Honeywell

UEMConnect Settings

for ScanPal™ Mobile Devices powered by Android™

User Guide

Disclaimer

Patents

For patent information, see www.hsmpats.com.

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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 sps.honeywell.com.

Product Service and Repair

Honeywell International Inc. provides service for all of its products through service centers throughout the world. Go to sps.honeywell.com and select Support to find a service center near you or to get a Return Material Authorization number (RMA #) before returning a product.

Limited Warranty

For warranty information, go to sps.honeywell.com and select Support > Warranties.

ABOUT UEMCONNECT

Overview

Honeywell UEMConnect makes use of the Google OEMConfig protocol by providing standardized development for EMMs and giving access to Honeywell propriety features. EMMs making use of Google OEMConfig and Honeywell UEMConnect are enabled to provide access to Honeywell proprietary features via the EMM console.

For more information about OEMConfig, see support.google.com/work/android/answer/9388447?hl

UEMConnect provides exclusive access to over 260 advanced Honeywell proprietary settings and provides supplemental access to standard EMM features. Alternatively, EMM providers may make use of generic Android APIs to provide standard EMM functionality. A UEMConnect license is needed for the Honeywell advanced propriety device settings and in the future, proprietary device data is used to create valuable insights. See Honeywell UEMConnect - Settings for a complete list of features that are exclusively available with a UEMConnect license.

Honeywell UEMConnect is available for download in the Google Play Store. UEMConnect licenses are included with the purchase of applicable SOTI offerings through Honeywell or may be purchased separately for applicable EMM solutions not purchased through Honeywell.

What's New in UEMConnect?

Over 260 exclusive UEMConnect features in Android 10.

What was added in V5?

Download File from Source to Destination

Added the below settings for V5:

- Screen Lock Settings
- Ethernet Proxy Type
- Ethernet Proxy URL

- Mobile Data Enable
- Silently Activate Device Admin

DOWNLOAD FILE FROM SOURCE TO DESTINATION

This setting allows a user to download files from the source location to the destination location and run specific intents on the device.

It can also be used to reboot the device from the UEMConnect restrictions.

Source File Path: Provide the Source File Path (specify the full path of the file from the server (http://, https://, ftp:// and file://) or device).

Destination Path: Provide the Destination Path for the device (e.g., /storage/emulated/0/honeywell/autoinstall/).

Run Intent: Run Intent activity manager commands here.

Reboot Required: Set this flag to true if reboot is required.

APPLICATIONS

General Settings

Whitelist/Blacklist Apps

Whitelist/Blacklist Apps allows the user to configure which system applications can/cannot be used on a device.

Use colon (:) to separate multiple entries.

To add or remove applications to (from) whitelist/blacklist, select a desired option from the list.

The setting has two options:

- **0** = Add applications to White or Blacklist.
- **1** = Remove applications from White or Blacklist.

Value

To whitelist/blacklist an application, specify the value WhiteApps or BlackApps and provide the name that identifies the system application and then specify to add or remove application.

For example:

Example 1: WhiteApps=com.android.chrome:com:1.

Example 2: BlackApps=com.android.chrome:com:0.

To whitelist/blacklist more applications, specify the value WhiteApps or BlackApps and provide the application names using colon(:) as a separator then specify to add or remove applications.

For example:

Example 1: WhiteApps=com.android.chrome:com.honeywell.tools.battmon:1

Example 2: BlackApps=com.android.chrome:com.honeywell.tools.battmon:0

Operational Intelligence Settings

Agent Connect Direct Settings

This setting enables the device to collect and send certain technical information (for example: Battery charge, Connectivity, and Location) concerning the device and its usage to Honeywell.

To enable or disable the Agent Connect Direct Settings, select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Agent Connect Direct Settings on the device.
- **Disable** will deactivate the Agent Connect Direct Settings on the device.

Value

Disable

DISPLAY SETTINGS

Adaptive Brightness

This setting allows the device to automatically adjust the brightness of the display based on the light reaching the device's ambient light sensor.

To enable or disable Adaptive Brightness setting on the device, select a desired option from the drop-down list box.

The setting has two options:

- **Enable** will activate the Adaptive Brightness setting on the device.
- **Disable** will deactivate the Adaptive Brightness setting on the device.

Value

Disable

Brightness Level

Brightness level is the perceived intensity of light coming from the screen of the device.

This setting allows the user to set the screen brightness of the device to a desired level. The screen back light brightness ranges from 0 to 255.

You can type a desired brightness value within the range in the text box provided.

Value

255

Display Sleep

Display Sleep is the time limit after which the device will timeout and automatically turn the display screen off.

To select the display timeout value:

Select a timeout value to be configured to the device from the display timeout list provided from the drop-down:

15 seconds, 30 seconds, 1 minute, 2 minutes, 5 minutes, 10 minutes, 30 minutes.

Value

10 minutes

Accelerometer Rotation

Accelerometer Rotation controls the rotation of the screen of the device to portrait mode or landscape mode.

You need to set the value for 'Full Accelerometer Rotation' setting to "Do not Allow" to make changes in this setting.

Note: This setting is not applicable for VM1A.

Select a desired option to be configured from the drop-down list box provided.

Reboot the device to apply the changes.

The setting has two options:

- **Stay In Portrait View**
- **Allow Accelerometer Rotation**

Value

Stay in Portrait View

Full Accelerometer Rotation

Note: This setting is not applicable for Android version 8.

This setting is used to enable or disable Full Accelerometer Rotation on the device.

You need to set the value for 'Accelerometer Rotation' setting to "Allow Accelerometer Rotation" to make changes in this setting.

Note: This setting is not applicable for VM1A.

Select a desired option to be configured from the drop-down list box provided. Reboot the device to apply the changes.

The setting has two options:

- **Allow** will enable Full Accelerometer Rotation on the device.
- **Do not Allow** will disable Full Accelerometer Rotation on the device.

Show Rotation Suggestions: Enable/Disable Show rotation suggestions.

Value

Allow

Density Smallest Width

This setting allows you to set the smallest width for density on the device. This value should be more than 0.

You can type a desired value in the text box provided.

Value

1

Font Size

In the font size list, select the required font size to be configured to the device from the drop-down list box provided.

The setting has four options:

- **Small**
- **Normal**
- **Large**
- **Huge**

Value

Normal

Enable Wi-Fi Display

Wi-Fi Display is a technology to display a device's content to another device over Wi-Fi.

This setting is used to enable or disable Wi-Fi Display option on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Wi-Fi Display option on the device.
- **Disable** will deactivate the Wi-Fi Display option on the device.

Value

Enable

Wallpaper

This setting allows the user to set a desired wallpaper on the device.

You can type the path of the wallpaper in the text box provided.

Value

/data/system/users/0

User Rotation

This setting controls the rotation of the device screen either in portrait or landscape mode.

- 0 = 0 degree rotation
- 1 = 90 degree rotation
- 2 = 180 degree rotation
- 3 = 270 degree rotation

Value

0

Daydream

Enable Screensaver

This setting allows the user to enable or disable the Screensaver option on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Screensaver option on the device.
- **Disable** will deactivate the Screensaver option on the device.

Value

Enable

Screensaver Components

This setting allows the user to select a desired Screensaver Component on the device.

Select a desired option from the drop-down list box provided.

The setting has five options:

- **Clock**
- **Colors**
- **Photo Frame**
- **Photo Table**
- **Photo**

Note: 'Photo Frame' and 'Photo Table' options are not supported on Android version 7.

Value

Clock

Display Dock Settings

Display Dock Orientation Portrait

Note: This setting is not applicable for Android versions 8 (EDA51), 9 and 10.

This setting is used to set whether to enable portrait orientation for Display Dock or not.

- 0 = Disable
- 1 = Enable

The setting has two options:

• **Enable** will activate the device to stay in portrait view.

• **Disable** will activate the device to stay in landscape view.

Display Dock Mode Primary

Note: This setting is not applicable for Android versions 8 (EDA51), 9 and 10.

This setting is used to set whether to enable primary mode for Display Dock or not.

- 0 = Disable
- 1 = Enable

The setting has two options:

• **Enable** will set primary mode automatically to adjust as configured in settings.

• **Disable** will set mirror mode to match the terminals settings.

Display Dock Mode HDMIAudio

Note: This setting is not applicable for Android versions 8 (EDA51), 9 and 10.

This setting is used to set whether to enable HDMIAudio mode for Display Dock or not.

- 0 =Disable
- 1 = Enable

The setting has two options:

• **Enable** = Sound to external monitor

• **Disable** = Sound to terminal

Display Dock Resolution

Note: This setting is not applicable for Android versions 8 (EDA51), 9 and 10.

This setting is used to set resolution for the Display Dock on the device.

Choose one of the following options:

- 0 = 1080x1920
- 1 = 1920x1080
- 2 = 720x1280
- 3 = 540x960

Display Dock Density

Note: This setting is not applicable for Android versions 8 (EDA51), 9 and 10.

This setting is used to set density for the Display Dock on the device.

Choose one of the following options:

- 0 = 160
- 1 = 240
- 2 = 320
- 3 = 400

Display Dock Mouse Right Back

Note: This setting is not applicable for Android versions 8 (EDA51), 9 and 10.

This setting is used to enable or disable the mouse right back for Display Dock on the device.

- 0 = Disable
- 1 = Enable

The setting has two options:

- **Enable** will turn on the feature.
- **Disable** will turn off the feature.

INPUT AND OUTPUT SETTINGS

LED Settings

Battery LED Mode

To select a Battery LED mode, click on the desired option to be configured to the device from the list.

The setting has three options:

- **0** = Default Battery LED
- **1** = HSM Battery LED
- **2** = No Battery LED

Use this setting for displaying different color LED's when the device is put to charge or in low battery.

Value

2

Key Remap and Wakeup Settings

Key Remap Settings

This setting enables the user to configure the physical keys on the device to different functions and other behaviors.

You must specify the mapping behaviors to be mapped to the identified physical key. If any prior mappings were applied, they will be replaced by the new specified behaviors.

The added key_names can be obtained from keyremap UI on the device.

This setting allows two types of key mapping on the device:

- The old key can be mapped to new key.
- The old key can be mapped to an application.

Value

To remap a single physical key on the device, provide the physical key name and specify the value of new key or application to be configured.

Example 1: RightScan-ENTER

Example 2: LeftScan–com.honeywell.demos.scandemo

The physical key RightScan is mapped to the Enter function on the device and the key LeftScan is mapped to an application.

To remap multiple physical keys on the device, use colon(:) in between each key remap.

For example: RightScan-ENTER:LeftScan–com.honeywell.demos.scandemo

Wakeup Key Settings

This setting allows the user to configure the Key wakeup sequence on the device.

To enable a Wakeup Key sequence on the device, enter a desired value in the text box provided.

The setting has two options to configure the sequence:

- **0** = Disabled
- **1** = Enabled

Value

1000, 1010, 1001

For example: The model EDA51 has four Key sequences as Wakeup keys, i.e., Left Scan, Right Scan, Volume Up and Volume Down.

If the value of the setting is set to 1000, then only the first key sequence, i.e., left Scan, will behave as the wakeup key and the other three keys, i.e., Right Scan, Volume Up and Volume Down, will not work as wakeup keys.

Note: The number of Wakeup Keys that can be set for a device is specific to the device and differs from one to another.

For Example:

On a EDA51 device: If this setting is set to 0011, this will Disable Left Scan, Right Scan and Enable Volume Up and Volume Down as below.
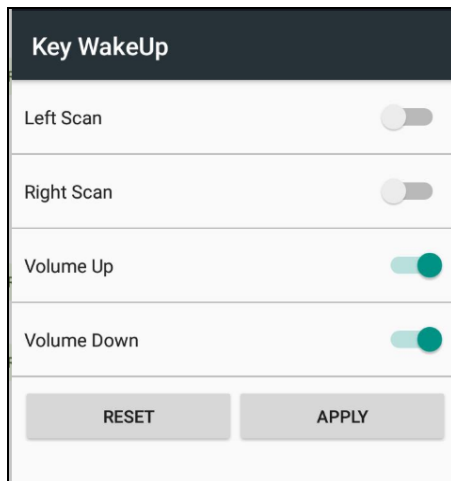
Clear All Key Remap Settings

This setting allows the user to clear all existing key mappings on the device.

To enable or disable the Clear All Key Remap Settings, select a desired option from the drop-down list box provided.

- **Enable** will activate the Clear All Key Remap Settings on the device.
- **Disable** will deactivate the Clear All Key Remap Settings on the device.

Value

Enable

Key Remap To Intent

Note: This setting is not applicable for Android versions 8 and 9.

This setting is used to set the key remap values oldkey-intents, intent should include "/" after package_name followed by "." and then followed by activity_name like 1-com.android.calculator2/.Calculator.

Touch Settings

Touch Panel Glove Mode

The setting allows the user to select the touch panel mode to be configured to the device.

The setting has two options:

- **1** = Disable
- **2** = Enable

Value

1

Storage Settings

SD Card Access Enabled

This setting is used to allow or restrict the SD Card access on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will allow the SD Card access on the device.
- **Disable** will restrict the SD Card access on the device.

Value

Enable

USB Settings

Lock USB Mode

This setting is used to lock USB Mode for a particular functionality on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has four options:

- **Not Locked**
- **Lock USB Charging**
- **Lock USB MTP**
- **Lock USB PTP**

Value

Not Locked

DEVICE MANAGEMENT SETTINGS

Honeywell Launcher Placeholder

HLPH Password

Note: This setting is not applicable for Android versions 8 and 9.

This setting is used to provide password for HLPH Password on the device.

The correct HLPH password grants access to the device following a reboot.

You can type the HLPH password in the text box provided.

Value

SampleHLPH#1

Clear HLPH Password

Note: This setting is not applicable for Android versions 8 and 9.

This setting allows the user to enable or disable Clear HLPH Password option on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Clear HLPH Password on the device.
- **Disable** will deactivate the Clear HLPH Password on the device.

Value

Disable

Auto Install Settings

Auto Install

This setting allows the device to automatically install the applications without user interference.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will allow the Auto Install function on the device.
- **Disable** will disallow the Auto Install function on the device.

Value

Disabled

Auto Install Verify Apps

This setting allows the user to enable or disable Auto Install Verify Apps option on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate Auto Install Verify Apps on the device.
- **Disable** will deactivate Auto Install Verify Apps on the device.

Value

Enable

EZConfig Settings

Enable User Password

This setting is used to enable password protection for EZConfig.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will enable the User Password option for EZConfig.
- **Disable** will disable the User Password option for EZConfig.

Value

Disabled

User Password

This setting is used to provide the password for encrypting the EZConfig Barcode.

Note: The same password must be provided while generating the EZConfig Barcode as well.

You can type a desired user password in the text box provided.

Value

EZconfig#1

Honeywell Provisioning Mode Settings

Provisioning Mode

Provisioning mode is set when provisioning configurations have unrestricted access.

Note: The Provisioning Mode will be 'Off' by default, but it can be turned 'On' manually in the settings.

Select the Provisioning Mode to be configured to the device.

The setting has three options:

- **Auto**
- **Always Enabled**
- **Always Disabled**

Value

Auto

Provisioning Mode Password Settings

By providing the Provisioning Mode Password, the user will be prompted to enable the Provisioning Mode.

You can type a desired provisioning mode password in the text box provided.

Value

Provisionpassword#1

Honeywell Restriction Settings

Restrictions - Network Settings

Restrict Network Location Provider

Network Location Provider allows the user to determine the location of the device by using the mobile connectivity.

This setting provides option to enable or disable the Restrict Network Location Provider setting on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Restrict Network Location Provider setting on the device.
- **Disable** will deactivate the Restrict Network Location Provider setting on the device.

Value

Enable

Selecting Enable will activate the Restrict Network Location Provider setting, i.e., Network Location Provider option will be restricted (inaccessible to user) and Disable will do the opposite.

Restrict Roaming Data

Roaming Data controls the accessibility to data usage on the device outside the registered region.

This setting provides option to enable or disable Restrict Roaming Data setting on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Restrict Roaming Data on the device.
- **Disable** will deactivate the Restrict Notification LED on the device.

Value

Enable

Selecting Enable will activate the Restrict Roaming Data setting, i.e., Roaming Data will be restricted (inaccessible to user) and Disable will do the opposite.

Restrictions – Notification Settings

Restrict Cacert Notification

Note: This setting is not applicable for Android versions 8 and 9.

This setting provides option to enable or disable Restrict Cacert Notification on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Restrict Cacert Notification on the device.
- **Disable** will deactivate the Restrict Cacert Notification on the device.

Value

Enable

Selecting Enable will activate the Restrict Cacert Notification, i.e., Cacert Notification option will be restricted (inaccessible to user) and Disable will do the opposite.

Restrict Notification LED

Note: This setting is not applicable for Android version 8.

Notification LED allows or restricts the LED notification pop-up on the device.

This setting provides option to enable or disable Restrict Notification LED on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Restrict Notification LED on the device.
- **Disable** will deactivate the Restrict Notification LED on the device.

Value

Enable

Selecting Enable will activate the Restrict Notification LED, i.e., Notification LED option will be restricted (inaccessible to user) and Disable will do the opposite.

Restrict System Notification

This setting provides option to allow or restrict the System Notifications on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will allow the System Notifications on the device.
- **Disable** will restrict the System Notifications on the device.

Value

Enable

Restrictions – MDM Settings

Restrict Bluetooth

This setting is used to configure the device to restrict the Bluetooth option in the Quick Settings menu.

- 0 = Enable
- 1 = Restrict

Restrict Google Backup

This setting will not allow the user to back up the content and data from the device to Google account.

Note: The user cannot restore the backed up information to the device if the data is lost.

- 0 = Enable
- 1 = Restrict

Restrict GPS Location Provider

This setting is used to configure the device to restrict the GPS Location service.

- 0 = Enable
- 1 = Restrict

Restrict Installation from Unknown Sources

This setting is used to configure the device to restrict the installation of data from the unknown sources.

- 0 = Enable
- 1 = Restrict

Restrict NFC

Near Field Communications (NFC) is a set of standards for portable devices. It allows the devices to establish peer-to-peer radio communications, passing data from one device to another by touching or putting the devices very close together.

This setting is used to configure the device to restrict the Near Field Communication (NFC) connectivity.

- 0 = Enable
- 1 = Restrict

Restrict Screen Capture

This setting is used to configure the device to restrict the screen capture functionality.

- 0 = Enable
- 1 = Restrict

Restrict Wi-Fi

This setting is used to configure the device to restrict the Wi-Fi option.

- 0 = Enable
- 1 = Restrict

Restrict Location

Location provider allows the user to determine the location of the device by using the mobile connectivity.

This setting provides option to enable or to restrict the Location on the device.

- 0 = Enable
- 1 = Restrict

Restrict Airplane Mode

Airplane Mode controls the option to cut off all wireless connections to the device.

Use this setting to restrict the Airplane Mode on the device.

- 0 = Enable
- 1 = Restrict

Restrict Factory Reset in Boot Menu

Note: This setting is appicable only for Andriod version 11.

This setting provides option to enable or disable provision of Restrict Factory Reset in boot menu.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will show the Factory Reset option in boot menu.
- **Disable** will hide the Factory Reset option in boot menu.

Value

Enable

Restrict Clipboard

This setting allows the user to enable or disable Clipboard on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will allow Clipboard on the device.
- **Disable** will disallow Clipboard on the device.

Value

Enable

Restrict Guest User

This setting allows the user to enable or disable Guest User on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will allow Guest User on the device.
- **Disable** will disallow Guest User on the device.

Value

Enable

Restrictions - Storage Settings

Restrict SD Card Access

This setting provides option to enable or disable Restrict SD Card Access on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Restrict SD Card Access on the device.
- **Disable** will deactivate the Restrict SD Card Access on the device.

Value

Enable

Selecting Enable will activate the Restrict SD Card Access, i.e., SD Card Access will be restricted (inaccessible to user) and Disable will do the opposite.

Restrictions - Quick Menu Settings

Remove Quick Settings Policy

This setting allows the user to enable or disable the Quick Setting menu on the device.

- 0 = Enable
- 1 = Disable the Quick Settings menu

Restrict Quick Setting Wi-Fi

This setting is used to configure the device to enable or restrict the Wi-Fi option in the Quick Settings menu.

- 0 = Enable
- 1 = Restrict

Restrict Quick Settings BT

This setting is used to configure the device to enable or restrict the Bluetooth option in the Quick Settings menu.

- 0 = Enable
- 1 = Restrict

Restrict Quick Settings Do Not Disturb

This setting is used to configure the device to enable or restrict the Do Not Disturb option in the Quick Settings menu.

- 0 = Enable
- 1 = Restrict

Restrict Quick Settings Cell

This setting is used to configure the device to enable or restrict the Cell Settings in the Quick Settings menu.

- 0 = Enable
- 1 = Restrict

Restrict Quick Settings Airplane Mode

This setting is used to configure the device to enable or restrict the Airplane Mode option in the Quick Settings menu.

- 0 = Enable
- 1 = Restrict

Restrict Quick Settings Rotation

This setting is used to configure the device to enable or restrict the Auto Rotate option in the Quick Settings menu.

- 0 = Enable
- 1 = Restrict

Restrict Quick Settings Flashlight

This setting is used to configure the device to enable or restrict the Flashlight option in the Quick Settings menu.

- 0 = Enable
- 1 = Restrict

Restrict Quick Settings Location

This setting is used to configure the device to enable or restrict the device Location option in the Quick Settings menu.

- 0 = Enable
- 1 = Restrict

Restrict Quick Settings Cast

This setting is used to configure the device to enable or restrict the Cast Setting in the Quick Settings menu.

- 0 = Enable
- 1 = Restrict

Restrict Quick Settings Multiuser

This setting is used to configure the device to enable or restrict the Multi-User Settings in the Quick Settings menu.

- 0 = Enable
- 1 = Restrict

Restrict Quick Settings

This setting allows the user to enable or restict the Quick Setting menu in the device.

- 0 = Enable
- 1 = Restrict

Restrict Quick Settings Battery

This setting is used to configure the device to enable or restrict the Battery Settings in the Quick Settings menu.

- 0 = Enable
- 1 = Restrict

Other Settings

Wedge as keys

Note: This setting is applicable only for Android version 8.

This is a list of character values to wedge as keys, represented as a comma separated list of decimal values.

Value

9, 10

Clear Previous Scan Result

This setting allows the user to clear the previous scan result on the screen of the device.

- 1 = Clear previous scanning result
- 0 = Default

Scan In Dialogue

Note: This setting is applicable only for Android version 8.

This setting is used to enable or disable the scan in dialogue on the device.

- 1 = Enable
- 0 = Disable (Default)

Safe Mode Enable

This setting is used to enable or disable safe mode on the device.

- 1 = Enable
- 0 = Disable

Software Keyboard Line Feed

This setting allows the user to enable the Enter key in the soft keyboard while scanning. The value must be 1.

Network Settings

DHCP Host Name

DHCP (Dynamic Host Configuration Protocol) is a standardized networking protocol used primarily for assigning dynamic IP addresses.

This optional parameter can be passed to the DHCP server with a DHCP request to provide additional information about the client.

The length of the DHCP host name is restricted to 35 characters and cannot include blank spaces.

Value

00:00:00:a1:2b:cc

Captive Portal HTTPS URL

Note: This setting is applicable only for Android versions 10 and 11.

This setting allows the user to set the Captive Portal Server Address on the device.

You can type a desired value in the text box provided.

Value

None

Captive Portal Mode

Note: This setting is not applicable for Android version 9.

This setting allows the user to set the captive portal mode and enable to detect captive portals.

Background Data Setting

This setting is used to allow or restrict usage of cellular data for applications running in the background.

You can define which application in the background can use cellular data.

Use semicolon (;) to separate multiple values.

The setting has two options:

- 0 = Allow
- 1 = Restrict

Value

For example: com.android.chrome:1; com.google.android.youtube:0

In this example, Google Chrome in the background is restricted to use cellular data and YouTube is allowed to use cellular data in background.

Airplane Mode On

Airplane Mode controls the option to cut off all wireless connections to the device.

Use this setting to enable or disable Airplane Mode on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Airplane Mode on the device.
- **Disable** will deactivate the Airplane Mode on the device.

Value

Disable

NFC Settings

Beam Enabled

Note: This setting is not applicable for Android version 9.

Android beam is a device-to-device data transfer tool that uses Near-Field Communication (NFC) and Bluetooth to send photos, videos, contact information, links to webpages, navigation directions and more from one device to another just by bumping them together.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Android Beam on the device.
- **Disable** will deactivate the Android Beam on the device.

Value

Disable

NFC Enabled

Note: This setting is not applicable for Android version 9.

Near Field Communications (NFC) is a set of standards for portable devices. It allows the devices to establish peer-to-peer radio communications, passing data from one device to another by touching or putting the devices very close together.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Near Field Communication (NFC) on the device.
- **Disable** will deactivate the Near Field Communication (NFC) on the device.

Value

Disable

Ethernet Settings

Ethernet Enable

This setting allows the user to configure the Ethernet settings on the device.

To enable or disable the operation of the Ethernet Adapter on the device, select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Ethernet settings on the device.
- **Disable** will deactivate the Ethernet settings on the device.

Value

Enable

Static or DHCP Selection

This setting is used to enable or disable the Ethernet Static or DHCP on the device.

If Dynamic (DHCP) is selected, an IP Address for the Ethernet adapter will be automatically fetched from the DHCP Server.

If Static is selected, an IP Address for the Ethernet adapter will be assigned based on the values selected for IP Address, Gateway Address, Network Mask, Primary DNS and Secondary DNS.

To enable or disable the Ethernet Static or DHCP, select a desired option from the drop-down list box provided.

This setting has two options:

- **Enable** will activate the Ethernet static on the device.
- **Disable** will activate the DHCP on the device.

Value

Enable

Static IP Value

This setting allows the user to set the Static IP value on the device.

Type the Static IP in the format xxx.xxx.xxx.xxx in the text box provided.

Value

192.168.12.34

Network Prefix Length

Network Prefix Length is the leftmost contiguous bits of an address which identifies the network portion of the address.

It is also used with uni-cast addresses to separate the prefix portion of the address from the Interface ID.

Value

In the Address: 2001:0db8:0000:0000:0000:0000:0000:0001, 2001:0db8 is the prefix.

Gateway

This setting allows the user to set the Static Gateway on the device.

Type the Static Gateway in the format xxx.xxx.xxx.xxx in the text box provided.

Value

192.168.1.1

DNS 1

This setting allows the user to set the primary DNS server address to be assigned on the device.

Type the Static DNS 1 in the format xxx.xxx.xxx.xxx in the text box provided.

Value

192.168.12.31

DNS 2

This setting allows the user to set the secondary DNS server address to be assigned on the device.

Type the Static DNS 2 in the format xxx.xxx.xxx.xxx in the text box provided.

Value

192.168.12.212

Proxy Name

This setting allows the user to manually enter the proxy server's details to gain the internet access via the Ethernet.

You can enter the address of the proxy in the text box provided.

Proxy URL: Set URL for proxy auto-config.

Proxy Type: Select proxy type.

This settings has 3 options.

- 0 = None
- 1 = Manual
- 2 = Proxy_auto config

Value

proxy.example.com

192.168.1.100

Proxy Port

This setting allows the user to manually enter the proxy server's details to gain the internet access via the Ethernet.

You should specify Port, Proxy Server and Bypass List whenever Ethernet Proxy Server configuration is performed to help ensure that all three values are synchronized.

Complete IP address will be the combination of Proxy hostname and Proxy port details.

Proxy URL: Set URL for proxy auto-config.

Proxy Type: Select proxy type.

This settings has 3 options.

- 0 = None
- 1 = Manual
- 2 = Proxy_auto config

Value

8080
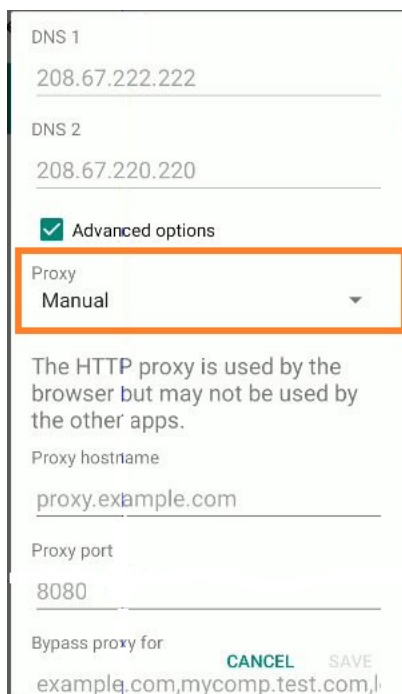
Proxy Type

This setting allows the user to manually choose the proxy type details to gain the internet access via the Ethernet.

You can select the type of proxy from the drop-down menu on the Ethernet setting.

1. Open Ethernet in Network & internet settings.
2. Enable the Ethernet to ON position.
3. Enable Advanced options in the IP settings window to access the proxy type.
4. Choose the proxy type to "Manual" and enter the proxy port value as 8080.

Note: When the user chooses the proxy type as either "None/Auto-Config", then the proxy type will not be shown.

5. Tap Save.
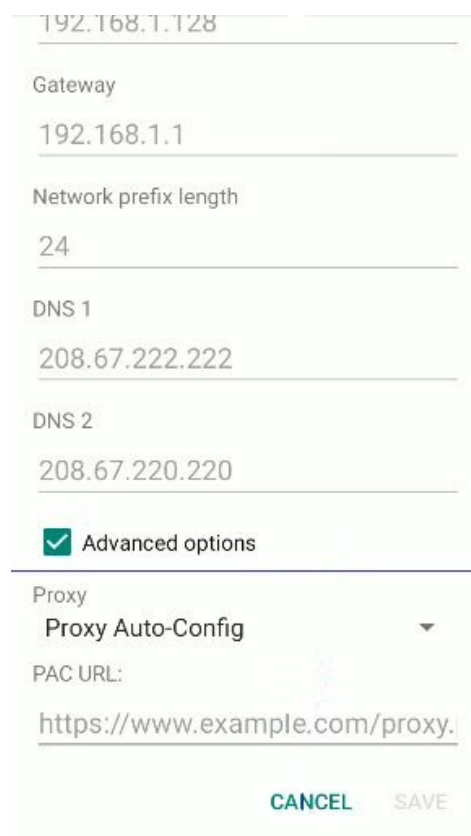
Proxy URL

This setting allows the user to manually choose the proxy URL details to gain the internet access via the Ethernet.

You can select the proxy URL from the drop-down menu on the Ethernet setting.

1. Open Ethernet in Network & internet settings.
2. Enable the Ethernet to ON position.
3. Enable Advanced options in the IP settings window to access the proxy URL.
4. Choose the proxy type to "Proxy Auto-Config" and enter the PAC URL address.

Note: When the user chooses the proxy type as either "None/Manual", then the proxy URL will not be shown.

5. Tap Save.

Bypass Proxy

The setting is used to provide access to any addresses that should bypass the Proxy Server to gain internet access on the device via the Ethernet.

Enter the Bypass Proxy address in the text box separated by commas.

Proxy URL: Set URL for proxy auto-config.

Proxy Type: Select proxy type.

This settings has 3 options.

- None
- Manual
- Proxy_auto config

Value

localhost, 127.0.0.1, bescom-mo.gov

Wi-Fi Settings

Wi-Fi Frequency Band

Wi-Fi Frequency Band is a range of frequency values the device can connect to.

Select the Wi-Fi frequency band to be configured to the device.

The setting has three options:

- **0** = **Auto** will automatically connect the device to the valid frequency band.
- **1** = **5 GHz** will only connect the device to 5GHz frequency band.
- **2** = **2.4 GHz** will only connect the device to 2.4GHz frequency band.

Value

1

Wi-Fi ESE Enable

This setting provides options to enable CCKM on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the CCKM on the device.
- **Disable** will deactivate the CCKM on the device.

Value

Disable = 1

Wi-Fi FT Enable

Wi-Fi FT (Fast Transition) allows the device to roam quickly in environments implementing WPA2 Enterprise security by ensuring that the device does not need to re-authenticate to the server every time it roams from one access point to another.

To enable or disable the Wi-Fi FT, select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Wi-Fi Fast Transition on the device.
- **Disable** will deactivate the Wi-Fi Fast Transition on the device.

Note: Wi-Fi will be automatically disabled during the setting change and then restored back.

Value

Enable

Wi-Fi gDot11 Mode

Note: This setting is applicable only for Android version 11.

Dot 11 is a fast, secure and reliable Wi-Fi service which delivers seamless network connectivity.

Select the desired option to be configured to the device. The valid value ranges from 0–9.

- **0 = auto**
- **1 = abg**
- **2 = 11b**
- **3 = 11g**
- **4 = 11n**
- **5 = 11g only**
- **6 = 11n only**
- **7 = 11b only**
- **8 = 11ac only**
- **9 = 11ac**

Value

7

Wi-Fi Power Save

Wi-Fi Power Save will analyse patterns in Wi-Fi traffic and adjust the wireless connection to reduce battery usage.

To enable or disable Wi-Fi Power Save, select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Wi-Fi Power Save on the device.
- **Disable** will deactivate the Wi-Fi Power Save on the device.

Note: Wi-Fi will be automatically disabled during the setting change and then restored back.

Value

Enable

Wi-Fi gP2P Enabled

Note: This setting is not applicable for Android version 8.

Peer-to-peer (P2P) computing or networking is a distributed application architecture that partitions tasks or workloads between peers.

To enable or disable Wi-Fi gP2P feature on the device, select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the P2P feature on the device.
- **Disable** will deactivate the P2P feature on the device.

Value

Enable

Wi-Fi WMM Configuration

Wi-Fi Multimedia is a specification that enhances Quality Of Service (Qos) on a network by prioritizing data packets according to the catagories: Voice, Video, Best effort and Background.

Select the WMM configuration to be applied to the device.

The setting has three options:

- 0 = Auto join any AP
- 1 = Enable Qos only
- 2 = Enable but Qos

Value

1

Wi-Fi Beacon Loss

Set the Beacon loss of the device to a desired level. The valid value ranges from 10 to 200.

To adjust the Beacon loss of the device, you can type a value in the text box provided.

Value

63

Wi-Fi Operating Channel Enable

Note: This setting is not applicable for Android version 11.

This setting enables WLAN subsystem to operate on the selected channels.

To enable or disable this setting on the device, select a desired option from the drop-down list box provided.

The setting has two options:

- 0 = Disable
- 1 = Enable

Note: Wi-Fi will be automatically disabled during the setting change and then restored back.

Value

0

Select the channels

This setting allows the user to enter the channels over which the WLAN will operate on the device.

The setting "Wi-Fi Operating Channel Enable" needs to be enabled prior to selection of channels here.

This function allows the user to select the desired channel for the Wi-Fi.

Note: Wi-Fi will be automatically disabled during the setting change and then restored back.

Value

1-14, 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 149, 153, 157, 161, 165.

Wi-Fi RSSI Threshold

Note: This setting is not applicable for Android versions 8 and 9.

RSSI (Received Signal Strength Indicator) Threshold is a measure of maximum power level that a RF client device can receive from an access point or router.

Set the Roaming RSSI threshold to a desired level. The valid value ranges from -90 to -40.

To adjust the Roaming RSSI threshold on the device, you can type a value in the text box provided.

Value

-72

Wi-Fi RSSI Difference

Note: This setting is not applicable for Android versions 8 and 9.

Set the Roam RSSI (Received Signal Strength Indicator) difference to a desired level. The valid value ranges from 5 to 50.

Note: Wi-Fi will be automatically disabled during the setting change and then restored back.

To adjust the Roam RSSI difference on the device, you can type a value in the text box provided.

Value

24

Reset Roaming Parameters

Note: This setting is not applicable for Android version 11.

This setting allows the user to reset the existing roaming parameters on the device.

To enable or disable Reset Roaming Parameters on the device, select a desired option from the drop-down list box provided.

Note: Wi-Fi will be automatically disabled during the setting change and then restored back.

Value

Enable

WLAN Country Code

Note: This setting is not applicable for Android versions 8 and 9.

This setting is used to set WLAN Country Code on the device.

You can type a desired value in the text box provided.

Value

BE/ Belgium

Clear WLAN Country Code

Note: This setting is not applicable for Android versions 8 and 9.

This setting is used to clear WLAN Country Code on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Clear WLAN Country Code on the device.
- **Disable** will deactivate the Clear WLAN Country Code on the device.

Value

Enable

Wi-Fi Available Notification Enabled

This option controls the notification of open Wi-Fi networks on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the notification of open Wi-Fi networks.
- **Disable** will deactivate the notification of open Wi-Fi networks.

Value

Disable

Wi-Fi Enabled

This setting provides options to configure the Wi-Fi function on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Wi-Fi function on the device.
- **Disable** will deactivate the Wi-Fi function on the device.

Value

Disable

Wi-Fi Whitelist

This setting allow the devices to connect to the selected Wi-Fi networks and to configure the SSID.

- 1 = Enable
- 0 = Disable

Value

0

Wi-Fi Sleep Policy

Note: This setting is not applicable for Android versions 9, 10 and 11.

This setting allows the Wi-Fi to be active even after the screen goes off (sleep).

- 0 = Never (This setting allows the Wi-Fi to be active for 17 minutes even after suspending)
- 1 = Only when plugged in
- 2 = Always

Value

2

Force Wi-Fi Preference

This setting is to choose the preferred Wi-Fi than cellular data in private network.

- 1 = Enable
- 0 = Disable

Value

0

Enable 11k

Note: This setting is not applicable for Android versions 8 and 9.

The 802.11k standard helps devices to search quickly for nearby APs that are available as roaming targets by creating an optimized list of channels. When the signal strength of the current AP weakens, your device will scan for target APs from this list.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the 802.11k on the device.
- **Disable** will deactivate the 802.11k on the device.

Note: Wi-Fi will be automatically disabled during the setting change and then restored back.

Value

1

Wi-Fi Scan Time

Note: This setting is not applicable for Android version 11.

This setting is used to set the scan time of Wi-Fi on the device.

The value can be set to 0, 20 and 40.

- 0 = The default process
- 20 = Scan once every 20 second
- 40 = Scan once every 40 second

Value

0

GBlock ACK Enable

Note: This setting is applicable only for Android version 8.

Note: You must disable Wi-Fi before setting this item.

Block Acknowledgment is an 802.11 MAC feature that increases throughput by decreasing protocol overhead. Instead of individually acknowledging each received packet, a single block acknowledgment frame can acknowledge multiple packets. This reduces the number of ack frames and corresponding interframe spaces, thereby increasing throughput.

- 1 = Enable Block ACK in 802.11
- 0 = Disable Block ACK in 802.11

Value

1

Wi-Fi Country Code

Note: This setting is applicable only for Android version 11.

This setting is used to set Wi-Fi Country Code on the device. The input supports two character country codes like CN or GB, etc.

Value

0

G11d Support Enabled

Note: This setting is applicable only for Android version 11.

This setting provides options to support 802.11d on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the 802.11d on the device.
- **Disable** will deactivate the 802.11d on the device.

Value

Disable

GOperating Channel List

This setting enables the system to operate on the selected channels. The Wi-Fi will work on the selected channels.

Value

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 149, 153, 157, 161, 165.

Note: You must disable Wi-Fi before setting these values.

GNeighbor Lookup Threshold

This setting allows the roaming RSSI threshold values set from minimum to maximum.

Note: Wi-Fi will be automatically disabled during the setting change and then restored back.

- Min = -90
- Max = -40

Note: For Android version 11, the value ranges from

- Min = 10
- Max = 120

Value

65

Roam RSSI Difference

Set the Roam RSSI (Received Signal Strength Indicator) difference to a desired level.

The valid value ranges from 5 to 50.

Note: You must disable Wi-Fi before setting this item.

Value

10

GEmpty Scan Refresh Period

Note: This setting is not applicable for Android version 11.

This setting is used to roam rescan when the device can't find the candidate.

When a wireless client device approaches an AP with a stronger signal, the client device must associate with the new AP and disassociate its connection from the old AP. When it cannot find the candidate, the wireless client device will rescan to find the new AP.

- Min = 0
- Max = 10000

Note: You must disable Wi-Fi before setting this item.

Value

4000

GRoam Scan Offload Enabled

Note: This setting is not applicable for Android version 11.

This setting is used to enable offload roaming scan.

When a device is disconnected from Wi-Fi and the screen is off, the scans are used to find and connect to saved networks.

- 1 = Enable
- 0 = Disable

Note: You must disable Wi-Fi before setting this item.

Value

0

GRoam Intra Band

Note: This setting is not applicable for Android version 11.

This setting is used to enable across band roaming.

- 1 = Enable (Roaming within band)
- 0 = Disable (Roaming across band)

Note: You must disable Wi-Fi before setting this item.

Value

1

Gateway

This setting allows the user to set the Static Gateway on the device.

Type the Static Gateway in the format xxx.xxx.xxx.xxx in the text box provided.

Prefix Length

Prefix Length is the leftmost contiguous bits of an address which identifies the network portion of the address.

Set the network prefix length from 0 to 32.

DNS 1

This setting allows the user to set the primary DNS server address to be assigned on the device.

Type the DNS 1 in the format xxx.xxx.xxx.xxx in the text box provided.

Example: OPERATION_TYPE_WIFI_PROFILE_STR

DNS 2

This setting allows the user to set the secondary DNS server address to be assigned on the device.

Type the DNS 2 in the format xxx.xxx.xxx.xxx in the text box provided.

Example: OPERATION_TYPE_WIFI_PROFILE_STR

SSID

SSID (Service Set IDentifier) displays the available networks on the device. Wireless router or access points broadcast the SSIDs so the nearby devices can find and display any available networks.

BSSID

BSSID describe the sections of a wireless local area network or WLAN. It recognizes the access point or router because it has a unique address which creates the wireless network.

Assoc Mode

802.11 authentication is the first step in network attachment. 802.11 authentication requires a mobile device (station) to establish its identity with an Access Point (AP) or broadband wireless router. No data encryption or security is available at this stage.

- None = 0
- WEP = 1
- WPA/WPA2 PSK = 2
- 802.1xEAP = 3

PSK

This setting describes the Pre-Shared Key information.

Encryption

Encryption methods got more robust as the 802.11 security protocols evolved, such as 802.11i, WPA, WEP, and other related protocols.

- Open = 0
- Shared = 1
- TKIP = 2
- AES-CCMP = 3
- TKIP + CCMP = 4

EAP Method

EAP methods protect a specific portal so that only users with an authentication key or password can get network access. These methods limit the number of users and help prevent network congestion, making networks faster and more secure. Organizations can use EAP methods to adapt to specific privacy needs and company guidelines.

- PEAP = 0
- TLS = 1
- TTLS = 2
- PWD = 3
- SIM = 4
- AKA = 5
- AKA = 6
- LEAP = 9

Phase 2 Authentication

This setting provides the method of inner authentication.

- None = 0
- PAP = 1
- MSCHAP = 2

Identity

This is the 802.1X identity supplied to the authenticator. The identity value can be up to 63 ASCII characters and case-sensitive.

Password

This is the password used for MD5-Challenge or LEAP authentication. It may contain up to 63 ASCII characters and case-sensitive. Asterisks appear instead of characters for enhanced security.

Anonymous Identity

Enter the anonymous ID. This ID creates a tunnel through which the real ID (as entered in the Identity field) can pass. For additional security, make this ID different than the one entered in the Identity field.

Tunnel PAC

This setting is used to find file path (on the device) for the Tunnel PAC certificate.

Note: Certificate file must be copied to each device prior to running configuration.

Machine PAC

This setting is used to find file path (on the device) for the Machine PAC certificate.

Note: Certificate file must be copied to each device prior to running configuration.

Provisioning

Provisioning refers to service activation and involves programming various network databases with the customer's information.

- No provisioning = 0
- Anonymous = 1
- Authenticated = 2
- Anonymous + Authenticated = 3

Provisioning Mode

Provisioning mode is set when provisioning configurations have unrestricted access.

Note: The Provisioning Mode will be 'Off' by default, but it can be turned 'On' manually in the settings.

Select the Provisioning Mode to be configured to the device.

The setting has three options:

- **Auto**
- **Always Enabled**
- **Always Disabled**

Value

Auto

CA Certificate

CA certificates are any certificates created by Certified Authority (CA).

Client Certificate

Client certificates contain information that identifies the user, as well as information about the organization that issued the certificate. This ensures that you can encrypt data end-to-end.

Private Key

This setting is used to find Private Key file path (Must be located on the terminal).

Private Key Password

If you have loaded a private key, enter the password that unlocks the private key.

WEP Key Mode

Note: This setting is not applicable for Android version 11.

Mode being used by WEP keys. ASCII mode uses all alpha numeric characters. HEX uses only numerics and A-F.

Valid lengths are as follows:

- ASCII = 0
- 128bit ASCII = 1
- 64bit HEX = 2
- 128bit HEX = 3

WEP Key0

Note: This setting is not applicable for Android version 11.

This setting is used to find value for the WEP key. Lengths are character type must confirm to WEP Key Mode to set above.

WEP Key1

Note: This setting is not applicable for Android version 11.

This setting is used to find value for the WEP key. Lengths are character type must confirm to WEP Key Mode to set above.

WEP Key2

Note: This setting is not applicable for Android version 11.

This setting is used to find value for the WEP key. Lengths are character type must confirm to WEP Key Mode to set above.

WEP Key3

Note: This setting is not applicable for Android version 11.

This setting is used to find value for the WEP key. Lengths are character type must confirm to WEP Key Mode to set above.

Active Key

Note: This setting is not applicable for Android version 11.

This setting is used to set WEP Key (0-3).

AP Proxy Type

This setting is used to set proxy type.

- 0 = None
- 1 = Manual
- 2 = Proxy Auto-Config

AP Proxy Host Name

This setting is used to set proxy host xxx.xxx.xxx.xxx.

AP Proxy Port

This setting is used to set proxy port.

AP Proxy Bypass List

This setting is used to set bypass for proxy and use comma as separator.

AP Proxy PAC URL

This setting is used to set URL for proxy sequence.

IP Type

This setting is used to set IP type.

- 0 = DHCP
- 1 = Static

IP Address

This setting is used to set static IP address xxx.xxx.xxx.xxx.

Delete Wi-Fi AP

This setting allows the user to enter the SSID for Wi-Fi AP deletion.

WWAN Settings

Cellular Data Enabled

This setting allows the user to enable or disable Cellular Data on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Cellular Data on the device.
- **Disable** will deactivate the Cellular Data on the device.

Value

Disable

Roaming Data Enabled

Roaming Data controls the accessibility to data usage on the device outside the registered region.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Roaming Data on the device.
- **Disable** will deactivate the Roaming Data on the device.

Value

Disable

WWAN APN Profile

Name

This setting provides option to enter the APN (Access Point Name) to be used on the device.

Type the required APN in the text box provided.

Value

Smart Internet

APN

An APN (Access Point Name) is the name of a gateway between a GSM, GPRS, 3G or 4G mobile network and another computer network, frequently the public Internet.

This setting specifies the web address of the service provider.

Value

vodefoneserviceprovider

APN Proxy

This setting specifies the address of the proxy server. This may be given as an IP address (for example, numbers connected with dots or colons such as 10.0.0.1) or as a hostname.

You can type the desired APN Proxy in the text box provided.

Many carriers do not require a proxy.

Value

192.168.12.101

Port

This field relates to the Proxy field and if a proxy is being used, both must be set. There is no default value for this field and leaving it blank will disable use of the proxy.

Consult your carrier's recommended APN settings to see what port number you need to use if you are using an HTTP proxy. If you do not need to use an HTTP proxy this should remain empty.

Value

7070

Username

This setting allows the user to enter a user name that can be used to authenticate to an APN.

A network accessed via an APN may or may not require authentication (Authentication is done using a username and a password).

Value

beeline.username

APN Password

This setting allows the user to authenticate to an APN using a password in order to access a network.

A network accessed via an APN may or may not require authentication (Authentication is done using a username and a password).

Value

beeline-password-beeline

Server

This setting allows the user to enter a WAP Gateway Server address to be used for an APN.

This field is usually left blank.

Value

192.168.12.1

MMSC

This setting allows the user to enter the Multimedia Messaging Service Center (MMSC) address required to send and receive MMS messages over the network accessed via an APN.

Value

http://mmsc.proxy.com

MMS Proxy

This setting refers to the address or name of an HTTP proxy to be used only for communicating with the MMSC (Multimedia Messaging Service Center) to send and receive MMS messages over the network accessed via an APN.

If an MMS Proxy is required, an MMS Port is also generally required.

Value

Testproxy name

MMS Port

This setting refers to the port number of an HTTP proxy to be used only for communicating with the MMSC (Multimedia Messaging Service Center) to send and receive MMS messages over the network accessed via an APN.

If an MMS Proxy is required, an MMS Port is also generally required.

Value

8080

MCC

MCC stands for Mobile Country Code. This option specifies the carrier network that the APN configuration should be used for.

The MCC generally matches the SIM Card being used or the APN will not be usable.

Value

404

MNC

MNC Stands for Mobile Network Code. This option specifies the carrier network that the APN configuration should be used for.

The MNC generally matches the SIM Card being used or the APN will not be usable.

Value

49

Authentication Type

Authentication Type is a method used to establish a data connection on the device.

Select authentication type to be configured to the device.

The setting has four options:

- **0** = None
- **1** = PAP
- **2** = CHAP
- **3** = PAP / CHAP

Value

3

Type

This feature specifies which types of data communication should use this APN configuration. Different types of communication may use different configurations.

Value

MMS

Protocol

This setting specifies whether to enable IPv4, IPv6 or both.

This can be set independently for home and roaming networks.

Select the option to be configured to the device.

The setting has three options:

- **0** = IPV4
- **1** = IPV6
- **2** = IPV4 / IPV6

Value

2

Roaming Protocol

This setting specifies whether to enable IPv4, IPv6 or both on the device.

This can be set independently for home and roaming networks.

Select the option to be configured to the device.

The setting has three options:

- **0** = IPV4
- **1** = IPV6
- **2** = IPV4 / IPV6

Value

1

Bearer

This is an optional field allowing you to exclude this APN configuration based on the communication technology.

Select the option to be configured to the device.

The setting has three options:

- **0** = LTE
- **1** = eHRPD
- **2** = Unspecified (default)

Value

2

MVNO Type

This setting allows the user to select a desired MVNO (Mobile Virtual Network Operator) Type on the device. It also restricts use of the APN to certain MVNOs or subscriber accounts.

Select the MVNO Type to be configured to the device.

The setting has four options:

- **0** = None, No MVNO will be used to configure for the APN.
- **1** = SPN, the MVNO will be specified via an SPN (Service Provider Name) value for the APN.
- **2** = IMSI, the MVNO will be specified via an IMSI (International Mobile Subscriber Identity) value for the APN.
- **3** = GID, the MVNO will be specified via a GID (Group Identifier) value for the APN.

Value

3

MVNO Match Data

This setting allows the device to match the APN (Access Point Name) on the MVNO (Mobile Virtual Network Operator) and the carrier to allow data transmission through the connected channel.

The exact value to be specified depends on the MVNO Type specified. Consult your MVNO carrier for information on the MVNO Type and MVNO Match Data value to be used.

If no APN is provided in the MVNO match data, device will automatically fetch the default APN on the device.

Value

4E, 302720x94, BEN NL

Preferred APN

An APN (Access Point Name) is the name of a gateway between a GSM, GPRS, 3G or 4G mobile network and another computer network, frequently the public Internet.

This setting allows to input APN name as preferred by the user.

Bluetooth Settings

Bluetooth Whitelist Enabled

This setting allows the user to enable or disable the Bluetooth Whitelist functionality on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Bluetooth Whitelist functionality on the device.
- **Disable** will deactivate Bluetooth Whitelist functionality on the device.

Value

Enable

Add Bluetooth Whitelist

This setting is used to provide the OUI (Organizationally Unique Identifier) information to Bluetooth Whitelist.

You can type a desired value in the text box provided.

Use semicolon (;) to separate the OUIs.

Value

00:11:22;11:22:33

Clear Bluetooth Whitelist

This setting allows the user to clear the Bluetooth Whitelist values on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Clear Bluetooth Whitelist functionality on the device.
- **Disable** will deactivate Clear Bluetooth Whitelist functionality on the device.

Value

Enable

Bluetooth Device Name

This setting allows the user to provide a name for the device's Bluetooth network.

You can type a desired value in the text box provided.

Value

CT60

Enable Bluetooth Silent Pairing

Note: This setting is applicable only for Android versions 10 and 11.

This setting controls whether the device will be permitted to pair with remote Bluetooth devices without requiring user confirmation.

Note: This feature is different from auto-pairing; it skips the confirmation step after device pairing has been initiated by the user.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Bluetooth Silent Pairing functionality on the device.
- **Disable** will deactivate the Bluetooth Silent Pairing functionality on the device.

Value

Enable

Bluetooth Enable

This setting allows the user to enable or disable Bluetooth function on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Bluetooth function on the device.
- **Disable** will deactivate Bluetooth function on the device.

Value

Enable

SCANNER SETTINGS

Suppress Prompt for ScanHandle

This setting is used to suppress the prompt whether scan handle is attached or not.

Select the option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Yes** = Hide
- **No** = Display Value Hide

Value

Hide

SYSTEM SETTINGS

OS SDK Setting

OS SDK Setting will whitelist the application packages allowed to perform sensitive operations provided by the Honeywell SDK.

Use comma (,) as separator in between Package names.

Set to 0 to clear whitelist [Requires FW: 86.xx.06+].

Value

com.package.name1,com.package.name2

Date and Time

Auto Time

This setting provides option to fetch the date, time and time zone automatically from the network.

To enable or disable the Auto Time option, select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Auto Time setting on the device.
- **Disable** will deactivate the Auto Time setting on the device.

Value

Enable

Date and Time

This setting enables the user to set the appropriate date and time on the device and to set the display style of Date and Time on the device.

Set date and time in the format yyyy-mm-dd, hh:mm.

Value

2019-09-12, 10:52

Select Time Zone

This setting allows the user to select whether time zone configuration will be performed manually or automatically by connecting to a NITZ (Network Identity and Time Zone) source.

Select the desired time zone from the drop-down list box.

Value

America/Los_Angeles

Sets the Time from NTP

This setting allows the user to enter the address of the Network Time Protocol (NTP) Server to be used to perform automatic date and time configuration on a device when the Auto Time mode is configured on the device.

Value

us.pool.ntp.org

Show NTP Server Option

This setting controls whether to show or hide the NTP Server option in the device UI in settings.

The setting has two options:

- **On** = Show
- **Off** = Hide

Value

Off

Auto Time Zone

This setting allows the user to set the preferred time zone fetched from the network (NITZ) automatically.

- 1 = Yes
- 0 = No

Time 12 24

This setting allows the user to set the time in defined format either 12 hours or 24 hours.

Doze Mode

Doze Mode Settings

Doze Mode prevents certain tasks from running when the device is in idle state to reduce power consumption.

To enable or disable the Doze Mode Settings, select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Doze Mode Settings on the device.
- **Disable** will deactivate the Doze Mode Settings on the device.

Value

Enable

Logger Settings

HXLogger Settings

HXLogger enables the logging option on the device. The logs will be placed in a folder structure in the internal storage of the device and the reports related to applications or errors or other information will be logged here.

This setting allows the user to enable or disable the HX Logger setting on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the HXLogger Settings on the device.
- **Disable** will deactivate the HXLogger Settings on the device.

Value

Enable

HXLogger Settings

Logger Path

This setting is used to set the path of the logger folder on the device.

You can type a desired value in the text box provided.

Value

Default path = /storage/IPSM/logger

ANR Plugin

This setting allows the user to enable or disable ANR Plugin on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the ANR Plugin on the device.
- **Disable** will deactivate the ANR Plugin on the device.

Value

Enable

Tombstone Plugin

This setting allows the user to enable or disable Tombstone Plugin on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Tombstone Plugin on the device.
- **Disable** will deactivate the Tombstone Plugin on the device.

Value

Enable

TCPDump Plugin

This setting allows the user to enable or disable TCPDump Plugin on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the TCPDump Plugin on the device.
- **Disable** will deactivate the TCPDump Plugin on the device.

Value

Enable

TCPDump Interface Value

This setting is used to set TCPDump Interface Value on the device.

You can type a desired value in the text box provided.

Value

12

Enable Snapshot Plugin

This setting is used to set whether to enable Snapshot Plugin or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Snapshot Plugin on the device.
- **Disable** will deactivate the Snapshot Plugin on the device.

Value

Enable

Snapshot Log Interval

This setting is used to set log interval in seconds on the device.

You can type a desired value in the text box provided.

Value

10

Snapshot Log Keep Time

This setting is used to set log keep time in seconds on the device.

You can type a desired value in the text box provided.

Value

50

Enable SnapShot topcmd

This setting is used to set whether to enable Top Command or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Top Command on the device.
- **Disable** will deactivate the Top Command on the device.

Value

Enable

Enable SnapShot CPUInfo

This setting is used to set whether to enable SnapShot CPUInfo or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the SnapShot CPUInfo on the device.
- **Disable** will deactivate the SnapShot CPUInfo on the device.

Value

Enable

Enable SnapShot MemInfo

This setting is used to set whether to enable SnapShot MemInfo or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the SnapShot MemInfo on the device.
- **Disable** will deactivate the SnapShot MemInfo on the device.

Value

Enable

Enable SnapShot Diskinfo

This setting is used to set whether to enable SnapShot DiskInfo or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the SnapShot DiskInfo on the device.
- **Disable** will deactivate the SnapShot DiskInfo on the device.

Value

Enable

Enable SnapShot ProcessInfo

This setting is used to set whether to enable SnapShot ProcessInfo or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the SnapShot ProcessInfo on the device.
- **Disable** will deactivate the SnapShot ProcessInfo on the device.

Value

Enable

Enable Dumpsys Plugin

This setting is used to set whether to enable Dumpsys Plugin or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Dumpsys Plugin on the device.
- **Disable** will deactivate the Dumpsys Plugin on the device.

Value

Enable

Dumpsys Log Interval

This setting is used to set Dumpsys Log Interval in seconds on the device.

You can type a desired value in the text box provided.

Value

50

Dumpsys Log KeepTime

This setting is used to set Dumpsys Log KeepTime in seconds on the device.

You can type a desired value in the text box provided.

Value

50

Enable Dumpsys AudioInfo

This setting is used to set whether to enable Dumpsys AudioInfo or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Dumpsys AudioInfo on the device.
- **Disable** will deactivate the Dumpsys AudioInfo on the device.

Value

Enable

Enable Dumpsys Battery Info

This setting is used to set whether to enable Dumpsys Battery Info or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Dumpsys Battery Info on the device.
- **Disable** will deactivate the Dumpsys Battery Info on the device.

Value

Enable

Enable Dumpsys Location Info

This setting is used to set whether to enable Dumpsys Location Info or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Dumpsys Location Info on the device.
- **Disable** will deactivate the Dumpsys Location Info on the device.

Value

Enable

Enable Dumpsys Wi-Fi Info

This setting is used to set whether to enable Dumpsys Wi-Fi Info or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Dumpsys Wi-Fi Info on the device.
- **Disable** will deactivate the Dumpsys Wi-Fi Info on the device.

Value

Enable

Enable Dumpsys Wi-Fi Scanner Info

This setting is used to set whether to enable Dumpsys Wi-Fi Scanner Info or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Dumpsys Wi-Fi Scanner Info on the device.
- **Disable** will deactivate the Dumpsys Wi-Fi Scanner Info on the device.

Value

Enable

Enable Dumpsys Power Info

This setting is used to set whether to enable Dumpsys Power Info or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Dumpsys Power Info on the device.
- **Disable** will deactivate the Dumpsys Power Info on the device.

Value

Enable

Enable DiagMdLog Plugin

This setting is used to set whether to enable DiagMdLog Plugin or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the DiagMdLog Plugin on the device.
- **Disable** will deactivate the DiagMdLog Plugin on the device.

Value

Enable

Enable Camera Plugin

This setting is used to set whether to enable Camera Plugin or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Camera Plugin on the device.
- **Disable** will deactivate the Camera Plugin on the device.

Value

Enable

Enable Dumpsys NFC

This setting is used to enable or disable NFC on the device.

- 1 = Enable
- 0 = Disable

Language and Input Settings

Locale Country

This setting allows the user to set the country code on the device, like 'US'.

You can select the appropriate country code from the drop-down list provided.

Value

US

Locale Language

This setting allows the user to select the language of preference for navigation on the device.

You can select a desired language from the drop-down list provided.

Value

English

Default Input Method

This setting enables the user to set the Default Input Method on the device.

You can type a desired default input method in the text box provided.

Value

com.android.hsm.sip/.SIPSoftKeyboard

Autofill Service

Note: This setting is not applicable for Android versions 8 and 9.

This setting is used to set whether to enable Autofill Service or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Google Autofill Service**
- **None**

Value

None

Pointer Speed

This setting allows the user to change the speed at which mouse pointer moves.

Valid value ranges between -7 and +7.

You can type a desired value in the text box provided.

Value

0

Spell Checker Enabled

This setting allows the user to know when words are misspelled and corrects misspelled words as you type.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Spell Checker on the device.
- **Disable** will deactivate the Spell Checker on the device.

Value

Enable

Selected Spell Checker

Selected Spell Checker service is one of the services managed by the text service manager and helps to check the spelling for a selected text.

You can type the package name of the spell checker service that you want to enable for spell checking.

Value

Sample Package

Enabled Input Methods

This setting enables the user to set input method list.

Use colon as a separator for multiple entries.

For example:
com.android.hsm.sip/.SIPSoftKeyboard:com.android.inputmethod.pinyin/.PinyinIME.

Value

com.android.hsm.sip/.SIPSoftKeyboard:com.android.inputmethod.pinyin/.PinyinIME.

Show IME with Hard Keyboard

This setting allows the user to use the physical keyboard to input the values on the device.

Text to Speech

TTS Default Rate

Set the Text to Speech (TTS) default rate of the device to a desired level.

The text to speech default rate ranges from 0 to 8.

Select a desired value from the drop-down list box provided.

- 0 - Very slow
- 1 - Slow
- 2 - Normal
- 3 - Fast
- 4 - Faster
- 5 - Very Fast
- 6 - Rapid
- 7 - Very Rapid
- 8 - Fastest

Value

2

Location

Wi-Fi Scan Always Enabled

This setting controls the device to always keep scanning for available Wi-Fi networks.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Wi-Fi Scan Always Enabled on the device.
- **Disable** will deactivate the Wi-Fi Scan Always Enabled on the device.

Value

Enable

Bluetooth Low Energy Scan Always Enabled

This setting allows the user to set whether to keep Bluetooth Low Energy Scan always enabled or not.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Bluetooth Low Energy Scan Always Enabled on the device.
- **Disable** will deactivate the Bluetooth Low Energy Scan Always Enabled on the device.

Value

Enable

Location Settings

Select the Location Mode. These options are available in Android N and O. The three options other than "off" will make the Location Mode on in Android Pie.

There are 4 options available for this setting.

- Off
- Sensors only
- Location providers allowed
- High accuracy

Printing Configuration

Enable Cloud Print Service

This setting is used to set whether to enable cloud print service or not.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Enable Cloud Print Service on the device.
- **Disable** will deactivate the Enable Cloud Print Service on the device.

Value

Enable

Screen Lock Settings

Use these options to set Screen Lock related settings.

None

Enter 1 to set screen lock to None.

Note: For Pie and above Android versions, enter 'Saved Screen Lock Password' to make this setting take effect.

Saved Screen Lock Password

Note: This setting is applicable only for Android version 11.

Set current saved password, default is 0000. (Supported on Pie and above Android versions).

Secure Start-Up Enabled

Note: This setting is applicable only for Android version 11.

Set whether to enable Secure start-up or not. If enabled, screen lock PIN is required to start your device. (Supported on Oreo and above Android versions).

Password Quality

Note: This setting is not applicable for Android version 11.

Set password quality.

Screen Lock Password

Set screen lock pin, at least 4 numbers.

Note: For Pie and above Android versions, enter 'Saved Screen Lock Password' to set new PIN.

Clear Screen Lock Password

Enter 1 to clear the Screen Lock.

Note: For Pie and above Android versions, enter 'Saved Screen Lock Password' to make this setting take effect.

Security

Show Password Enabled

This setting is used to enable or disable to show password characters in text editors or not.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate Show Password Enabled on the device.
- **Disable** will deactivate Show Password Enabled on the device.

Value

Enable

Users

Add Users From Locked Screen Enabled

This setting is used to determine whether users are allowed to add more users or guest from lockscreen or not.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate Add Users From Lock Screen Enabled on the device.
- **Disable** will deactivate Add Users From Lock Screen Enabled on the device.

Value

Enable

Automatically Lock

This setting is used to lock the device automatically with the defined time intervals.

Values

0, 5000, 15000, 30000, 60000, 120000, 300000, 600000 and 1800000 minutes.

Power Button Instantly Locks

This setting allows the user to lock the device instantly by pressing the power key.

Note: Set the value to 1 to lock the device.

Sound and Notification Settings

Haptic Feedback Enabled

This setting is used to enable vibration on the device when soft keys are pressed and on certain UI (User Interface) interactions.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Haptic Feedback on the device.
- **Disable** will deactivate the Haptic Feedback on the device.

Value

Enable

Alarm Volume

This setting enables the user to set the Alarm Volume on the device to a desired level.

You can type a desired value in the text box provided. The valid alarm volume ranges from 0 to 7.

Value

5

Music Volume

This setting enables the user to set the Music Playback Volume on the device to a desired level. The valid alarm volume ranges from 0 to 7.

You can type a desired value in the text box provided.

Value

5

Ring Volume

This setting enables the user to set the Ring Volume on the device to a desired level. The valid alarm volume ranges from 0 to 7.

You can type a desired value in the text box provided.

Value

5

Vibrate When Ringing

This setting controls the vibration option on the device during an incoming call.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Vibrate When Ringing option on the device.
- **Disable** will deactivate the Vibrate When Ringing option on the device.

Value

Enable

Notification Sound

This setting is used to set the Notification Sound on the device.

The system supports the Notification sound in two formats:

- Format 1 starts with **"content://"** which indicates system-wide default sound.
- Format 2 starts with **"file://"** which indicates audio file from storage area.

Value

For example:
1. content://media/internal/audio/media/96
2. file://volume/audio/1.mp3

Ringtone Sound

This setting is used to set the Ringtone on the device.

The system supports the Ringtone in two formats:

- Format 1 starts with **"content://"** which indicates system-wide default sound.
- Format 2 starts with **"file://"** which indicates that audio file from storage area.

Value

For example:
1. content://media/internal/audio/media/174
2. file://volume/audio/12.mp3

DTMF Tone Enabled

This setting is used to turn on the sounds for dial pad on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the DTMF Tone on the device.
- **Disable** will deactivate the DTMF Tone on the device.

Value

Enable

Sound Effects Enabled

This setting is used to turn on the sounds for screen selections on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Sound Effects on the device.
- **Disable** will deactivate the Sound Effects on the device.

Value

Enable

Lockscreen Sounds Enabled

This setting is used to turn on the sound for screen lock on the device.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Lockscreen Sounds on the device.
- **Disable** will deactivate the Lockscreen Sounds on the device.

Value

Enable

Charging Sounds Enabled

This setting enables the sound notification when the device is plugged for charging.

Select a desired option to be configured to the device from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Charging Sounds on the device.
- **Disable** will deactivate the Charging Sounds on the device.

Value

Enable

Accessibility

Accessibility Display Magnification Enabled

This setting is used to enable or disable Accessibility Display Magnification on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Accessibility Display Magnification on the device.
- **Disable** will deactivate the Accessibility Display Magnification on the device.

Value

Enable

High Text Contrast Enabled

This setting enables or disables whether to draw text with high contrast while in accessibility mode.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the High Text Contrast on the device.
- **Disable** will deactivate the High Text Contrast on the device.

Value

Enable

In-Call Power Button Behavior

This setting controls the behavior of the power button while on call and the screen is on. Pressing the power button while on call will end the call.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the In-Call Power Button Behavior on the device.
- **Disable** will deactivate the In-Call Power Button Behavior on the device.

Value

Enable

Long Press Timeout

This setting provides options to increase or decrease the time duration for a touch on the screen to register as a touch and hold action.

Select a desired option from the drop-down list box provided.

The setting has two options:

- Short
- Medium
- Long

Value

Short

Accessibility Display Inversion Enabled

This setting is used to enable or disable Accessibility Display Inversion on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Accessibility Display Inversion on the device.
- **Disable** will deactivate the Accessibility Display Inversion on the device.

Value

Enable

Accessibilty Captioning

This feature provides option whether to enable Caption (Timed text) on video content or not.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Accessibility Captioning on the device.
- **Disable** will deactivate the Accessibility Captioning on the device.

Value

Enable

Accessibility Captioning Locale

This setting is used to select a valid input for Caption Locale on the device.

Select a desired option from the drop-down list box provided.

Value

Bodo (India)

Accessibility Captioning Font Scale

This setting is used to select valid input for Accessibility Captioning Font Scale on the device.

Select a desired option from the drop-down list box provided.

The setting has five options:

- **0.25**
- **0.5**
- **1**
- **1.5**
- **2**

Value

0.25

Accessibility Display Daltonizer

Accessibilty Display Daltonizer is a color correction setting which is used to modify color space adjustment on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Accessibility Display Daltonizer on the device.
- **Disable** will deactivate the Accessibility Display Daltonizer on the device.

Value

Enable

Accounts

Data Auto-Sync

Data Auto-Sync enables to synchronize app data across multiple devices automatically. In other words, you open an app in one device and pick up exactly where you left on another.

This setting is used to enable or disable Data Auto-Sync on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Data Auto-Sync on the device.
- **Disable** will deactivate the Data Auto-Sync on the device.

Value

Enable

Battery

Battery Upper Limit

Note: This setting is applicable only for Android version 8 (EDA71).

This setting is used to provide the value of Upper Limit for Battery on the device as a percentage. You can type a desired value in the text box provided.

When you charge your device, as soon as battery actually reaches the Upper Limit %, it will show 100% in the view.

Value

100

Battery Lower Limit

Note: This setting is applicable only for Android version 8 (EDA71).

This setting is used to provide the value of Lower Limit for Battery on the device as a percentage. You can type a desired value in the text box provided.

When you remove device from the charge, the battery percentage will be according to the lower limit and upper limit as per this formula:

If (A >= UL) R = 100 % else if (A <= LL) R = A else R = (100-LL) * (A-LL) / (UL-LL) + LL

where ,

A – Actual battery

UL – Upper Limit

LL – Lower Limit

Value

10

Show Battery Percentage

This setting displays the amount of battery percentage on the device.

Value

0

Battery Saver Enable

This setting is used to enable or disable the battery save mode on the device.

Value

0

Low Power Trigger Level

This setting is used to enable the low power mode automatically when the battery is low on the device.

Sensors

Keep Device Awake on Motion Detection

This setting enables to keep the display of the device ON when motion is detected.

Select a desired option from the drop-down list box provided.

Note: This setting is not applicable for VM1A.

The setting has two options:

- **Yes** will enable the Keep Device Awake on Motion Detection option on the device.
- **No** will disable the Keep Device Awake on Motion Detection option on the device.

Value

Yes

Wake Device Up on Motion Detection

This setting enables to wake up when any motion on the device is detected.

Note: This setting is not applicable for VM1A.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Yes** will enable the Wake Device Up on Motion Detection option on the device.
- **No** will disable the Wake Device Up on Motion Detection option on the device.

Value

       Yes

Suspend Device When Face Down

       This setting turns the screen off automatically when you put the device into your pocket or onto a table. The feature helps to improve battery life by turning off the display when not in use.

Note: This setting is not applicable for VM1A.

       Select a desired option from the drop-down list box provided.

       The setting has two options:

- **Yes** will enable the Suspend Device When Face Down option on the device.
- **No** will disable the Suspend Device When Face Down option on the device.

Value

       Yes

Developer Settings

Bluetooth HCI Log

       This setting enables Bluetooth HCI snoop log configuration on the device.

       Select a desired option from the drop-down list box provided.

       The setting has two options:

- **Enable** will activate the Bluetooth HCI Log option on the device.
- **Disable** will deactivate the Bluetooth HCI Log option on the device.

Value

       Enable

Enable Bug Report

This setting allows the user to enable or disable bug reporter service on the device.

Note: This setting is not applicable for VM1A.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Bug Report option on the device.
- **Disable** will deactivate the Bug Report option on the device.

Value

Enable

Enable View Attributes

This setting controls whether views are allowed to save their attribute data or not.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Yes** will enable the Enable View Attributes option on the device.
- **No** will disable the Enable View Attributes option on the device.

Value

Yes

Show Pointer Location

This setting controls whether to show pointer locations onscreen or not.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Yes** will enable the Show Pointer Location option on the device.
- **No** will disable the Show Pointer Location option on the device.

Value

Yes

USB Audio Automatic Routing Disabled

This setting allows the user to set whether automatic routing of system audio to USB audio peripheral should be disabled or not.Select a desired option from the drop-down list box provided.

The setting has two options:

- **Yes** will enable the Anonymous Identity setting on the device.
- **No** will disable the Anonymous Identity setting on the device.

Value

Yes

Enable All ANR Visibility

This setting enables the device to show all invisible Application Not Responding (ANRs) running in the background in a dialog box.

Select a desired option from the drop-down list box provided.

- **Enable** will activate the Enable All ANR Visibility feature on the device.
- **Disable** will deactivate the Enable All ANR Visibility feature on the device.

Value

Enable

Keep Mobile Data Always Active

Note: This setting is not applicable for Android version 8.

This setting is used to set whether to keep cellular data always active or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Yes** will enable the Keep Mobile Data Always Active option on the device.
- **No** will disable the Keep Mobile Data Always Active option on the device.

Value

Yes

Boot From Charger Mode

Note: This setting is not applicable for Android versions 8 and 9.

This setting is used to set whether to enable boot from charger mode or not on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Boot From Charger Mode on the device.
- **Disable** will deactivate the Boot From Charger Mode on the device.

Value

Disable

Enable ADB

This setting is used to control your device over USB from a computer, copy files back and forth, install and uninstall apps, run shell commands and more.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Enable** will activate the Enable ADB on the device.
- **Disable** will deactivate the Enable ADB on the device.

Value

Enable

Stay on while Plugged In

This setting allows the user to keep the device on while the device is plugged in.

- 0 = Never
- 1 = Battery_Plugged_AC
- 2 = Battery_Plugged_USB
- 3 = Battery_Plugged_AC+USB
- 4 = Battery_Plugged_Wireless
- 5 = Battery_Plugged_AC+Wireless
- 6 = Battery_Plugged_USB+Wireless
- 7 = Battery_Plugged_AC+USB+Wireless

Value

0

Show Touches

This setting is used to show touch positions on the screen of the device.

- 0 = No
- 1 = Yes

Value

0

SYSTEM UPDATE SETTINGS

OS Update Package URL

Specify a URL with a specific OS firmware update package to download and install. The OTA (Over-The-Air) package filename in the URL must be the same as that provided by Honeywell and cannot be changed.

Value

URL Protocols supported - File, HTTP, HTTPS, FTP and SFTP.

Enable OS Downgrade with Enterprise Reset

This setting will allow or disallow the system firmware downgrades on the device.

Select a desired option from the drop-down list box provided.

The setting has two options:

- **Yes** will allow the system firmware downgrades on the device.
- **No** will disallow the system firmware downgrades on the device.

Note: On some devices, the downgrade operation will also perform a enterprise reset (user storage will be wiped) [Requires FW: 86.xx.13+].

Value

Yes

DATA COLLECTION SETTINGS

Data Processing Settings

Data Editing Plugin

Data Editing Plugin

Data Editing Plugin specifies the plugin to manipulate the bar code data.

The data editing plug-in interface will display a list of plug-ins (broadcast receivers with EDIT_DATA action) that are installed on the device.

Data Collection Service will obtain all these plugins by querying for receivers that can handle "com.honeywell.decode.intent.action.EDIT_DATA" intent.

Value

None

A "None" plugin can be selected in case user requires no plugin.

Editing Settings

This setting will navigate the user to the Edit Settings activity in the plugin.

Value

None

Data Collection Service will check if there exists an activity in the selected plugin to edit the plugin settings.

If edit settings activity is present, then the "Edit Settings" preference is enabled on the device otherwise this option will be disabled.

Data Intent

Action

Action is a string that specifies the generic action to perform.The action determines how the rest of the intent is structured—particularly the information that is contained in the data and extras.

Value

ACTION_VIEW = "com.example.action.view"

You should use this in an intent when you have some data to view through another app, such as a photo to view in a gallery app, or an address to view in a map app.

Category

Category is a string containing additional information about the kind of component that should handle the intent. Any number of category descriptions can be placed in an intent, but most intents do not require a category.

Value

CATEGORY_LAUNCHER

Class Name

This setting allows the user to provide a class name on the device.

Enter the Class Name in the text box provided.

Value

Democlass

Data Intent

The Barcode Data Intent enables the reception and processing of barcode data without using an SDK or library.

To enable or disable the Data Intent settings, select a desired option from the drop-down list box provided.

The setting has two options:

• **True** will activate the Data Intent Settings on the device.

• **False** will deactivate the Data Intent Settings on the device.

Value

False

Package Name

This setting allows the user to provide a package name on the device.

Value

org.example.demo

Charset

Charset controls the Character Set that is supported to interpret bar code binary data on the device.

The user is allowed to select a desired charset from the available list on the device.

Value

ISO-8859-1

Launch Browser

This setting enables the device to launch a browser when barcode data begins with http:// or https://.

If the bar code starts with http:// or https:// , the browser opens using the bar code data as a URL.

To enable or disable the Launch Browser setting on the device, select a desired option from the drop-down list box.

The setting has two options:

• **True** will activate the Launch Browser setting on the device.

• **False** will deactivate the Launch Browser setting on the device.

Value

True

Launch EZConfig

This setting allows the user to enable or disable special handling of EZConfig barcodes.

This setting applies to EZConfig barcodes that are encoded with the Aztec symbology and contain specific header data.

To enable or disable Launch EZConfig on the device, select a desired option from the drop-down list box.

The setting has two options:

• **True** will activate Launch EZConfig on the device.

• **False** will deactivate Launch EZConfig on the device.

Value

True

Prefix

This setting allows the user to set the Prefix, which is the text that is prepended to the barcode data.

The user is allowed to set a desired value for prefix which is added to the scanned barcode data automatically.

Value

Examples : \n, \t.

For instance the barcode data scanned by the device is 1DANA#%12 and the prefix set on the device is \n, then the final data that appears in the edit box will be the combination of the prefix and the Scanned data. i.e. \n1DANA#%12.

Scan to Intent

This setting enables the device to launch an app specified by a barcode when data begins with //.

To enable or disable Scan to Intent setting on the device, select a desired option from the drop-down list box.

The setting has two options:

• **True** will activate the Scan to Intent setting on the device.

• **False** will deactivate the Scan to Intent setting on the device.

Value

True

Suffix

This setting allows the user to set the Suffix, which is the text that is appended to the barcode data.

Value

Examples : \n, \t.

For instance the barcode data scanned by the device is 1DANA#%12 and the suffix set on the device is \n, then the final data that appears in the edit box will be the combination of the suffix and the Scanned data. i.e. 1DANA#%12\n.

Symbology Prefix

This setting determines the symbology identifier to be used if any prefix needs to be added to the barcode data.

Select the setting to be configured to the device from the drop-down list box.

The setting has three options:

- **None**
- **Honeywell**
- **AIM**

Value

None

Wedge

This setting allows the user to enable or disable the wedge option in the data processing settings.

To enable or disable the Wedge Setting on the device, select a desired option from the drop-down list box.

The setting has two options:

• **True** will activate the Wedge setting on the device.

• **False** will deactivate the Wedge setting on the device.

Value

True

Decode Settings

Center Decode

Center decode setting enables bias decoding to the center window on the device.

This setting is useful in situations where several barcodes may be very close together in the imager field-of-view.

Value

50

This value defines the "center" area of the bar code.

Window Bottom

This setting allows the user to set the Window Bottom value on the device to a desired level. The Window Bottom value ranges from 0 to 100.

You can type a desired Window Bottom value within the range in the text box provided.

Value

50

Window Left

This setting allows the user to set the Window Left value on the device to a desired level. The Window Left value ranges from 0 to 100.

You can type a desired Window Left value within the range in the text box provided.

Value

50

Window Right

This setting allows the user to set the Window Right value on the device to a desired level. The Window Right value ranges from 0 to 100.

You can type a desired Window Right value within the range in the text box provided.

Value

50

Window Top

This setting allows the user to set the Window Top value on the device to a desired level. The Window Top value ranges from 0 to 100.

You can type a desired Window Top value within the range in the text box provided.

Value

50

Decode Security

This setting controls the reading tolerance of the decoder. Lower setting values will be more lenient when reading low quality barcodes while higher values will be stricter.

You can type a desired Decode Security value within the range in the text box provided.

Value

2

Decode Set

This setting allows the user to adjust the decode set properties on the device.

Select the value to be configured to the device from the drop-down list box provided.

Value

None

DPM Mode

This setting specifies whether DPM decoding is enabled during the execution of decode.

Select the DPM mode to be configured to the device from the drop-down list box.

The setting has three options:

- **No DPM Optimization**
- **Dotpeen DPM decoding**
- **Reflective DPM decoding**

Value

No DPM optimization

Region of Interest

This setting allows the user to set the Region of Interest (ROI) that is processed by the decoder.

Select the Region of Interest to be set for decoding.

The setting has five options:

- **Disable** ROI is disabled and the entire original image is sent to the decoder.

- **Standard** Use the aimer position to weight activity. Activity calculated on the row and the column in the middle of each cell. The ROI window may not include the aimer.

- **Standard, aimer centered** Activity calculated on the row and the column in the middle of each cell. The ROI window will always include the aimer.

- **DPM, aimer centered** Activity calculated on 4 rows and 2 columns in each cell. The ROI window will always include the aimer.

- **Kiosk/Presentation application** Ignore aimer positon, no weight activity. Activity calculated on the row and the column in the middle of each cell. The ROI window may not include the aimer.

Value

Disable

Video Mode

Video Mode specifies whether normal or inverse decoding for linear symbologies is enabled during the execution of decode.

Select the Video Mode to be configured to the device from the drop-down list box.

The setting has three options:

- **Normal**
- **Inverse**
- **Normal and Inverse**

Value

Normal

Imager Settings

Exposure Mode

This setting configures the device to automatically update exposure to improve image quality.

Select the desired exposure mode to be configured to the device using the drop-down list box.

Value

Context Sensitive Exposure

Exposure (μs)

This setting determines the exposure time in microseconds when fixed exposure setting is being enabled on the device.

Select an exposure time value to be configured to the device using the up and down arrows inside the spin box provided or the user can also type a valid value within the range.

Value

4800

Gain

This setting determines the sensitivity of image sensor when fixed exposure is enabled on the device.

Select a gain value to be configured to the device using the up and down arrows inside the spin box provided or the user can also type a valid value within the range.

Value

1024

Illumination Intensity

This setting allows the user to set intensity of imager light on the device.

You can type a desired Illumination Intensity value within the range in the text box provided.

Value

100

Maximum Exposure Time (µs)

This setting determines the Maximum Exposure time in microseconds when automatic exposure is enabled on the device.

You can type a desired Maximum Exposure Time in the text box provided.

Value

60000

Maximum Gain

This setting determines the maximum sensitivity of image sensor when automatic exposure is enabled.

You can type a desired Maximum Gain value within the range in the text box provided.

Value

1024

Override Recommended Values

This setting allows the user to set custom image on the device.

To enable or disable the Override Recommended Values setting on the device, select a desired option from the drop-down list box.

The setting has two options:

• **True** will activate the Override Recommended Values setting on the device.

• **False** will deactivate the Override Recommended Values setting on the device.

Value

False

Rejection Limit

This setting determines the maximum number of images to ignore because of unacceptable exposure result. The valid value ranges from 0 to 100.

You can type a desired Rejection Limit value within the range in the text box provided.

Value

5

Sampling Method

This setting defines how image quality is determined by software controlled exposure modes.

To adjust the Sampling Method on the device, select the desired sampling method to be configured using the drop-down list box provided.

Value

Center Weighted Sampling

Target Acceptable Offset

This setting determines the acceptable difference from target calculated value of image during automated exposure control. The valid value ranges from 0 to 255.

You can type a desired Target Acceptable Offset value within the range in the text box provided.

Value

40

Target Percentile

This setting determines the target percentile of target value for the automatic exposure mode on the device. The valid value ranges from 0 to 100.

You can type a desired Target Percentile value within the range in the text box provided.

Value

97

Target Value

This setting determines the target calculated value of image during automated exposure control. The valid value ranges from 0 to 255.

You can type a desired Target value within the range in the text box provided.

Value

100

Notification Settings

Bad Read Notification

This setting allows the user to enable or disable bad read notification on the device.

The bad read notification consists of a red blink of the Scan Status LED, an error beep, and an optional short vibration.

To enable or disable the Bad Read Notification setting on the device, select a desired option from the drop-down list box.

The setting has two options:

• **True** will activate the Bad Read Notification setting on the device.

• **False** will deactivate the Bad Read Notification setting on the device.

Value

False

Good Read Notification

This setting allows the user to enable or disable good read notification on the device.

The good read notification consists of a green blink of the Scan Status LED, a short beep, and an optional short vibration.

To enable or disable the Good Read Notification setting on the device, select a desired option from the drop-down list box.

The setting has two options:

• **True** will activate the Good Read Notification setting on the device.

• **False** will deactivate the Good Read Notification setting on the device.

Value

True

Vibrate on Notification

This setting allows the user to enable or disable vibration on the device when there is a good or bad read notification.

To enable or disable the Vibrate on Notification setting on the device, select a desired option from the drop-down list box.

The setting has two options:

• **True** will activate the Vibrate on Notification setting on the device.

• **False** will deactivate the Vibrate on Notification setting on the device.

Value

False

Trigger Settings

Same Symbol Timeout

Enable Same Symbol Timeout

This setting allows the scanner to reread the same barcode after a time interval during continuous scanning.

To enable or disable the Same Symbol Timeout setting on the device, select a desired option from the drop-down list box.

The setting has two options:

• **True** will activate the Same Symbol Timeout setting on the device.

• **False** will deactivate the Same Symbol Timeout setting on the device.

Value

False

Same Symbol Timeout

This setting allows the user to set the time period in seconds before the scanner can reread the same barcode in continuous trigger scan mode.

This can be adjusted to prevent inadvertent scans of the same barcode if the code is left in the scan field longer than the Decode Timout limit.

You can type a desired Same Symbol Timeout value within the range in the text box provided.

Value

1000 seconds

Decode Timeout

This setting allows the user to set the timeout value in seconds after which the scanner automatically turns off if the scan button is pressed and nothing has successfully decoded.

You can type a desired Decode Timeout value within the range in the text box provided.

Value

20 seconds

Enable Scan Trigger

This setting allows the user to enable or disable activating the imager by pressing the side scan buttons or the virtual scan button in the Scan Demo app.

To enable or disable the Scan Trigger setting on the device, select a desired option from the drop-down list box.

The setting has two options:

• **True** will activate the Scan Trigger setting on the device.

• **False** will deactivate the Scan Trigger setting on the device.

Value

True

Scan Delay

This setting allows the user to set the minimum amount of time in seconds before the scanner can read another bar code.

You can type a desired Scan Delay value within the range in the text box provided.

Value

0

Trigger Scan Mode

This setting allows the user to set the trigger scan mode to allow continuous or normal scanning.

To adjust the Trigger Scan Mode on the device, select a desired option from the drop-down list box.

The setting has four options:

- **One shot**
- **Continuous**
- **Read on release**
- **Read on second trigger press**

Value

One Shot

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