings in shared preference.">

 <Section name="OpIntel">

     <Key name="key_data_collection_enable" desc="Collect Data from Launcher"
     flags="16">false</Key>

     <Key name="key_user_events_enable" desc="Collect User Events
     (Login,Logout,Invalid credentials)" flags="16">false</Key>

     <Key name="key_screen_events_enable" desc="Collect Screen Events(Screen ON and OFF)"
     flags="16">false</Key>

 </Section>

 <Section name="launcher">

     <Key name="Allowed_Launcher_Packages" desc="Allows mentioned Launcher packages inside
     honeywell Launcher(Launcher package should be given as packagename,classname)
     (Separate by ; if there multiple entries)." flags="16" />

     <Key name="launcher_reset_after_config_update" desc="Set Launcher to login screen
     after configuration update(If User Mode changes then preference will be true)"
     flags="16">true</Key>

     <Key name="honeywell_Launcher_Status" desc="Enable or disable honeywell Launcher."
     flags="16">true</Key>

     <Key name="pref_key_app_mode" desc="Application Mode
     0-Single Application Mode,1-Multiple Apllication Mode."
     flags="16">1</Key>

     <Key name="pref_key_user_mode" desc="User Mode 0-Single User Mode,1-Multiple User
     Mode." flags="16">1</Key>

     <Key name="key_disable_airplane_mode" desc="No airplane mode setting in power menu."
     flags="16">true</Key>

     <Key name="pref_key_disable_volume_mode" desc="Disable volume hard key"
     flags="16">false</Key>

     <Key name="motion_enable" desc="" flags="16">false</Key>

     <Key name="key_dock_mode" desc="Blanking only when docked"
     flags="16">false</Key>

     <Key name="key_voice_input" desc="Disable voice input when in motion"
     flags="16">false</Key>

     <Key name="key_gps_errant_data_filter" desc="Use some filter to filter out the GPS
     errant data" flags="16">true</Key>

     <Key name="key_enable_motion_speed" desc="Enable Speed threshold"
     flags="16">8</Key>

     <Key name="key_disable_motion_speed" desc="Disable Speed threshold"
     flags="16">0</Key>

     <Key name="key_speed_unit" desc="Speed unit" flags="16">km/h</Key>
```

```xml
<Key name="key_enable_motion_mode_time" desc="Enable time threshold"
flags="16">10</Key>

<Key name="key_disable_motion_mode_time" desc="Disable time threshold"
flags="16">10</Key>

<Key name="key_gps_lost_timer" desc="GPS lost timer"
flags="16">60</Key>

<Key name="key_blanking_mode" desc="Blanking mode"
flags="16">0</Key>

<Key name="image_path" desc="" flags="16" />

<Key name="key_logoff_timeout" desc="Auto logoff timer(Range should be 0-500 )"
flags="16">0</Key>

<Key name="key_wifi_enable" desc="Enable Wifi when user has wifi permission"
flags="16">true</Key>

<Key name="key_screen_lock_enable" desc="Enable existing screen lock
(Not supported on EDA70 devices)" flags="16">false</Key>

<Key name="key_custom_lock_type" desc="Custom Screen Lock Type
(0-None 1-Pin 2-Password)" flags="16">0</Key>

<Key name="key_custom_lock_pin_or_password" desc="Custom Lock Pin or Password(Pin
will allow only Numeric Inputs)" flags="16">
8D969EEF6ECAD3C29A3A629280E686CF0C3F5D5A86AFF3CA12020C923ADC6C92</Key>

<Key name="key_mobile_data_enable" desc="Enable the mobile data"
flags="16">true</Key>

<Key name="key_launcher_notificationbar_enable" desc="Enable launcher Notificationbar
for users" flags="16">true</Key>

<Key name="cache_system_date_and_time" desc="Enable launcher Notificationbar for
users" flags="16">false</Key>

<Key name="key_gboard_mode" desc="Keep Gboard option in Soft keyboard"
flags="16">false</Key>

<Key name="sso_enable" desc="" flags="16">false</Key>

<Key name="guest_user_enable" desc="" flags="16">false</Key>

<Key name="guest_profile" desc="" flags="16" />

<Key name="default_profile" desc="" flags="16" />

<Key name="sso_signout_timeout" desc="" flags="16">5</Key>

<Key name="key_display_mode" desc="Change Display Mode
(applicable only for devices with software navigation bar) 0 for Normal (default), 1
for hiding Navigation button, 2 for hiding Status, 3 for hiding both, 4 for
aggressive hiding of both(Option 4 is applicable only for Phoenix)(use with
caution)(Device needs to Reboot for aggressive hide/show )" flags="16">3</Key>
```

```
        <Key name="key_nfc_mode" desc="Configure NFC and Android Beam (0- Both OFF 1- NFC ON
        Beam OFF 2 - Both ON)" flags="16">0</Key>

    </Section>

   </Section>

  </Section>

  <HHPReserved name="Tool Version">

     <Key name="EXMVersion" flags="16">1.0.1</Key>

     <Section name="EZConfigBC">

       <Key name="RemotePath">\honeywellLauncher.exm</Key>

       <Key name="Simplify">0</Key>

       <Key name="MaxBarcodeSize">1900</Key>

       <Key name="ForcedNumBC">0</Key>

       <Key name="SystemReserved" />

       <Key name="Flags">0</Key>

       <Key name="DataFlags">0</Key>

     </Section>

   </HHPReserved>

</ConfigDoc>
```

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