

# Voice Log Analyzer

# **User Guide**

# Disclaimer

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# **Patents**

For patent information, please refer to www.hsmpats.com.

# TABLE OF CONTENTS

Chapter 1 - Introduction	1
Access Log Analyzer	1
Access Log Analyzer from VoiceConsole	2
Access Log Analyzer from Operational Intelligence	7
Organization	9
Application Buttons	9
Limitations	
Customer Support	
Chapter 2 - Log Analyzer Functions	13
Upload Device Log	
Log File Summary	14
Event List	
Survey Event List	
Roaming Event List	
Dialog Event List	
Transferred Data Event List	
Host Communications Event List	
Device Status Event List	
SRX Status Event List	
Dialog Filter	
Host Communications Filter	
Connection Establishment Graphs	

Data Transmission Graph	24
Total Host Communications Table	26
Connection Events List	26
Network Events	
Signal Quality Timeline Graph	27
Signal Quality Summary Table and Graph	
Signal Quality Summary per AP	
Roaming Timeline Graph	
Roaming List	29
Signal Strength	
Timeline graph	
Summary Table	
Summary per AP Table	31
Heap/Memory Usage	
RAM	
Flash Graph	32
About	

CHAPTER

# INTRODUCTION

The Honeywell Log Analyzer is an application that extracts and displays information from device logs. The logs are from supported devices listed below. The extracted data is visualized through graphs, tables, and lists for ease of understanding and interpreting results. The log analyzer uses an online graphical user interface (GUI) with user authentication.

The main functions are:

- Upload and save logs. These logs are uploaded and stored on the Honeywell Operational Intelligence servers.
- Generate PDF summaries for the customer's technical staff with information such as host communication data, signal strength, signal quality, etc.
- Filter data by values such as log name, date, AP, etc.
- Export data in Excel format.

Supported devices:

- Android devices running applications based on DevKit x.x or later, GWS Connector App recommended for highest level of compatibility
- A700x with VoiceCatalyst 4.3.1 or later
- A700 with VoiceCatalyst 2.3.1 or later
- A700 with VoiceClient 3.8.3 or later

### **Access Log Analyzer**

There are two methods of accessing the Log Analyzer.

- Access Log Analyzer from VoiceConsole This method must be used if you do not have Operational Intelligence tenant access.
- Access Log Analyzer from Operational Intelligence This method can be used if you have Operational Intelligence tenant access.

#### NOTE

Operational Intelligence tenant access means the email you are using to access the Log Analyzer is associated with an organization within Operational Intelligence.

### Access Log Analyzer from VoiceConsole

- 1. Open VoiceConsole.
- 2. Access the Log Analyzer from within VoiceConsole by selecting **Device Management > Device Logs > Log Analyzer**.



3. Login with your email address.



- 4. If you are an existing user, you are directed to the sign on page and then the Operation Intelligence home page. Otherwise you must register.
  - a. The following screen is displayed if you are not a registered user.



Invalid Username / Email

#### **CREATE AN ACCOUNT**

b. Click Create an Account.

### Account Registration

Enter the details to create your Honeywell ID.

First Name
Last Nama
Last Name
Email
Descurred Q
0
Confirm Password
0
Lagree and consent to Honeywell's Terms & Conditions
ragice and consent to <u>rising were remined constitutions</u>
I have read and understood Honeywell's Privacy
Statement
SEND VALIDATION CODE

c. Click Send Validation Code.

# Validation Code Sent

You have successfully sent your validation code to your email address. This code is only valid for 15 minutes.





d. Click **OK** to dismiss. When the validation code email is received, enter it at the bottom of the screen.

Confirm Password

•••••	$\bigcirc$
Validation Code	
CREATE ACCO	DUNT

#### **RESEND VALIDATION CODE**

- e. Click **Create Account** If the validation code is not received, use the link to resend the code or review the screen for additional help.
- 5. Return to the Operational Intelligence login page and login.
- 6. The Operational Intelligence landing page opens.

	tetugence	
	Additional Permissions Required	ass Operational
	Intelligence. Please contact your support administrator at	
	ConnectedAIDCOperations@Honeywell.com to request permis	sions.
		Log in with another user
		0
While yo	u get permission for Operational Intelligence, you can explore	our available tool(s)
While yo Enterprise Provisioner - Lite \	ou get permission for Operational Intelligence, you can explore Version License Manager	our available tool(s) Log Analyzer
While yo Enterprise Provisioner - Lite \	u get permission for Operational Intelligence, you can explore Version License Manager	our available tool(s) Log Analyzer
While yo Enterprise Provisioner - Lite V Enterprise Provisioner helps use	vu get permission for Operational Intelligence, you can explore Version License Manager er This portal is used to generate	our available tool(s) Log Analyzer Log Analyzer provides analysis of
While yo Enterprise Provisioner - Lite V Enterprise Provisioner helps use to provision Honeywell Mobility Devices and Printers using	vu get permission for Operational Intelligence, you can explore Version License Manager This portal is used to generate license bundles for selected Honewell accete. The licenses bas	our available tool(s) Log Analyzer Log Analyzer provides analysis of Logs supporting the logs from Talkman and Android
While yo Enterprise Provisioner - Lite V Enterprise Provisioner helps use to provision Honeywell Mobility Devices and Printers using barcodes or configuration files.	Version License Manager This portal is used to generate license bundles for selected Honeywell assets. The licenses has to be purchased prior to the generation step in this portal.	our available tool(s) Log Analyzer Log Analyzer provides analysis of logs supporting the logs from Talkman and Android.

- 7. Click Visit under Log Analyzer.
- 8. If you have a valid license (and token) the Log Analyzer opens.

Honeywell	E Hello: JohnDoog Honeywe	ll.com
Honeywell Voice Log Analyzer	Logs	
<b>⊥</b> Logs	Choose File No file chosen	
III Event List	<b>B</b> Upload	
<ol> <li>Dialog</li> </ol>		
<b>≓</b> Host Communications	Supported files: <b>bxt</b> and <b>zip</b> (may contain one or more <b>bxt</b> files)     Warning: Pay attention to dates; in some logs, it may not be correct due to the month/day/year format.	
"]" Network Events		
중 Signal Strength	Results (0)	
III Memory	No data found	
About		

9. If not, the following screen is presented.

Honeywell	=	Hello: JohnDoe⊚Honeywell.com
Honeywell Voice Log Analyzer	Thank you for your interest in this tool. You do not have access to this tool.	T
🕹 Logs	Please contact VoiceTechnicalSupport for further assistance.	
I≣ Event List	How to get support or sales assistance on Honeywell voice products?	
💬 Dialog	To get assistance on this product, please follow the details below.	
<b>≓</b> Host Communications	Technical Assistance:	
17 Network Events	US/ Canada: +1 (866) 862-7877, +1 (412) 376 9384 (Support Hours: Everyday 24/7) For all countries, email here or call us: +44 (0) 1344-65-6123 (Support Hours: Everyday 24/7)	
중 Signal Strength	Sales:	
III Memory	For North America, email here or call us:1-866-862-6553 (Support Hours: CST 7:30 AM to 5:00 PM; Mon-Fri)     For EMEA, email here or call us: +44 (0) 1698-91-5777	
About	For APAC, email here or call us: +44 (0) 1698-91-5777     PMA (fmail)?     For North America, email here,     For North America, email here,     For APAC, email here,     For APAC, email here,	
	Contact us here.	
	When submitting your request, please provide the organization name, License Number from VoiceConsole, and email account(s) requesting access.	
	Once you have the Access token from the Support team, please submit it here:	
	Enter your token here Submit	

10. Click the **Contact us here** link. and provide the requested information displayed on the screen.

#### IMPORTANT

When providing the information to request the token, the email is case sensitive. The email must match the case used when registering with Operational Intelligence. You can view the email as shown in the screen above. If this user requests a token based on johndoe@honeywell.com the token issued does not allow access.

- 11. When the token is provided via email, copy the token and paste into the screen above.
- 12. Click Submit.
- 13. The Log Analyzer home page opens.

Honeywell	≡ Helis. JohnDosgHor	neywell.com
Honeywell Voice Log Analyzer	Logs	_
<b>⊥</b> Logs	Choose File No file chosen	
III Event List	B Upload	
9 Dialog		_
≓ Host Communications	Supported files: bot and zip (may contain one or more bot files)     Waming: Pay attention to dates; in some logs, it may not be correct due to the month/day/year format.	
<sup>4</sup> T <sup>4</sup> Network Events		
중 Signal Strength	Results (0)	
I Memory	No data found	
About		

### **Access Log Analyzer from Operational Intelligence**

The Log Analyzer is not automatically shown from the Operational Intelligence dashboard. It is necessary to follow the workaround below.

- 1. Access Operational Intelligence at this link: www.operationalintelligence.honeywell.com.
- 2. Click on the Software Updates menu.



3. Click on License Manager.

et oper	ationali	intelligence.honeywell.co	m/assets/updat	es					\$	🔒 In
eywell	Ope	erational Intelligenc	е				Organization:	Test Site	~	•100 乙
rds	~	Software								
/tics	$\sim$	Honeywell Updates	My Software	Updates Status	_	G Lic	ense Manager 🖵	Enterprise Pro	ovisioner	🔂 Uplo
Updates				۹	2957	ltems	1			
	$\sim$	UPDATE NAME	0	EVICE MODELS	$\diamond$	COMPATIBLE VERSIO	VERSION	0	FILE SIZE	

4. Edit the path in the browser bar. Replace **licensing** with **loganalyzer** in the UR. and access the new link.



5. Log Analyzer is launched.

#### IMPORTANT

Log Analyzer uses a token for the session. When the token for the session expires, it is necessary to repeat the process above.

# Organization

The application has three main sections.

- 1. On the left side, a navigation panel shows navigation links to the available functions. The hamburger menu button is used to collapse or expand this panel.
- 2. At the top to the right of the navigation panel are buttons to perform actions. Available actions depend on the page selected,
- 3. The core section below the buttons shows the content area. The content area displays the selected and filtered data in tables, lists, or graphs.

Honeywell	=				Hello: JohnDoe®	aHoneywel
4						
Honeywell Voice Log Analyzer	Logs					
🗘 Logs	Choose File No file chosen					
I≣ Event List	Dipload (2)					
😡 Dialog						
≓ Host Communications	<ul> <li>Supported files: .bct and .zip (may contain one or more .bct files</li> <li>Warning: Pay attention to dates; in some logs, it may not be contained.</li> </ul>	.) rrect due to the month/day/year format.				
"1" Network Events						
중 Signal Strength	Results (1)					
🛲 Memory	File Name	Start Time	Stop Time	Device Name	Uploaded At	
About	Log_7418490235_2024-07-15_21-22-05-29.txt	7/15/2024 9:22:42 PM	7/15/2024 9:37:23 PM	7418490235	7/16/2024 11:27:40 AM	
	Information about the Log files uploaded					

#### App Structure

# **Application Buttons**

The following buttons are used in various places within the tool.

Button	Function
Choose File	Browse for and choose a log file to be uploaded to the tool.
Upload	Upload the chosen log file.
201	Save the current log file as a PDF.
	Delete the current log file from the Voice Log Analyzer tool.
<b>Q</b> Find	Apply the selected filters to the log file.

Button	Function
Clear	Clear the filters.
	Save the log data to a Microsoft Excel spreadsheet. If a filter is applied, only the filtered data is saved to the spreadsheet.
1000 -	Select the number of entries to display per page. The default is 1000.

### Limitations

#### NOTE

Not all device logs may be handled as customizations may affect the ability to process the files.

The following limitations are observed with the 1.0.0.31 LA release:

- The signal strength display is not configurable for how the tool colors good or bad connections. Users must adjust their review to their own signal strength surveys to ensure a healthy network connection.
- File sizes are limited to 20 MB. Keep log files compressed help avoid exceeding the size limit. To review log files greater than 20 MB, modify the device log files to capture the desired timeframes. This can make GWS log analysis more difficult as these logs can get large very quickly. Keep files compressed to help avoid this issue.
- This tool only analyzes Device Logs. Application logs and logs generated via the "report problem" feature (such as the syslog or VocollectVoicelogs) are not supported.
- It is recommended to share the OpIntel Base URL: https://operationalintelligence.honeywell.com/ only and not share any other URLs.

# **Customer Support**

Find most Honeywell Voice technical documentation at www.help.honeywellaidc.com.

If you need assistance installing or troubleshooting your device, please contact us by using one of the methods below:

### **Honeywell Voice Reseller Services**

If you purchased equipment or services through a Honeywell Voice reseller, please contact your reseller first for support or to purchase a support plan.

### **Honeywell Voice Technical Support**

# To report Voice system support incidents or related technical issues, contact the Honeywell Technical Support Center at:

Technical Support Email: voicetechnicalsupport@honeywell.com Technical Support Phone (US): +1 866 862 7877 Technical Support Phone (Rest of the World): +1 412 376 9384 Technical Support Phone (EMEA): +44 (0) 1344 65 6123

For assistance on all other matters, contact your Honeywell Certified Reseller or Honeywell directly at www.sps.honeywell.com.

# LOG ANALYZER FUNCTIONS

This section details the pages for uploading and displaying data extracted from device logs. Select a function from the left panel.

Honeywell	E Hello: JohnDeeg Honeywell.c	om
Honeywell Voice Log Analyzer	Logs	-
<u> 1</u> Logs	Choose File No file chosen	
III Event List	B Upload	
Dialog		
<b>₽</b> Host Communications	Supported files: <b>bct</b> and <b>zip</b> (may contain one or more <b>bct</b> files) <b>Warning:</b> Pay attention to dates; in some logs, it may not be correct due to the month/day/year format.	
<sup>a</sup> l <sup>4</sup> Network Events		
중 Signal Strength	Results (0)	
I Memory	No data found	
About		

Log Analyzer Main Screen

# **Upload Device Log**

Upload a log from the **Logs** page by choosing a log file and clicking the **Upload** button. Supported formats are txt or zip format. Uploaded logs appear below in a row-by-row list of results.

You can choose a log file by:

- Clicking on the Choose File button to browse and select a file
- Using file explorer to drag and drop a file in the Chose File text box

The success or failure message is displayed in the upper right corner of the screen.

≡			🔓 Log_7621450180	)_2023-08-2	4_10-08-4	42-389.txt	×
Logs							
Choose File Log_7621450180_2023-08-24_10-08-42-589.bt			Serial Number 7621450180 Terminal Sub Type	IP Address 10.10.10.101 Bluetooth Addre	955	Firmware Version VCL-20230428065326_V Console URL http://10.10.10.10:9090/	4.7.es_ES_12 VoiceConsole/Tmgr/1#015
• Warning: Pay attention to dates, in some logs, it may not be correct due to the month/day/year form	nət.		Radio MAC Address	Radio Firmware	Version	Radio Driver Version	
Results (8)			Host Communications Failed	BEEPS	Roaming Ev	ents Associations	Co-Channel Interferences
File Name	Start Time	Stop Time	0	0	7	7	0
Log_7621450180_2023-08-24_10-08-42-389.txt	8/24/2023 8:16:55 AM	8/24/2023	Summary for Log Event file				
Log_7619192265_2023-09-26_14-45-19-900.txt	9/26/2023 12:40:56 PM	9/26/2023					
Log_7423100665_2023-06-13_09-58-21-326.txt	6/13/2023 7:56:12 AM	6/13/2023					
Log_6319300303_2024-01-18_10-59-47-657.txt	1/18/2024 9:38:09 AM	1/18/2024					
Log_7622020110_2023-08-24_10-09-00-889.txt	8/24/2023 10:07:37 AM	8/24/2023					
Log_7520299596_2024-01-15_16-55-49-69.txt	1/15/2024 3:38:52 PM	1/15/2024					
Log_148_2023-09-14_12-86-55-198.txt	9/14/2023 12:27:45 PM	9/14/2023					
Log_7520299596_2024-03-14_17-40-57-590.txt	3/14/2024 5:40:49 PM	3/14/2024					

#### Upload Log

Select a log from the list to delete or click on the log for further basic information such as Serial Number, IP Address, Firmware Version, etc. A summary shows the Host Communication errors, the number of beeps registered, the number of roaming associations (Associations), the successful roaming events (Roaming Events), and the co-channel interferences. This information can be exported in PDF format.



#### Log Summary

### Log File Summary

The summary contains helpful information on the device. Refer to the upper portion for device identification details such as device type, IP and MAC addresses, and firmware versions.

The indicators for Host Communication Failed, Beeps, and Co-Channel interference are coded red, yellow, or green for an indication of possible issues.

Click the PDF icon to generate and save a PDF summary of the log file.

### **Event List**

The **Event List** page displays a list with a set of events classified into the following types:

- Survey events
- Roaming events
- Dialog events
- Transferred Data events
- Host Communications events
- Device Status events
- SRX Status events

Each event type is shown with a different row color and icon for easier identification.

۲	2024-07-15 21:22:42.068	RingBufferModule::initialize()
«Т»	2024-07-15 21:22:42.426	Mac: 4c:71:00:00:00:00 Channel: 60 RSSI: -56 Co-channel interference: False
«Т»	2024-07-15 21:22:42.427	To 4C:71:00:00:00:00
î	2024-07-15 21:22:42.469	Device connected to: 4C:71:00:00:00:00
î	2024-07-15 21:22:42.469	Signal Strength: 49 %
(ه	2024-07-15 21:22:42.779	Please wait. Loading task list.
(ه	2024-07-15 21:22:42.821	No task list file found. Task unchanged.
(ه	2024-07-15 21:22:44.228	Good night.
<b>"Т</b> "	2024-07-15 21:23:08.505	Mic boom flipped horizontally, send a message to dialog to stop discarding recognitions
(cp)	2024-07-15 21:23:18 498	Mic boom flipped vertically, send a message to dialog to discard recognitions

#### Event List

The list is ordered by date and can be filtered by date or event type.

List Filter					
File Name	Start Time				
Log_7622020110_2023-08-24_10-09-00-889.txt 🗸	dd/mm/aaaa:	P			
Survey	End Time				
Roaming	dd/mm/aaaa:	æ			
Dialog					
Host Communications					
Device Status     SRX Status					
Q.Find Clear B					

#### List Filter Panel

In the List Filter section, set the filters by:

- · checking one or more desired items in the list
- entering local dates and times

Next click the **Find** button or press Enter.

Filters can be removed by clicking the **Clear** and **Find** buttons in that order.

Click the 🚺 icon to save the log file as a Microsoft Excel spreadsheet.

TIP

Apply any desired filters before exporting, as only the filtered data is exported.

By default, all log events are displayed.

# **Survey Event List**

This icon identifies all survey entries. Survey entries are one of two types:

- Access Point (AP) ID (MAC address)
- AP Signal Strength

	Time	Info
Ŷ	2024-07-15 21:22:42.469	Device connected to: 40:00:00:00:00:00
Ŷ	2024-07-15 21:22:42.469	Signal Strength: 45 %

#### **Event List Filtered by Survey**

#### TIP

Combining Survey and Roaming events provides a view of both the signal strength and AP information.

# **Roaming Event List**

(m)

This icon identifies all roaming entries. This is a summary of the roaming events between the device and local APs. Details include:

- MAC address of the AP
- Channel
- RSSI
- Co-channel interference

	Time	Info
θŢ9	2024-07-23 12:54:04.560	Mac: dc:20:20:20:20:20 Channel: 3 RSSI: -70 Co-channel interference: False
et.	2024-07-23 12:54:04.560	To DC:20:20:20:20:21

#### **Event List Filtered by Roaming**

#### TIP

Combining Survey and Roaming events provides a view of both the signal strength and AP information.

# **Dialog Event List**

This details communication between the operator and the system. There are four types of entries:



This icon identifies dialog from the device.



This icon identifies ignored or rejected dialog.



This icon identifies dialog from the operator.

 $^{\prime\prime}$  This icon identifies dialog from the system.

You can further filter the Dialog Events by the above categories on the Dialog Filter page. The Dialog Filter page includes additional details including recognition level and microphone status.

	Time	Info
<b>4</b> 0)	2023-12-14 15:13:11.594	password?
<b>≜</b> ×	2023-12-14 15:13:14.241	<sil></sil>
2	2023-12-14 15:13:14.263	5
<b>1</b>	2023-12-14 15:13:14.286	1
<b>1</b>	2023-12-14 15:13:14.308	3
2	2023-12-14 15:13:14.328	9
<b>≗</b> ×	2023-12-14 15:13:14.349	<sil></sil>
<b>4</b> »)	2023-12-14 15:13:19.062	BEEP (400,2)
(ه	2023-12-14 15:13:23.115	W M Mobile

#### **Event List Filtered by Dialog**

# **Transferred Data Event List**

This details data interchanged with the host server.



This icon identifies data sent to the server.



This icon identifies data received from the server.



	Time	Info
÷	2024-06-08 15:38:59.976	prTaskLUTCoreConfiguration('06-08-2415:38:59.010','7418200121','sg1234','en_US','Default','CT-43-03-001') <cr><lf><lf></lf></lf></cr>
←	2024-06-08 15:39:00.018	Vocollect,sg1234,0,0, <cr><lf></lf></cr>
←	2024-06-08 15:39:00.018	<lf><lf></lf></lf>
8	2024-06-08 15:39:00.018	Records Received: 1. Bytes Received: 25

**Event List Filtered by Transferred Data** 

# **Host Communications Event List**

att

This icon identifies all host (TCP socket) communications, showing when device connections are opened and closed.

More detailed information can be found on the Host Communications Filter page.

	Time	Info
atl	2018-11-19 15:39:00.032	Connecting
atl	2018-11-19 15:39:00.070	Connected
atl	2018-11-19 15:39:00.185	Connection Closed

#### **Event List Filtered by Host Communications**

# **Device Status Event List**

۲

This color icon identifies all device status entries.

The entries may vary depending on device type and may include events such as button presses and scans.

For the Talkman entries, the battery icon serves as a visual indicator of the approximate battery charge. Additionally the following information is presented:

- Minutes of battery life remaining (TTE)
- Percentage of battery charge remaining
- Energy consumption rate
- Internal temperature

	Time	Info
۲	2024-07-23 08:02:55.490	RingBufferModule::initialize()
	2024-07-23 08:05:35.898	[TTE (min): 662], [PercentCharge: 94%], [Volts: 3.995], [EnergyConsumption: -18 mAh], [Temperature: 28.2deg C]
	2024-07-23 12:56:53.441	[TTE (min): 620], [PercentCharge: 88%], [Volts: 3.902], [EnergyConsumption: -12 mAh], [Temperature: 20.2deg C]
	2024-07-23 16:52:34.285	[TTE (min): 253], [PercentCharge: 45%], [Volts: 3.655], [EnergyConsumption: -108 mAh], [Temperature: 31.8deg C]
	2024-07-23 23:17:13.823	[TTE (min): 144], [PercentCharge: 24%], [Volts: 3.44], [EnergyConsumption: -50 mAh], [Temperature: 28.3deg C]

#### **Event List Filtered by Device Status**

# **SRX Status Event List**

These entries show the SRX3 headset flip-to-mute status and can be used to monitor operator habits:

This icon indicates the headset microphone boom is flipped up (microphone is muted).

This icon indicates the headset microphone boom is flipped down (microphone is active).

	Time	Info
Ŷ	2024-07-15 21:23:08.505	Mic boom flipped horizontally, send a message to dialog to stop discarding recognitions
X	2024-07-15 21:23:18.498	Mic boom flipped vertically, send a message to dialog to discard recognitions

**Event List Filtered by SRX Status** 

# **Dialog Filter**

The **Dialog** page displays all prompts and responses, along with microphone events.

#### NOTE

X

Only the text of the dialog is displayed. The tool does not support record and playback functions.

The page includes a table showing a summary for each word recognized, number of times each was accepted or rejected, and the confidence.

Dialog can be filtered by date, event type (discarded, speak by device, recognized by device or microphone events), and word.

#### TIP

The most common filters to use would be Speak by Device and Recognized by Device when investigating recognition issues. Filter by start and stop time or a particular word for more granularity.

Dialog Filter		
File Name	Start Time	
Log_7622020110_2023-08-24_10-09-00-889.txt 🗸	dd/mm/aaaa:	8
P Discorded	End Time	
G Uscarea Spesk by Device Secontrad by Device Microbnem Events	dd/mm/aaaa:	8
	Word	
	Word	
Q.Find Clear b		

#### **Dialog Filter Panel**

The table below provides a summary of words spoken by the operator during the workflow. This summary by word shows the accepted and rejected occurrences along with confidence values.

NormalNotationNotationNotationNotationSignapse604010040111Signapse040010040111Signapse0500100501111Signapse0500100901111Signapse10900100901111Signapse10900109001111Signapse10900109001111Signapse10900109001111Signapse109001090011111Signapse1090010900111111Signapse109001090011<11111111111111111111111	Summary						^
Word         Accepted         Rejected         Nace, Confidence         Max. Confidence           signbage         0,0%1         1,00%1         - <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
sqhaqee10%10%1111sqhaqee10%10%1111sqc0%10%11111018%11%22333140%10%33333110%10%33333110%333333210%333333310%333333410%10%33333510%10%333333610%3333333740%33333333610%33	Word	Accepted	Rejected	Avg. Confidence	Min. Confidence	Max. Confidence	
silfinforminforminforminforminformwc0%110%11111018%111%100000110%110%1000000110%110%10000000210%1000	<garbage></garbage>	0 (0 %)	1 (100 %)	-1	-1	-1	
wwc0(%)1(00%)1111088%)1(%)0,40,20,70,7140%)12%)0,70,70,10,12120%)0,%3,90,70,20,2310%)0,%3,90,70,20,240,%1,40,60,40,40,4510%)1,0%1,20,40,40,4610%2,20,40,30,40,4710%0,42,40,20,40,4610%2,40,20,20,40,490,6%0,6%0,40,40,40,490,6%1,6%0,1%0,40,40,4	<sil></sil>	0 (0 %)	101 (100 %)	-1	-1	-1	
o18%11%24-0.253.77140%10%17%0.713.1210%0%3.977.53.9310%0.943.783.2310%1.40.63.240%1.40.43.4510%1.20.43.461.0%2.20.43.471.0%2.20.53.471.0%2.40.63.471.0%3.20.23.480.40.40.20.290.6%0.40.20.290.6%0.40.40.490.6%0.40.4	<wc></wc>	0 (0 %)	11 (100 %)	-1	-1	-1	
140%10%9,7-0,73,1210%0%3,91,53,9310%0%4,93,76,2410%1,2%3,63,23,2561,2%3,46,46,2610%1,2%3,43,43,2710%0,4%3,20,53,2810%2,2%0,55,63,2910%0,2%0,62,20,63,2910%1,0%2,40,62,23,290,0%1,0%3,20,64,290,0%1,0%0,1%0,1%0,1%1,0%90,0%1,0%0,1%0,1%0,1%0,1%	0	8 (88 %)	1 (11 %)	2,04	-0,25	3,97	
210%0%3%1%7%7%310%0%4%3%6%6%46%10%14%6%34516%12%0.4%6%6%610%24%0.4%6%6%710%10%24%6%6%710%0%24%0%6%810%13%24%0%6%90%0%24%0%6%90%10%24%0%6%90%10%24%0%6%90%10%10%0%6%90%10%10%0%6%	1	4 (80 %)	1 (20 %)	1,97	-0,71	3,31	
3 (100%)         0 (0%)         4 (9%)         3,78         6,22           4 (8%)         1,2%)         1,43         -0,64         3,41           5 (1%)         1,2%)         2,12         -0,04         6,23           6 (1%)         1,0%)         3,42         -0,04         6,23           7 (100%)         1,0%)         3,04         -0,14         -0,24           7 (100%)         1,0%)         3,04         -3,14         -0,31           7 (100%)         0,0%         2,24         0,58         -0,51         -0,51           8 (100%)         1,3%         2,32         0,58         -0,51         -0,51         -0,51           9 (100%)         1,3%         2,32         0,58         -0,51         -0,51         -0,51           9 (100%)         1,0%         2,32         0,56         -0,51         -0,51         -0,51           9 (100%)         1,0%         2,42         -0,65         -0,61         -0,71         -0,71	2	12 (100 %)	0 (0 %)	3,99	1,75	7,39	
4         60%         10%         1,43         -0,64         3,41           5         76%         10%         2,12         -0,04         6,23           6         90%         10%         3,44         -3,14         7.0           7         40%         0,04         3,14         .0         7.0           8         10%         2,24         0,58         .0         .0           9         10%         1,34         2,24         .0         .0         .0           9         10%         0,34         .0         .0         .0         .0         .0           9         10%         0,34         .0         .0         .0         .0         .0           9         0,0         0,0         .2         .0         .0         .2         .0           9         0,0         .0         .0         .0         .0         .0         .0         .0         .0           9         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0         .0	3	7 (100 %)	0 (0 %)	4,99	3,78	6,92	
5         767%         12%         2,12         -0,04         6,23           6         960%         10%         3,44         -3,14         7,03           7         410%         0,0%         2,24         0,84         3,8           8         2,66%         13,3%         2,32         0,26         3,6           9         3,00%         0,0%         2,24         0,96         4,2           9,0%         0,0%         2,24         0,96         4,2           9,0%         0,0%         2,24         0,96         4,2           9,0%         1,0%         1,2         0,96         4,2	4	4 (80 %)	1 (20 %)	1,43	-0,86	3,41	
64         969%         10%         3,44         -3,14         7,03           7         410%         0%         2,24         0,58         3,8           8         26%         13%         2,32         -0,22         5,66           9         310%         0,6%         2,24         0,69         4,24           syagain         0%         10%         2,24         0,69         4,24           Syagain         0%         10%         2,24         0,69         4,24	5	7 (87 %)	1 (12 %)	2,12	-0,04	6,23	
7         4 (100%)         0 (0%)         2,2         0,58         3,8           8         2 (6%)         1 (3%)         2,32         -0,02         5,06           9         3 (10%)         0 (0%)         2,24         -0,62         -0,21           9 (0%)         1 (10%)         -7,12         -0,61         -0,71           9 (0%)         1 (3%)         1,29         -0,64         2,44	6	9 (90 %)	1 (10 %)	3,04	-3,14	7,03	
8         266%         133%         2,32         -0,02         5,66           9         3(00%)         0(%)         2,24         0,96         4,2           sayagain         0(%)         1(00%)         -0,71         -0,71           VSGNOFF         266%         1(3%)         1,29         -0,66         2,44	7	4 (100 %)	0 (0 %)	2,2	0,58	3,8	
9         3 (100 %)         0 (0 %)         2,24         0,96         4,2           say again         0 (0 %)         1 (100 %)         -0,71         -0,71         -0,71           VSIGNOFF         2 (66 %)         1 (33 %)         1,29         -0,46         2,44	8	2 (66 %)	1 (33 %)	2,32	-0,02	5,06	
sayagain 0(0%) 1(100%) -0,71 -0,71 -0,71 VSIGNOFF 2(66%) 1(33%) 1,29 -0,46 2,44	9	3 (100 %)	0 (0 %)	2,24	0,96	4,2	
VSIGNOFF 2 (66 %) 1 (33 %) 1,29 -0,46 2,44	say again	0 (0 %)	1 (100 %)	-0,71	-0,71	-0,71	
	VSIGNOFF	2 (66 %)	1 (33 %)	1,29	-0,46	2,44	

#### Summary Table for Dialog Events

The table below displays the data used to generate the summary above.

Events are indicated by the following colors and icons.

This icon identifies dialog from the device.

- This icon identifies ignored or rejected dialog.
- This icon identifies dialog from the operator.

This icon identifies dialog from the system.

Result	s (56937)			
Date		Word	Confidence	Status
<b>4</b> 0)	29/04/22 13:04:01.398	The current operator is John Doe.		
۹0	29/04/22 13:04:01.982	Please do not speak for a few seconds.		
٠	29/04/22 13:04:02.039	Mic boom flipped horizontally, send a message to dialog to stop discarding recognitions		
<b>4</b> 0)	29/04/22 13:04:02.521	Good night.		
*	29/04/22 13:04:47.396	Mic boom flipped vertically, send a message to dialog to discard recognitions		
٠	29/04/22 13:04:48.386	Mic boom flipped horizontally, send a message to dialog to stop discarding recognitions		
<b>4</b> 0)	29/04/22 13:04:48.424	Please do not speak for a few seconds.		
<b>4</b> 0)	29/04/22 13:04:52.074	Please speak.		
۹0	29/04/22 13:04:53.028	0		
<b>4</b> 0)	29/04/22 13:04:54.682	1		
<b>4</b> 0)	29/04/22 13:04:59.071	2		
<b>4</b> 0	29/04/22 13:05:00.615	Associate 192, Refrigerated, 32 lines		
<b>*</b>	29/04/22 13:05:08.272	<sil></sil>	-1	
*	29/04/22 13:05:08.537	VCONFIRM	6,43	
<b>4</b> 0	29/04/22 13:05:08.842	Open pallet, 32 lines left		
<b>2</b> *	29/04/22 13:05:13.067	<sil></sil>	-1	
*	29/04/22 13:05:13.089	VCONFIRM	1,37	
<b>4</b> 0)	29/04/22 13:05:13.226	Container type?		
<b>2</b> *	29/04/22 13:05:13.227	<sil></sil>	-1	IGNORING
<b>*</b> *	29/04/22 13:05:15.408	<sil></sil>	-1	
2	29/04/22 13:05:15.696	0	7,65	
2	29/04/22 13:05:15.978	1	5,98	
<b>4</b> 0	29/04/22 13:05:16.023	roll pallet?		
<b>*</b> *	29/04/22 13:05:16.024	<sil></sil>	-1	IGNORING
<b>*</b> *	29/04/22 13:05:17.451	<sil></sil>	-1	
2	29/04/22 13:05:17.876	VYES	5,04	

#### Dialog List

In the Dialog Filter section, set the filters by:

- checking the desired items in the list
- entering local dates and times

Next click the **Find** button or press Enter.

Filters can be removed by clicking the **Clear** and **Find** buttons in that order.

# **Host Communications Filter**

The **Host Communications** page displays communication with the host server (LUTs/ODRs). The page includes the following information.

### **Connection Establishment Graphs**

These graphs display the host connect timeline on the horizontal axis.

The left vertical axis displays the connection accomplishment time in milliseconds. The connection establishment graph is made up of a green (success) and red (error) indicators.

Additional data is shown depending on the option selected.

#### **Latest Registered AP**

The MAC address of the AP is displayed. The right vertical axis shows the registered AP over time shown with blue indicators for the time connected to that AP.



**Connection Establishment Graph with Registered AP** 

#### NOTE

Logs from DevKit apps do not contain information about Connection Establishment, so the graph only depicts Data Transmission, which also includes the time to create a connection and to transmit the data.

### **Latest Registered RSSI**

The right vertical axis shows the registered RSSI over time shown with blue indicators.



**Connection Establishment Graph with RSSI** 

#### NOTE

Logs from DevKit apps do not contain information about Connection Establishment, so the graph only depicts Data Transmission, which also includes the time to create a connection and to transmit the data.

### Latest Registered Signal Strength

The right vertical axis shows the registered signal strength as a percentage over time shown with blue indicators.



**Connection Establishment Graph with Signal Strength** 

#### NOTE

Logs from DevKit apps do not contain information about Connection Establishment, so the graph only depicts Data Transmission, which also includes the time to create a connection and to transmit the data.

### **Data Transmission Graph**

This graph displays the data transmission timeline on the horizontal axis.

The left vertical axis displays the data transmission time in milliseconds. The data transmission graph is made up of an orange (success) and red (error) line.

Additional data is shown depending on the option selected.

#### **Latest Registered AP**

The MAC address of the AP is displayed. The right vertical axis shows the registered AP over time shown with blue indicators for the time connected to that AP.



Data Transmission Graph with Registered AP

### **Latest Registered RSSI**

The right vertical axis shows the registered RSSI over time shown with blue indicators.



#### Data Transmission Graph with RSSI

### **Latest Registered Signal Strength**

The right vertical axis shows the registered signal strength as a percentage over time shown with blue indicators.



Data Transmission Graph with Signal Strength

### **Total Host Communications Table**

This table displays a summary for the host connection and transmission events.

Total Host Communications: 62									
Туре	Successful	Failed	Ava.	Std.	Max.	Min.	RSSI (avg.)	Signal Strength (avg.)	
Connection Establishment	69	0	1500.4 ms	2769.59 ms	11846 ms	19 ms	-67.76	31.72 %	
Data Transmission	<b>6</b> 3	0	401.03 ms	1207.09 ms	8895 ms	22 ms	-67.66	31.72 %	

Summary Table for Host Communication Events

### **Connection Events List**

This list displays all registered host connection events ordered on the timeline with data about: Status, Latest Registered Signal Strength/AP/RSSI, Timeout Established, Connection/Error counts, and the Host and Port to which the device attempts to connect.

#### Results (582)

Time	Status	Latest Registered Signal Strength	Latest Registered AP	Latest Registered RSSI	Host	Port	Timeout Established	Connection Count	Error count	Elapsed Time (ms)
2023-09-14 12:30:12.374	Connecting	36 %	28:00:00:00:00:00		30.200.200.200	15004	20	46	0	-
2023-09-14 12:30:12.414	Connected	36 %	28:00:00:00:00:00	<b>6</b> 3	30.200.200.200	15004	20	46	0	40
2023-09-14 12:30:16.405	Connection Closed	36 %	28:00:00:00:00:00		30.200.200.200	15004	20	46	0	3991
2023-09-14 12:31:07.660	Connecting	40 %	00:00:00:00:00.80	-50	30.200.200.200	15004	20	47	0	-
2023-09-14 12:31:07.699	Connected	40 %	00:00:00:00:00.80		30.200.200.200	15004	20	47	0	39
2023-09-14 12:31:10.392	Connection Closed	40 %	00:00:00:00:00:80		30.200.200.200	15004	20	47	0	2693
2023-09-14 12:31:17.637	Connecting	40 %	00:00:00:00:00:80		30.200.200.200	15004	20	48	0	
2023-09-14 12:31:17.678	Connected	40 %	00:00:00:00:00:80		30.200.200.200	15004	20	48	0	41
2023-09-14 12:31:21.728	Connection Closed	40 %	00:00:00:00:00:80	-50	30.200.200.200	15004	20	48	0	4050
2023-09-14 12:31:21.796	Connecting	40 %	00:00:00:00:00:80		30.200.200.200	15004	20	49	0	-
2023-09-14 12:31:21.841	Connected	40 %	00:00:00:00:00:80		30.200.200.200	15004	20	49	0	45
2023-09-14 12:31:24.731	Connection Closed	40 %	00:00:00:00:00:80		30.200.200.200	15004	20	49	0	2890
2023-09-14 12:31:49.563	Connecting	48 %	00:00:00:00:00:80		30.200.200.200	15004	20	50	0	
2023-09-14 12:31:49.602	Connected	48 %	00:00:00:00:00:80		30.200.200.200	15004	20	50	0	39
2023-09-14 12:31:53.601	Connection Closed	48 %	00:00:00:00:00:80		30.200.200.200	15004	20	50	0	3999
2023-09-14 12:31:53.612	Connecting	48 %	00:00:00:00:00:80		30.200.200.200	15004	20	51	0	-
2023-09-14 12:31:53.650	Connected	48 %	00:00:00:00:00:80		30.200.200.200	15004	20	51	0	38
2023-09-14 12:31:56.361	Connection Closed	48 %	00:00:00:00:00:80		30.200.200.200	15004	20	51	0	2711
2023-09-14 12:32:07.977	Connecting	48 %	00:00:00:00:00:80		30.200.200.200	15004	20	52	0	
2023-09-14 12:32:08.017	Connected	48 %	00:00:00:00:00:80		30.200.200.200	15004	20	52	0	40
2023-09-14 12:32:12:035	Connection Closed	48 %	00:00:00:00:00:80		30.200.200.200	15004	20	52	0	4018
2023-09-14 12:32:12.129	Connecting	48 %	00:00:00:00:00:80		30.200.200.200	15004	20	53	0	-

#### **Connection Events List**

Host Communications Filter						
File Name		Conn. Time Min (ms)	Trans. Time Min (ms)	RSSI Min.	Start Time	
Log_148_2023-09-14_12-86-55-198.txt	~				dd/mm/aaaa:	
Access Point		Conn. Time Max (ms)	Trans. Time Max (ms)	RSSI Max.	End Time	
00:00:00:00:00					dd/mm/aaaa:	₽
Q Find Clear						

#### **Host Communications Filter Panel**

In the Host Communication Filter section, select the filters by:

- entering maximum or minimum values for connection or transmission times
- minimum or maximum RSSI
- entering local dates and times
- entering the MAC address for an Access Point

Next click the Find button or press Enter.

Filters can be removed by clicking the Clear and Find buttons in that order.

### **Network Events**

The **Network Events** page displays the signal quality and roaming events. The page includes the following information:

### **Signal Quality Timeline Graph**

In this graph, view the RSSI value within the timeline, with horizontal color lines to separate the quality group classification (Ideal, Good, Middle-Lower, Lower). Values are here represented by a scale from 0 to -80 RSSI -it should be noted that the range of values represented may vary between different device manufacturers and are not completely standardized:



**Signal Quality Timeline Graph** 

### **Signal Quality Summary Table and Graph**

#### This graph shows the summarized info from the previous graph:



Signal Quality Summary Table and Graph

### Signal Quality Summary per AP

A table displays each roamed Access Point with a signal quality average value and the number of samples used to calculate it:

Signal Quality Summary per AP			*
AP	Rssi Avg. (%)	Samples	
f2:00:00:00:a8	-69	3	
f2:00:00:00:89	-63	9	
f2:00:00:00:00:54	-61	9	

### **Roaming Timeline Graph**

#### This graph shows the roaming events in a timeline:



**Roaming Timeline Graph** 

### **Roaming List**

This list shows all registered network events ordered on the timeline, showing the network event date and time, status, destination AP, channel, and RSSI value for each event. Depending on the event, the Status shown in the list can be:

- Associating Status: This information indicates that the device is attempting to associate with another AP, with the indicated RSSI channel and signal strength (white lines in the roaming list).
- **Connected Status**: This information indicates that the device has successfully connected to a new Access Point (green lines in the roaming list).
- **Errors**: Point out whether errors have been detected in the roaming process (red lines in the roaming list).
- **Co-Channel interferences**: If there are two or more attempts to connect to different Access Points (APs) using the same channel within a time frame of 2 seconds or less, these lines are shown as red lines. This indicates the presence of co-channel interference.

Results (42)				
Date	Status	AP	Channel	Rssi
22/09/22 09:03:03.463	Associating	55:00:00:00:54	11	<u>61</u>
22/09/22 09:03:03.463	Association Failed, status code = 1, error = 0xfffc, a_id	= 0xffff		
22/09/22 09:03:03.466	Associating	55:00:00:00:54	11	-61
22/09/22 09:03:03.467	Connected	55:00:00:00:54		
22/09/22 07:47:25.293	Associating	55:00:00:00:89	1	-64
22/09/22 07:47:25.293	Connected	55:00:00:00:89		
22/09/22 10:25:51.755	Associating	55:00:00:00:89	1	-59
22/09/22 10:25:51.756	Connected	55:00:00:00:89		
22/09/22 10:40:37.987	Associating	55:00:00:00:89	1	-60
22/09/22 10:40:37.987	Connected	55:00:00:00:89		
22/09/22 10:53:23.698	Associating	55:00:00:00:a8	11	-70
22/09/22 10:53:23.698	Connected	55:00:00:00:a8		
22/09/22 10:53:53.047	Associating	55:00:00:00:89	1	-62
22/09/22 10:53:53.047	Connected	55:00:00:00:89		
22/09/22 10:59:10.713	Associating	55:00:00:00:00:a8	11	-66
22/09/22 10:59:10.713	Connected	55:00:00:00:a8		
22/09/22 10:59:17.642	Associating	55:00:00:00:54	11	-67
22/09/22 10:59:18.644	Association Failed, status code = 1, error = 0xfffc, a_id	= 0xffff		
22/09/22 10:59:19.449	Associating	55:00:00:00:00:54	11	-61
22/09/22 10:59:19.452	Connected	55:00:00:00:54		
22/09/22 11:00:02.029	Associating	55:00:00:00:00:a8	11	-71
22/09/22 11:00:02.029	Connected	55:00:00:00:a8		
22/09/22 11:00:13.052	Associating	55:00:00:00:00:89	1	-71
22/09/22 11:00:13.153	Connected	55:00:00:00:89		
22/09/22 11:13:59.334	Associating	55:00:00:00:54	11	-61
22/09/22 11:13:59.434	Connected	55:00:00:00:54		

#### **Roaming List**

In the Network Events Filter section, select the filters by:

• entering local dates and times

Next click the Find button or press Enter.

Filters can be removed by clicking the **Clear** and **Find** buttons in that order.

Network Events			
File Name		Start Time	
Log_6214150044_2024-03-20_16-47-48-835.txt	~	dd/mm/aaaa:	
		End Time	
		End Time dd/mm/aaaa:	8

#### **Network Events Filter Panel**

### Signal Strength

The **Signal Strength** page shows information about signal strength events. The page includes the following information:

### **Timeline graph**

The graph displays signal strength values on the timeline for the selected log:



#### **Timeline Graph**

### **Summary Table**

The table displays summarized info based on the previous graph:

Summary	*
Description	Value
Average	36,93 %
Standard Desviation	6 %
Max	47 %
Min	31%



### Summary per AP Table

This table displays the signal strength average value and number of samples used to calculate it for each AP.

Summary per AP		
Access Point	Signal Strength	Samples
A0:00:00:00:D3	26	5
A0.00.00.00.13	36	4

#### Summary per AP Table

In the Signal Strength Filter section, select the filters by:

• entering local dates and times

Next click the Find button or press Enter.

Filters can be removed by clicking the **Clear** and **Find** buttons in that order.

s	ignal Strength Filter			
	File Name		Start Time	
	[LogX].txt	~	dd/mm/aaaa:	F
			End Time	
			End Time dd/mm/assa:	e

Signal Strength Filter Panel

# **Heap/Memory Usage**

The **Heap/Memory usage** page shows all information related to memory in the device. Used memory and remaining available memory are shown on the graph. The sum of used and available memory represents the total memory.

### RAM

This page includes the following information:

- RAM (Heap) graph: Shows the used and available heap memory.
- RAM (file system) graph: Shows the used and available file system memory.

RAM (Heap)					RAM (file system)				
400000K		Used Available			80000000K		Used Available		
350000K -	•			þ	70000000K -				
300000K -					60000000K -				
250000K					50000000K -				
200000K -					40000000K -				
150000K					30000000K				
100000K					20000000K -				
50000K					10000000K	•	•	•	
6/11/2023 1	10:32:01 AM 6/11/2023 1	0:33:04 AM 6/11/2023 1	0:34:06 AM 6/11/2023 1	0:35:08 AM	6/11/2023 1	10:32:01 AM 6/11/2023	10:33:04 AM 6/11/2023	I0:34:06 AM 6/11/2023 10:35:08	

RAM (Heap) and RAM (File System) Memory Graphs

### **Flash Graph**

This graph shows the used and available flash memory.



Flash Memory Graph

# About

View the Open Source Software (OSS) agreements from this screen.

Honeywell 855 S Mint St. Charoltte, NC 28202

www.sps.honeywell.com

Voice Log Analyzer User Guide October 2024