Honeywell

Honeywell Development Kit 1.2 Release Notes

Verifying Download Files

The release files for DevKit and VoiceExtensions 1.2 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-1.2.0-signed.zip
```

New Features in Honeywell DevKit 1.2

Learning App Module

With the new LApp module you can see how a simple workflow state machine works with examples of DevKit intents.

Photo Capture Intent

A new intent was added to allow users to capture photos with the device's camera or select from the gallery.

Date Entry Intent

A new intent was added to allow a user to enter a date.

Prompt Only Intent

A new intent was added that speaks a prompt to the user and continues without input.

Multiple Selection Menu Items Intent

The menu items intent was modified to allow for selection of multiple items.

Long Entry Get Digits Intent

The get digits intent was modified to allow for long entries.

Image UI Element

A UI Element was added to allow images to be displayed on intent views.

Customizable Styling

Changes were made to allow for more customized styling of the application.

Progress Bar

Progress bar functionality has been added to the intents so that information on progress can be presented to the user.

VoiceLink Sample Workflow

Additional features were added to the VoiceLink Sample workflow, including:

- New Pass Assignment support
- New Multiple Pick Prompt support
- New Repeat Last Pick Support

Android Support

This release adds support for Android Oreo (8.1.0)

System Requirements

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

Minimum 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 M (6.0.1)

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 CT50
- Honeywell CT60
- Honeywell CK65
- Honeywell EDA50
- Honeywell EDA70

Headsets

- Honeywell SRX-SL version 5.13
- Honeywell SRX-2 (with hands-free profile support) version 4.05

Scanners

- Honeywell CT40 On-board Scanner
- Honeywell CT50 On-board Scanner
- Honeywell CT60 On-board Scanner
- Honeywell EDA50 On-board Scanner
- Honeywell EDA70 On-board Scanner
- Demo level for the Honeywell 8670 ring scanner

Languages

English

Firmware

- Android M (6.0.1)
  - CT50 - Internal Build number: 71.11.17(0285)
- Android N (7.1.1)
  - CT40 – Internal Build number: 84.00.12(0093)
  - CT60 – Internal Build number: 84.00.16(0135)
  - EDA50 – Internal Build number: 207.01.10.0010
  - EDA70 – Internal Build number: 209.01.10.0010
- Android O (8.1.0)
  - CT40 – Internal Build Number: 86.00.08(0074)
  - CT60 – Internal Build Number: 86.00.07(0068)
  - CK65 – Internal Build Number: 86.00.10(0089)

Issues Fixed and Included in This Release

The following issues reported in version 1.1 were fixed in this version.

Incorrect Message Text

If the device fails to contact any server and retrieve templates, the message shown will be "Error: Error retrieving templates from Connected Retail Server". Although you are not attempting to connect to the Connected Retail Server, the message does correctly indicate that you were unable to retrieve templates from the server.

VOSMB-559

Selecting No in Confirmation Still Accepts Data

If you are using the Retail workflow in Guided Work and you select **No** at a quantity picked confirmation prompt, the quantity is accepted and sent to the backend as if you had selected **Yes**.

VOSMB-743

Wait after Changing Languages

If you need to change from one language to another, wait 30 seconds before restarting the mobile app.

General Considerations and Limitations

Mobile Application Limitations

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

Capitalized words added to the workflow's ModuleVocab list directly will not be loaded as a trained template

Capitalized words added to the workflow's ModuleVocab list directly will not be loaded as a trained template. Instead the Bluestreak recognizer will attempt to create a Speaker Independent template for it.

Workaround: If adding trained words to the ModuleVocab.cs files they must start with a lowercase letter.

VOSMB-976

"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

Recognition Issues with Multiple Voice Applications

Recognition errors can occur when two or more voice apps are running at the same time (i.e.: Devkit, VoiceExtensions).

Workaround: Do not run two voice applications at the same time.

VOSMB-1083

Invalid Dates Accepted

When using the Nuance TTS, the user can speak a number outside the 1-12 valid range for months. The invalid value is accepted and the workflow continues.

Workaround: The Google TTS can be used instead as it does not allow the incorrect values.

VOSMB-1093

Nuance Speaker Independent Recognizer Issues

Due to limitations of the Speaker Independent recognition option, we recommend using the Speaker Dependent recognizer.

VOSMB-907

Previously Reported Limitations

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

Shut Down Application if Not Responsive

If you are using the mobile app with a VoiceLink implementation, the app may try multiple times to send data to VoiceLink when it should not. This can cause VoiceLink performance issues. If while using the app, it becomes unresponsive except for a spinner indicating background processing, shut down the app and restart it to prevent the app from trying to send data multiple times.

VOSMB-641

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

Restart After Changing Recognizer

If you switch between BlueStreak and the Android recognizer, restart the application. Otherwise, the application may exhibit some odd behavior.

VOSMB-103

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.

Workaround: Unpair and re-pair the headset.

VOSMB-28

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

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.

Workaround: Do not put the device in Standby mode while training templates.

VOSMB-563

DevKit Limitations

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

Welcome Screen Cannot be Branded

With this release, you are unable to change the Honeywell-branded welcome screen.

VOSMB-527

Previous Release Notes
Guided Work Solutions 1.1 Release Notes

Guided Work Solutions lets small to medium businesses voice-enable their workflows without expensive, purpose-built equipment.

New Features in Guided Work Solutions 1.1

Supported Integrations

- SAP Business One
- Microsoft Dynamics 365
- VoiceLink

Touch Pairing with Android Devices

You can now pair SRX2 headsets with both Talkman A700 and Android devices that support the ISO 15693 tag type. Note that you need to install headset firmware version 4.05 or later.

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VOSMB-559

Log Off Not Allowed

If you select or speak Log Off in a workflow that does not support it, a message will appear stating that this is not allowed. On occasion, however, selecting or speaking Log Off will cause the application to become unresponsive.

Workaround: Do not attempt to log off in a workflow that does not support it.

VOSMB-554

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VOSMB-626

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