



# Release Notes

## Honeywell Development Kit 1.13.4

February 23 2024

### Verifying Download Files

The release files for Honeywell Development Kit (DevKit) 1.13.4 are zip files signed with a certificate. This allows a user to verify the files they download have not been modified. After downloading the files, use the process below to verify authenticity before unzipping the files.

1. Java JDK (version 1.8 or newer) must be installed.
2. Execute the jarsigner executable against the file to verify. Example:  
`jarsigner -verify Honeywell-DevKit-1.13.4-signed.zip`

### Code Changes

Changes to code, including breaking API changes, can be found in the CHANGELOG.md file in the devkit directory, included in the DevKit zip file.

### New Features in Honeywell DevKit

#### Updated Licensing Options

The licensing choices now include:

- **Enterprise Voice** (formerly labeled **Microservices**) - The device connects to Enterprise Voice for licensing.
- **VoiceConsole on Prem** (formerly labeled **VoiceConsole**) - The device connects to VoiceConsole 5.x for licensing.
- **VoiceConsole Cloud** - The device connects to VoiceConsole Cloud 6.1 or greater for licensing.

The above choices can be selected in the mobile application. To set the new VoiceConsole Cloud license type in OnetimeStartupSettings.config in the ApplicationConfig repository, set ApplicationSchemeChoice to VoiceConsoleCloudBased.

New resource keys are available in the resx files to localize text while connecting to VoiceConsole on Prem and VoiceConsole Cloud

- VoiceConsoleBased
- VoiceConsoleBased\_Info

- VoiceConsoleCloudBased
- VoiceConsoleCloudBased\_Info

## Workflow Support for VoiceConsole

The Simplified pattern contains logic that communicates with VoiceConsole. This logic was not present in the state machines before the Simplified pattern. Therefore workflow support for VoiceConsole depends on how the app was developed.

Workflows based on the Simplified pattern support VoiceConsole. These include:

- VoiceLink
- SimpleApp
- OrderPicking
- BasePicking

Workflows derived from the Simplified pattern can be updated to use VoiceConsole, see

- devkit\SimpleAppModule\SimpleAppModule.cs for an example of how to change the simplified pattern state machine to support Voice Console, and
- devkit\SimpleAppGWRRunnerModule\Resources\SimpleApp\_configuration.json to inform DevKit that the workflow permits selecting VoiceConsole.

If Workflows do not support the Simplified pattern, those users are recommended to consider migrating to a Honeywell maintained subscription solution such as Guided Work Solutions Professional or Honeywell Voice for Manhattan Active. Alternatively contact Honeywell Professional Services to assist with DevKit updates to support VoiceConsole.

## Issues Fixed in this Release

Issue Description	Issue ID
<p><b>VAD Files not Publishing</b></p> <p>When using Visual Studio 2022 17.8.x, errors such as "CSC : error CS2045: /embed switch is only supported when emitting a PDB." prevent the VAD from publishing. Items in .csproj files like "&lt;DebugType&gt;&lt;/DebugType&gt;" for Release builds should be removed from any project that is included in a VAD file project to avoid the issue</p>	<p>VOSMB-9203</p>
<p><b>Operator ID Lost</b></p> <p>Turning an A700x off and on could result in the Operator ID being lost and 'None'</p> <div data-bbox="113 1759 1219 1869" style="border: 1px solid blue; padding: 5px;"> <p><b>NOTE</b> This fix was first included in DevKit 1.13.3.</p> </div>	<p>VGWSC-674</p>

# System Requirements

The following devices and software were tested for this release of DevKit.

## Minimum Android Device Specifications

- **Processor:** Qualcomm Snapdragon 410 MSM8916 1.2 GHz quad-core
- **Memory:** 2GB RAM
- **Storage:** 8GB/16GB Flash
- **WLAN:** IEEE 802.11 a/b/g/n radio
- **Bluetooth:** Bluetooth Class 4.0, Bluetooth HFP (Hands-Free Profile) version 1.6
- **Operating System:** Android N (7.0)

The above are the minimum recommended device specifications. If the device does not meet or exceed these specifications, the following symptoms may occur:

- Poor audio quality
- Slow application screen responsiveness
- Delayed input entry

# Hardware

The following devices were tested for this release.

## Honeywell Devices

- Honeywell CT30 XP
- Honeywell CT40
- Honeywell CT40 XP
- Honeywell CT45
- Honeywell CT60
- Honeywell CT60 XP
- Honeywell CN80
- Honeywell CN80G
- Honeywell CK65
- Honeywell CW45
- Honeywell ScanPal EDA51
- Honeywell ScanPal EDA71
- Honeywell A700x

## Third-Party Devices

- Zebra WT6000
- Zebra TC5x
- Zebra TC7x

## Headsets

- Honeywell SRX-SL Light Industrial Use Headset
- Honeywell SRX2 Wireless Headset (with Hands-Free Profile support)
- Honeywell SRX3 Wireless Headset

## Scanners

- Honeywell CT30 XP On-board Scanner
- Honeywell CT40 On-board Scanner
- Honeywell CT40 XP On-board Scanner
- Honeywell CT45 On-board Scanner
- Honeywell CT60 On-board Scanner
- Honeywell CT60 XP On-board Scanner
- Honeywell CN80 On-board Scanner
- Honeywell CN80G On-board Scanner
- Honeywell CK65 On-board Scanner
- Honeywell CW45 On-board Scanner
- Honeywell EDA51 On-board Scanner
- Honeywell EDA71 On-board Scanner
- Honeywell A730x On-board Scanner
- Honeywell 8670 Ring Scanner

## Android Device Operating System Support

- Android N (7.1.1)
  - Honeywell CT40
  - Honeywell CT60
- Android O (8.1.0)
  - Honeywell CT40
  - Honeywell CT60
  - Honeywell CK65
  - Honeywell ScanPal EDA51
  - Honeywell ScanPal EDA71
- Android P (9)
  - Honeywell CT40
  - Honeywell CT40 XP
  - Honeywell CT60
  - Honeywell CT60 XP
  - Honeywell CK65
- Android 10
  - Honeywell CT40
  - Honeywell CT40XP
  - Honeywell CT60
  - Honeywell CT60XP
  - Honeywell CK65
- Android 11
  - Honeywell CT30 XP
  - Honeywell CT40
  - Honeywell CT40XP
  - Honeywell CT45
  - Honeywell CT60
  - Honeywell CT60XP
  - Honeywell CK65
- Android 12
  - Honeywell CW45

## Honeywell A700x Software Support

- VoiceCatalyst 4.4 or greater

### NOTE

Honeywell A700 series and A500 devices are not supported.

## Management Server Support

- VoiceConsole 5.5 or greater for A700x
- VoiceConsole 6.1 or greater for Android device support

# General Considerations and Limitations

Issue Description	Issue ID
<b>VoiceConsole Cloud Logging</b> An Android device does not perform real time logging with VoiceConsole Cloud in the same way an A700x does. Logging is only triggered by the "Report Problem" function on an Android device..	VOSMB-9768

## Previously Reported Limitations

Issue Description	Issue ID
<b>Hints</b> Hints/response instructions are expected to work reliably for digits and alphabetic characters on Android and iOS. Other vocabulary words are not expected to work as part of hints.	VOSMB-8168
<b>Scanning Data Can Override Priority Prompts</b> Priority prompts can be overridden by scanning data at a screen where scanning is a valid input.	VOSMB-1415
<b>Voice Dialogue Continues to Run During Background Activity</b> When waiting for background spinner activity to complete, speech recognition may allow the operator to use some menu items through voice, e.g., Say Again and Help.	VOSMB-1406
<b>Do Not Press + and - Buttons on SRX3 Headset to Unpair</b> When unpairing your SRX3 headset from an Android device, do not press the + and - buttons simultaneously. This procedure causes known issues with TTS and speech recognition. <b>Proper Procedure:</b> To unpair your SRX3 headset from an Android device, go to your device Bluetooth settings, display the Paired devices screen, select the headset, and tap FORGET to unpair the headset and the Android device.	VOSMB-1448

Issue Description	Issue ID
<p><b>Pressing Power Button on SRX-SL or SRX2 Headset Causes Unpairing</b></p> <p>If you press the Power button on your SRX-SL or SRX2 headset, the headset unpairs from the device.</p> <p><b>Workaround:</b> Power off the headset and re-pair your device and headset.</p>	<p>VOSMB-1252</p>
<p><b>"GatewayTimeout" error message from Microservices</b></p> <p>If the mobile application has trouble reaching the Microservices host ("GatewayTimeout") while attempting to retrieve templates it may force the user to retrain all words for that workflow.</p> <p><b>Workaround:</b> If you experience this behavior close and restart the app and log in again</p>	<p>VOSMB-971</p>
<p><b>Do Not Press Next Button Quickly</b></p> <p>If you have untrained words and get to the template training instructions screen, if you tap the Next button in rapid succession, it can cause the application to shut down unexpectedly.</p>	<p>VOSMB-230</p>
<p><b>Audio to the Bluetooth Headset Can Fail</b></p> <p>In some situations, the audio no longer comes through a Bluetooth headset even though it is still paired to the device.</p> <p><b>Workaround:</b> Unpair and re-pair the headset.</p>	<p>VOSMB-28</p>
<p><b>Errors while Transmitting Files to VoiceConsole</b></p> <p>A number of errors may appear in the device logs when transmitting logs to VoiceConsole. In spite of these errors, all log files are eventually transmitted successfully.</p>	<p>VOSMB-570</p>
<p><b>State Machine Recommendation</b></p> <p>Do not create a state machine where the first state goes directly into a secondary state machine and sets the next trigger for return. The app becomes unresponsive when returning from the secondary state machine and the second state never runs.</p>	<p>VOSMB-465</p>