Honeywell

Honeywell Development Kit 1.5 Release Notes

4/18/2022

Verifying Download Files

The release files for Honeywell Development Kit (DevKit) 1.5 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-1.5-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

Natural Numbers

Support for natural numbers is added. Natural number support allows a number like 235 to be spoken as "two hundred thirty five" or "two hundred and thirty five" instead of just "two three five".

Synonyms

Synonyms (also known as flexible vocabulary) provides the ability to configure the use of multiple voice templates during a workflow. An example would be using synonyms to allow for "yes" or "okay" to be added as synonyms for "ready".

Landscape Mode for Tablets

Landscape mode is available for devices that are identified as tablets.

Custom Response Handlers

Use REST or TCP communication to provide customized response handlers.

Startup Settings

Documentation for startup settings has been expanded.

Device Support

- Android 10
  - CT40
  - CT40 XP
  - CT60
  - CT60 XP
  - CK65
- Android 11
  - CT40
  - CT40 XP
  - CT45
  - CT60
  - CT60 XP
  - CK65

Devices running Android M (6.x) are no longer supported. The Honeywell CT50 is no longer supported.

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:** EEE 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.

Devices

- Honeywell CT40
- Honeywell CT40 XP
- Honeywell CT45
- Honeywell CT60
- Honeywell CT60 XP
- Honeywell CN80
- Honeywell CN80G
- Honeywell CK65
- 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 firmware 4.05)
- Honeywell SRX3 Wireless Headset (with firmware 6.07)

> **NOTE**
> SRX3 firmware 6.07 or greater is required to support the headset's flip-to-mute feature. Earlier versions of firmware are supported, however flipping the microphone up places the device in standby rather than muting the microphone. Upgrade the headset firmware using the Honeywell Accessory Update Utility.

Scanners

- Honeywell CT40 On-board Scanner
- Honeywell CT40 XP On-board Scanner
- Honeywell CT45 On-board Scanner
- Honeywell CT60 On-board Scanner
- Honeywell CT60 XP
- Honeywell CN80
- Honeywell CN80G
- Honeywell CK65
- Honeywell EDA51 On-board Scanner
- Honeywell EDA71 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 CT40
  - Honeywell CT40XP
  - Honeywell CT45
  - Honeywell CT60
  - Honeywell CT60XP
  - Honeywell CK65

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

Issues Fixed and Included in This Release

The following issues reported in earlier versions were fixed in this version.

Issue Description	Issue ID
Exception for non-specific language codes Non-specific language codes (such as "en" instead of "en-US") were allowed but could cause an exception.	VOSMB-3075

Issue Description	Issue ID
Workaround: A provision has been added to map non-specific language codes to region-specific language codes.	
Alpha Characters in Response Expression Hints Using alpha characters in response expression hints can cause issues with the dialogue.	VOSMB-1996
Number of Templates Trained Greater than Expected If you place a device in Standby mode while training templates, as you near the end of training, the total number of templates trained will be greater than the number to be trained. For example, the text on the screen may show 126 of 125.	VOSMB-563

General Considerations and Limitations

Issue Description	Issue ID
When using the Visual Studio extension to create a project and Legacy Server (TCP) is seleted for the workflow filter, the secure connection flag still shows, however the PropChangeManager for TCP does not actually handle secure TCP connections (i.e. SSL).	VOSMB-3742

Previously Reported Limitations

Issue Description	Issue ID
Scanning Data Can Override Priority Prompts Priority prompts can be overridden by scanning data at a screen where scanning is a valid input.	VOSMB-1415
Voice Dialogue Continues to Run During Background Activity 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
Unable to Exit Error Screen with VoiceLink Entering an invalid host address can cause an indefinite processing (spinner icon) state, with VoiceLink. **Workaround**: Close the Guided Work Application and enter a valid host address	VOSMB-1353

Issue Description	Issue ID
Do Not Press + and - Buttons on SRX3 Headset to Unpair When unpairing your SRX3 headset from an Android device, do not press the + and - buttons simultaneously. This procedure causes known issues with TTS and voice recognition. **Proper Procedure**: 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
Pressing Power Button on SRX-SL or SRX2 Headset Causes Unpairing If you press the Power button on your SRX-SL or SRX2 headset, the headset unpairs from the device. **Workaround**: Power off the headset and re-pair your device and headset.	VOSMB-1252
Application goes into landscape from Photo Intent Exiting the camera view in the photo intent while in landscape mode will cause the application to be in landscape mode, which is not supported and may cause issues. **Workaround**: Rotate the device to portrait mode before or after exiting the camera view.	VOSMB-992
"GatewayTimeout" error message from Microservices 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. **Workaround**: If you experience this behavior close and restart the app and log in again	VOSMB-971
Changing Site on Device Does Not Affect VoiceConsole If you have selected a VoiceConsole instance as the server on the mobile device and select one of the sites, the device will remain associated with that site even if you change sites again in the mobile application. To move a device to a different VoiceConsole site, move the device within VoiceConsole.	VOSMB-900
Do Not Press Next Button Quickly 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.	VOSMB-230
Audio to the Bluetooth Headset Can Fail In some situations, the audio no longer comes through a Bluetooth headset even though it is still paired to the device.	VOSMB-28

Issue Description	Issue ID
Workaround: Unpair and re-pair the headset.	
Errors while Transmitting Files to VoiceConsole 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.	**VOSMB-570**
Cannot Retrieve Templates If you create a user with the name of the point character (.) in the Microservices application scheme, any templates trained under that name will not be retrieved. Do not use . as a user name.	**VOSMB-567**
State Machine Recommendation 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 will become unresponsive when returning from the secondary state machine and the second state will never run.	**VOSMB-465**
Do Not Remove Device when in Debug When a device is attached via USB to a computer and the application is run through Visual Studio in debug mode, do not remove the device from the dock. If you do, the application may shut down.	**VOSMB-572**