



RealWear Arc 3 User Guide

Scope

This document provides an overview of the Arc 3 device hardware, features, and applications, along with detailed instructions for proper fit and operation.

Version 1
October 1, 2025

Version History

Version	Date	Summary of changes
0.9B	May 20, 2025	Baseline
1.0	October 1, 2025	Updates for Launch

Table of Contents

Version History	2
Table of Contents	3
1 Overview	8
1.1 Box Contents.....	8
1.2 Know Your Device	9
1.2.1 Device Details	11
1.2.1.1 Power Button	11
1.2.1.1.1 Up, Down and Enter Buttons	11
1.2.1.1.2 RealWear Arc 3 Display	11
1.2.1.2 Optical System.....	12
1.2.1.3 Microphone Array	12
1.2.1.4 Speakers	13
1.2.1.5 Battery.....	13
1.2.1.6 USB-C Port	14
1.2.1.7 Head Strap	14
1.2.1.8 Touch Bar.....	15
2 Features and Specifications	16
2.1 Device Features	16
2.2 Device Specifications.....	17
2.3 Software Brief	18
2.3.1 Android Enterprise Support.....	18
2.3.1.1 EMM Enrollment	19
2.4 Device Connectivity.....	22
2.4.1 Operating Frequency Bands	22
2.4.2 5 Gigahertz Wi-Fi Connection Information	22
2.4.3 Bluetooth	22
3 Set Up and Configuration	23
3.1 Charge the battery.....	23
3.2 Turn on and position the device.....	23
3.3 Select a language.....	24
3.4 Connect to WiFi.....	25
3.4.1 The Ari Companion app	25
3.4.2 Scanning a WiFi QR code	27
3.4.3 Scanning an MDM QR Code	27

3.5	RealWear Cloud.....	27
4	Settings and Storage	29
4.1	Bluetooth Setup	29
4.2	Wireless Firmware Update	30
5	Interacting with Your Device	32
5.1	WearHF™ Voice Control	32
5.1.1	“Say What You See” Speech Recognition.....	32
5.1.2	Anytime Access Help.....	33
5.1.3	Alternate Speech Recognition.....	33
5.1.4	Mute Microphone.....	34
5.2	Microphone Settings.....	35
5.3	Page Scrolling	36
5.4	Notifications	36
5.5	Device Buttons.....	38
5.5.1	Action Button	38
5.5.2	+ (Plus) and – (Minus) Buttons.....	38
5.6	Speech Keyboard	39
5.6.1	Dictation.....	41
5.6.2	Secure Keyboard	43
5.6.3	Voice Keyboard	44
5.7	Recent Applications	48
5.8	Device Power	49
5.8.1	Turn ON RealWear Arc 3	49
5.8.2	Turn OFF RealWear Arc 3	49
5.8.2.1	Turn OFF Manually	50
5.8.2.2	Turn OFF Hands-Free	50
5.8.3	Reboot Device	50
5.8.3.1	Reboot Manually	50
5.8.3.2	Reboot Hands-Free	50
5.8.4	Sleeping and Waking.....	51
5.8.4.1	Sleep and Wake Manually	51
5.8.4.2	Sleep and Wake Hands-Free	51
5.8.5	Power Options	51
5.9	Battery Use.....	52
5.9.1	Direct Charging	52
5.9.2	Low Battery	53
6	Device Apps.....	54
6.1	Home Screen	54
6.1.1	Home Screen Navigation	55

6.2	My Programs.....	57
6.2.1	About Device App	59
6.2.2	Audio Recorder App - Downloadable	60
6.2.2.1	Recording Audio.....	60
6.2.2.2	Audio Folder.....	61
6.2.2.3	Audio Playback	62
6.2.2.4	More Options	63
6.2.2.4.1	Audio Channel	63
6.2.2.4.2	Audio Quality	64
6.2.2.4.3	Recording Time	64
6.2.3	Barcode Reader App - Included.....	65
6.2.4	Configuration App.....	66
6.2.5	My Camera App	66
6.2.6	My Controls App	66
6.2.6.1	Action Button	68
6.2.6.2	Bluetooth	69
6.2.6.3	Brightness.....	69
6.2.6.4	Dictation.....	70
6.2.6.5	Flashlight	70
6.2.6.6	Help Command	70
6.2.6.7	Microphone.....	71
6.2.6.8	Mouse	71
6.2.6.9	Power Options	73
6.2.6.10	Volume.....	73
6.2.6.11	Wireless Network	74
6.2.7	My Files App	74
6.2.8	My Training App.....	74
6.2.9	Settings App	75
6.2.9.1	Network and Internet Settings	76
6.2.9.2	Connected Devices Settings	76
6.2.9.3	Apps and Notifications Settings	77
6.2.9.4	Battery Settings.....	77
6.2.9.5	Display Settings	78
6.2.9.6	Sound Settings.....	78
6.2.9.7	Storage Settings	79
6.2.9.8	Privacy Settings	79
6.2.9.9	Location Settings.....	80
6.2.9.10	Security Settings.....	80
6.2.9.11	Accessibility Settings.....	81
6.2.9.12	RealWear Settings.....	81
6.2.9.13	System Settings.....	82
6.2.9.14	About Device.....	82
6.2.10	Web Apps App	83

6.2.11	Wireless Update App.....	83
6.3	My Camera.....	84
6.3.1	Take a Photo.....	84
6.3.1.1	Exposure Level.....	85
6.3.2	Record a Video.....	86
6.3.3	Photo and Video Preview	87
6.3.4	More Options	88
6.3.4.1	Aspect Ratio.....	89
6.3.4.2	Field of View	90
6.3.4.3	Frame Rate.....	90
6.3.4.4	Image Resolution	91
6.3.4.5	Video Resolution	91
6.3.4.6	Video Stabilization	92
6.3.5	Additional Camera Commands.....	92
6.3.5.1	Camera Flash.....	93
6.3.5.2	Manual Focus	94
6.4	My Files.....	95
6.4.1	My Media Folder	96
6.4.1.1	Media Player	97
6.4.1.1.1	Video Playback.....	97
6.4.2	My Documents Folder	98
6.4.2.1	Document Viewer.....	98
6.4.2.1.1	Zooming and Panning	99
6.4.3	My Photos Folder.....	100
6.4.3.1	More Options	101
6.4.4	My Downloads Folder	102
6.4.5	My Drives Folder	103
6.4.6	Deleting Files	103
6.5	My Training	106
7	Safety and Usage Guidelines.....	108
7.1	Health and Safety Warnings.....	108
7.2	Child Safety	109
7.3	Battery and Charger Safety	110
7.3.1	Battery Performance.....	110
7.3.2	Avoid High Temperatures	110
7.3.3	Charger Use Safety Instructions	111
8	Device Care.....	112
8.1	Device Cleaning.....	112
8.1.1	Hard Surface Cleaning	112
8.1.1.1	Optical system and Camera Cleaning	112
8.1.2	Fabric Cleaning	112

8.1.3	Accessories Cleaning	112
8.2	Device Storage	113
9	Ownership Information.....	114
9.1	Models Covered	114
9.2	Regulatory and Compliance Statements.....	114
9.2.1	FCC Statement.....	114
9.2.2	FCC Caution	114
9.2.3	English IC Statement.....	115
9.2.4	Français IC Statement	115
9.2.5	English IC Statement for WLAN 5GHz Device	115
9.2.6	Français IC Statement for WLAN 5GHz Device.....	116
9.3	Declarations of Conformity	117
9.3.1	EU Regulatory Conformance.....	117
9.3.2	UK Regulatory Conformance.....	119
9.4	Specific Absorption Rate Information	120
9.4.1	United States Radiation Exposure Statement	120
9.4.2	Europe Radiation Exposure Statement	121
9.4.3	Déclaration d'exposition aux radiations	121
9.5	Limited Warranty and Software License	121

1 Overview

Welcome to the future of augmented reality with the **RealWear Arc 3**, where imagination meets innovation. Designed to revolutionize the way we perceive and interact with the digital world, the Arc 3 is more than just a pair of smart accessories; it's a gateway to endless possibilities.

At RealWear, we believe that technology should seamlessly blend into our lives, enhancing our experiences and capabilities. With the Arc 3, we've achieved a remarkable fusion of cutting-edge hardware and intuitive software to bring you an unparalleled AR experience.

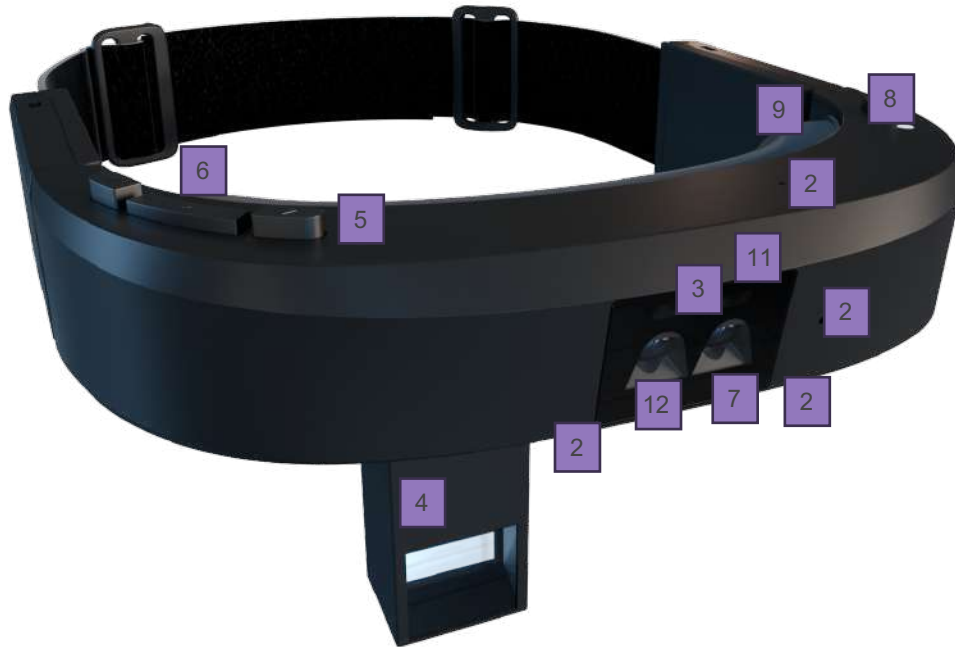
This user manual is your comprehensive guide to unlocking the full potential of the RealWear Arc 3. We'll walk you through setup, operation, maintenance, and more, so you can embark on your AR journey with confidence. Welcome to a new era of augmented reality. Welcome to the RealWear Arc 3.

1.1 Box Contents

The contents in the RealWear Arc 3 box are as follows:

- RealWear Arc 3 device
- USB-C cable
- Quick start guide

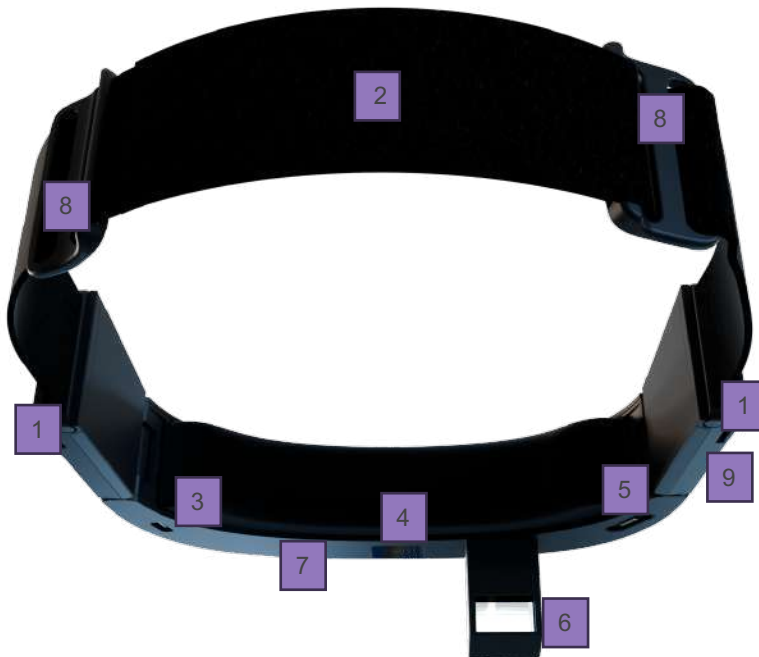
1.2 Know Your Device



Front view

Front view callout definitions

Callout	Definition	Callout	Definition
1	Active camera indicator light	7	Telephoto camera
2	Microphones	8	POWER button
3	Flashlight	9	Padding
4	Optical system	10	Ambient light sensor
5	UP/DOWN buttons	11	Flashlight
6	ENTER button	12	Main Camera



Rear view

Rear view callout definitions

Callout	Definition	Callout	Definition
1	Speakers	5	POGO pins
2	Adjustable straps	6	Optical system
3	USB-C port	7	Microphones
4	Facial camera	8	Strap sliders
9	Touch Bar		

1.2.1 Device Details

1.2.1.1 Power Button

The power button, located on the front of the battery side of the device, does the following:

- Powers ON the device.
- Powers OFF the device.
- Puts the device in sleep mode.
- Wakes the device from sleep mode.

1.2.1.1.1 Up, Down and Enter Buttons

The < (Up) and > (Down) buttons are used for navigating through menus or options. The Enter button is used to confirm or approve selected actions.

The + (plus) and – (minus) buttons next to the Action Button increase and decrease the volume and can be used by developers for other functions.

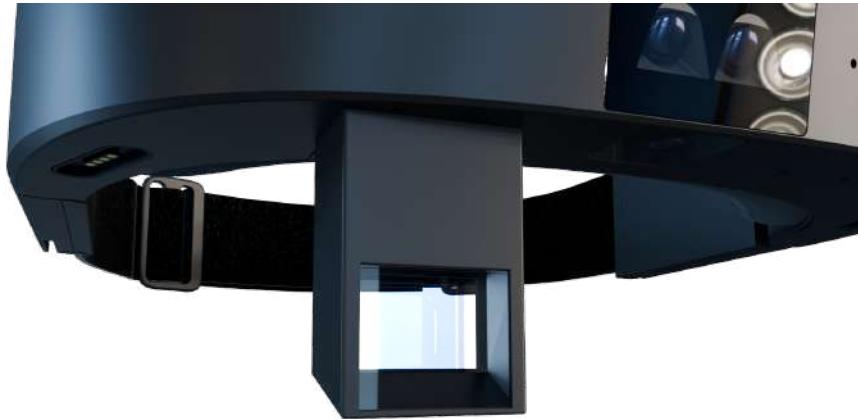


1.2.1.1.2 RealWear Arc 3 Display

This display features a high-performance Micro-OLED panel with full-color capabilities and 95% DCI-P3 color gamut coverage, delivering rich, vibrant visuals with professional-grade color accuracy. Its compact design and exceptional contrast make it ideal for immersive visual experiences in wearable or compact devices.

1.2.1.2 Optical System

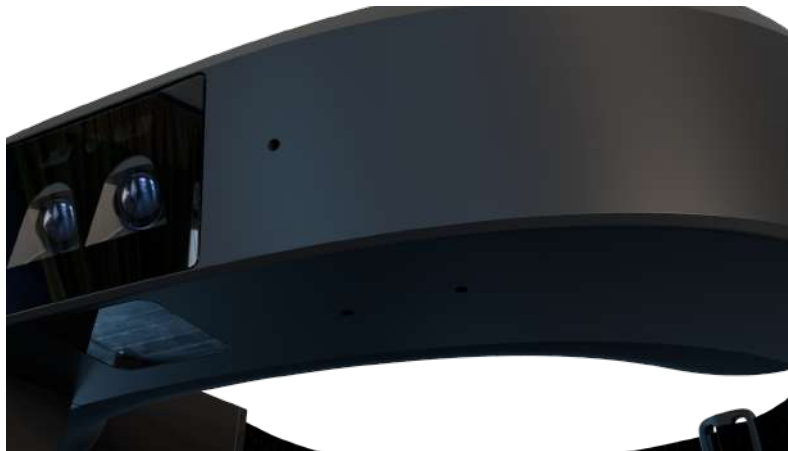
The optical system provides a clear view of the projected image and is aligned by adjusting the position of the entire device on the user's head.



1.2.1.3 Microphone Array

The **RealWear Arc 3** features **four built-in microphones** located on the body of the device. This setup is optimized to deliver **noise cancellation** and ensure the **best possible audio performance** during use.

Note: For optimal results, avoid covering the microphone openings.



1.2.1.4 Speakers

The **RealWear Arc 3** features **two loudspeakers**, with **one located in each arm** of the device.

Important:

Do not cover the **mesh areas** on the **top or bottom** of the speaker covers. Obstructing these areas can negatively affect **audio performance** and **speaker clarity**.



Speakers (on both sides)

1.2.1.5 Battery

The **RealWear Arc 3** is powered by integrated, non-removable rechargeable batteries located in each of the device's arms. Each arm contains **one internal battery**, for a total of **two batteries** powering the device.

You can check the battery charge level through the **optical system**:

- A visual **percentage indicator** is displayed via the optical system, allowing you to assess the remaining battery charge
- When the battery charge in either arm drops below **10%**, a **Red LED next to the power button** will illuminate, signaling the need to recharge.

Note: The batteries are sealed within the arms of the Arc 3 and **are not user-replaceable**.

1.2.1.6 USB-C Port

For all **charging** and **data transfer**, use the **USB-C port** located on the **bottom of the RealWear Arc 3** device.



The output is 5V,1A.

1.2.1.7 Head Strap

The **Head Strap** is designed to provide a secure and comfortable fit for the **RealWear Arc 3**, resting across the user's forehead for optimal support.

To attach the Head Strap:

- **Slide each end** of the strap into the **mounting slots on the battery cases**, located on either arm of the device.
- Once inserted, the strap will lock into place for a stable and balanced fit.

Note: Ensure both ends are fully inserted into the battery case slots before use.



1.2.1.8 Touch Bar

The RealWear Arc 3 has a bidirectional touch bar located in the right-hand side battery arm.

You can use this touchpad to move left or right in screens

Tap once: Select highlighted option

Tap twice: Navigate back



2 Features and Specifications

2.1 Device Features

Device features

Symbol	Definition	Description
	100% hands-free	Voice-based operating system with local speech recognition in loud areas.
	Powerful audio	Integrated speakers for both ears
	Unmatched noise cancellation	Four microphones and advanced algorithms to perform noise cancellation prior to voice recognition.
	PPE compatible	Designed to work with standard hard helmets, bump caps and safety glasses.
	Full-shift internal battery	Field swappable for continuous use.
	Outdoor display	Viewable in bright sunlight.
	Water resistant	IP54-rated protection against rain.
	Dust tight	IP54-rated protection against the ingress of small particles.
	Shock resistant	Resistant to 1-meter drops onto concrete from any angle.
	Built rugged	Fully operational from -20° C to 45° C

2.2 Device Specifications

General	Specification
Operating system	Android 13 (AOSP) + WearHF™ hands-free interface + Enterprise features
Chipset	2.0 GHz 8-core Qualcomm® Snapdragon™ 662 with Adreno 610 GPU - OpenGL® ES 3.2 and OpenCL™ 2.0
Memory	64 GB internal storage / 4 GB RAM
Weight	175 g
Ruggedization	IP54, 1m drop
Dedicated buttons	Power button, Enter Button, + (plus) button, – (minus) button
Operating temperature, humidity	-20° C to 45° C to 95% relative humidity (non-condensing)
Included applications	Document Arc 3, camera with barcode reader, video recorder, webpage viewer, media player,
Languages and dialects supported	Chinese (Cantonese, Simplified, Traditional Mandarin), Czech, Dutch, English (American, Australian, British), French, German, Indonesian, Italian, Japanese, Korean, Polish, Portuguese, Ukrainian, Spanish, Thai
Sign-in options	Companion app,
Connectivity and Sensors	Specification
Bluetooth	Bluetooth® 5.1
Wi-Fi	802.11 a/b/g/n/ac – 2.4 GHz and 5 GHz
IMU – Head movement tracking	Three IMUs (including 3-axis accelerometers, gyroscopes)
Battery	Specification
Capacity	2000 mAh, Li-polymer, rechargeable
Security	Specification
Security	Qualcomm® trusted execution environment, crypto engine, secure boot
Arc 3 Display	Specification
Type	Micro-OLED, Full-Color/ DCI-P3, 95%
Resolution	FullHD 1080p .

Audio	Specification
Microphone	• Four digital microphones with active noise cancellation • Accurate voice recognition in noise up to 100 dBA
Speaker	Internal 94 dBA loudspeakers
Camera	Specification
Image	48 MP sensor, PDAF with LED flashlight
Video	• Up to 1080p at 60 fps, > 6X zoom in HD, video stabilization • Codecs: VP8, VP9, H.264, H.265 HEVC
Compatibility	Specification
PPE	Works with many hardhats, protective eyewear, masks, and more
Warranty	Specification
Warranty	1-year warranty
Extended service and support plans	Available
Accessories	Specification
Included	USB-C charging cable
Cloud services	Specification
Foresight	Accelerates centralized deployment and management of devices

2.3 Software Brief

RealWear Arc 3 software is optimized for safe and secure jobs, taking hands-free to new heights of productivity and connectivity.

2.3.1 Android Enterprise Support

All RealWear Arc 3 devices can be managed by either RealWear Foresight or by an Enterprise Mobility Management (EMM) system. Android Enterprise standards allow for device management of RealWear Arc 3 by most EMM providers.

Go to www.realwear.com/support for information on currently supported EMM providers or contact your provider directly.

2.3.1.1 EMM Enrollment

To enroll your device in an EMM, do the following:

1. From the home screen, say “MY PROGRAMS”.
2. Say “CONFIGURATION” or “SELECT ITEM SEVEN”.
3. Use the RealWear device camera to scan the QR code generated by your EMM system.

Android enterprise standards

Type	Standard	
Core functions	Operating system	Android 13 AOSP (Android Open-Source Project).
Usability	Optimized UI	- Voice commands utilized for intuitive hands-free control. - Easy access to core Android capabilities, such as Notifications and device settings.
	Keyboard	- Fully hands-free keyboard with gestures and voice. - Standard keyboard. - Secure Entry mode enables hands-free password entry without compromising security. - Full dictation for improved productivity. - ABC Mode keyboard entry.
	My Controls	Commonly used controls accessible from any activity.
	My Files	- Browse and sort files using clear, simple navigation. - Read full filenames. - Large thumbnails. - Delete files.
	Document Viewer	Access PDF files easily with full zoom, pagination controls. Create and use your own bookmarks for quick reference.
	Media player	Native playback support for audio and video files built into My Files.
Customization and configuration	Centralized WearHF configuration	OS level and app level customization and configuration. Default values and preferences can be stored in a common configuration space and updated, refreshed, or managed for easier deployment and support.
	Cloud services	Fully manageable by RealWear Foresight Cloud or select EMM providers.
	Language	Software support and voice recognition for 17 languages. Dynamic and individual language strings can be adjusted or improved by administrators or by Over the Air (OTA) updates.
Most advanced camera system for harsh environments	Hands-free for industry	Command and control all features while keeping your hands free for work.
	Barcode reader	Built-in code reading software to handle most barcode formats.
	Preview	Instant preview of photos and videos.

Type	Standard	
	Smooth transitions	Seamless experience from “MY CAMERA” to “MY PHOTOS” and “MY MEDIA”.
	Low light performance	Proven performance in low light settings and situations.
	Field of View (FOV)	Wide angle range or standard range: - Standard: Improves visibility of camera view when used with a baseball cap. Enhanced zoom to provide even more magnification for small or far away subjects. - Wide: Full width of camera view is captured.
	Focus and exposure	Switch between Autofocus or Manual Focus at any time. Lock focus and exposure to one of 9 points in the frame for better photos in non-ideal lighting conditions.
	Image and video stabilization	Automatic image and video stabilization allows more accurate remote mentoring, compliance, and inspections. This feature is enabled by default but can be disabled by the end user.
	Flashlight	Flashlight functionality can be controlled directly from My Camera or My Controls. Flash settings for photos are On/Off/Auto.
	Camera controls (MORE OPTIONS)	- Exposure level - Flashlight controller - Aspect ratio 16:9 and 4:3 - Image resolution high and low - Video resolution high and low - Frame rate 15, 25, 30 - Video Stabilization On or Off - Picture preview - Manual focus - Field of view narrow and wide - Direct access to your photos and video

2.4 Device Connectivity

2.4.1 Operating Frequency Bands

This radio equipment operates with the following frequency bands and maximum radio-frequency power :

Operating Mode	Operating Frequency Range		Maximum Transmit Power (EIRP) dBm
	TX(MHz)	RX(MHz)	
Bluetooth	2402 - 2480		15.52
WLAN 2.4GHz	2412 - 2472		16.06
WLAN 5GHz Band 1	5150 - 5250		16.24
WLAN 5GHz Band 2	5250 - 5350		16.11
WLAN 5GHz Band 3	5470 - 5725		16.16
WLAN 5GHz Band 4	5725 - 5850		12.97

2.4.2 5 Gigahertz Wi-Fi Connection Information

Operations in the 5.25 to 5.35 GHz band are restricted to indoor use only.

	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK(NI)

2.4.3 Bluetooth

The Bluetooth type used is Bluetooth® 5.1.

3 Set Up and Configuration

This chapter provides instructions for both an IT administrator (IT admin) and Front Line Worker (FLW) to set up and configure RealWear Arc 3 easily and efficiently.

3.1 Charge the battery

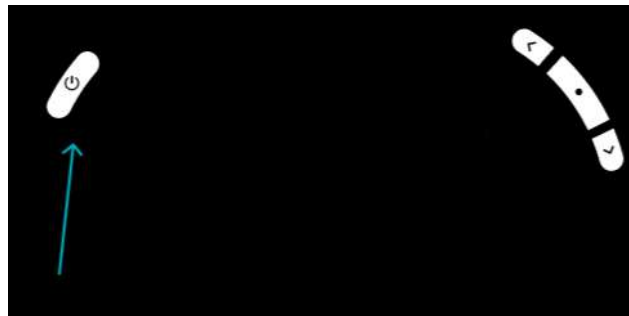
Locate the provided USB charging cable that came with your AR glasses and connect to a Power Source.

Plug one end of the charging cable into the USB port on your AR glasses. Then, connect the other end to a compatible power source. You can use a USB wall adapter, a computer USB port, or a portable power bank for charging.

The power delivered by the charger must be between min 5 Watts required by the radio equipment, and max 15 Watts in order to achieve the maximum charging speed.

3.2 Turn on and position the device

In order to start configuring your device, either for your own use or someone else's, press and hold the power button for approximately 3 seconds.



The power button is located on the left side of the device.

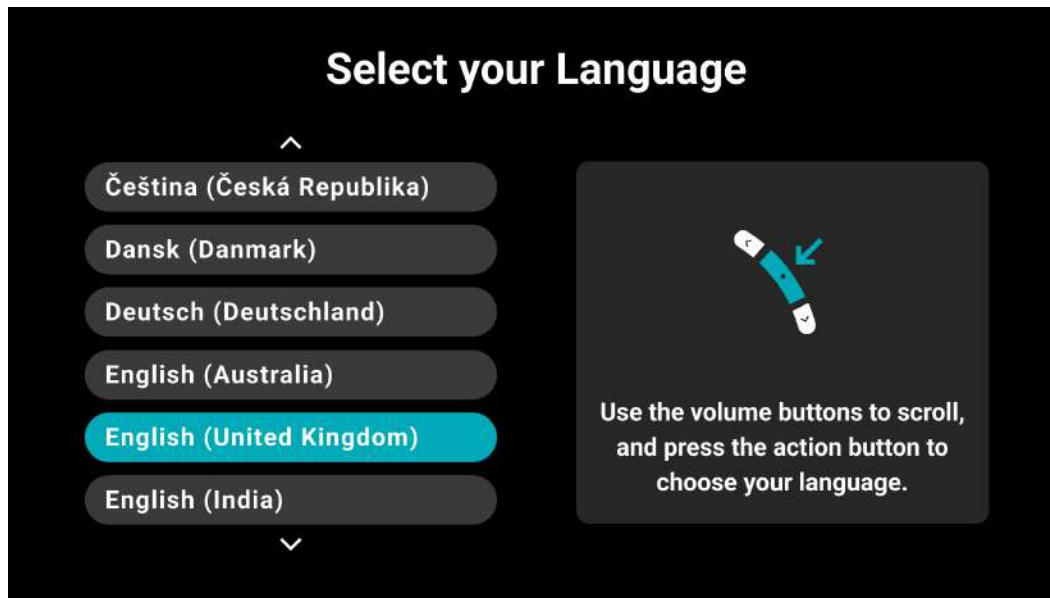
Place the Arc glasses on your head and adjust the side strap for a secure fit

To view the AR content clearly through the optical system, make sure the device is positioned correctly. Adjust the device's position on your head by moving it slightly up, down, left, or right until the image is fully visible and aligned with your right eye.

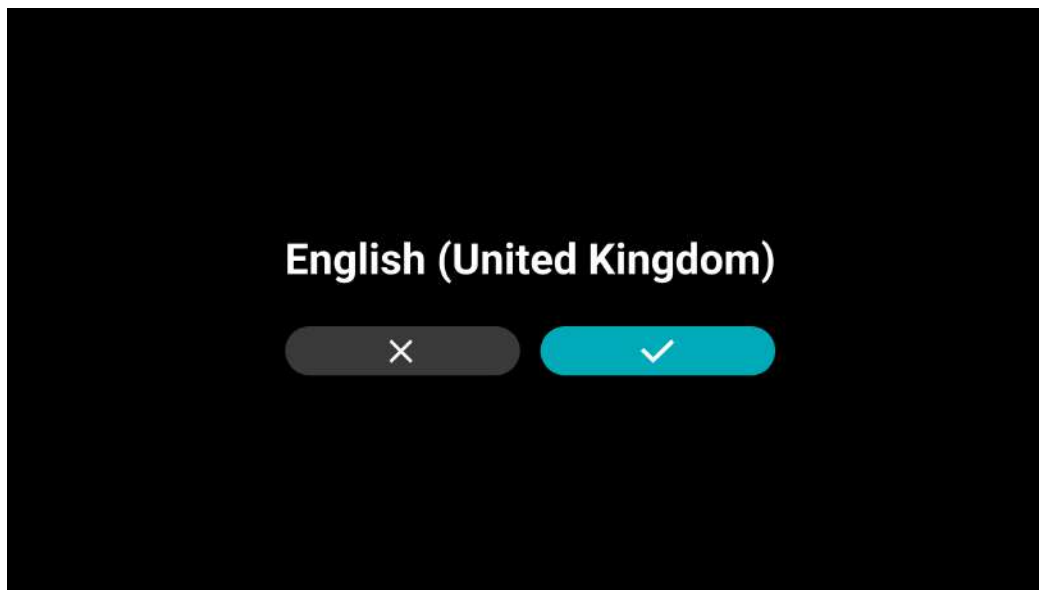
The goal is to have the entire augmented reality image within your right eye's field of view. Find a comfortable position for your AR glasses that allows you to maintain clear vision without strain or discomfort.

3.3 Select a language

After turning on the device, you will be presented with the Language Selector Screen, where you can choose from many different supported languages. This setting represents the language in which most things will be presented to you on the device.

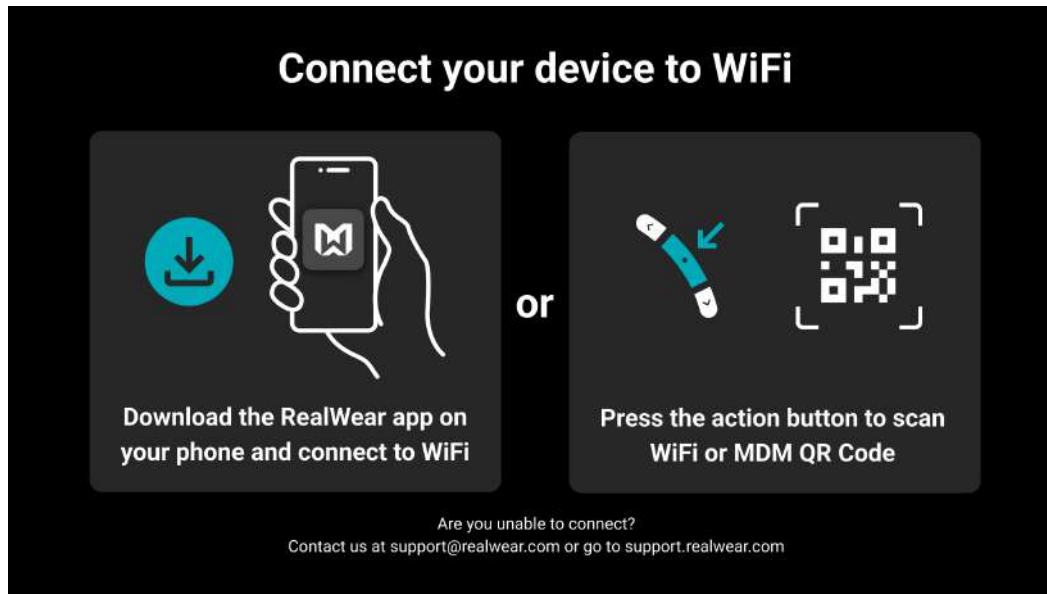


When selecting your desired language, press the action button again to confirm your selection:



3.4 Connect to WiFi

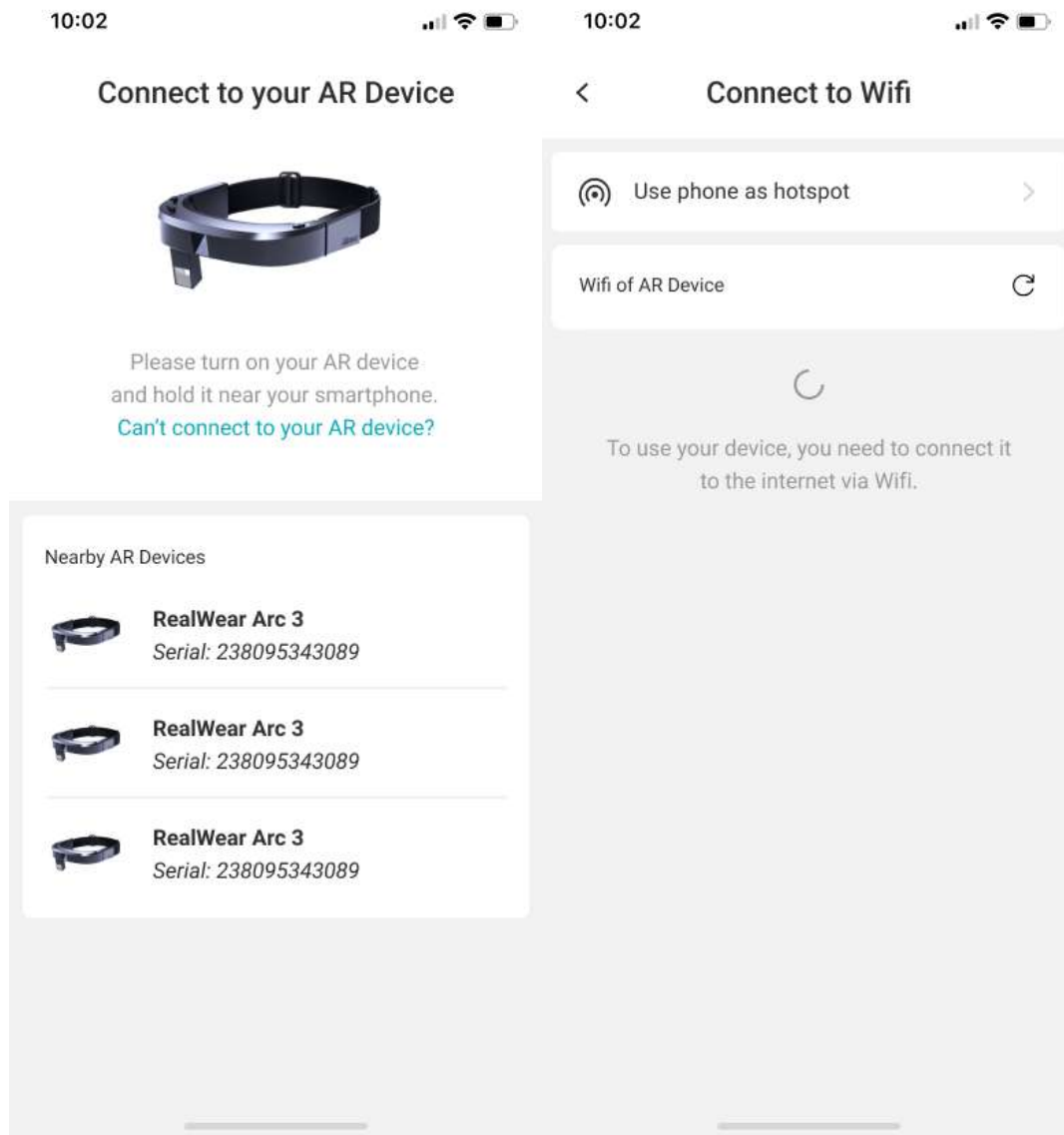
Next, your device requires a WiFi connection in order to function properly. The Connect to WiFi screen describes the multiple ways in which you can achieve that:



	IMPORTANT
!	RealWear recommends using the mobile app if you have a mobile device available. Use your RealWear device if you do not have access to a mobile device.

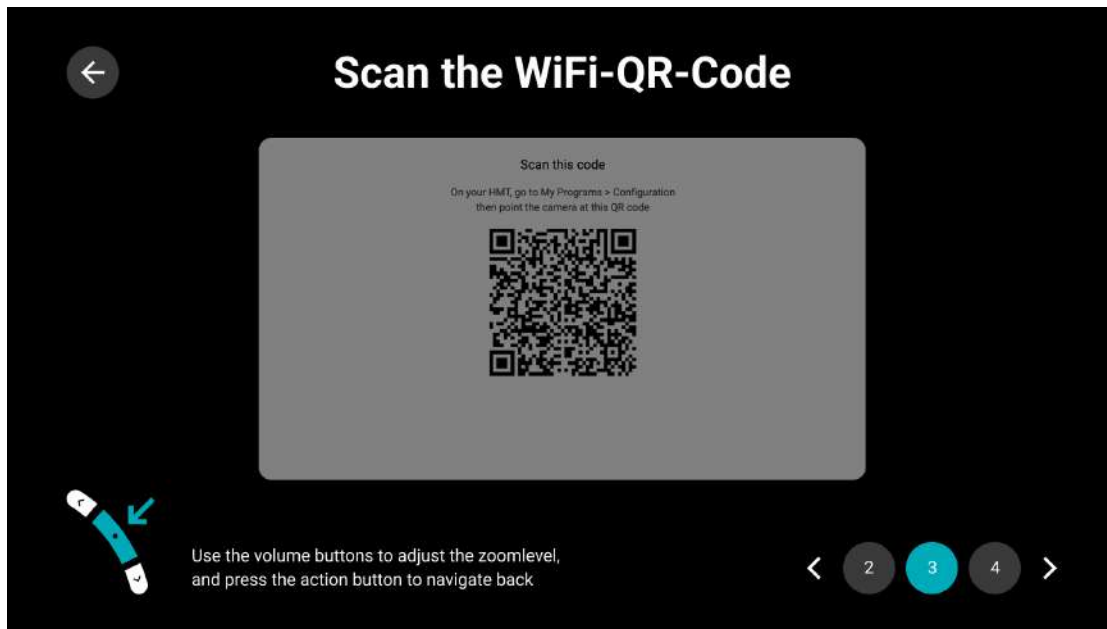
3.4.1 The Ari Companion app

Once you have downloaded and installed the RealWear Ari Companion app (available on the Google Play Store and iOS App Store), follow the instructions to connect your RealWear Arc 3 to the app and subsequently to WiFi.



3.4.2 Scanning a WiFi QR code

If you want to directly scan a WiFi QR code, you can get one from your phone's WiFi settings if you are already connected to the desired network or from:



3.4.3 Scanning an MDM QR Code

If you instead wish to provision your device via an MDM (Mobile Device Management), you need only replace the WiFi QR code with an MDM provisioning QR code. Read more at:

support.realwear.com/knowledge/supported-enterprise-mobility-management-providers

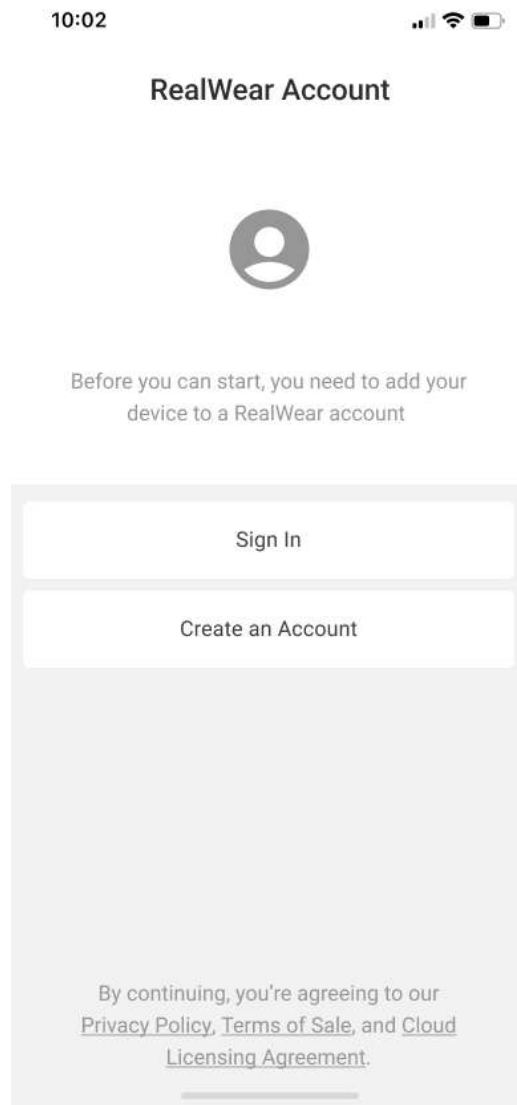
3.5 RealWear Cloud

After connecting the RealWear Arc 3 to Wi-Fi, the last step needed to finish the Set Up process is to connect to RealWear Cloud. This allows RealWear to confirm the device is genuine and allows users to do the following:

- Manage devices individually / in groups
- Install apps
- Update firmware
- View device reports

For instructional videos on how to use RealWear Cloud with your device, go to <http://www.realwear.com/getstarted>.

If you chose to connect to WiFi via the RealWear app, you will be directly prompted to also connect to RealWear Cloud:



If you instead chose one of the scanning options, the device will attempt to connect to RealWear Cloud and validate its identity without you needing to do anything.

4 Settings and Storage

4.1 Bluetooth Setup

Connect RealWear Arc 3 to other Bluetooth devices, in Bluetooth primary or Bluetooth secondary modes.

- In Primary mode, RealWear Arc 3 can connect to audio devices such as Bluetooth earpieces and Bluetooth speakers.
- In Secondary mode, RealWear Arc 3 can connect to mobile phones and act as a Bluetooth microphone/headset for the phone.

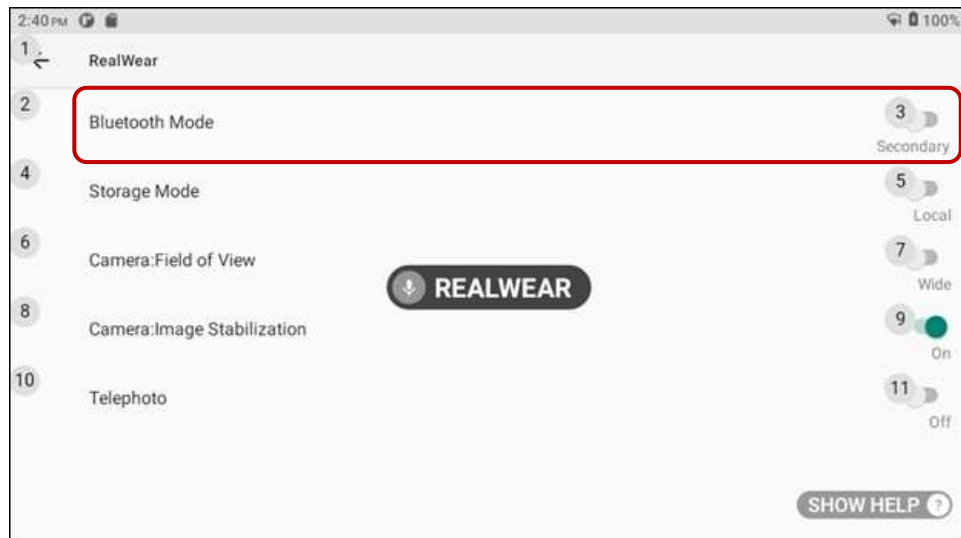
To change the Bluetooth mode, do the following:

4. From the home screen, say “MY CONTROLS”.
5. Say “SETTINGS”.



“MY CONTROLS” command

6. Say “PAGE DOWN” until the RealWear setting is listed.
7. Say “REALWEAR” or “SELECT ITEM #”.



"REALWEAR" command

8. Bluetooth Mode settings will appear. Secondary is active by default. Say "BLUETOOTH MODE" to toggle between Primary and Secondary modes.

4.2 Wireless Firmware Update

Your device is configured to keep its Operating System (OS) up to date via Over-the-Air (OTA) updates distributed by RealWear. The RealWear Arc 3 will not update automatically.

	WARNING
	RealWear recommends you avoid excessive operations and install firmware updates at a time when you are not using your RealWear Arc 3.

	IMPORTANT
	RealWear Arc 3 must have a battery charge of at least 30% to install updates. If your battery does not have a sufficient charge, plug your RealWear Arc 3 into the USB-C charger and charge your device to at least 30% to continue with any updates.

To download and install a wireless firmware update, do the following:

1. Make sure RealWear Arc 3 is connected to a Wi-Fi network.
2. From the home page, say "MY PROGRAMS".
3. Say "WIRELESS UPDATE".

Note: If the user message "Your device's software is currently up to date" appears, you have the latest update. If the user message does not appear, go to step 4.

4. Say "CHECK FOR UPDATES".

Note: If a firmware update is available, the update details appear on the display.

5. Say "DOWNLOAD".
6. Wait for the download to complete.

Note: When the download is complete, you can choose to install the firmware update now or schedule the update later.

7. To install the update now, say "INSTALL NOW".
8. To install the update later, do the following:
 - a. Say "INSTALL LATER to schedule the update later.
 - b. A popup message appears.
 - c. Say one of the following commands to select the update time:
 - "ONE HOUR LATER"
 - "FOUR HOURS LATER"
 - "EIGHT HOURS LATER"

5 Interacting with Your Device

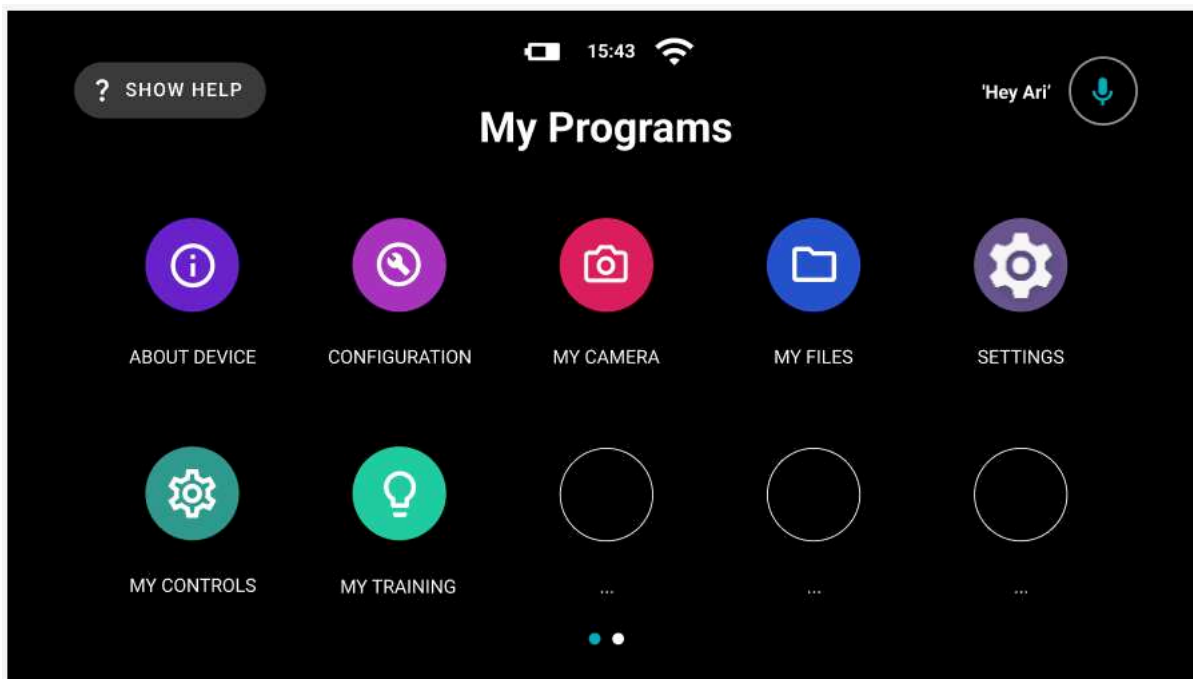
5.1 WearHF™ Voice Control

WearHF™ is an innovative software solution that allows you to use your RealWear Arc 3 as a hands-free device. It is easy to use and loaded with intuitive functions.

5.1.1 “Say What You See” Speech Recognition

RealWear Arc 3 devices operate based on speech recognition. Instead of pressing or tapping a control button on the screen, all you need to do is speak the name of the respective control. RealWear Arc devices use the latest technology for advanced noise cancellation and speech recognition which work even in the harshest noisy environments. It can recognize many different languages and accents and can detect the command even if you speak in a low voice.

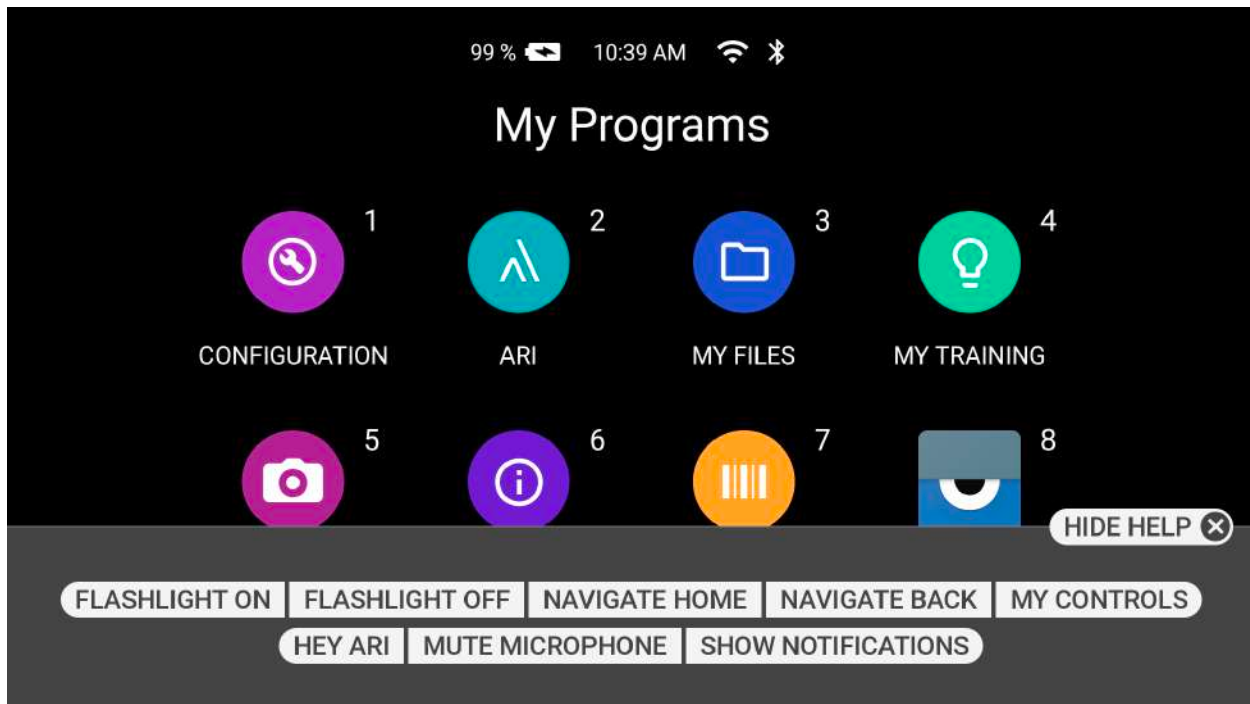
All the commands associated with the specific screen should be displayed clearly on the screen, usually in ALL CAPITAL LETTERS. You can operate the device by speaking the name of any control. For example, the Home Screen has large icons with respective names such as "MY PROGRAMS" or "MY FILES". To access these applications, you can say the application name and the corresponding screen is launched.



Home screen

5.1.2 Anytime Access Help

You can access the help information regarding the commands associated with a particular screen using the “SHOW HELP” command. The “SHOW HELP” command is displayed on all the screens. The help screen is displayed as a pop-up window. You can either say the command you desire or say “HIDE HELP” to close the pop-up window. Even when the help window is closed, RealWear Arc 3 will continue to listen for and respond to those commands.

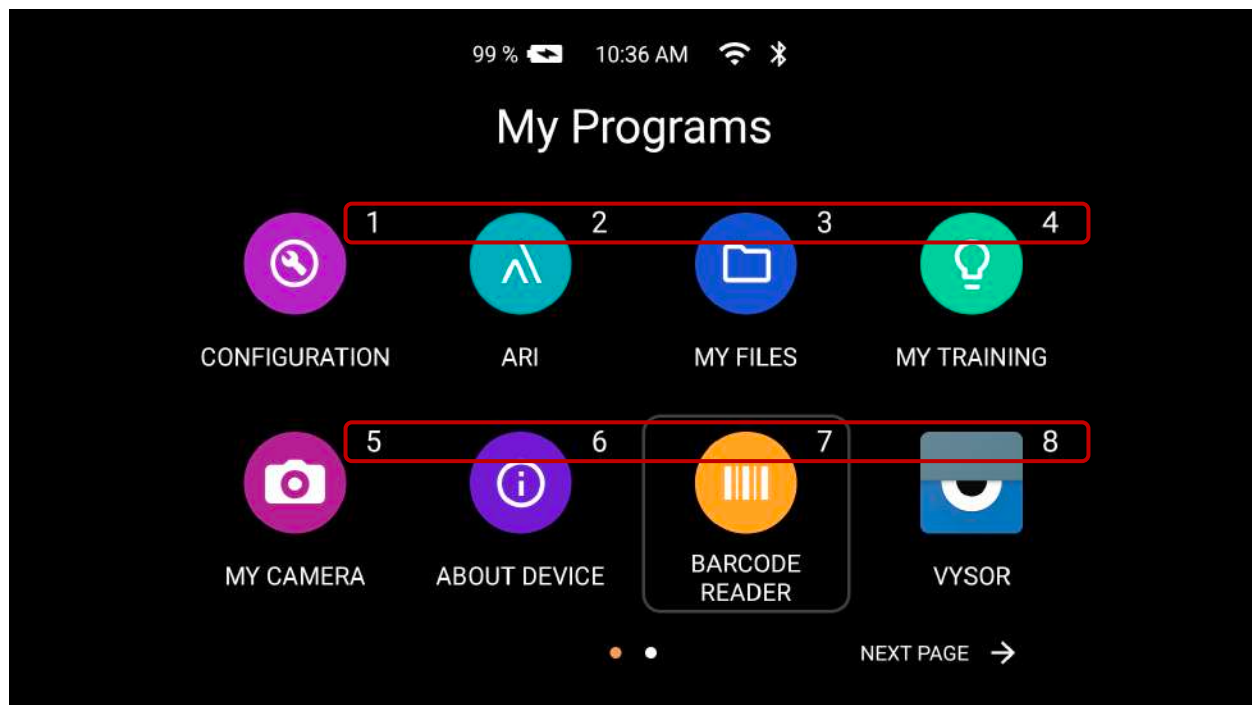


“My Programs” Menu

5.1.3 Alternate Speech Recognition

Sometimes, the control on the screen has no name, is a scroll button without a label, or is a file with an unpronounceable filename such as 3454-x.pdf. WearHF™ automatically proposes an alternative speech command and assigns a number. This number is displayed next to the respective control on the screen. To recall the specific control numbers for that screen, say “SHOW HELP”. To select a specific control, use the number assigned to it. For example, you can say “SELECT ITEM 1” to select the item associated with number 1.

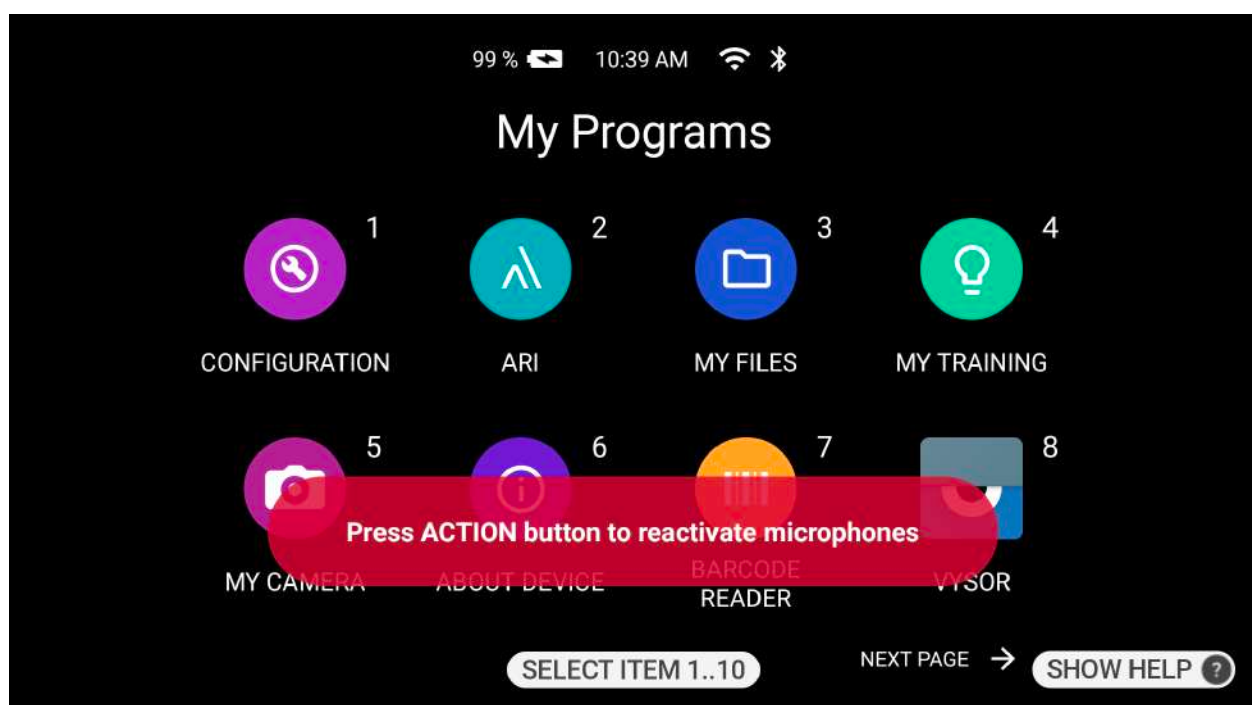
Note: Some command numbers might be hidden by a “SHOW HELP” command. It may bring up both the command label popup and the alternative speech command numbers. When you say, “HIDE HELP”, the command numbers will remain on the screen for a moment in order to see those items behind the pop-up window.



Command numbers

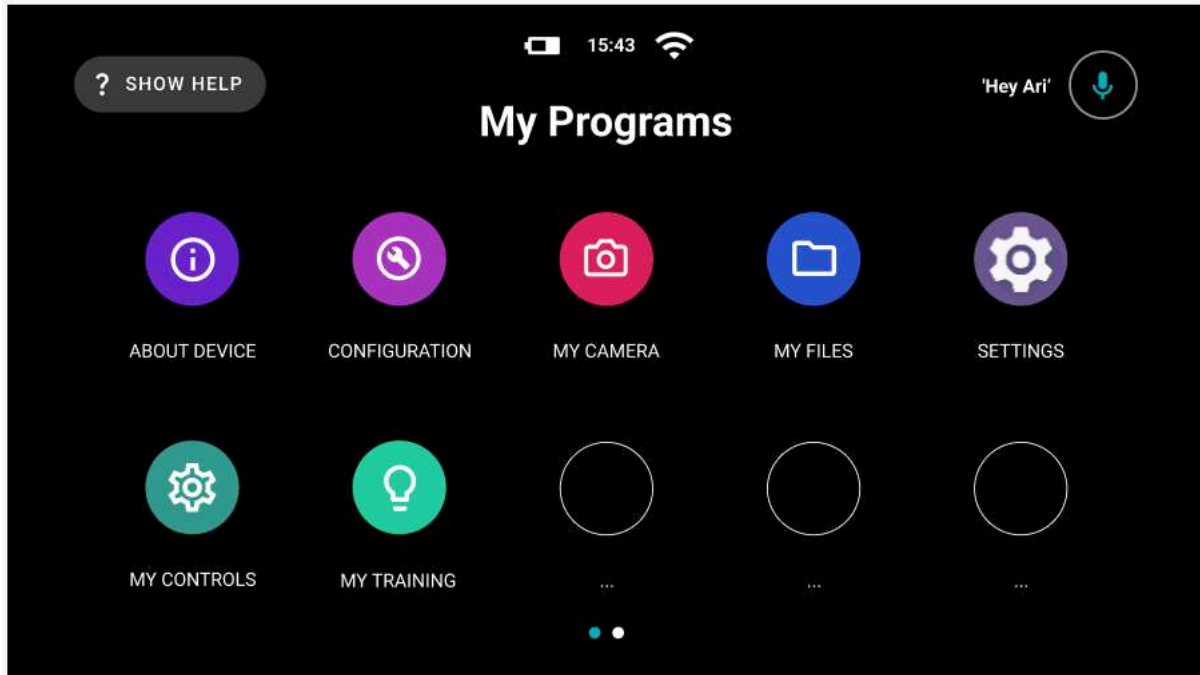
5.1.4 Mute Microphone

To stop the speech recognizer, say “MUTE MICROPHONE”. The device will not respond to your voice commands while the microphone is muted, and the user message “Press ACTION button to reactivate microphones” appears in red.



“MUTE MICROPHONE” command

To restart the speech recognizer, press the Action button on the side of the device. The user message “Start listening” appears in green.

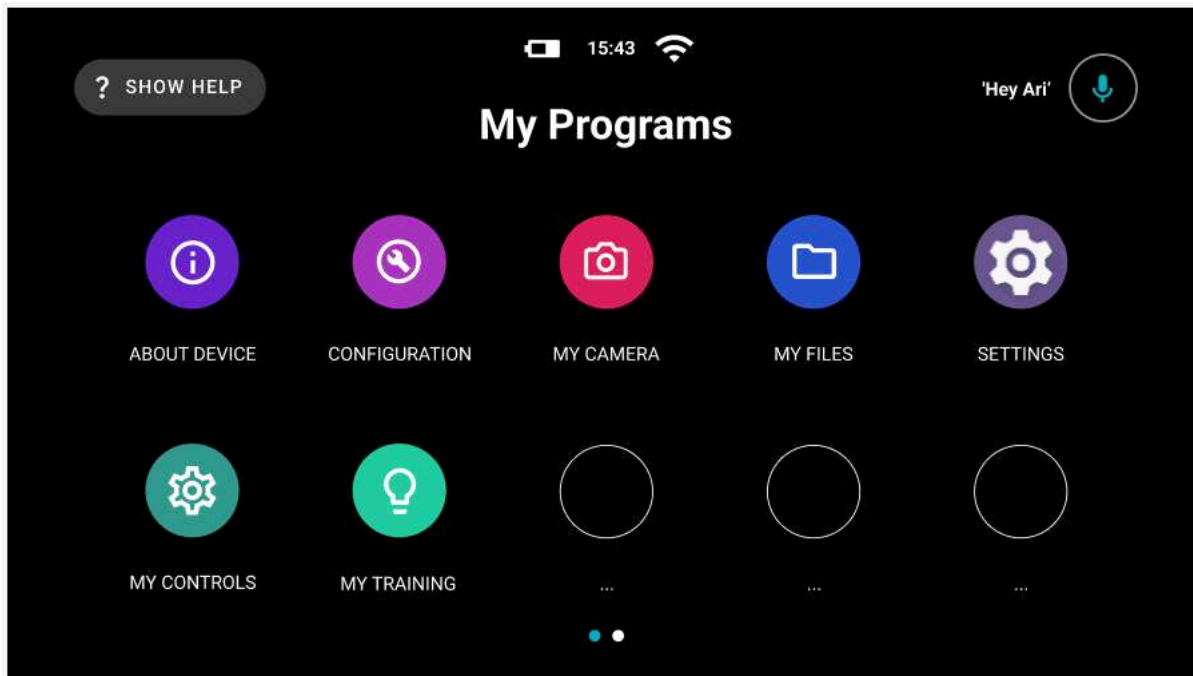


Microphones active

5.2 Microphone Settings

The front microphones are built into the display pod and provide optimal noise-cancellation. If using RealWear Arc 3 with the display moved out of your line of sight, you can use rear microphones built into the frame of RealWear Arc 3.

To toggle between front and rear microphones, press the Action Button three times quickly. When the rear microphones are active, an audio notification is played, and a message is displayed on the screen. When the front microphones are active, another audio notification is played the message is removed.



Using rear microphones

5.3 Page Scrolling

RealWear Arc 3 can scroll pages both horizontally and vertically. To scroll pages horizontally, slowly turn your head left or right. To scroll pages vertically, say "PAGE UP" or "PAGE DOWN".

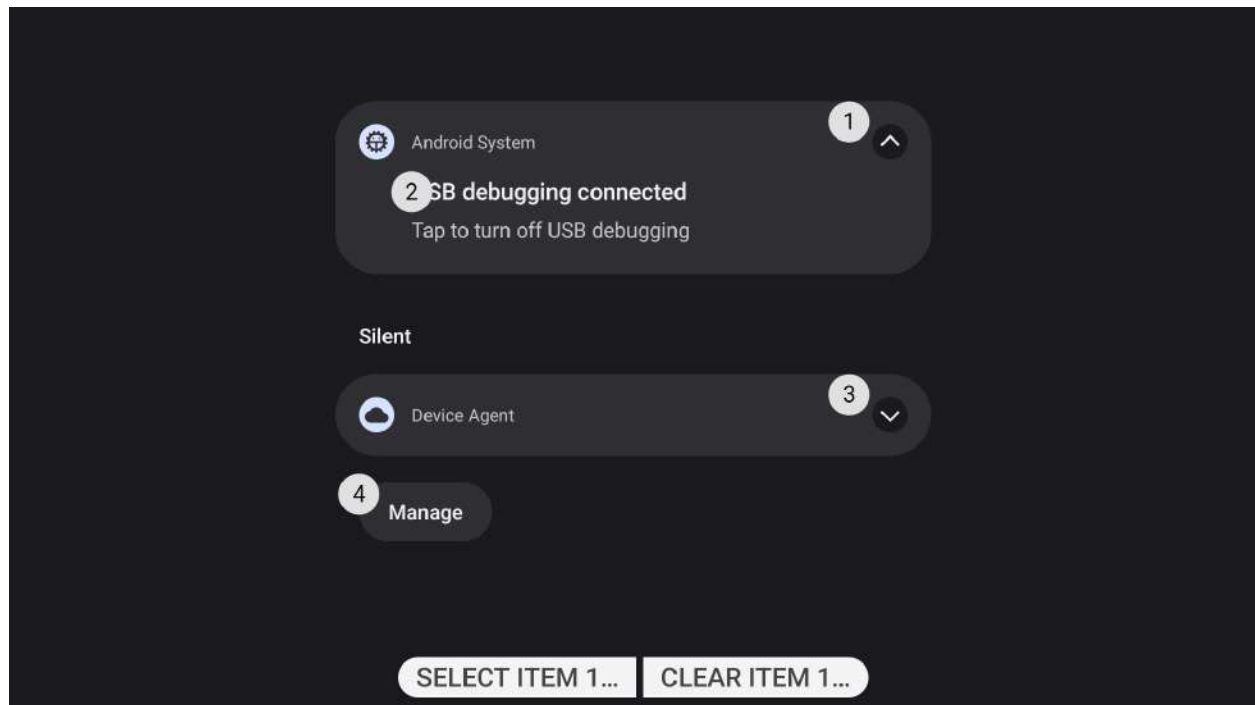
Note: Head movement is not available for vertical page scrolling.

Page scrolling voice commands

Voice Command	Action
"PAGE UP"	Navigates one page up.
"PAGE DOWN"	Navigates one page down.
"SHOW HELP"	Displays a pop-up window with help commands.

5.4 Notifications

Notifications are actionable messages sent from the operating system and applications. To access notifications, say "SHOW NOTIFICATIONS". The Notifications panel will display above the current screen. To close the Notifications panel, say "HIDE NOTIFICATIONS". Recent notifications are presented as items in a list.



“SHOW NOTIFICATION” command

Each notification in the list will include the following:

- Item number
- Notification details
- Notification source
- Notification title/headline

You can open a notification by first selecting it, say "SELECT ITEM #". When selected, say "OPEN" to view. When a notification is opened, a more detailed view is displayed. From this view, specific actions can be taken. As a reminder and quick reference - when on the RealWear Arc 3 Home Screen, the number of notifications will be displayed in the top left corner.

Notifications voice commands

Voice Command	Action
"SELECT ITEM #"	View a specific notification.
"SHOW NOTIFICATIONS"	Opens the list of notifications.

5.5 Device Buttons

5.5.1 Action Button

The Action Button, found in the My Controls menu, allows a RealWear Arc 3 user to change the result of a single press of the Action Button. The Action Button control is present in My Controls and set to Home Screen mode. Saying "ACTION BUTTON" while in My Controls will activate a selection for the RealWear Arc 3 user. "HOMESCREEN" and "NOISE CAPTURE" are the two options and the text below the ACTION BUTTON command shows the current setting. In the example above, the current state is HOMESCREEN and the command "NOISE CAPTURE" may be selected.

When set to Noise Capture mode pressing the Action Button will alternatively disable or enable the noise cancellation ability of the RealWear Arc 3, allowing external noise to be captured in video/audio transmission and recordings. A single press of the Action Button enters Noise Capture mode (and disables noise cancellation); this displays a warning on the screen while active and voice commands will not be recognized. Another single press of the button reinstates noise cancellation and restores voice command ability. Voice commands are disabled because non-noise captured sound will usually launch unwanted commands.

5.5.2 + (Plus) and – (Minus) Buttons

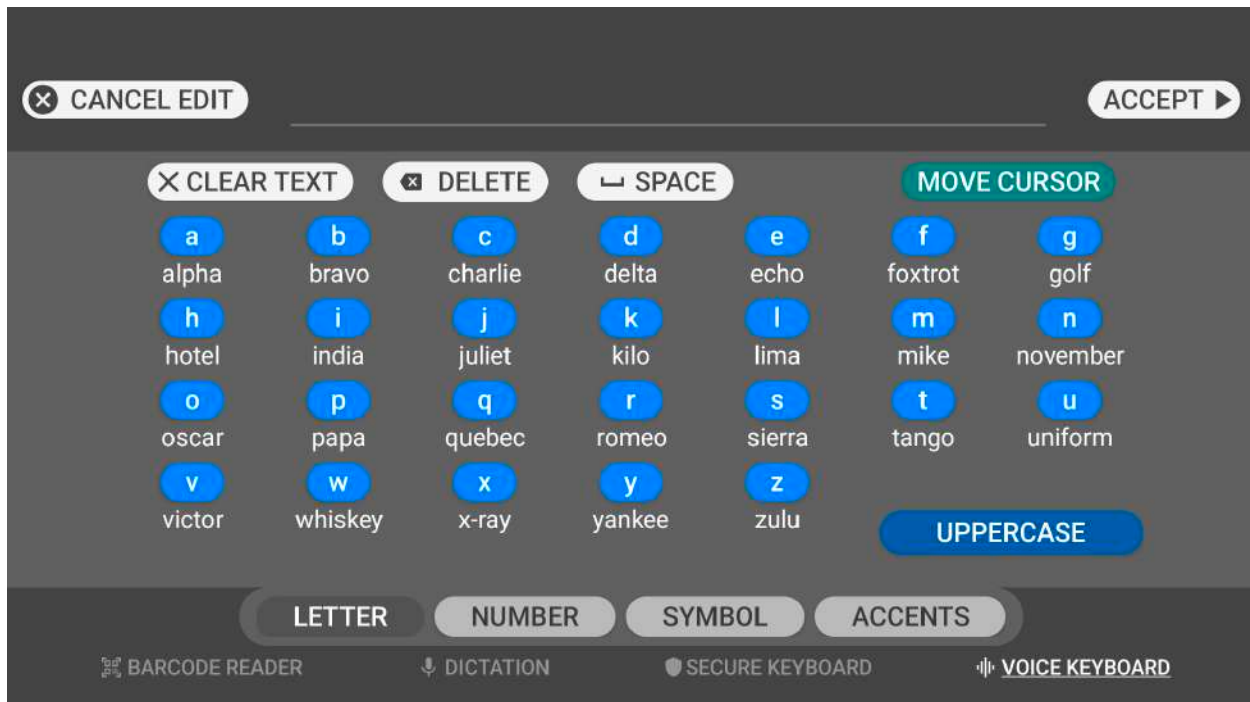
Use the + (plus) and – (minus) to navigate menus and adjust the RealWear Arc 3 volume.

5.6 Speech Keyboard

Speech Keyboard is the default method by which text may be entered into a text field using RealWear Arc 3. When a text entry screen is brought into focus or selected, the hands-free keyboard is displayed overlaying part of the application.

Speech keyboard provides various input methods:

- Remote keyboard
- Dictation
- Secure keyboard
- Voice keyboard
- Barcode reader



Speech keyboard

Speech keyboard commands

Voice Command	Action
"ACCEPT"	Accepts the entered information and navigates to the next page in sequence.
"BARCODE READER"	Allow users to scan QR code for text entry.
"CANCEL DICTATION"	Close the Dictation window.
"CANCEL EDIT"	Close the text edit window.
"CLEAR TEXT"	Clear the text in the input box.
"CLOSE DASHBOARD"	Close the keyboard options.
"DELETE"	Delete the last text character entry.
"DICTATION"	Activates dictation and allows user to enter text based on speech recognition.
"LETTER"	Toggles to the Letter Keyboard.
"LOWERCASE"	Toggles to lower case letters.
"NUMBER"	Toggles to the Number Keyboard.
"SECURE KEYBOARD"	Toggles to Secure Keyboard mode.
"SELECT"	Selects the highlighted character in Secure Keyboard mode.
"SHOW HELP"	Displays pop-up window with the help for commands associated with the current screen.
"SPACE"	Insert a single space.
"SYMBOL"	Toggles to the Symbol Keyboard.
"UPPERCASE"	Toggles to upper case letters.
"VOICE KEYBOARD"	Toggles to Voice Keyboard mode.

5.6.1 Dictation

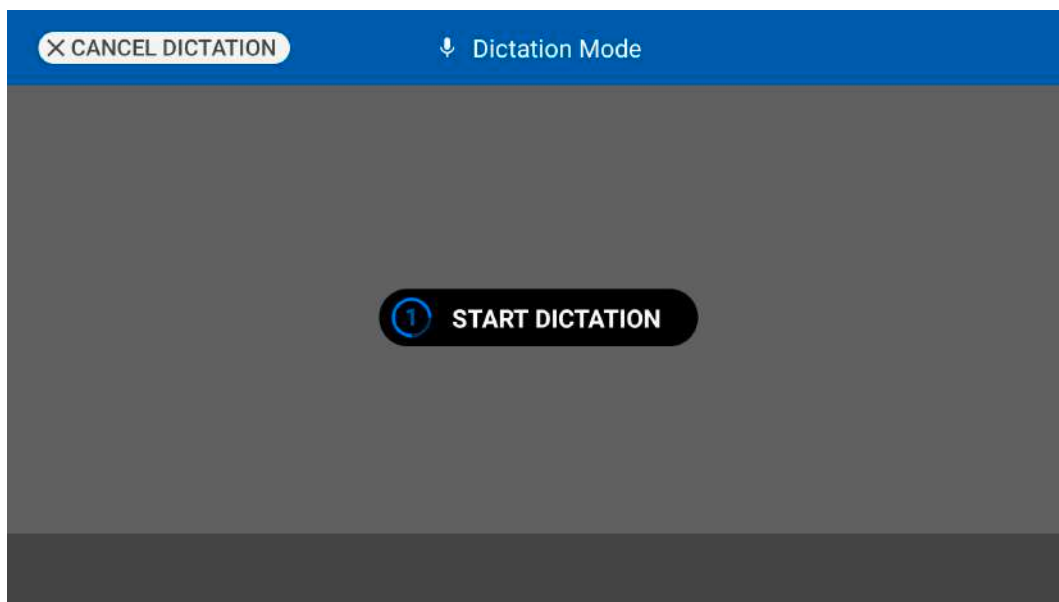
Dictation is cloud-based for all languages, so an internet connection may be required. Some languages support local dictation as well. To toggle local and cloud-based dictation, say "MY CONTROLS" and then say "DICTATION". Go to www.realwear.com/support for more information.

Note: If the keyboard becomes hidden or accidentally closed, use the "SELECT ITEM #" command to select the text field again and the speech keyboard will reappear.

Note: If entering a password for Wi-Fi authentication, simply say "PASSWORD" to activate the speech keyboard.

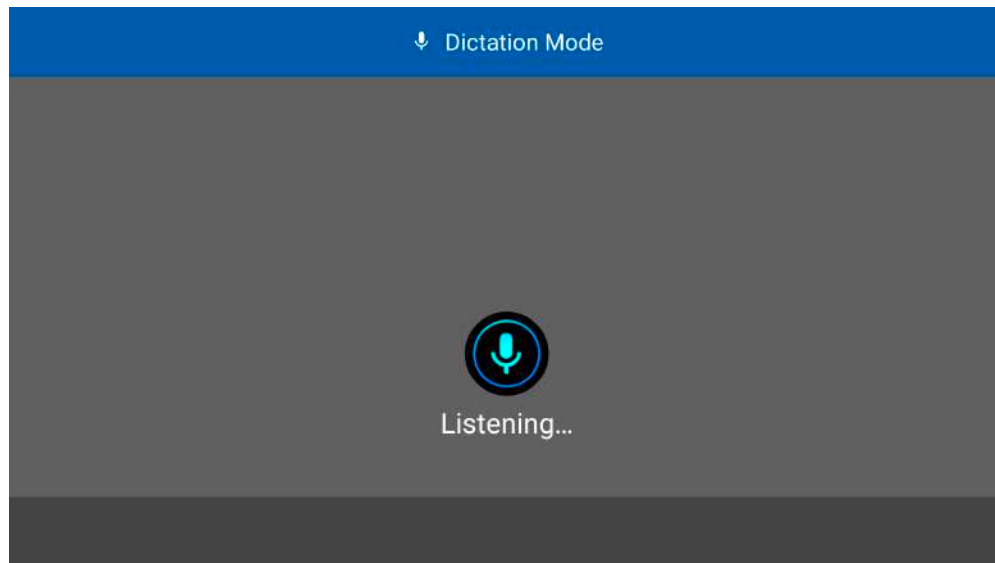
To use Dictation, do the following:

9. Say "DICTATION". The **START DICTATION** countdown timer appears at the bottom of the display.



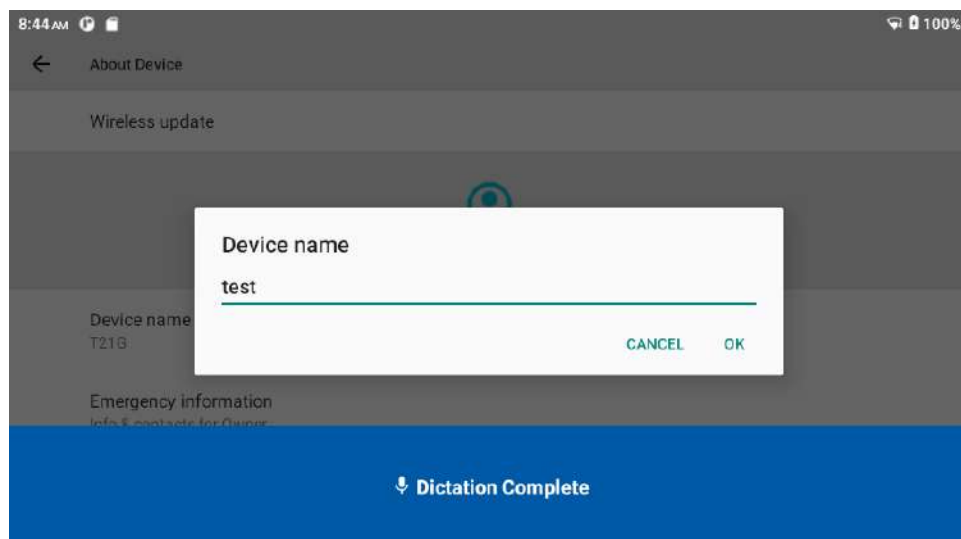
"DICTATION" command

10. After the countdown timer finishes, RealWear Arc 3 listens for text. Speak quickly and clearly.



Listening for text

11. The text appears in the text field and the user message “Dictation Complete” appears at the bottom of the display.



Dictation complete

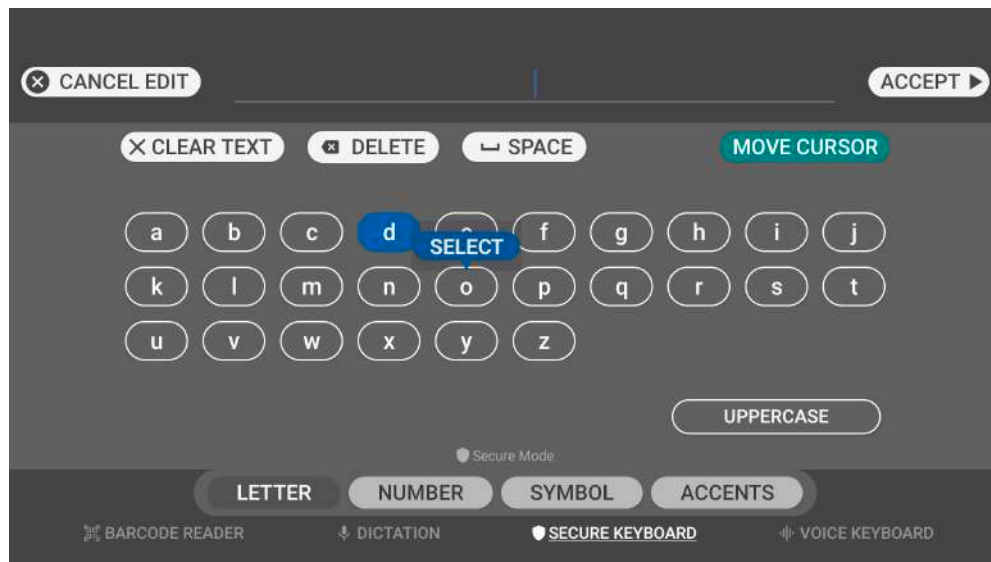
12. Say “OK” to accept the entry and close the text window.

5.6.2 Secure Keyboard

The Secure Keyboard allows only vertical and horizontal head movement to select letters, numbers, and symbols.

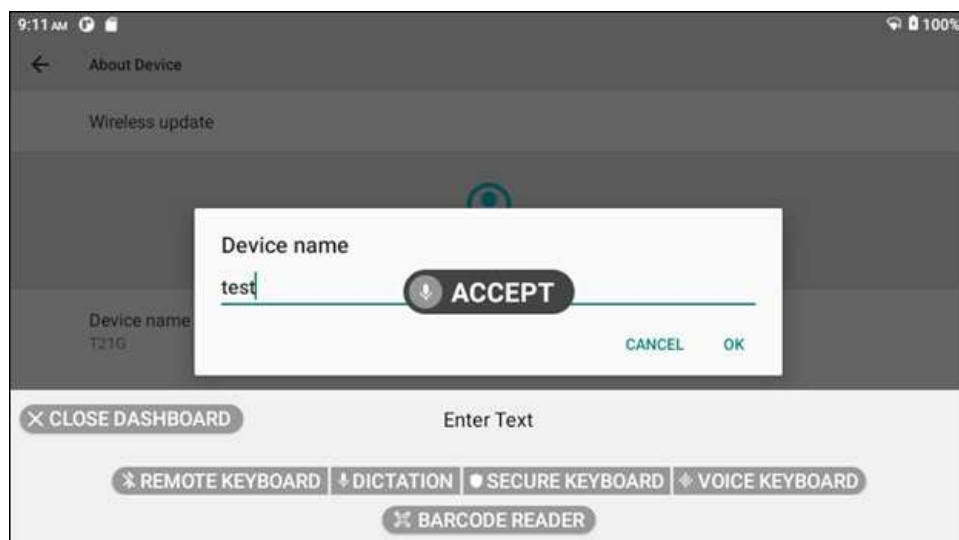
To use the Secure Keyboard, do the following:

13. Say "SECURE KEYBOARD".
14. Move your head to highlight the desired character and say "SELECT".



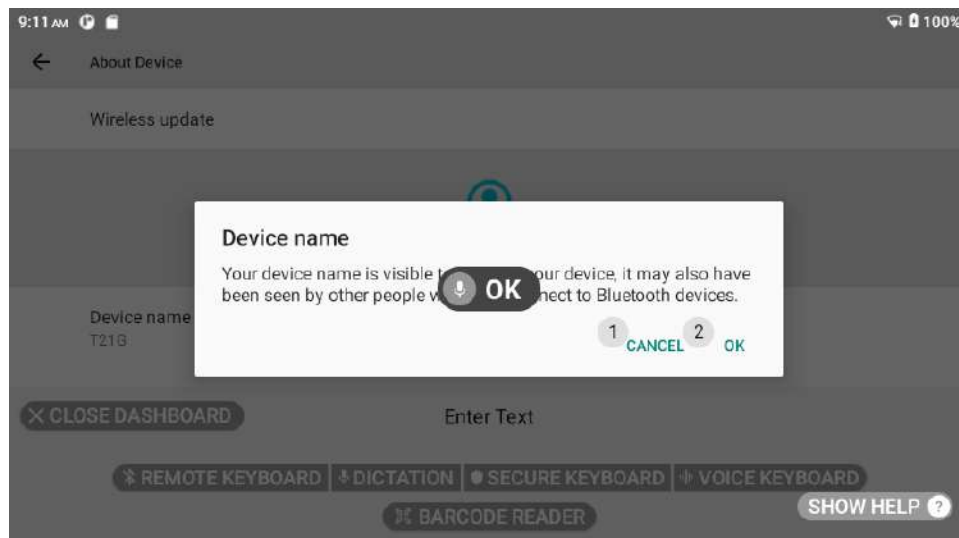
"SELECT" command

15. After the text is entered, say "ACCEPT".



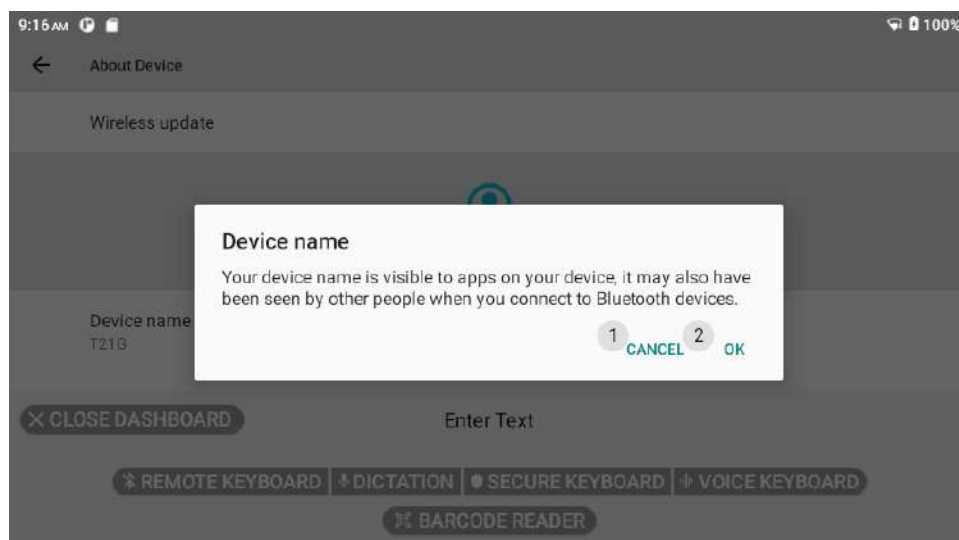
"ACCEPT" command

16. Say “OK” to apply the changes.



“OK” command

Note: Some text changes will have a user message appear that further explains the changes made. Say “OK” to acknowledge the message.



User message

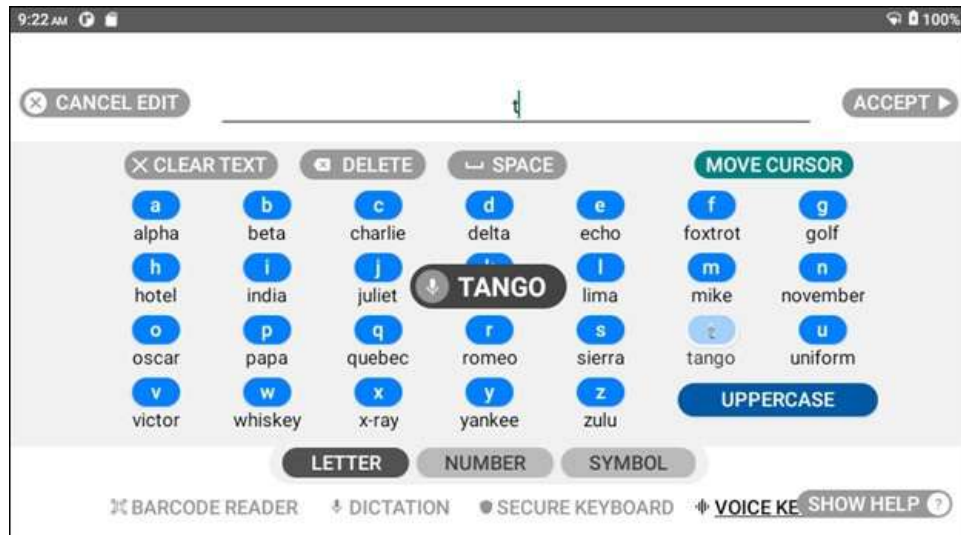
5.6.3 Voice Keyboard

The Voice Keyboard allows you to select letters, numbers, and symbols by saying the word associated with each character. Say “SPACE” at any time to add a space between characters.

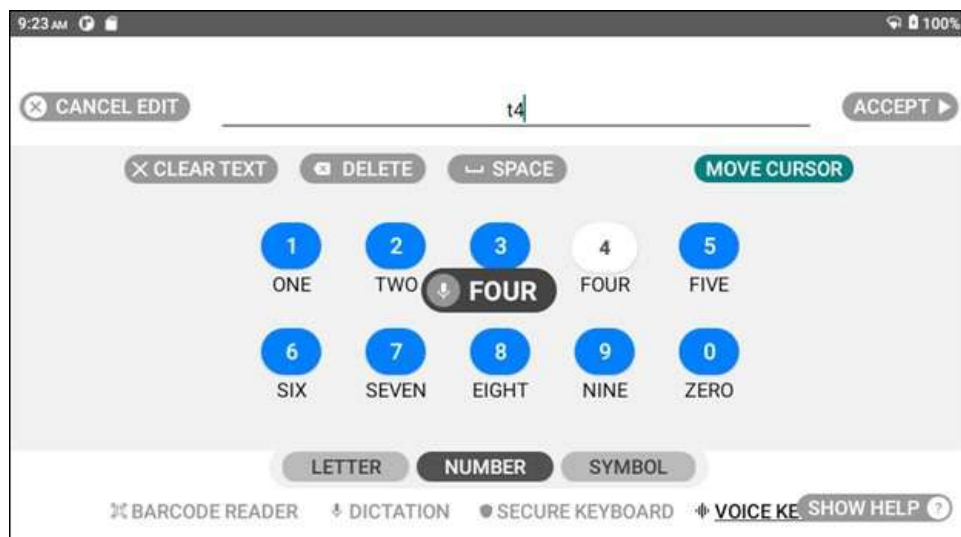
Note: Only English is currently supported in this mode. Other languages may work to varying degrees but are not optimized for this mode and could cause user issues.

To use the Voice Keyboard, do the following:

17. Say "VOICE KEYBOARD".
18. Say the word associated with the desired character.



LETTER example

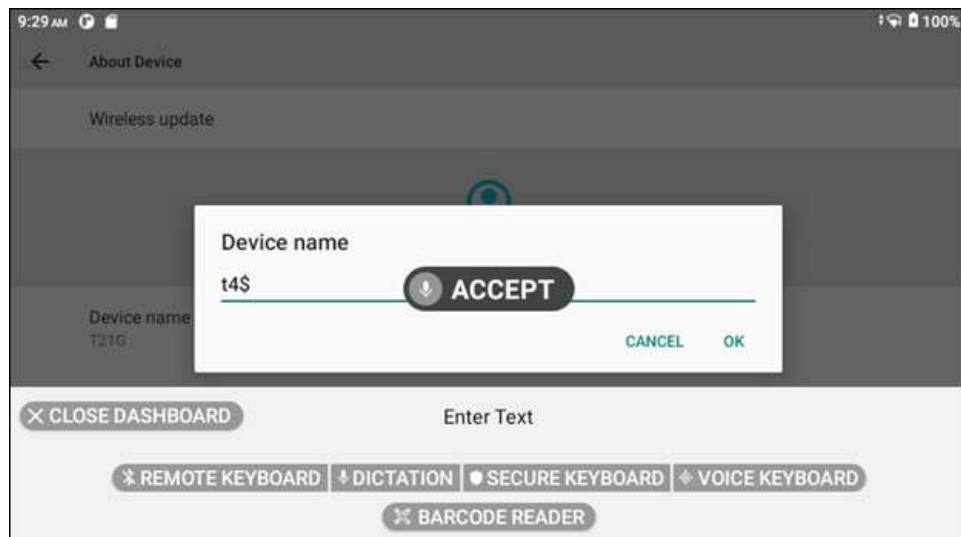


NUMBER example



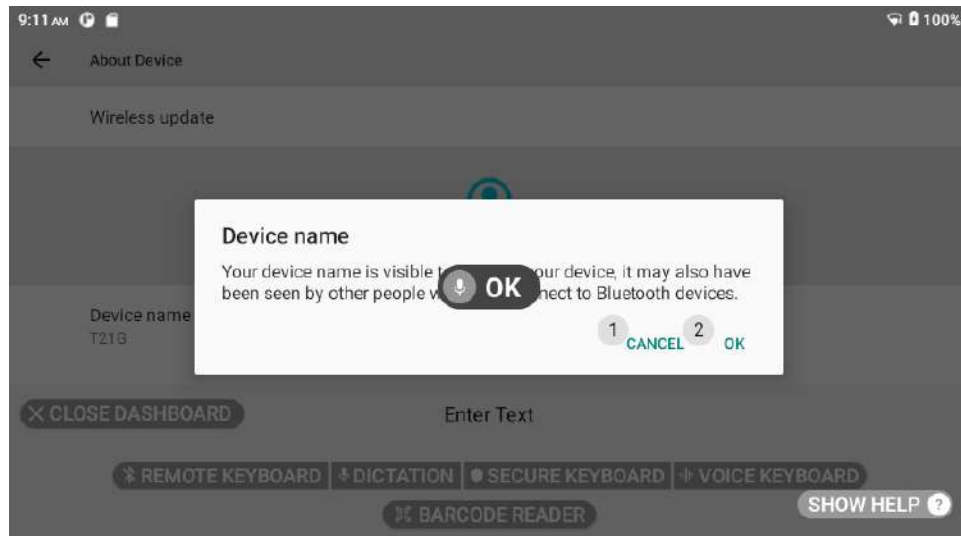
SYMBOL example

19. After the text is entered, say “ACCEPT”.



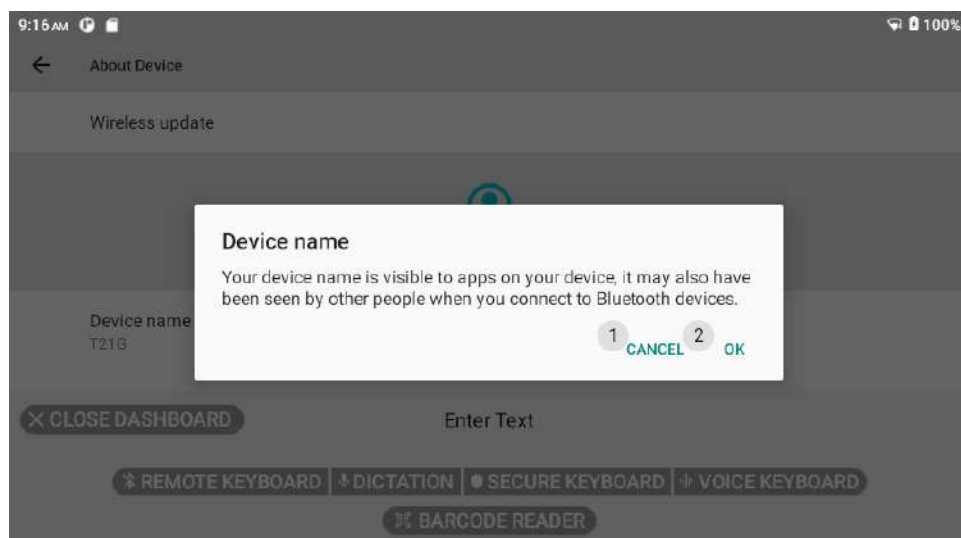
“ACCEPT” command

20. Say "OK" to apply the changes.



"OK" command

Note: Some text changes will have a user message appear that further explains the changes made. Say "OK" to acknowledge the message.



User message

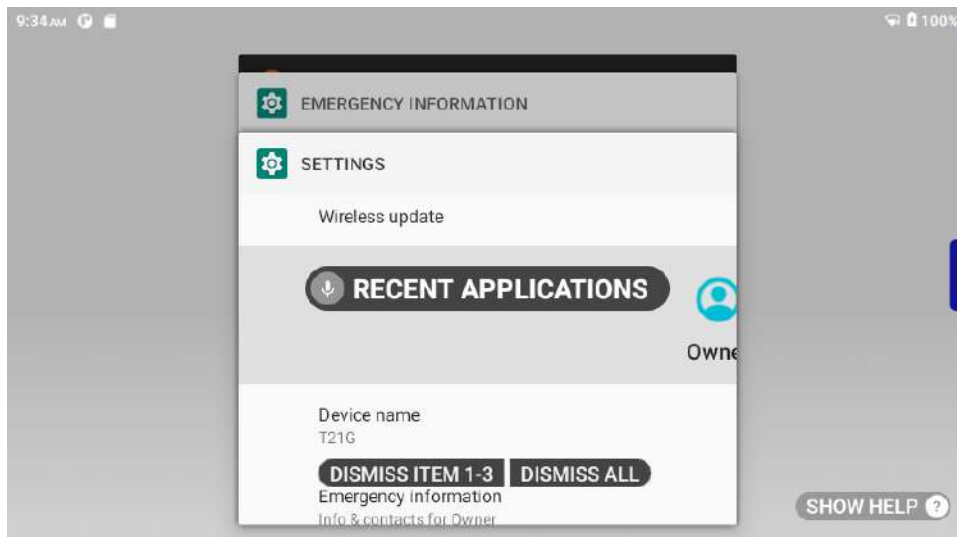
5.7 Recent Applications

Say "RECENT APPLICATIONS" to browse recent applications from any screen. After a moment, numbers appear in the upper right corner of each open app.

Use the "PAGE DOWN" and "PAGE UP" commands to scroll through open applications.

Select an app to open by speaking the name of the application, or use the "SELECT ITEM #" command, referencing the number in the upper right corner.

To dismiss an app from the list, say, "DISMISS ITEM #". To dismiss all, say "DISMISS ALL".



"RECENT APPLICATIONS" command

Recent applications voice commands

Voice Command	Action
"DISMISS ALL"	Stops all currently running applications.
"DISMISS ITEM #"	Stops the application corresponding to the specified item number.
"PAGE DOWN"	Scrolls to the next page of recent applications list.
"PAGE UP"	Scrolls to the previous page of recent applications list.
"RECENT APPLICATIONS"	Displays the list of all applications running in the background with the item number associated with each application.
"SELECT ITEM #"	Opens the application associated with the specified item number.
"SHOW HELP"	Displays extra commands.

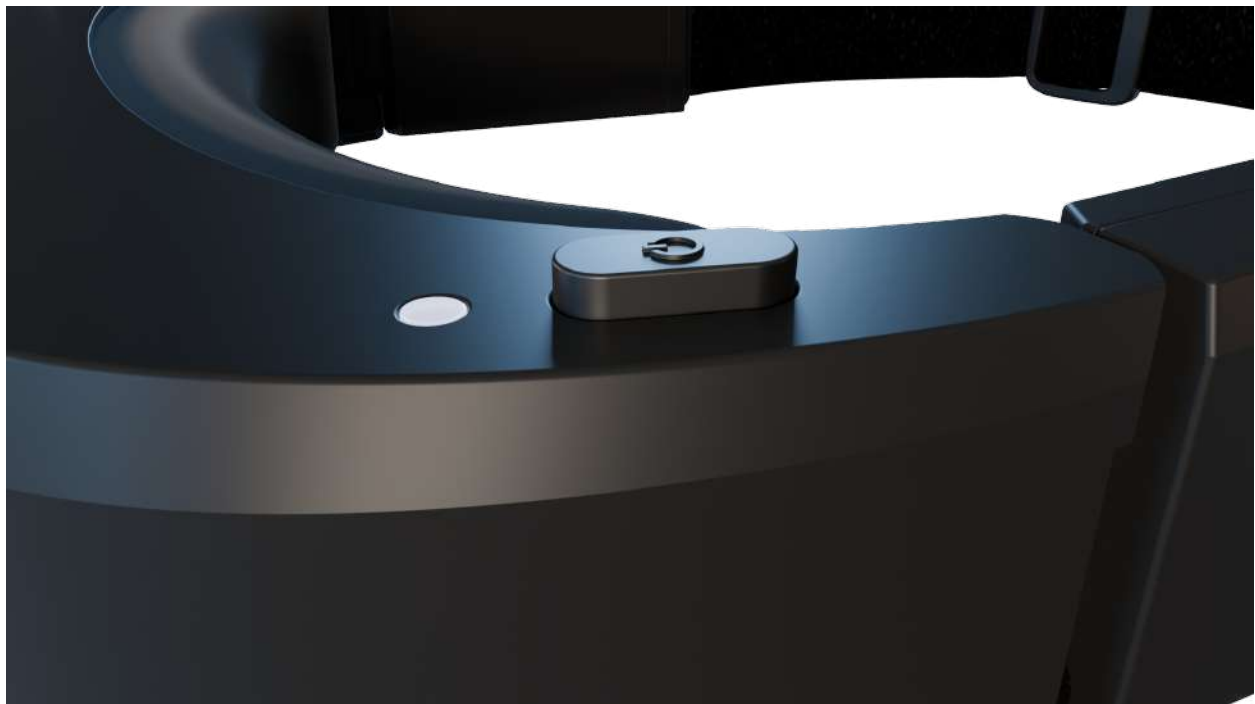
5.8 Device Power

5.8.1 Turn ON RealWear Arc 3

To turn ON RealWear Arc 3, do the following:

1. Charge the battery, if required.
2. Press and hold the power button for 3 seconds.

Note: The bootup sequence is approximately 15 seconds. Once the device boots up successfully, an audible notification is heard, and the home screen appears on the display.



Power button

5.8.2 Turn OFF RealWear Arc 3

	IMPORTANT
	RealWear recommends turning OFF the device when not in use to conserve the battery and prolong the life of RealWear Arc 3.

You can turn OFF RealWear Arc 3 either manually or hands-free.

5.8.2.1 Turn OFF Manually

To turn OFF RealWear Arc 3 manually, do the following:

1. Press and hold the power button for 3 seconds.
2. Release the power button after you hear the tone.
3. A shutdown screen appears on the display momentarily during the power down sequence.
4. The device turns OFF.

5.8.2.2 Turn OFF Hands-Free

To turn OFF RealWear Arc 3 using hands-free, do the following:

5. Say "MY CONTROLS".
6. Say "POWER OPTIONS".
7. Say "POWER DOWN".
8. A shutdown screen appears on the display momentarily during the power down sequence.
9. The device turns OFF.

5.8.3 Reboot Device

You can reboot RealWear Arc 3 either manually or hands-free.

5.8.3.1 Reboot Manually

To reboot RealWear Arc 3 manually, do the following:

1. Press and hold the power button for 3 seconds.
2. Release the power button after you hear the tone.
3. A shutdown screen appears on the display momentarily during the power down sequence.
4. The device turns OFF.
5. Press and hold the power button for 3 seconds.
6. The device turns ON.

5.8.3.2 Reboot Hands-Free

To reboot RealWear Arc 3 using hands-free, do the following:

7. Say "MY CONTROLS".
8. Say "POWER OPTIONS".
9. Say "REBOOT".
10. The device restarts.

5.8.4 Sleeping and Waking

You can sleep and wake RealWear Arc 3 either manually or hands-free.

5.8.4.1 Sleep and Wake Manually

To sleep and wake RealWear Arc 3™ manually, do the following:

1. Press the power button briefly (less than 1 second).
2. Release the power button to sleep or wake the device.

5.8.4.2 Sleep and Wake Hands-Free

To sleep and wake RealWear Arc 3 using hands-free, do the following:

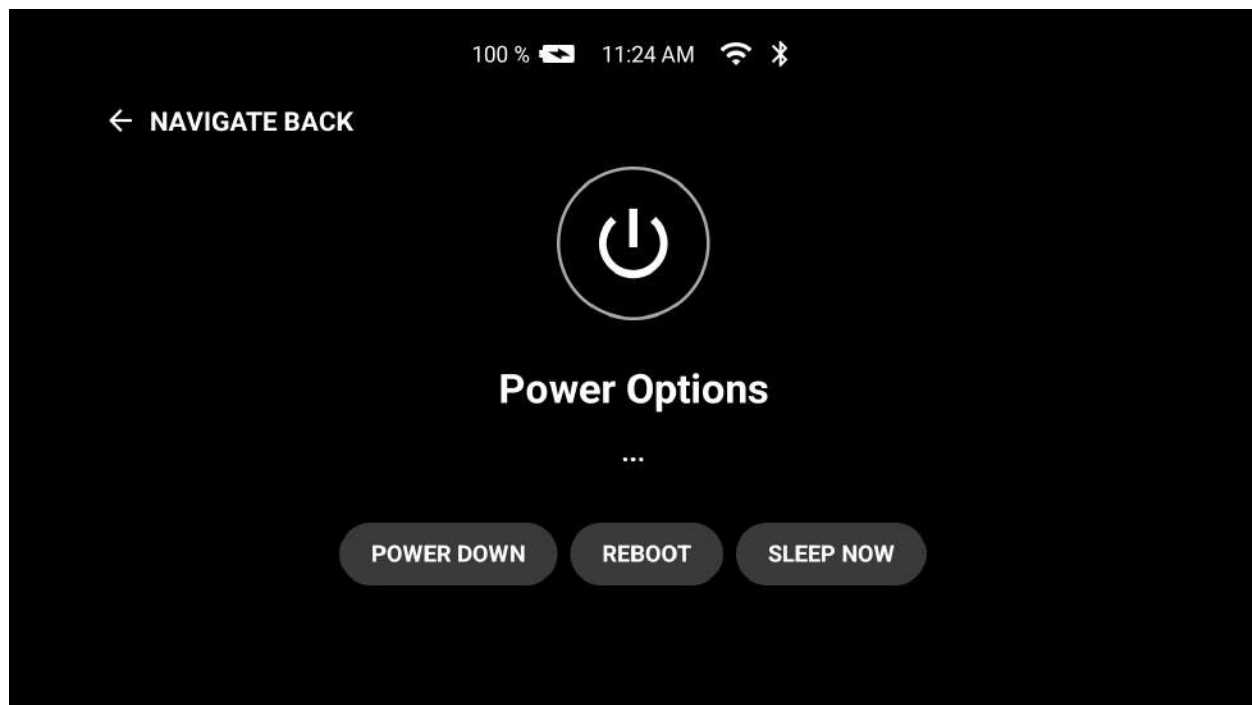
3. Say "MY CONTROLS".
4. Say "POWER OPTIONS".
5. Say "SLEEP NOW".
6. When asleep, press the power button briefly (less than 1 second) to wake the device.

5.8.5 Power Options

Power options allow you to access power management functions using voice commands.

To access power options, do the following:

7. From any screen say, "MY CONTROLS".
8. Say "POWER OPTIONS".



“POWER OPTIONS” command

Power options voice commands

Voice Command	Action
“POWER DOWN”	Turns OFF RealWear Arc 3.
“REBOOT”	Reboots RealWear Arc 3.
“SLEEP NOW”	Puts RealWear Arc 3 into sleep mode.

5.9 Battery Use

5.9.1 Direct Charging

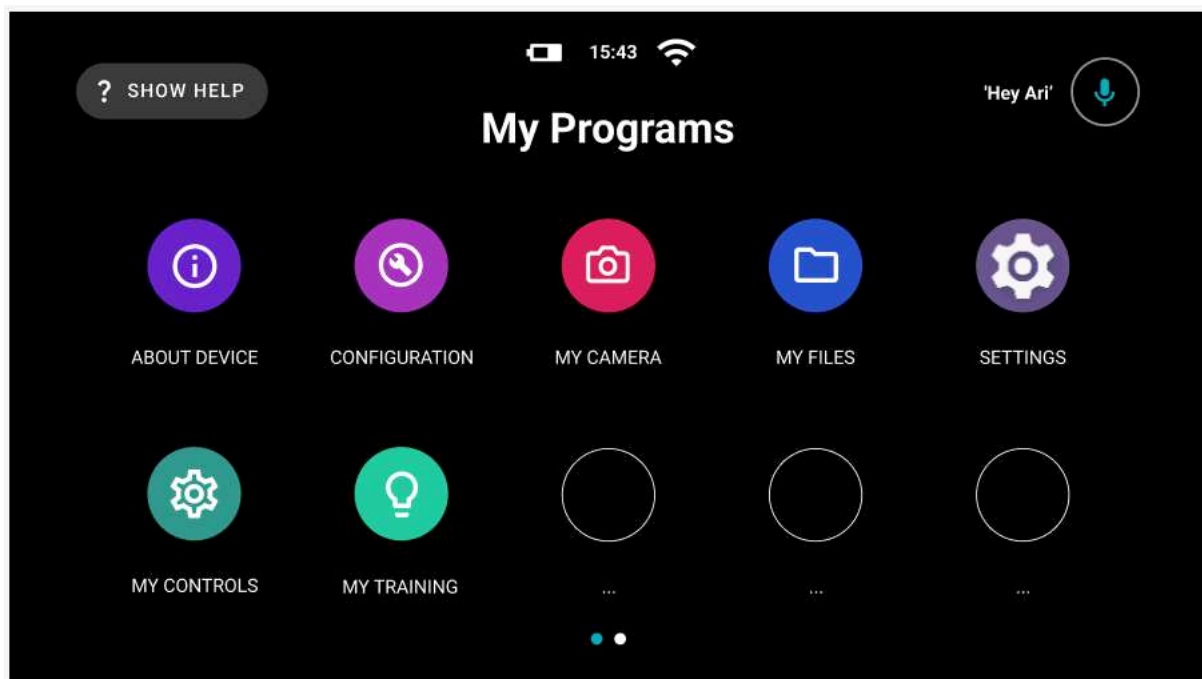
To charge the battery, do the following:

1. Connect the USB-C cable to the RealWear Arc 3 USB-C port.
Note: For the USB-C port location, click [here](#).
2. Connect the charging cable to the wall charger.
3. Plug the wall charger into an electrical outlet.
4. The LED next to the power button flashes during the charging cycle.
5. The LED illuminates solid when charging is complete.

Battery status indicators

LED Color	Definition
Red	Battery charge is less than 20%
Orange	Battery charge is between 20-70%
Green	Battery charge is more than 70%

Note: The battery charge status is also shown on the RealWear Arc 3 display.



Battery status on display

5.9.2 Low Battery

RealWear Arc 3 will monitor the battery charge and display a warning when the battery charge is 15%, 10%, and 5%. Each battery charge warning is a different color.

6 Device Apps

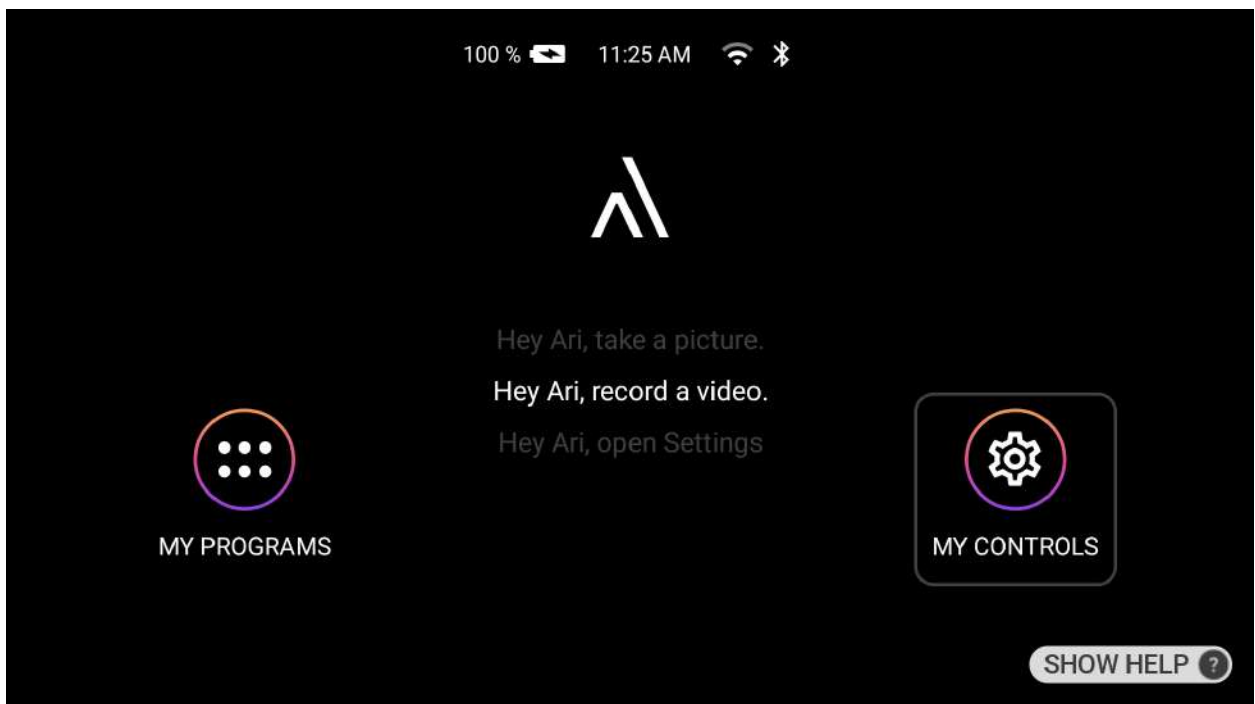
6.1 Home Screen

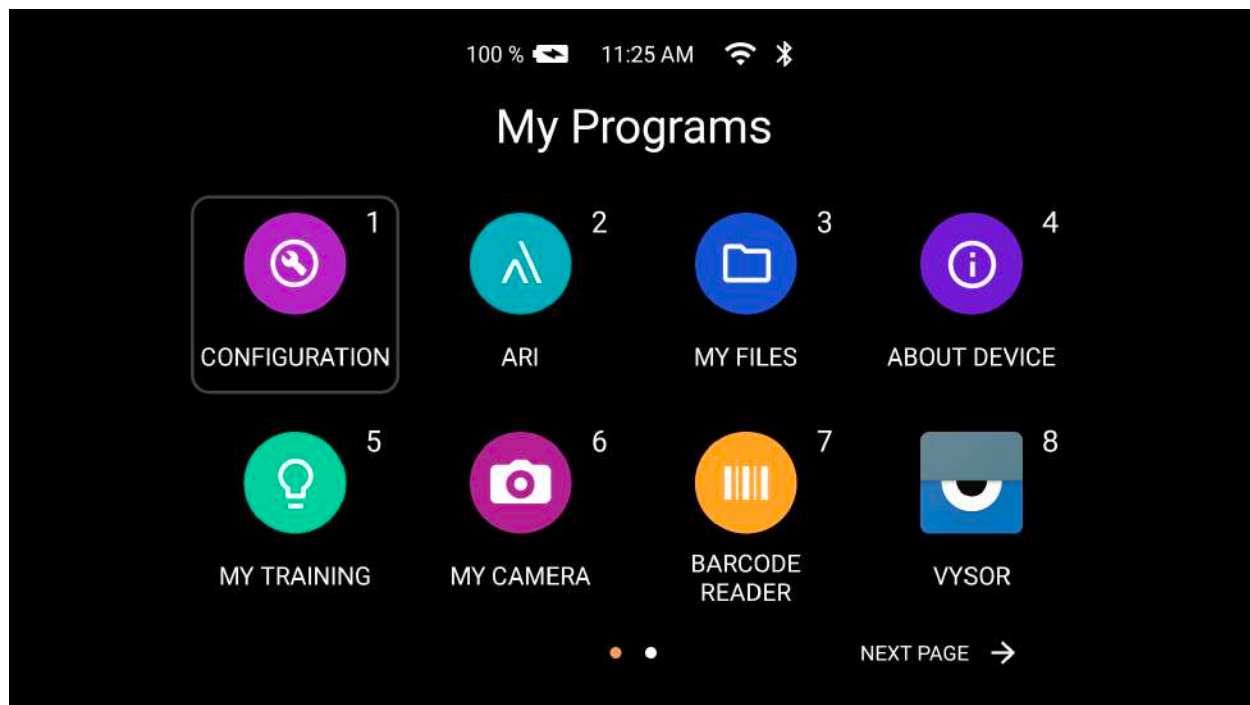
The home screen is the primary user interface view and dashboard for RealWear Arc 3™ and is where you start when you power ON the RealWear Arc 3.

The home screen allows RealWear Arc 3 users to quickly access files and key applications while providing useful information such as time, date, Wi-Fi, and battery status.

To launch applications from the home screen, say the following commands:

- My Programs (click [here](#) for more information)
- My Camera (click [here](#) for more information)
- My Files (click [here](#) for more information)
- My Training (click [here](#) for more information)





Home screen

Note: Some launch icons may be added or removed, depending on the preferences of your organization.

6.1.1 Home Screen Navigation

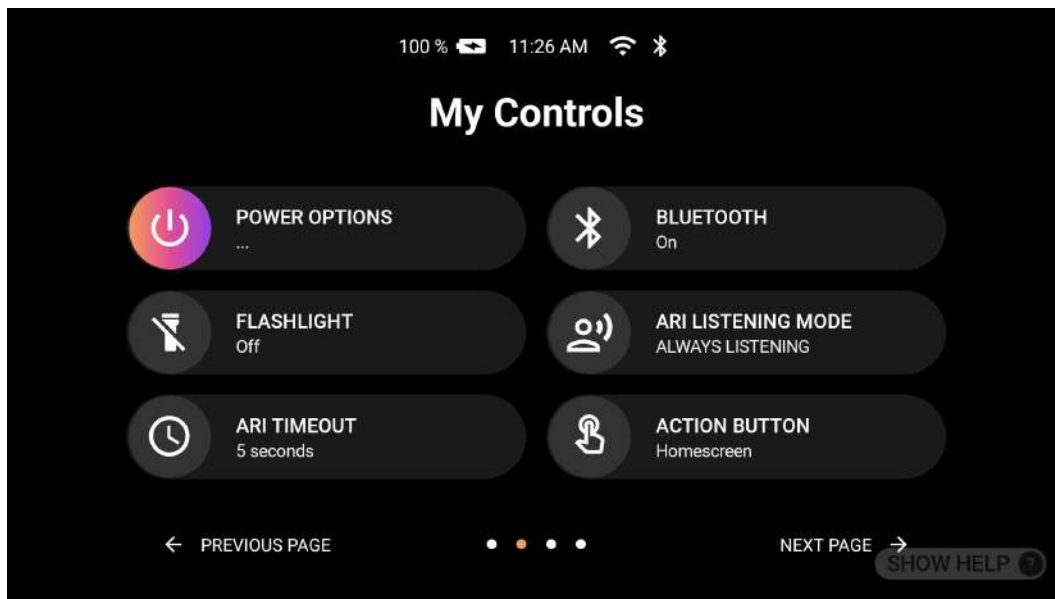
You can control various applications by saying the voice commands in the table below from the Home screen.

Note: Say "NAVIGATE HOME" or press the Action Button to return to the Home screen at any time.

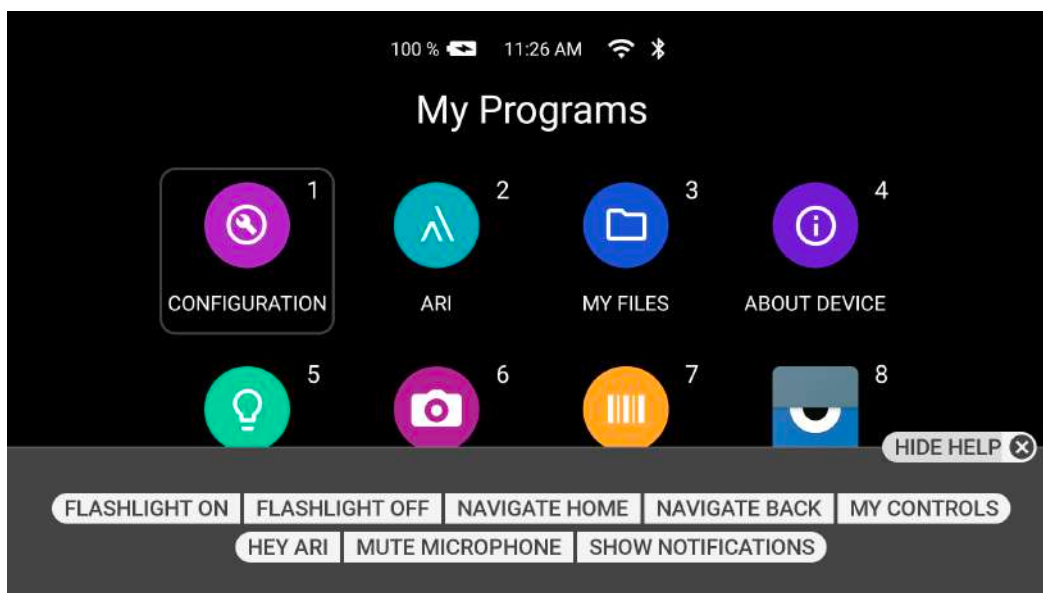
Home screen voice commands

Voice Command	Action
"HIDE HELP"	Hides the Help Panel.
"MY CAMERA"	Opens the My Camera app.
"MY CONTROLS"	Opens the Control Panel for easy access to commonly used settings.
"MY FILES"	Opens the My Files app to access documents, videos, and photos.
"MY PROGRAMS"	Opens the My Programs app to access the installed applications.

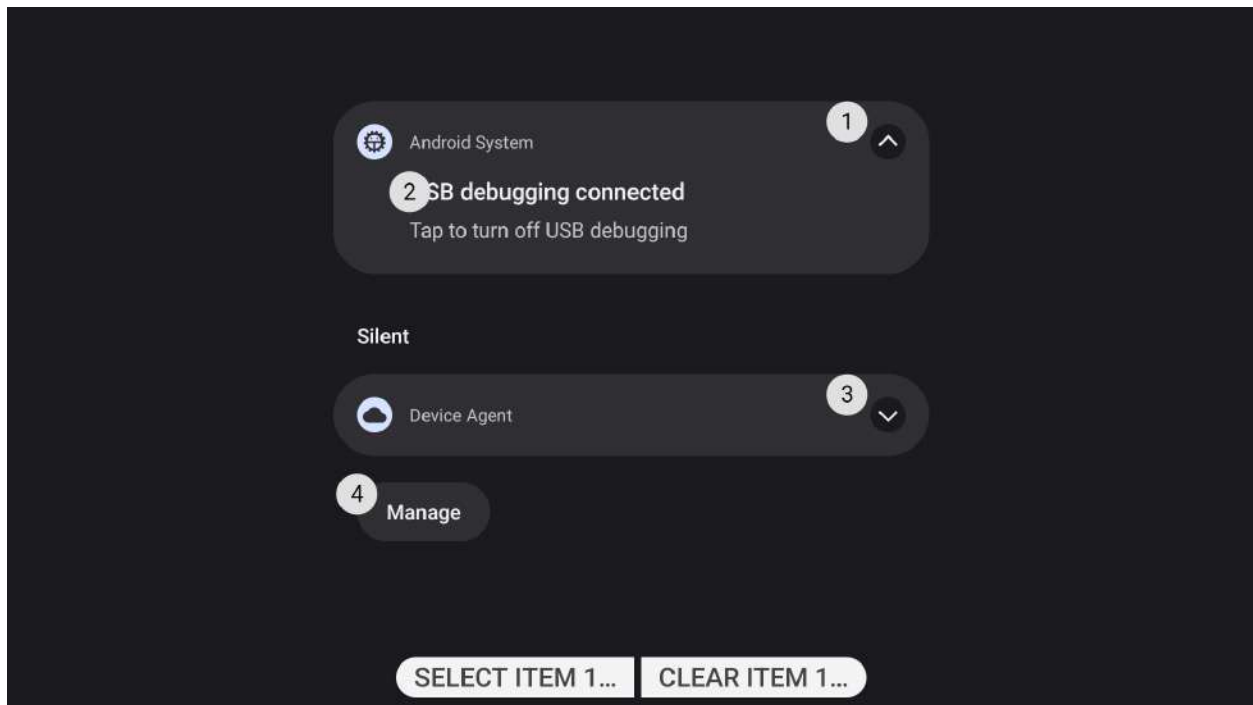
Voice Command	Action
"MY TRAINING"	Opens the My Training app better familiarize the user with the device.
"SHOW HELP"	Opens the help panel.
"SHOW NOTIFICATIONS"	Displays all recent notifications.



"MY CONTROLS" command



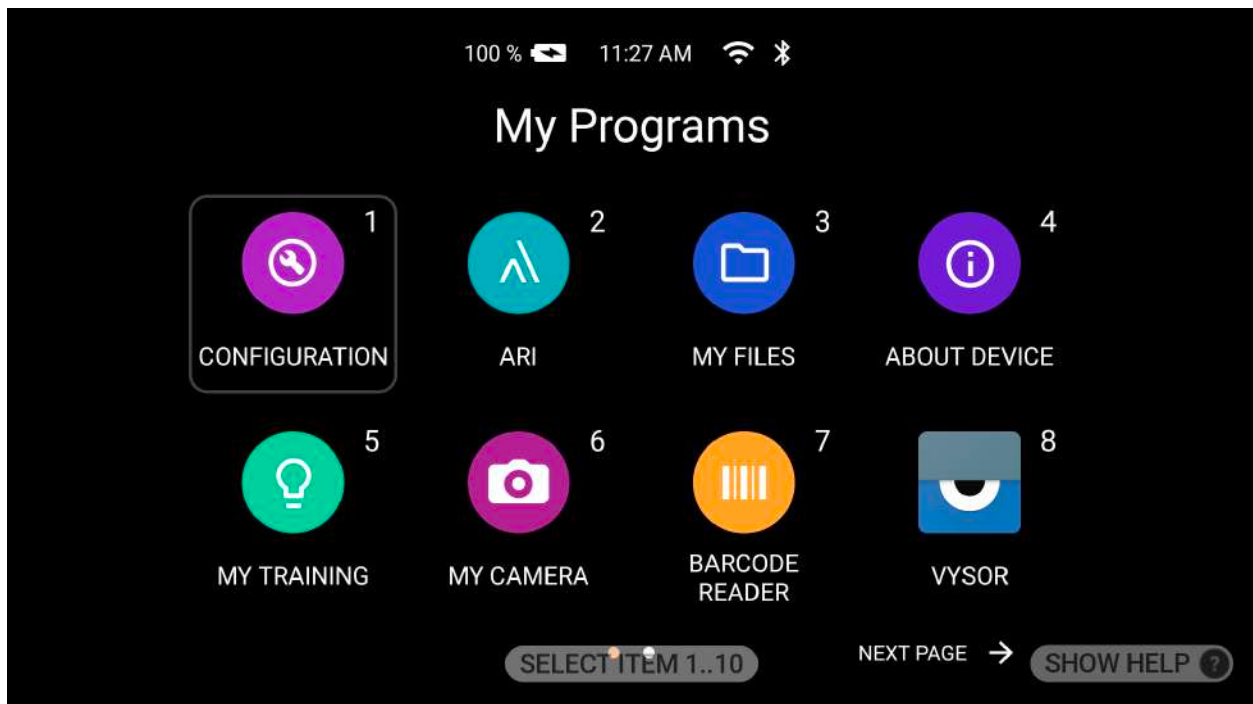
"SHOW HELP" command



“SHOW NOTIFICATIONS” command

6.2 My Programs

My Programs allows RealWear Arc 3™ users to access installed applications. Say “MY PROGRAMS” from the Home screen to open the **My Programs** app.

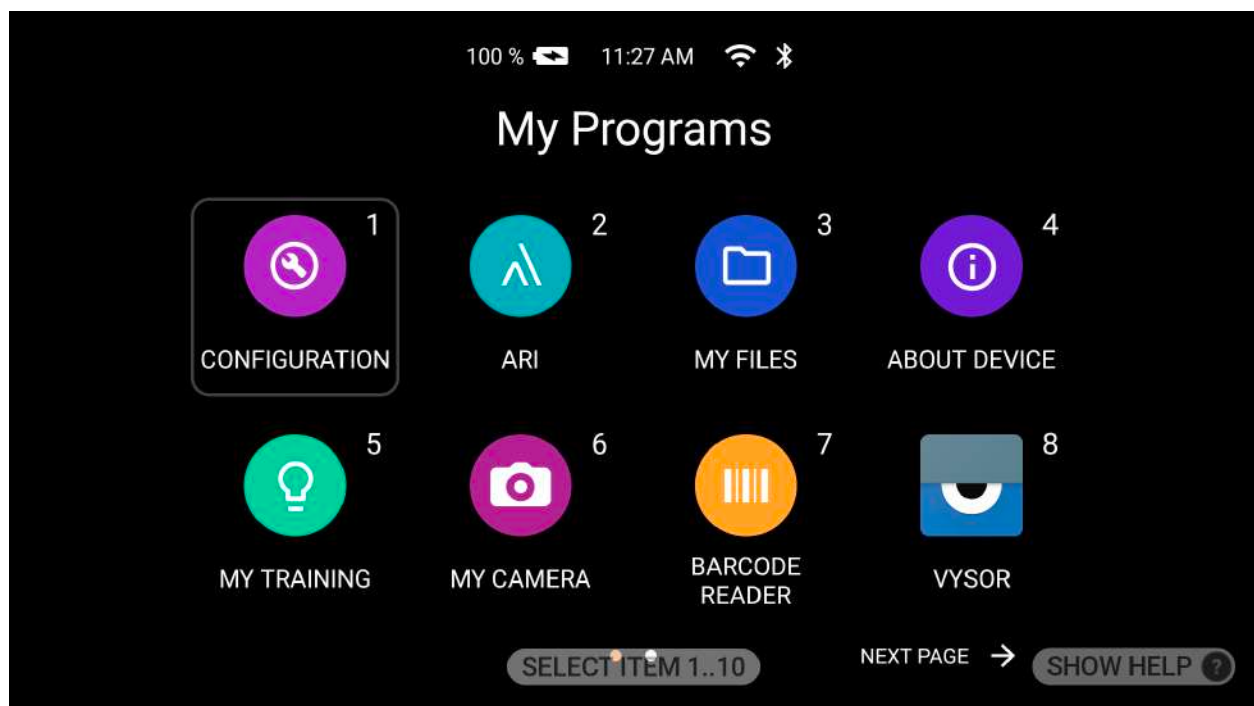


My Programs app

The following default applications are in **My Programs**:

- About Device
- Audio Recorder
- Barcode Reader
- Configuration
- My Camera
- My Controls
- My Files
- My Training
- Settings
- Web Apps
- Wireless Update

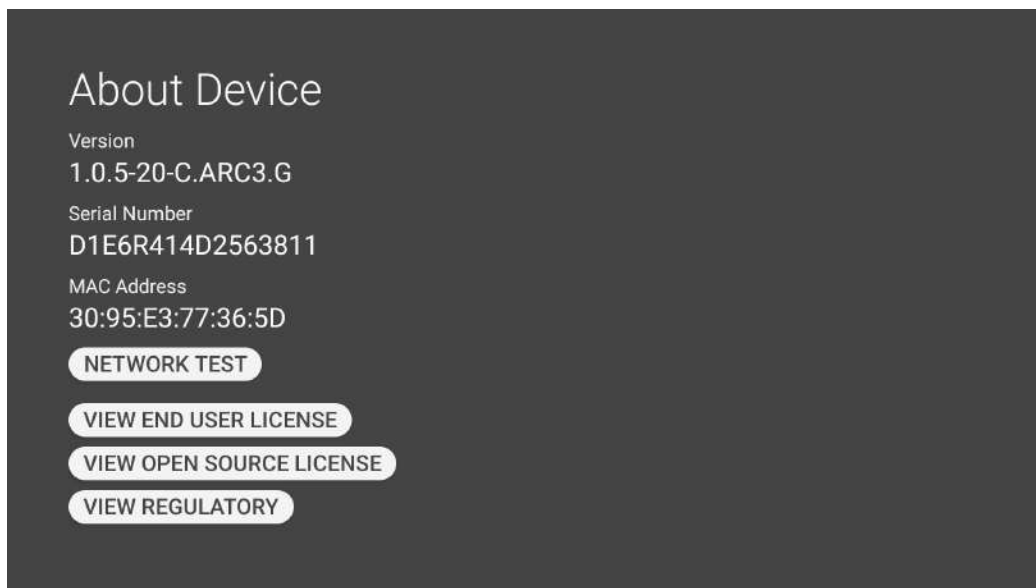
To choose an application, say the application name as shown in **My Programs**, or say the number displayed in the upper right corner of the icon. For example, say, “MY CAMERA” or say, “SELECT ITEM FIVE”.



My Programs

6.2.1 About Device App

The **About Device** app displays information about your RealWear Arc 3 device. Say “ABOUT DEVICE” or “SELECT ITEM ONE” to open the app.



“ABOUT DEVICE” command

About Device voice commands

Voice Command	Action
“SHOW HELP”	Opens the help menu.
“VIEW END USER LICENSE”	Opens the software license agreement.
“VIEW OPEN SOURCE LICENSE”	Opens the open source license.
“VIEW REGULATORY”	Opens the international regulatory information.

6.2.2 Audio Recorder App - Downloadable

The **Audio Recorder** app allows you to record and save audio files to your device. Say “AUDIO RECORDER” or “SELECT ITEM TWO” to open the app.



“AUDIO RECORDER” command

6.2.2.1 Recording Audio

To record an audio file, say “RECORD AUDIO”. To stop recording, say “STOP RECORDING”. To pause and then resume recording, say “PAUSE RECORDING” and then say, “RESUME RECORDING”, respectively.



Recording audio

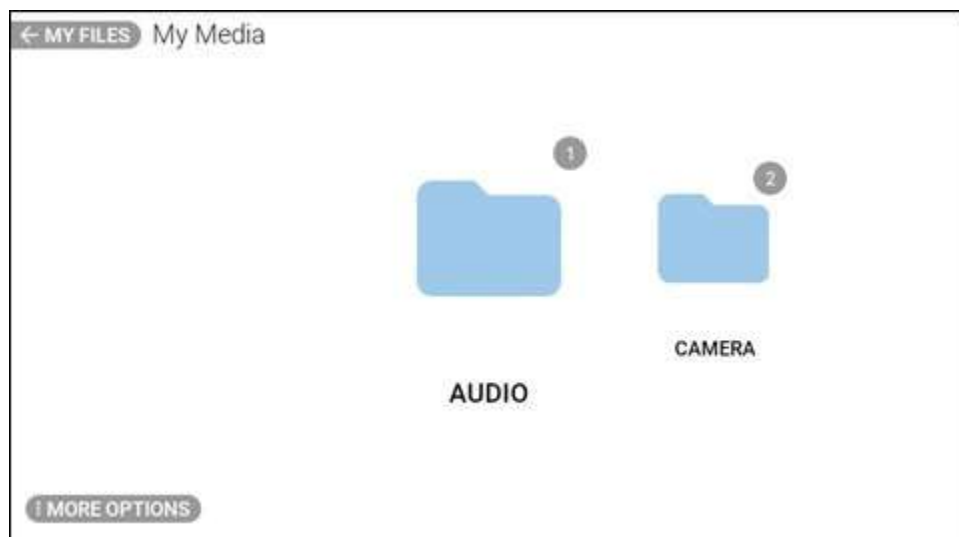
After you stop recording, a **Preview** window opens on the right side of the display. Say “PREVIEW” to play back the recorded audio. See the table below for audio playback commands.



Audio preview window

6.2.2.2 Audio Folder

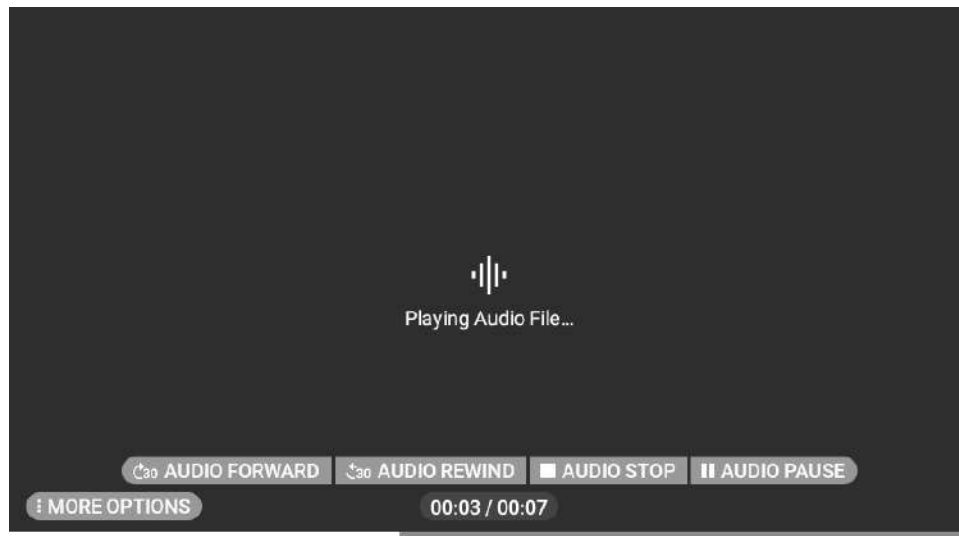
Recorded audio files are automatically saved to the **Audio** folder, located in the **My Media** folder in the **My Files** app.



Audio folder

6.2.2.3 Audio Playback

Say "SELECT ITEM #" to play an audio file. See the table below for audio playback commands.



Playing audio file

Audio playback voice commands

Voice Command	Action
"AUDIO FORWARD"	Fast forwards the audio 30 seconds.
"AUDIO PAUSE"	Pauses audio while playing.
"AUDIO PLAY"	Plays paused audio.
"AUDIO REWIND"	Rewinds the audio 30 seconds.
"AUDIO STOP"	Stops the audio and returns to the Audio folder.
"MORE OPTIONS"	Displays the "VIEW PREVIOUS" and "VIEW NEXT" commands.
"SELECT VOLUME [1 to 10]"	Sets the default volume level of the device. For example, to set the volume to 3, say "SELECT VOLUME 3".
"SHOW HELP"	Opens the help menu.
"VIEW NEXT"	Plays the next audio file.
"VIEW PREVIOUS"	Plays the previous audio file.

6.2.2.4 More Options

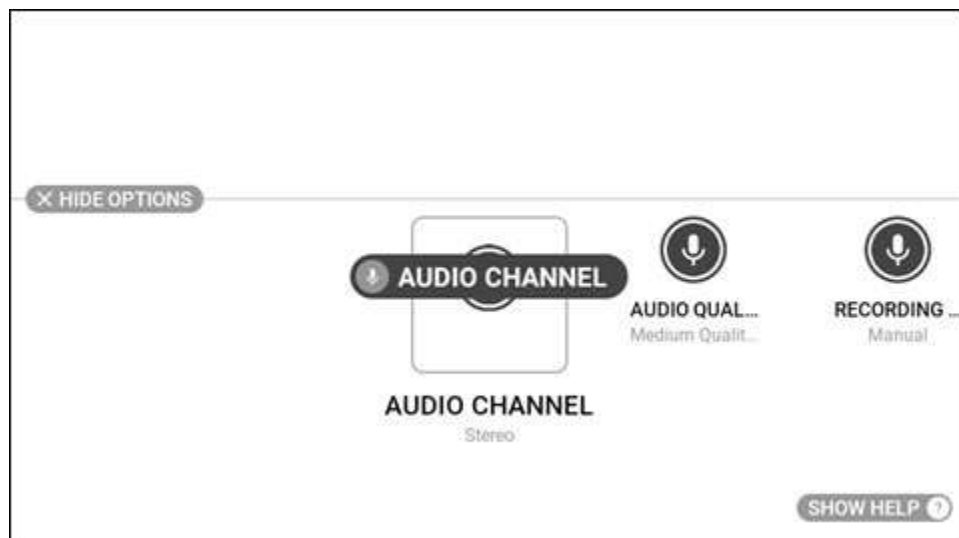
Note: Say “**MORE OPTIONS**” in the **Audio** folder to access the **Sort Files** and **Edit Mode** options. Go to [section 8.3.1 More Options](#) for more information.

With the **Audio Recorder** app open, say “**MORE OPTIONS**” to change the following settings:

- Audio channel
- Audio quality
- Recording time

6.2.2.4.1 Audio Channel

Say “**AUDIO CHANNEL**” to toggle between mono and stereo.



“**AUDIO CHANNEL**” command

6.2.2.4.2 Audio Quality

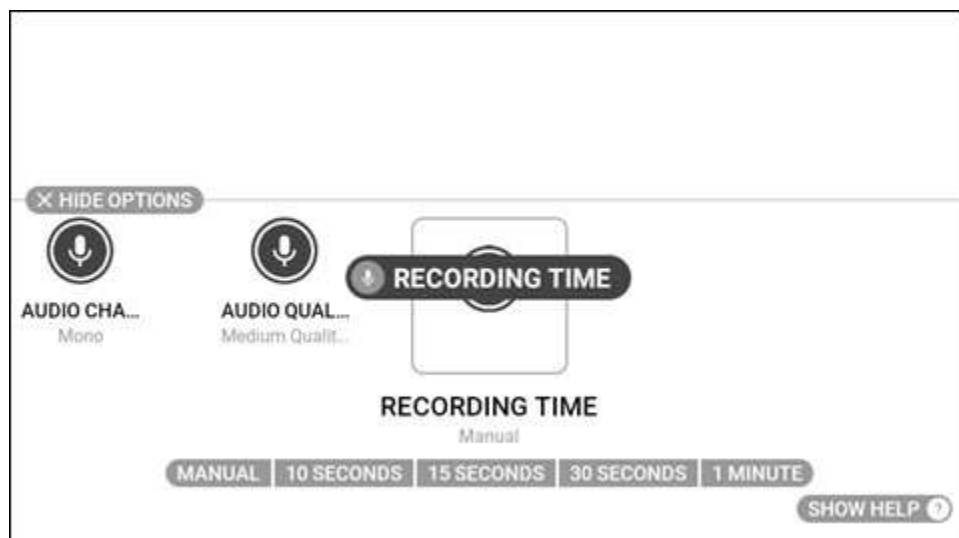
Say “AUDIO QUALITY” to view the audio quality options. Say “LOW QUALITY”, “MEDIUM QUALITY”, or “HIGH QUALITY” to change the quality of the playback audio.



“AUDIO QUALITY” command

6.2.2.4.3 Recording Time

Say “RECORDING TIME” to view the recording time options. To stop audio recordings manually, say “MANUAL”. To set a time limit on audio recordings, say “TEN SECONDS”, “FIFTEEN SECONDS”, “THIRTY SECONDS”, or “ONE MINUTE”, as required.



“RECORDING TIME” command

6.2.3 Barcode Reader App - Included

The **Barcode Reader** app allows you to scan barcodes. Say “BARCODE READER” or “SELECT ITEM THREE” to open the app.

The app can scan the following types of barcodes:

- Code 39
- Code 128
- Data matrix
- EAN 8
- EAN 13
- QR code
- UPC A
- UPC E

You can also scan QR codes that contain RealWear bookmarks, URLs, and application codes.

To scan a barcode, do the following:

1. Point the camera at the barcode. Make sure the entire barcode is within the white rectangle on the display.

Note: Use the flashlight, zoom, and telephoto commands to better read barcodes, as required.

2. When the barcode is scanned successfully, a chime sounds, and the barcode details are shown at the bottom of the display.



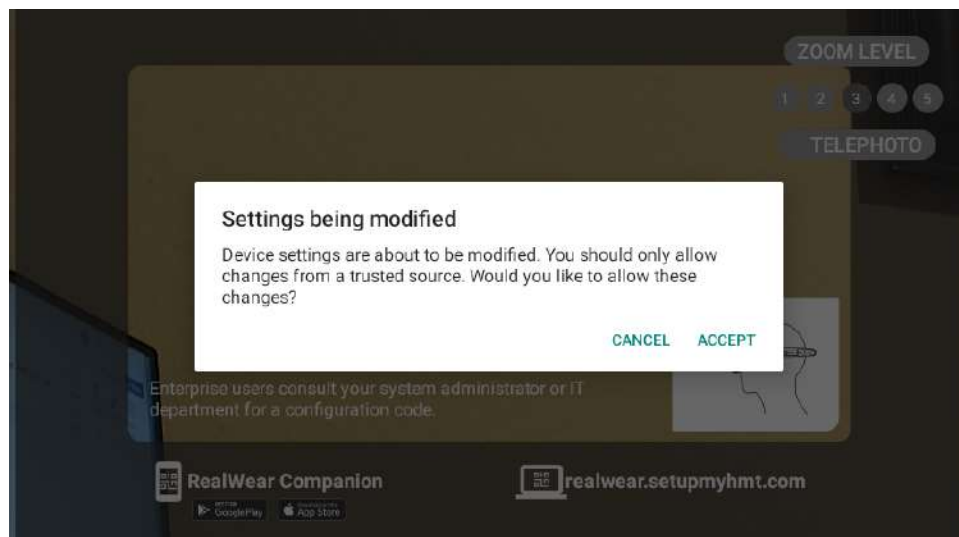
Barcode scanned successfully

Barcode voice commands

Voice Command	Action
"ZOOM LEVEL [1 to 5]"	Zooms the camera by setting the level to specific value.
"FLASHLIGHT OFF"	Turns OFF the flashlight.
"FLASHLIGHT ON"	Turns ON the flashlight.
"TELEPHOTO"	Single zoom with greater precision and accuracy.

6.2.4 Configuration App

The **Configuration** app allows you to configure RealWear Arc 3 by scanning a QR code generated in the RealWear Companion mobile app. Say "CONFIGURATION" or "SELECT ITEM SEVEN" to open the app.



QR code scanned successfully

6.2.5 My Camera App

Go to [chapter 7 My Camera App](#) for more information.

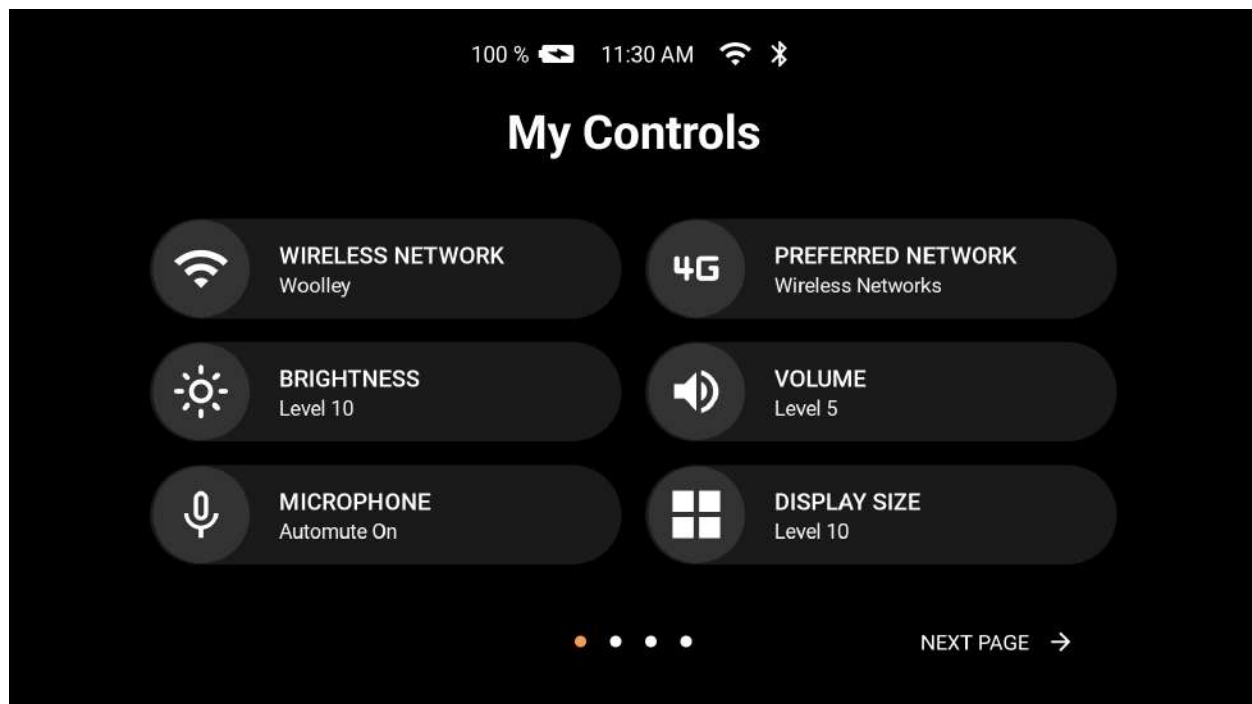
6.2.6 My Controls App

The **My Controls** app allows you to change basic RealWear Arc 3 settings. Say "MY CONTROLS" or "SELECT ITEM NINE" to open the app.

	IMPORTANT
	You can say “MY CONTROLS” from any screen to open the app.

Turn your head left or right to browse the controls, and then say the name of the desired control to open it.

Note: Items are active and can be selected even when not in the viewable area.



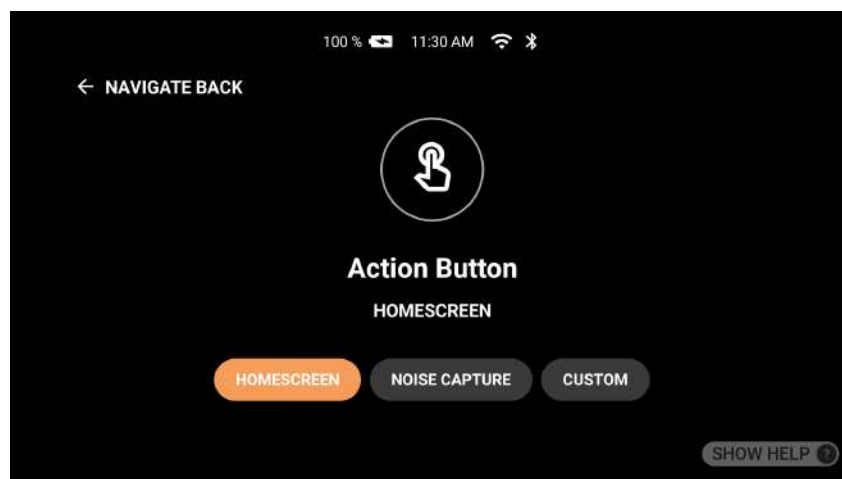
“MY CONTROLS” command

My Controls voice commands

Voice Command	Action
"ACTION BUTTON"	Toggle between home screen and noise capture modes.
"AUTO ROTATE"	Toggles screen rotation ON and OFF.
"BLUETOOTH"	Enables or disables Bluetooth.
"BRIGHTNESS"	Changes the system brightness settings.
"COLOR MODE"	Toggles between light and dark screen modes.
"DICTATION"	Toggles between local and cloud-based dictation.
"FLASHLIGHT"	Toggles the built-in flashlight ON and OFF.
"HELP COMMAND"	Toggles visibility of the SHOW HELP icon ON and OFF.
"MICROPHONE"	Toggles the auto mute function ON and OFF.
"MOUSE"	Toggle the head-tracked mouse ON and OFF.
"POWER OPTIONS"	Opens the power management options.
"VOLUME"	Changes the system volume setting.
"WIRELESS NETWORK"	Enables or disables Wi-Fi.

6.2.6.1 Action Button

Say "ACTION BUTTON" to change the Action Button function. Say "HOME SCREEN" to return to the home screen or say "NOISE CAPTURE" to toggle noise capture ON and OFF.

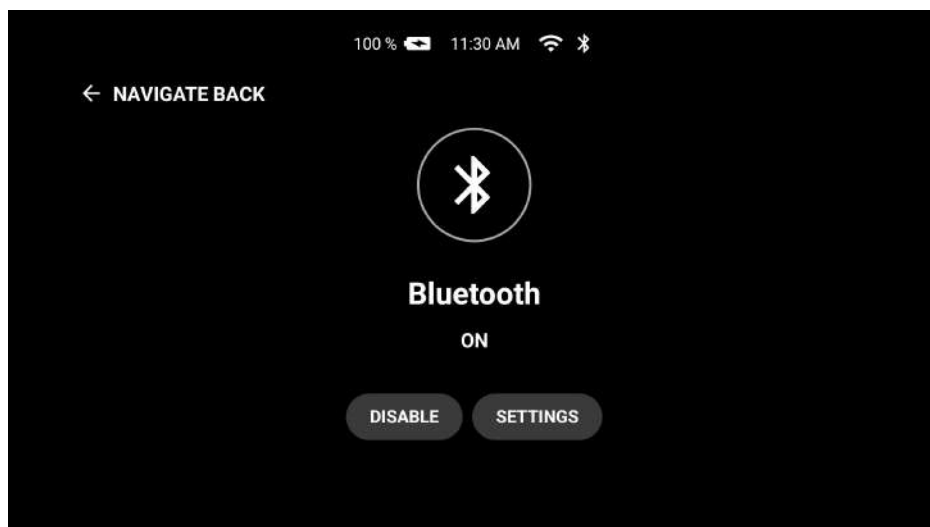


"ACTION BUTTON" command

6.2.6.2 Bluetooth

Say “BLUETOOTH” to view the Bluetooth options. Say “ENABLE” or “DISABLE” to turn Bluetooth ON or OFF, respectively.

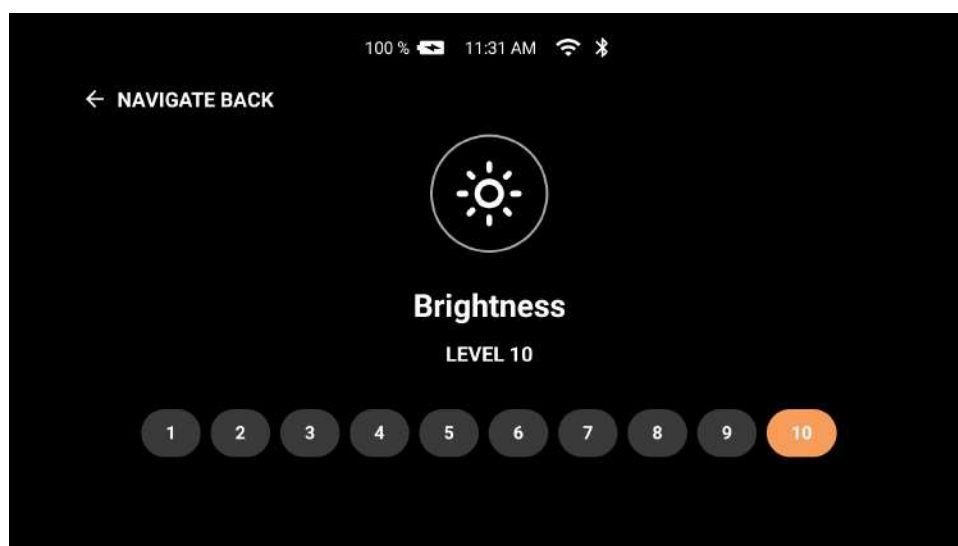
Say “BLUETOOTH SETTINGS” view and change Bluetooth settings. Go to [section 6.13.2 Connected Devices App](#) for more information.



“BLUETOOTH” command

6.2.6.3 Brightness

Say “BRIGHTNESS” to view the display brightness options. Say “SET LEVEL [1 to 10]” to change the brightness level.

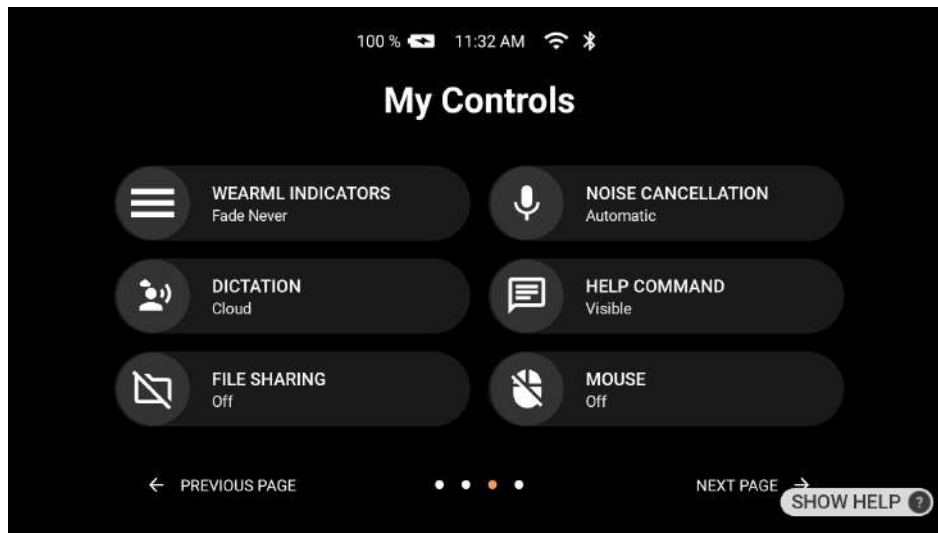


“BRIGHTNESS” command

6.2.6.4 Dictation

Say “DICTATION” to toggle dictation between local and cloud.

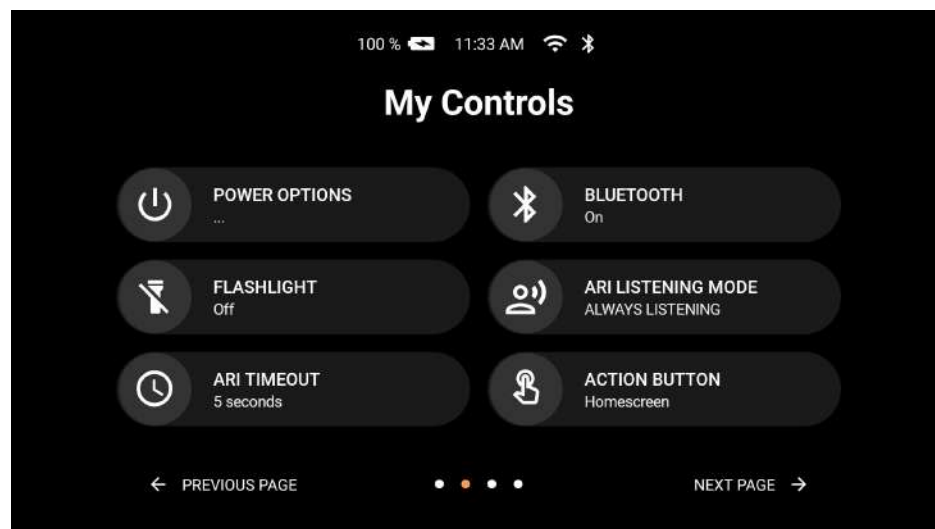
Note: Local dictation is not available for all system languages. Wi-Fi may be required.



“DICTATION” command

6.2.6.5 Flashlight

Say “FLASHLIGHT” to toggle the flashlight ON or OFF.

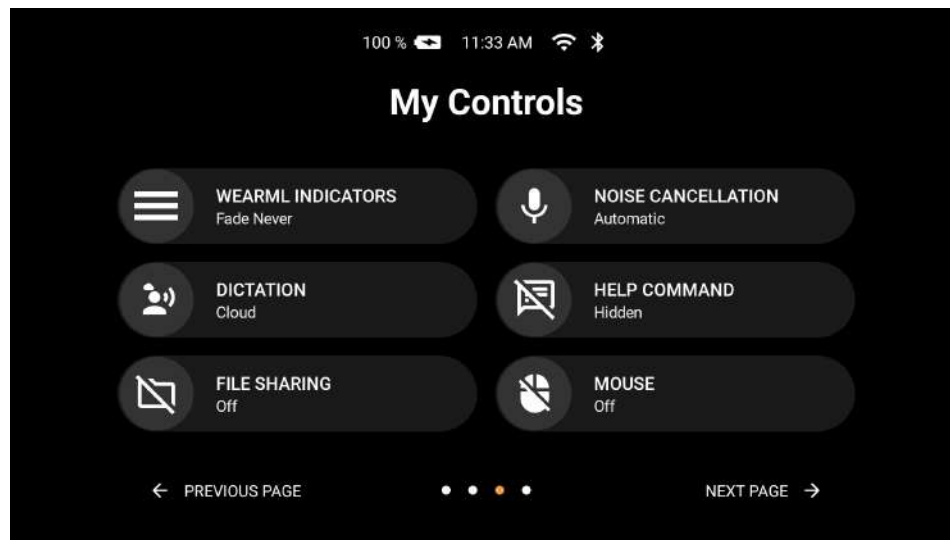


“FLASHLIGHT” command

6.2.6.6 Help Command

Say “HELP COMMAND” to toggle the “SHOW HELP” command visible or hidden.

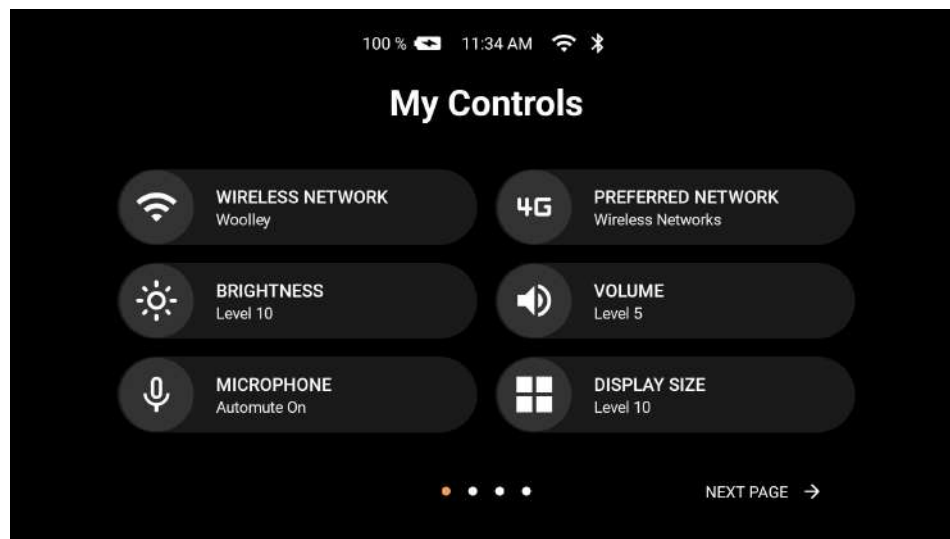
Note: The “SHOW HELP” command is always active.



“HELP COMMAND” command

6.2.6.7 Microphone

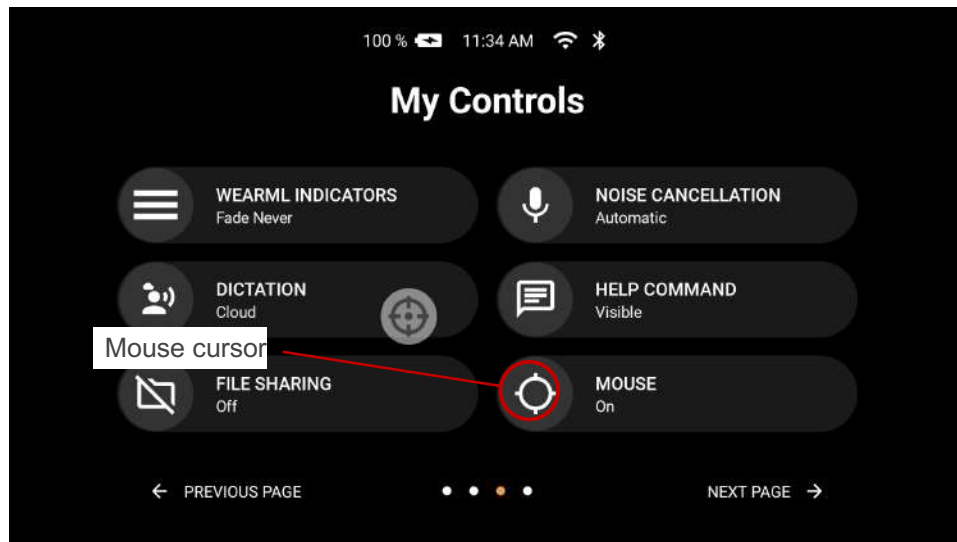
Say “MICROPHONE” to toggle the auto mute function ON or OFF. When ON, the microphone stops listening for voice commands if the device is idle for 30 seconds.



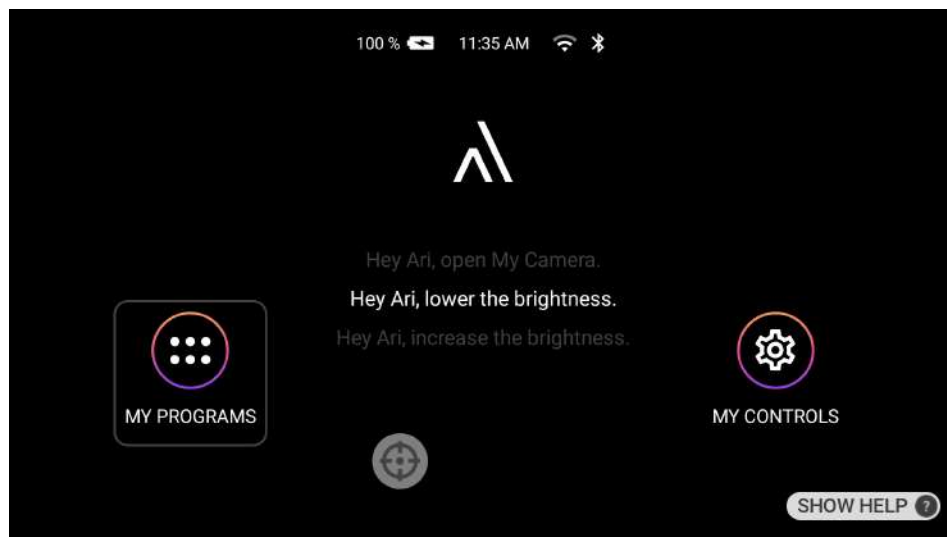
“MICROPHONE” command

6.2.6.8 Mouse

Say “MOUSE” to toggle the mouse ON or OFF. When ON, move the mouse cursor over an item with head movement and say “MOUSE CLICK” to select the item.



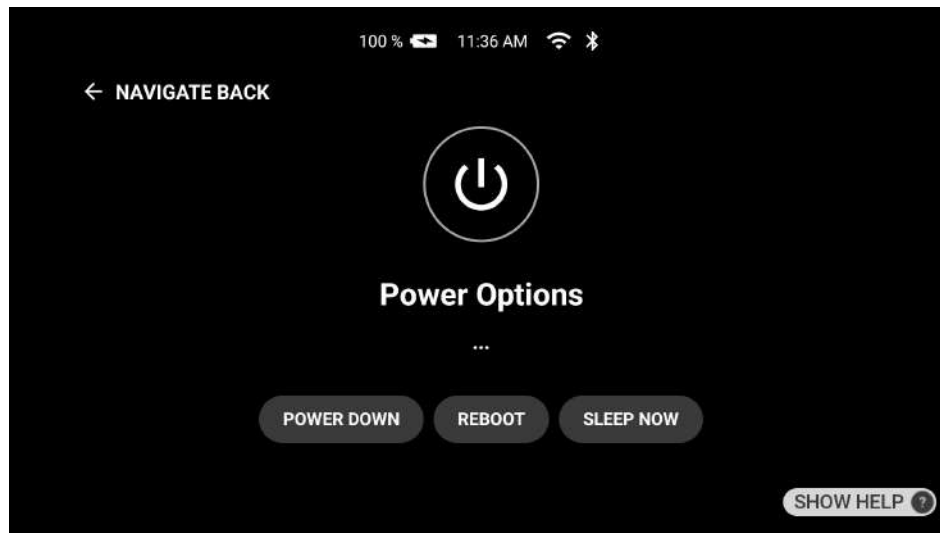
“MOUSE” command



“MOUSE CLICK” command

6.2.6.9 Power Options

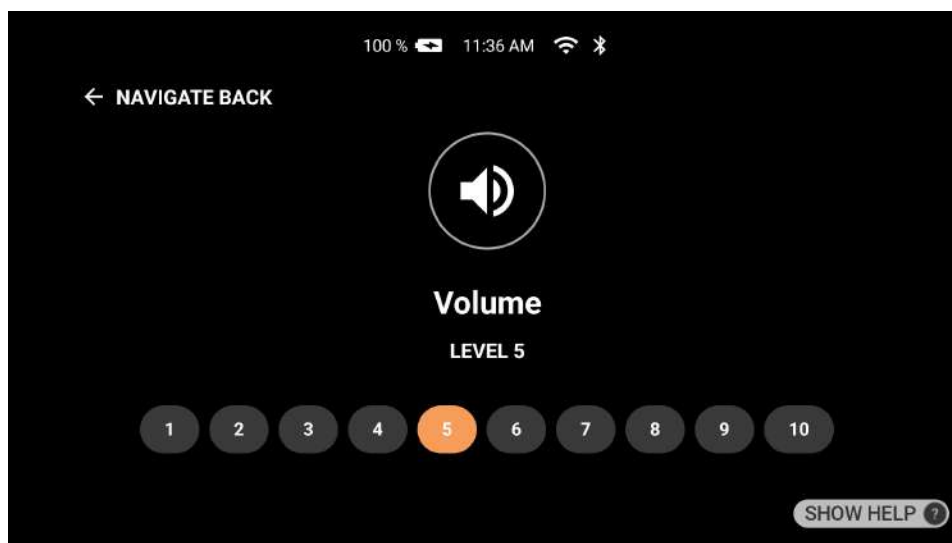
Say “POWER OPTIONS” to view the device power options. Say “POWER DOWN” to turn OFF the device, say “REBOOT” to restart the device, and say “SLEEP NOW” to put the device in rest mode.



“POWER OPTIONS” command

6.2.6.10 Volume

Say “VOLUME” to view the device volume options. Say “SET LEVEL [1 to 10]” to change the volume level.



“VOLUME” command

6.2.6.11 Wireless Network

Say “WIRELESS NETWORK” to view the wireless network options. Say “ENABLE” or “DISABLE” to turn Wi-Fi ON or OFF, respectively.

Say “WIRELESS NETWORK SETTINGS” view and change Bluetooth settings. Go to [section 6.13.1 Network and Internet App](#) for more information.



“WIRELESS NETWORK” command

6.2.7 My Files App

Go to [chapter 8 My Files App](#) for more information.

6.2.8 My Training App

Go to [chapter 9 My Training App](#) for more information.

6.2.9 Settings App

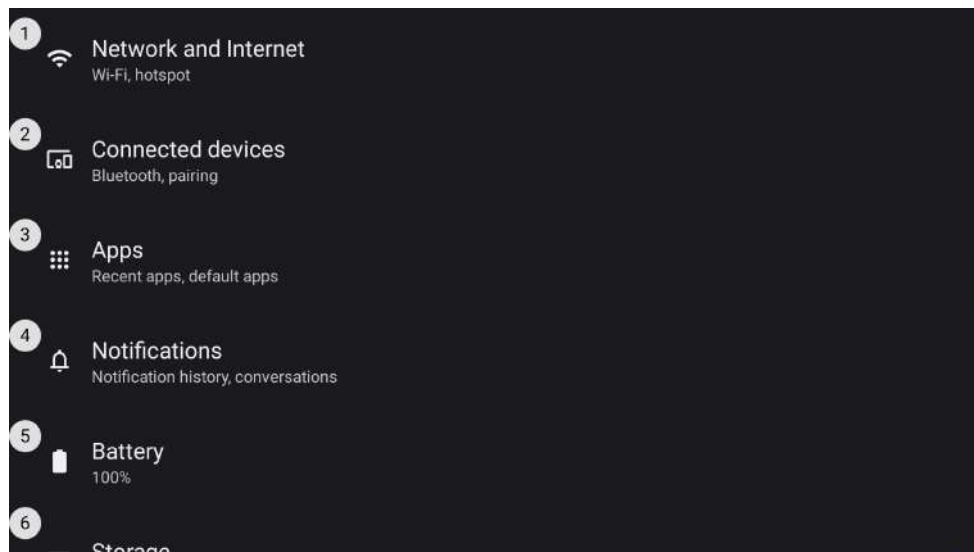
The **Settings** app allows you to view and change settings on your device. Say “SETTINGS” or “SELECT ITEM THIRTEEN” to open the app.

The following default applications are in the **Settings** app:

- About device
- Accessibility
- Apps and notifications
- Battery
- Connected devices
- Display
- Location
- Network and internet
- Privacy
- RealWear
- Security
- Sound
- Storage
- System

To choose an application, say the application name or say the number displayed in the upper right corner of the icon. For example, say, “BATTERY” or say, “SELECT ITEM FOUR”. Say “PAGE UP” and “PAGE DOWN” to scroll the list of settings.

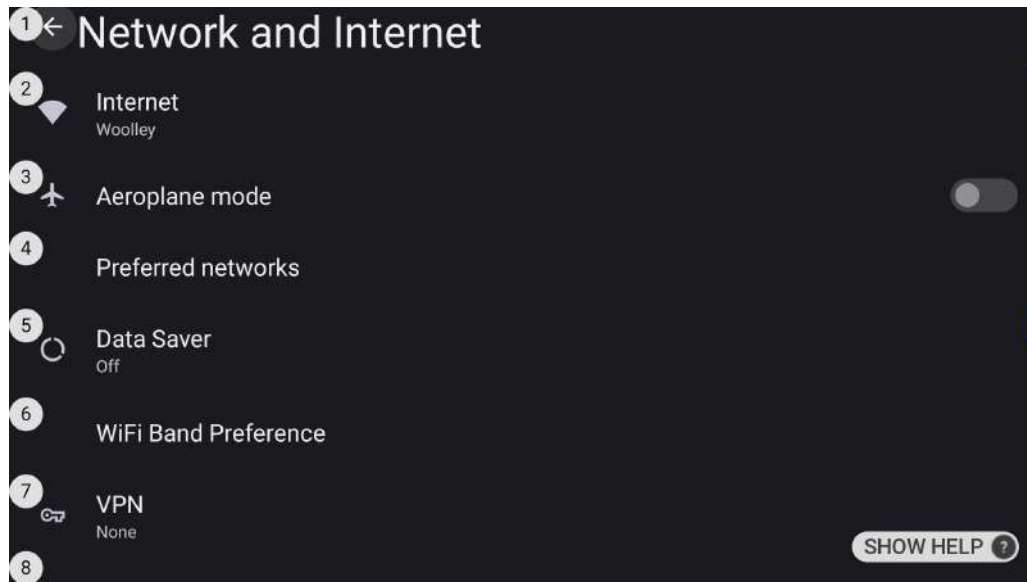
Note: The number for each setting changes when you scroll. For example, Battery is item 4 in the figure below, but if you scrolled down and Battery was now at the top of the page, it would become item 1.



Settings

6.2.9.1 Network and Internet Settings

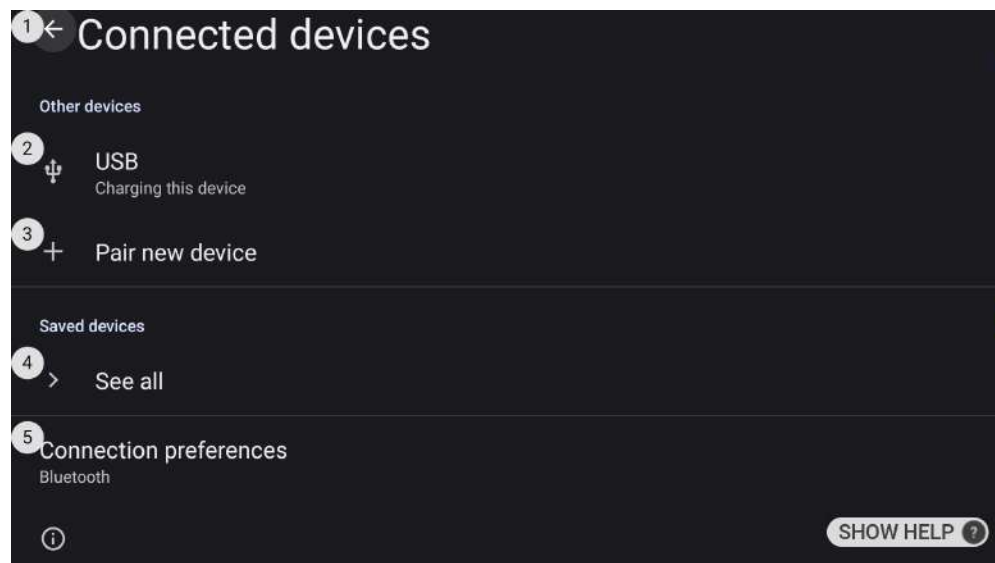
Network and internet settings allow you to configure your Wi-Fi settings. Say “NETWORK AND INTERNET” or “SELECT ITEM #” to open the app.



Network and Internet settings

6.2.9.2 Connected Devices Settings

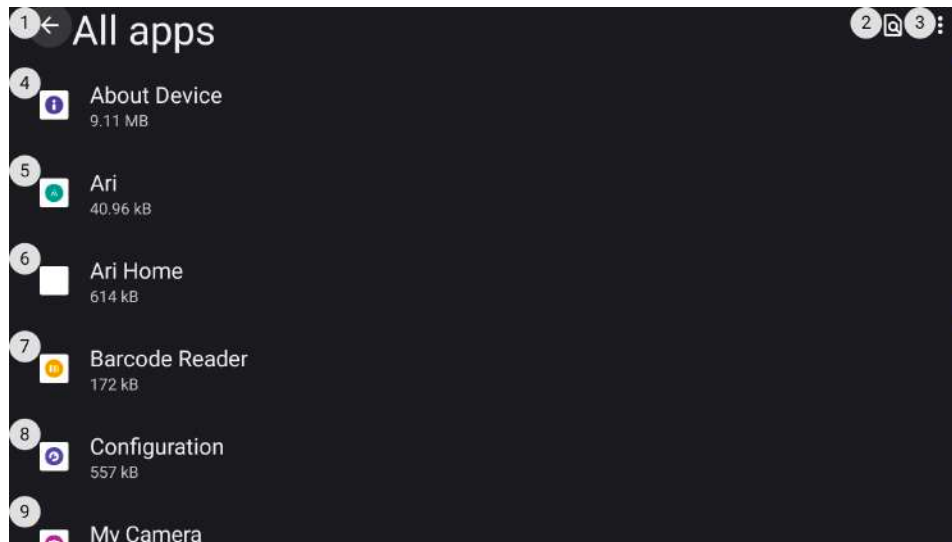
Connected devices settings allow you to connect devices to RealWear Arc 3. Say “CONNECTED DEVICES” or “SELECT ITEM #” to open the app.



Connected Devices settings

6.2.9.3 Apps and Notifications Settings

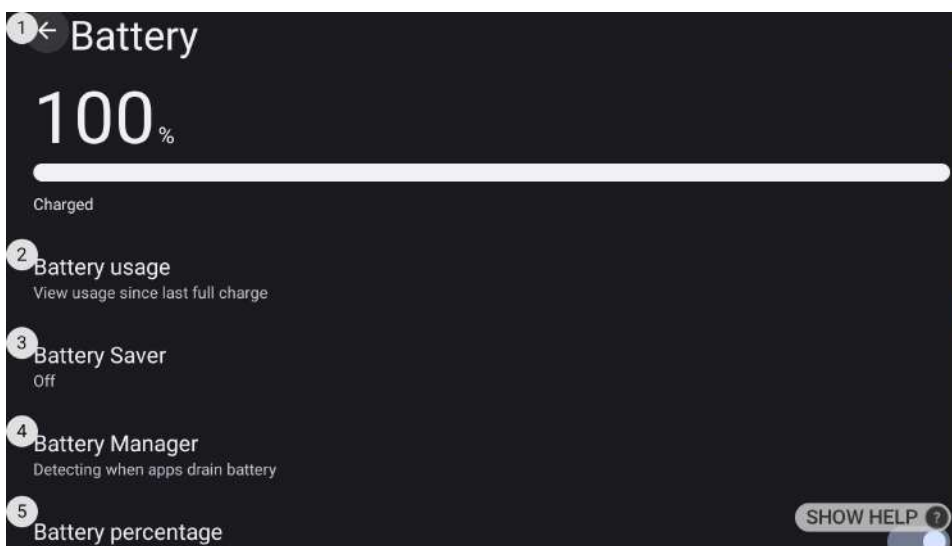
Apps and notifications settings allow you to view installed apps and device notifications. Say “APPS AND NOTIFICATIONS” or “SELECT ITEM #” to open the app.



Apps and Notifications settings

6.2.9.4 Battery Settings

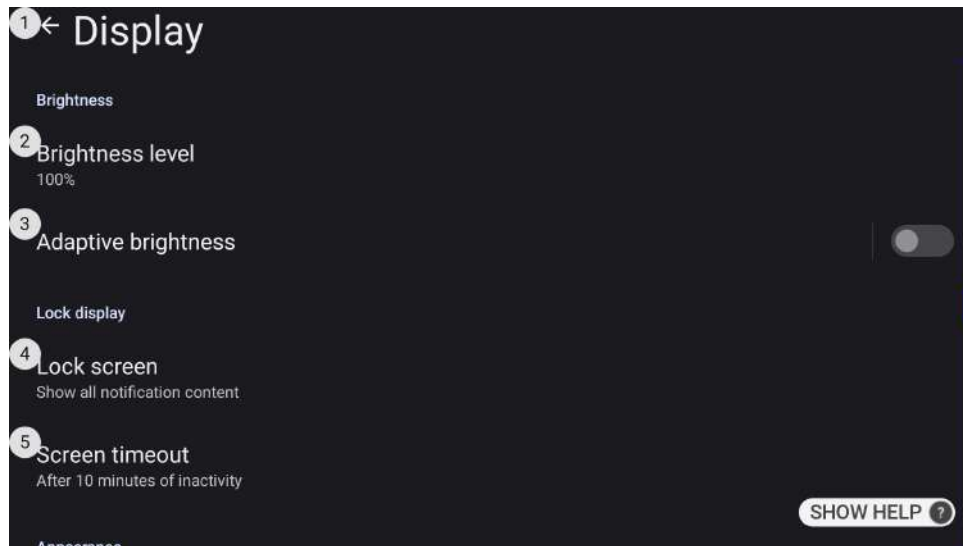
Battery settings allow you to view and change battery settings. Say “BATTERY” or “SELECT ITEM #” to open the app.



Battery settings

6.2.9.5 Display Settings

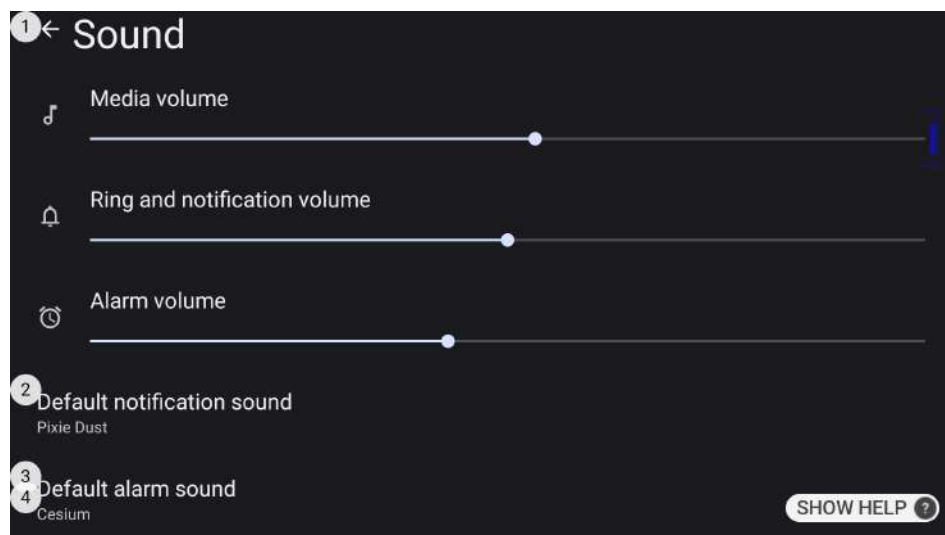
Display settings allow you to change display and font settings. Say “DISPLAY” or “SELECT ITEM #” to open the app.



Display settings

6.2.9.6 Sound Settings

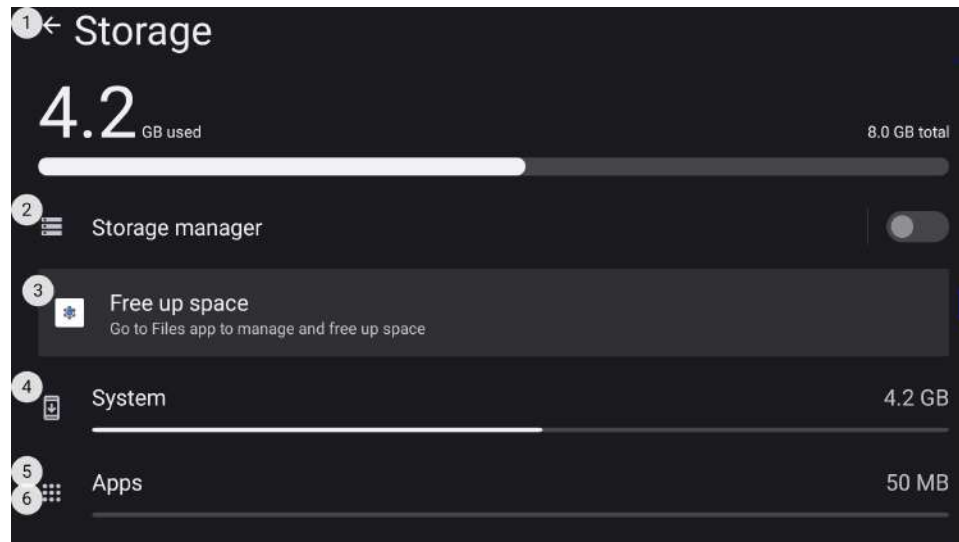
Sound settings allow you to change volume levels and sound notifications. Say “SOUND” or “SELECT ITEM #” to open the app.



Sound settings

6.2.9.7 Storage Settings

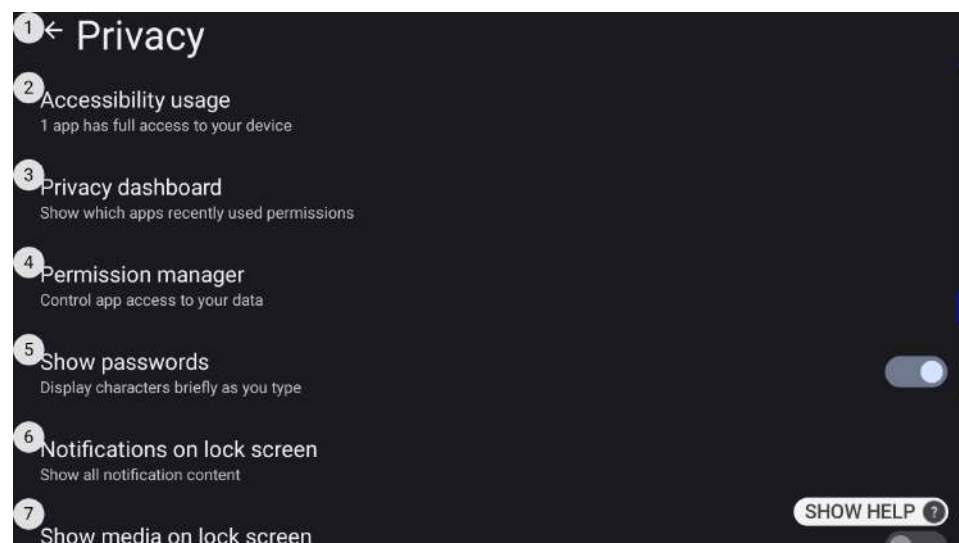
Storage settings allow you to view internal (on-device) and external (micro SD card) storage usage and capacity. Say “STORAGE” or “SELECT ITEM #” to open the app.



Storage settings

6.2.9.8 Privacy Settings

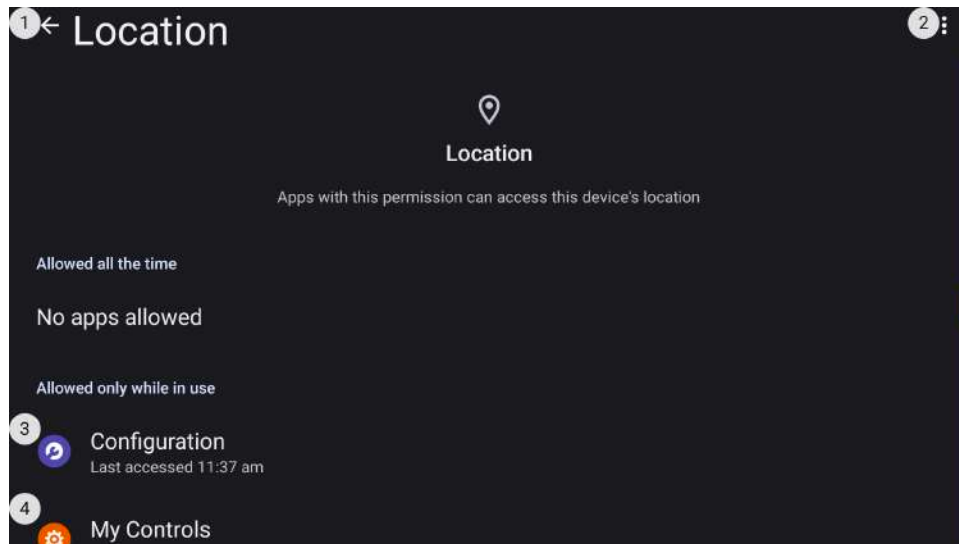
Privacy settings allow you to change permissions, password settings, and lock screen notifications. Say “PRIVACY” or “SELECT ITEM #” to open the app.



Privacy settings

6.2.9.9 Location Settings

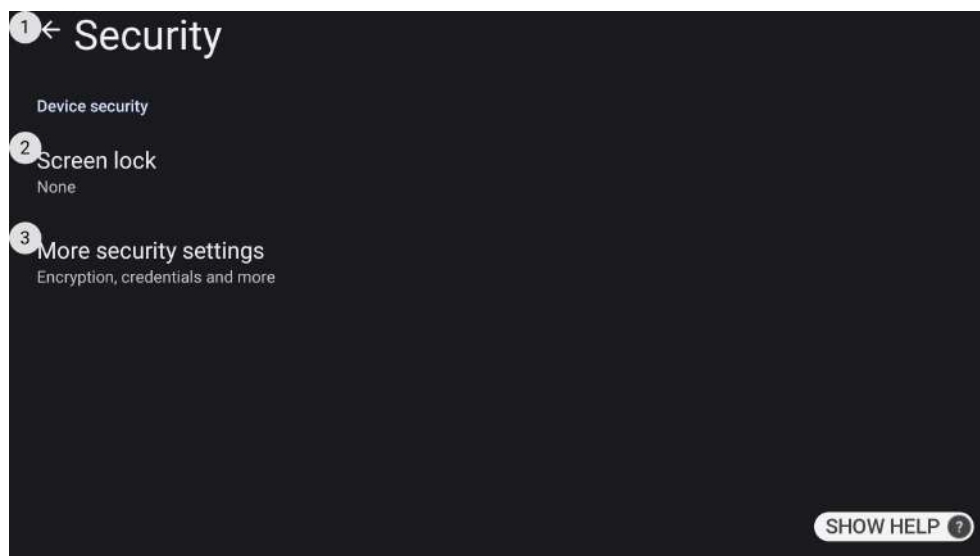
Location settings allow you to view app location information, and to enable Wi-Fi and Bluetooth scanning. Say “LOCATION” or “SELECT ITEM #” to open the app.



Location settings

6.2.9.10 Security Settings

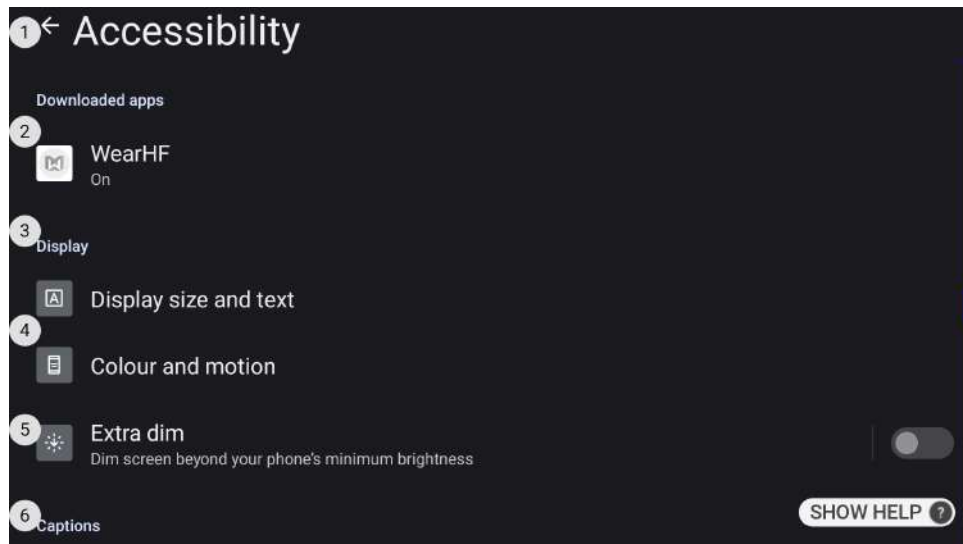
Security settings allow you to configure your device security settings. Say “SECURITY” or “SELECT ITEM #” to open the app.



Security settings

6.2.9.11 Accessibility Settings

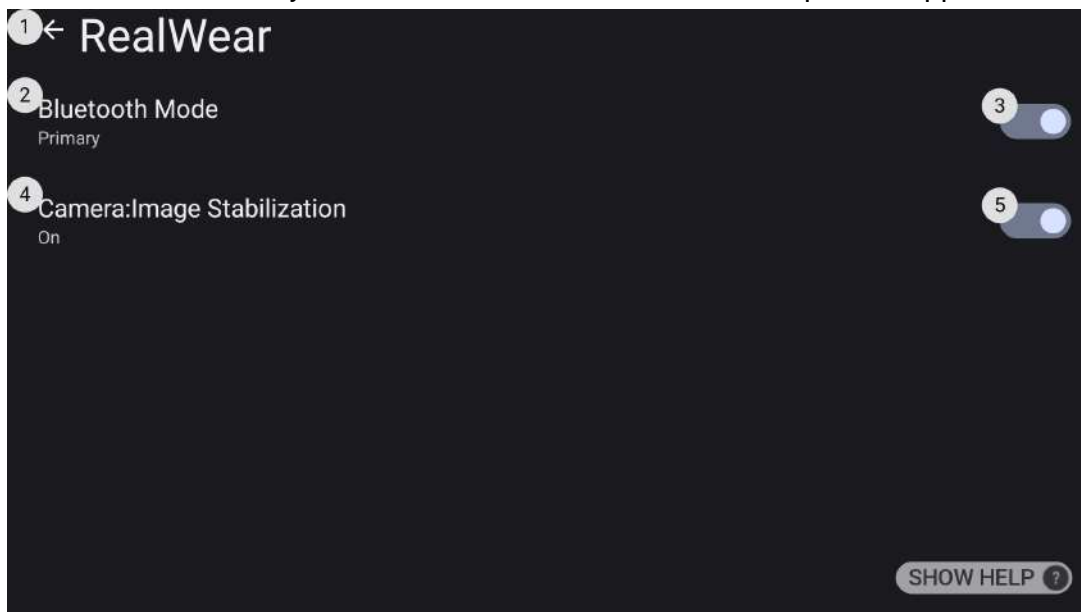
Accessibility settings allow you to change the device accessibility settings. Say “ACCESSIBILITY” or “SELECT ITEM #” to open the app.



Accessibility settings

6.2.9.12 RealWear Settings

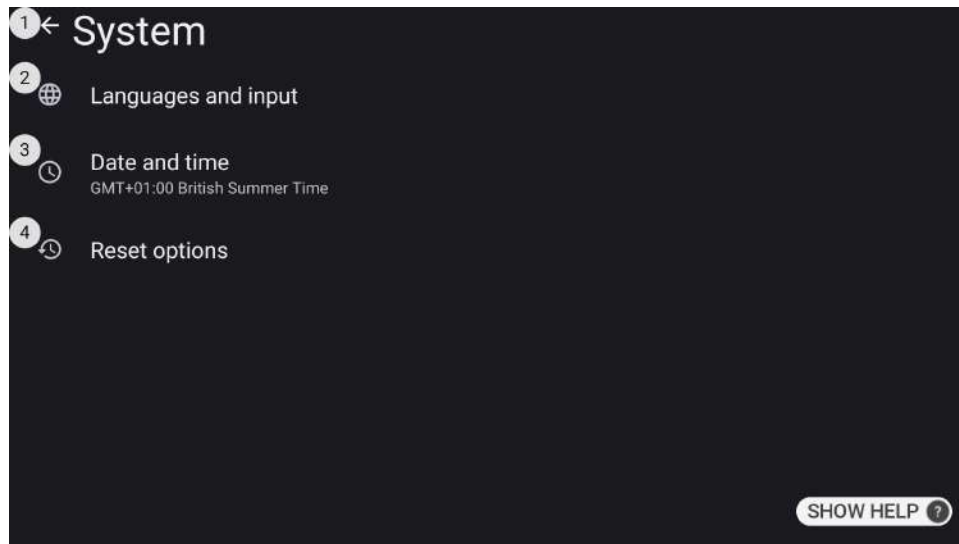
RealWear settings allow you to toggle settings for Bluetooth, storage, and some camera features. Say “REALWEAR” or “SELECT ITEM #” to open the app.



RealWear settings

6.2.9.13 System Settings

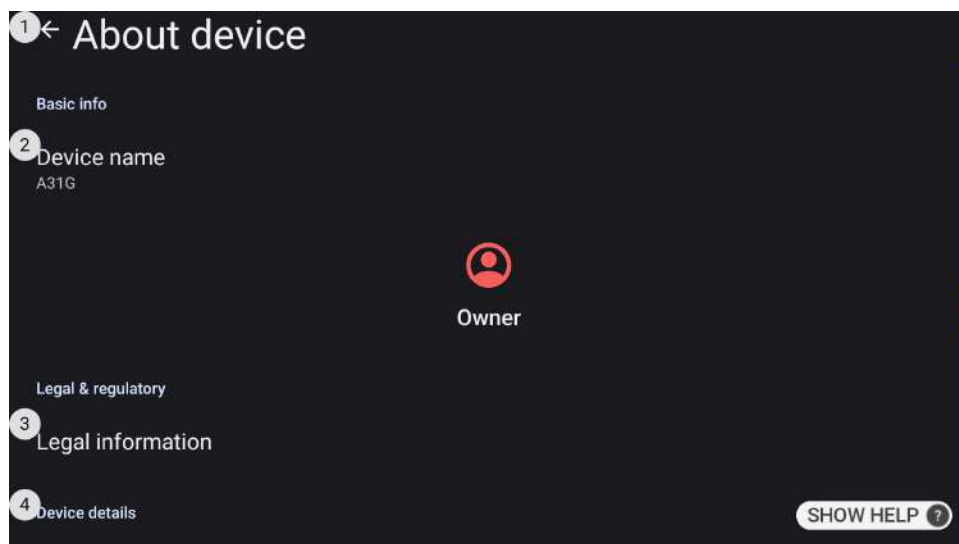
System settings allow you to change languages, date, or time, or to reset your device. Say “SYSTEM” or “SELECT ITEM #” to open the app.



System settings

6.2.9.14 About Device

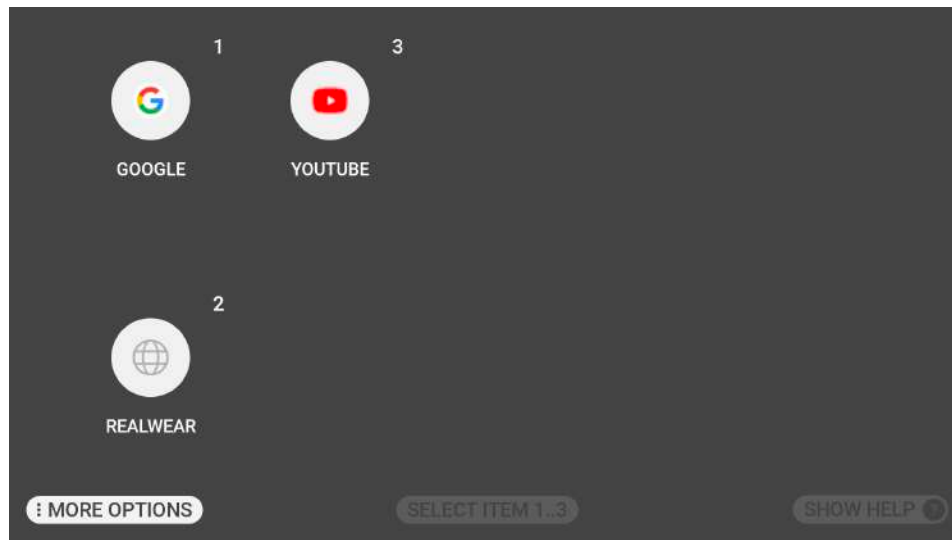
About Device displays device information and emergency contact information. Say “ABOUT DEVICE” or “SELECT ITEM #” to open the app.



About Device

6.2.10 Web Apps App

The **Web Apps** app allows you to view web applications stored on your device. Say “WEB APPS” or “SELECT ITEM FIFTEEN” to open the app.



Web Apps app

6.2.11 Wireless Update App

The **Wireless Update** app allows you to check for device updates over Wi-Fi. Say “WIRELESS UPDATE” or “SELECT ITEM SIXTEEN” to open the app.

Note: For more information, go to <https://support.realwear.com/knowledge/realwear-releases>



Wireless Update app

6.3 My Camera

My Camera is a hands-free application for taking photographs and videos. From the Home Screen or from the My Programs screen, say "MY CAMERA" to launch the My Camera application. When My Camera is launched, a live view of the RealWear Arc 3™ camera optical input will be visible in the RealWear Arc 3 display pod.

The camera Heads-Up Display (HUD) provides the following camera controls and settings:

- Exposure level
- My files
- Preview
- Record video
- Take photo
- Telephoto
- Zoom level

6.3.1 Take a Photo

Say "TAKE PHOTO" to take a photo.

*Note: The photo is automatically saved to the **Camera** folder in **My Photos**.*



Photo HUD

6.3.1.1 Exposure Level

Say “EXPOSURE LEVEL [-2 to +2]” to adjust the camera exposure level. Exposure levels help the camera adapt to different environmental situations.



“EXPOSURE LEVEL 2” command



“EXPOSURE LEVEL MINUS 2” command

Photo voice commands

Voice Command	Action
"EXPOSURE LEVEL [-2 to +2]"	Adjusts exposure level. The screen will immediately show the results of the exposure level change. The default exposure level is 0.
"MY FILES"	Opens the My Files location.
"PREVIEW"	Opens the recent photo or video shown in the preview thumbnail.
"TAKE PHOTO"	Captures a photo.
"TELEPHOTO"	Single zoom with greater precision and accuracy.
"ZOOM LEVEL [1 to 5]"	Adjusts the zoom level.

6.3.2 Record a Video

To record a video, do the following:

*Note: The video is automatically saved to the **Camera** folder in **My Media**.*

1. Say "RECORD VIDEO" to begin recording a video.
2. Say "STOP RECORDING" to stop recording the video.



Video HUD

Video voice commands

Voice Command	Action
"PREVIEW"	Opens the recent video shown in the preview thumbnail.
"RECORD VIDEO"	Starts recording video.
"STOP RECORDING"	Stops recording video.
"ZOOM LEVEL [1 to 5]"	Adjusts the zoom level.

6.3.3 Photo and Video Preview

When a video or photo is captured, an image preview window appears on the right side of the display. While the preview image is visible, say "PREVIEW" to open the image.

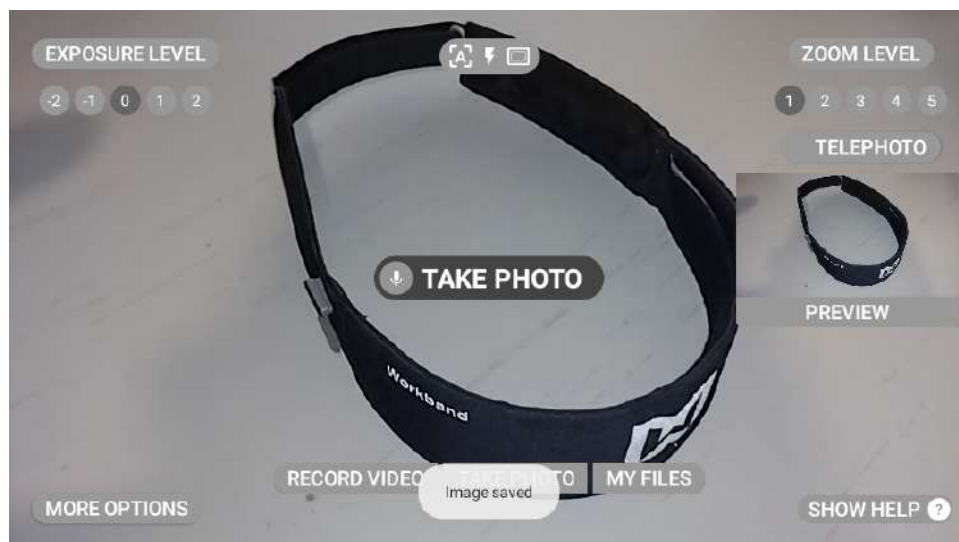


Image preview window

6.3.4 More Options

Say “MORE OPTIONS” to display additional camera adjustment settings.

The following additional camera options are available:

- Aspect ratio
- Field of View (FOV)
- Frame rate
- Image resolution
- Video resolution
- Video stabilization



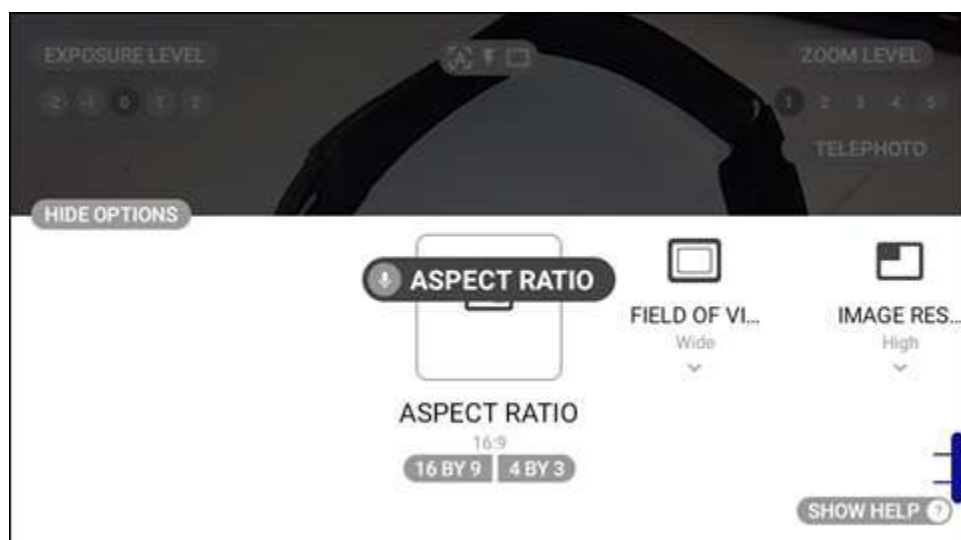
“MORE OPTIONS” command

More Options voice commands

Voice Command	Action
"ASPECT RATIO"	Opens the settings menu for aspect ratio.
"FIELD OF VIEW"	Opens the settings menu for FOV.
"FRAME RATE"	Opens the settings menu for frame rate.
"IMAGE RESOLUTION"	Opens the settings menu for image resolution.
"MORE OPTIONS"	Opens the Camera Options panel.
"VIDEO RESOLUTION"	Opens the settings menu for video resolution.
"VIDEO STABILIZATION"	Opens the settings menu for video stabilization.

6.3.4.1 Aspect Ratio

Say "ASPECT RATIO" to view the aspect ratio options.



"ASPECT RATIO" command

6.3.4.2 Field of View

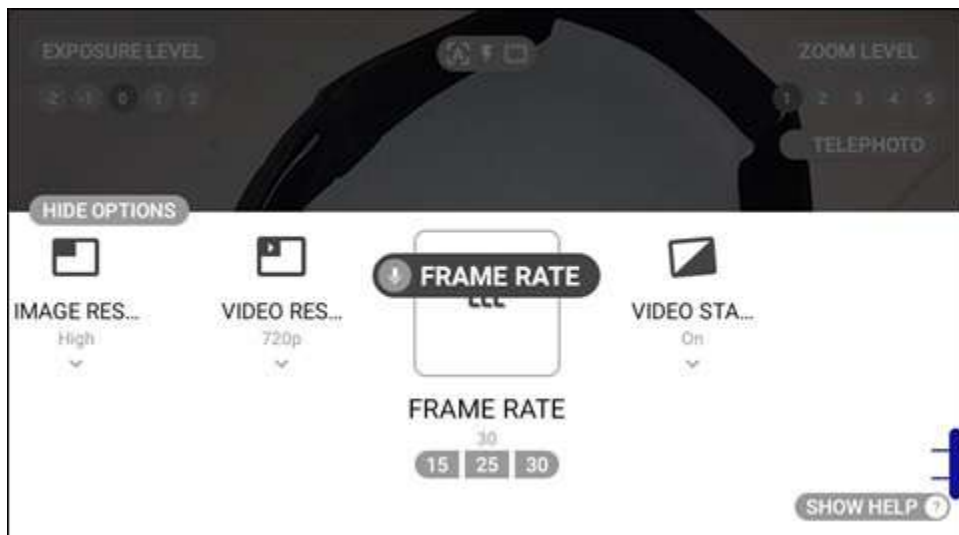
Say “FIELD OF VIEW” to view the FOV options. To change the FOV, say “WIDE” or “NARROW”.



“FIELD OF VIEW” command

6.3.4.3 Frame Rate

Say “FRAME RATE” to view the frame rate options. To change the frame rate, say “FIFTEEN”, “TWENTY FIVE”, or “THIRTY”.



“FRAME RATE” command

6.3.4.4 Image Resolution

Say “IMAGE RESOLUTION” to view the image resolution options. To change the image resolution, say “HIGH” or “LOW”.



“IMAGE RESOLUTION” command

6.3.4.5 Video Resolution

Say “VIDEO RESOLUTION” to view the video resolution options. To change the video resolution, say “FOUR EIGHTY P”, “SEVEN TWENTY P”, or “TEN EIGHTY P”.



“VIDEO RESOLUTION” command

6.3.4.6 Video Stabilization

Say “VIDEO STABILIZATION” to view the video stabilization options. To turn video stabilization ON or OFF, say “ON” or “OFF”, respectively.

Note: Video stabilization provides compensation for movement for smoother video recording.

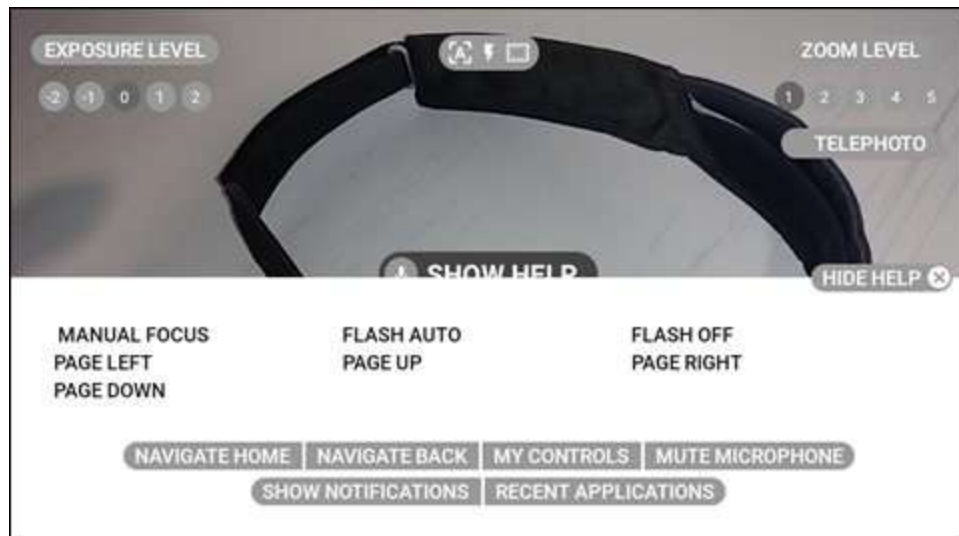


“VIDEO STABILIZATION” command

6.3.5 Additional Camera Commands

Say “SHOW HELP” to display the following additional camera commands:

- Auto focus
- Flash auto
- Flash OFF
- Flash ON
- Manual focus



"SHOW HELP" command

Additional camera voice commands

Voice Command	Action
"AUTO FOCUS"	Switches focus mode to auto.
"FLASH AUTO"	Switches flash mode to auto.
"FLASH OFF"	Turns flash OFF.
"FLASH ON"	Turns flash ON.
"HIDE HELP"	Hides the help menu.
"MANUAL FOCUS"	Switches focus mode to manual.
"SHOW HELP"	Displays the help menu.

6.3.5.1 Camera Flash

To turn ON the camera flash, say "FLASH ON". To turn OFF the camera flash, say "FLASH OFF". To use the camera light sensor to detect if a flash is required, say "FLASH AUTO".

Note: The default setting for the camera flash is OFF.

6.3.5.2 Manual Focus

To turn ON manual focus, say “MANUAL FOCUS”.

Note: Say “AUTO FOCUS” to return to automatically focus the camera. Auto focus is the default camera setting.



“MANUAL FOCUS” command

With manual focus turned ON, say “FOCUS POINT [1 to 9]” to set the camera focus point.

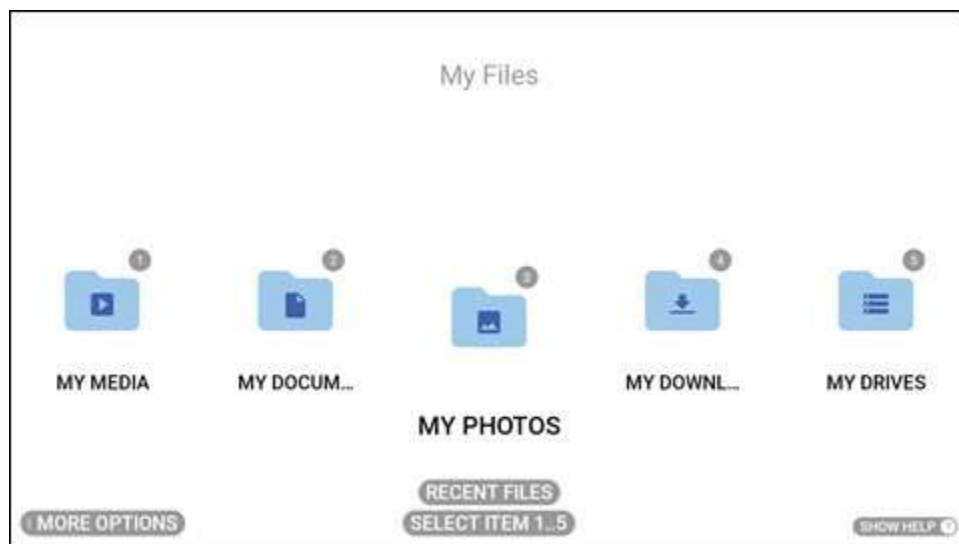


“FOCUS POINT [1 to 9]” command

6.4 My Files

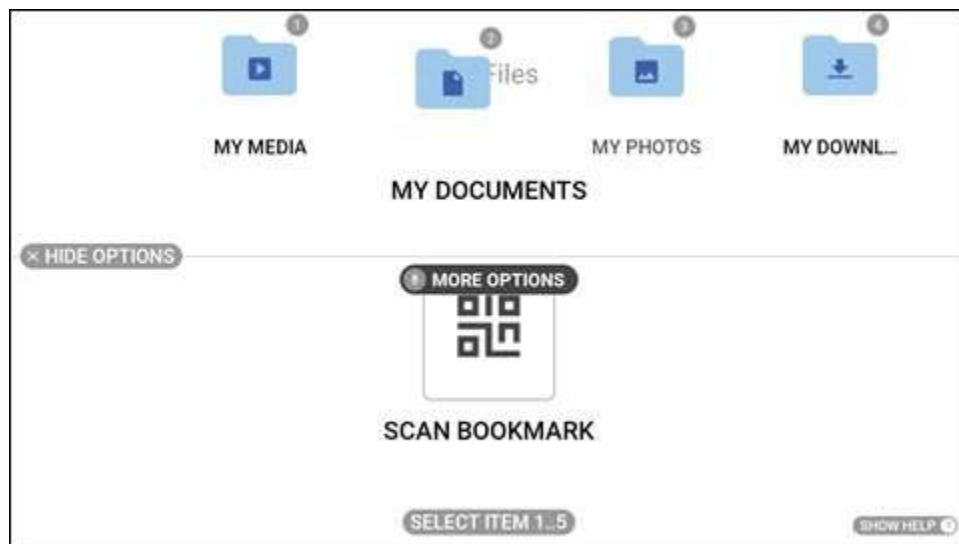
View documents, photos, and video files locally stored or stored on an installed micro SD card using the **My Files** app.

Launch **My Files** from the Home Screen or My Programs. The **My Files** screen shows the **My Media**, **My Documents**, and **My Photos** folders.



My Files

Say "MORE OPTIONS" to open the options panel and access the Scan Bookmark tool. Say "RECENT FILES" for quick access to any recently opened file.



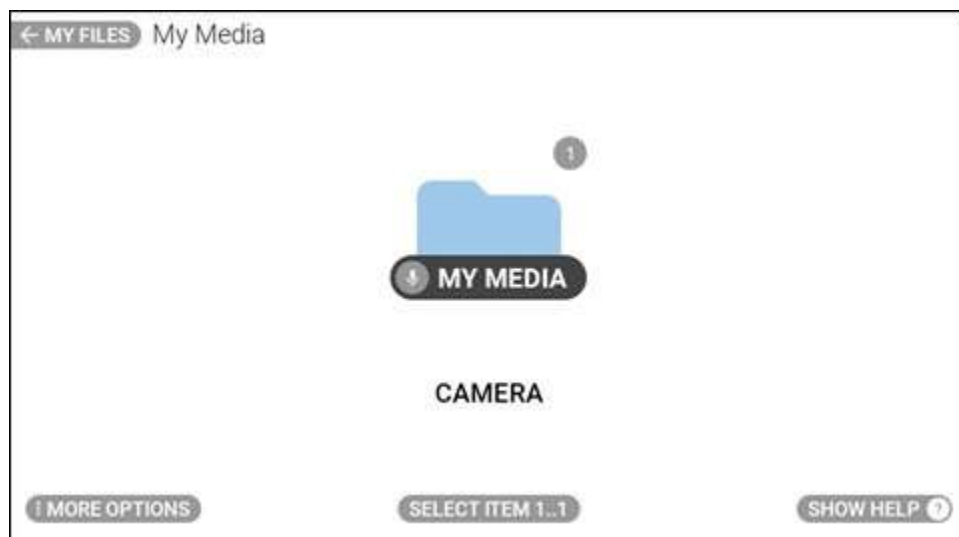
"MORE OPTIONS" command

File browser voice commands

Voice Command	Action
"BACK ONE LEVEL"	Navigates to the previous folder in the folder tree.
"MORE OPTIONS"	Displays contextual options for each view.
"MY DOCUMENTS"	Displays files stored in the My Documents folder.
"MY MEDIA"	Displays files stored in the videos folder and videos recorded using the RealWear Arc 3™ camera and stored in DCIM folder.
"MY PHOTOS"	Displays files stored in the photos folder and still images captured using the RealWear Arc 3 camera.
"RECENT FILES"	Displays recent files.
"SHOW HELP"	Displays extra commands.

6.4.1 My Media Folder

The **Camera** folder, located in the **My Media** folder, contains a list of video and audio files taken with RealWear Arc 3™. Say "MY MEDIA" to open the **My Media** folder.



"MY MEDIA" command

6.4.1.1 Media Player

An audio or video file from My Media is played using the media player. Say "SELECT ITEM #" to select a file. For example, to select the first item, say "SELECT ITEM ONE".

6.4.1.1.1 Video Playback



Video file



Video playback

Video playback voice commands

Voice Command	Action
"SELECT VOLUME [1 to 10]"	Sets the default volume level of the device. For example, to set the volume to 3, say "SELECT VOLUME 3".
"SHOW HELP"	Displays extra commands.
"VIDEO FORWARD"	Fast forwards the video 30 seconds.
"VIDEO PAUSE"	Pauses video while playing.
"VIDEO PLAY"	Plays paused video.
"VIDEO REWIND"	Rewinds the video 30 seconds.
"VIDEO STOP"	Stops the video and returns to the My Media screen

6.4.2 My Documents Folder

The **My Documents** folder contains PDF and image files stored on RealWear Arc 3. Say "MY DOCUMENTS" to open the **My Documents** folder. Say "SELECT ITEM #" to select a file.



"MY DOCUMENTS" command

6.4.2.1 Document Viewer

Open PDF files and image files using document viewer with hands-free control. If you select a PDF or image file from **My Documents** or **My Photos**, it is opened with Document Viewer.

Open a file by using the "SELECT ITEM #" command or by saying the name of the document without the file extension.



Document Viewer

Document Viewer voice commands

Voice Command	Action
"GO TO PAGE #"	Scrolls to the specified page.
"MY BOOKMARKS"	Displays the bookmarks saved in the device for the open document.
"NEXT PAGE"	Scrolls to the next page.
"PREVIOUS PAGE":	Scrolls to the previous page
"SHOW HELP"	Displays extra commands.
"VIEW NEXT"	Switches to the next document.
"VIEW PREVIOUS"	Switches to the previous document.

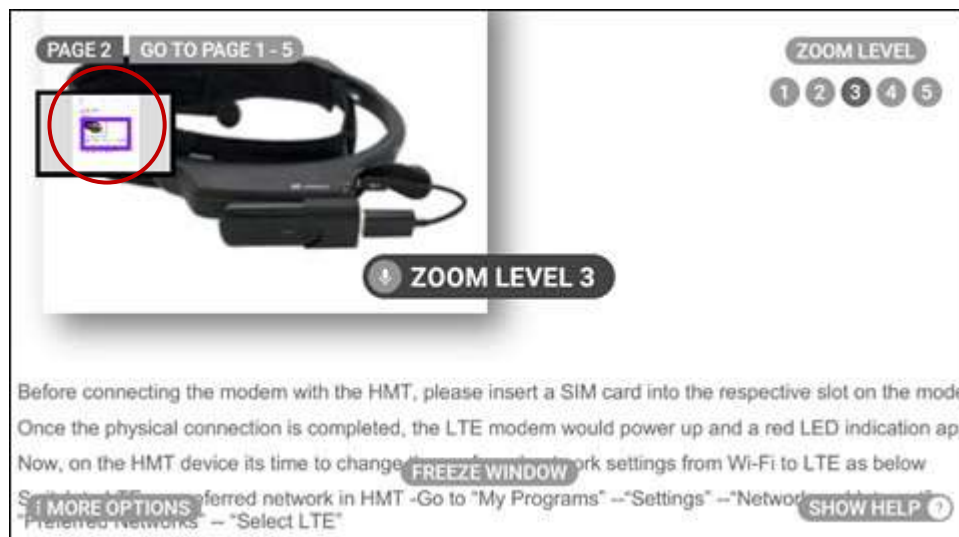
6.4.2.1.1 Zooming and Panning

To zoom in say "ZOOM LEVEL #", selecting a level from 1 to 5. When a document is zoomed in at any level past level 1, you can move your head to view different areas of the document.

A small thumbnail will appear in the upper left part of the screen with a purple rectangle representing the current view.

If you want to lock the location of the document, say, "FREEZE WINDOW". You can then move your head while the view is frozen.

To return to panning say, "CONTROL WINDOW". Even when frozen, the view can be zoomed in or out. To return a zoomed in window to the exact center say, "RESET WINDOW".



Zoomed view with thumbnail

Zooming and panning voice commands

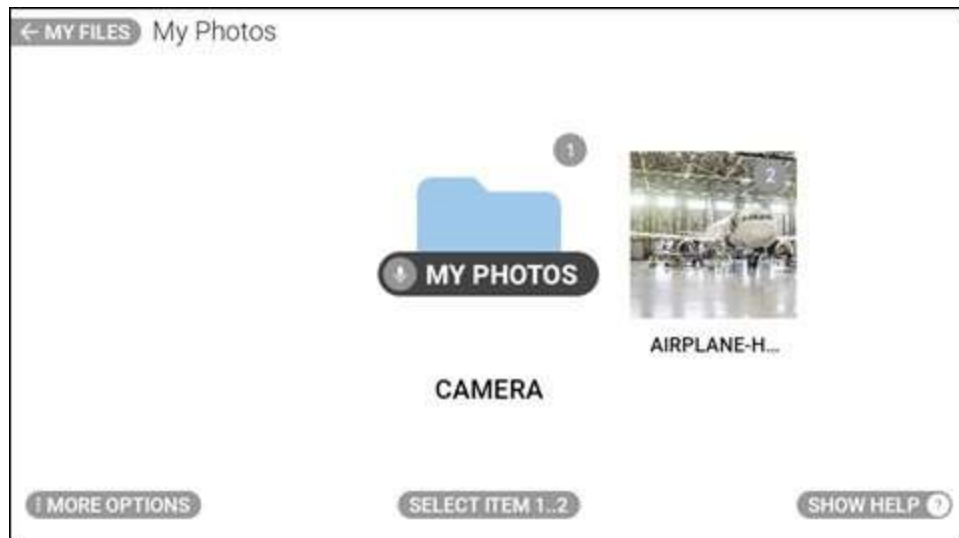
Voice Command	Action
"CONTROL WINDOW"	Unfreezes the document and enables document scrolling in response to head gestures.
"FREEZE WINDOW"	Prevents the document from scrolling in response to head gestures.
"RESET WINDOW"	Moves the zoomed in window to the center of the full size document.
"ZOOM LEVEL [1 to 5]"	Zooms the document view size by setting the level to specific value.

6.4.3 My Photos Folder

The **My Photos** folder contains all still image files organized into folders in supported formats. Say "MY PHOTOS" to open the **My Photos** folder. By default, the **Camera** folder appears.

*Note: Images copied to the SD card are stored outside the **Camera** folder. Images taken with the **My Camera** app are stored inside the **Camera** folder.*

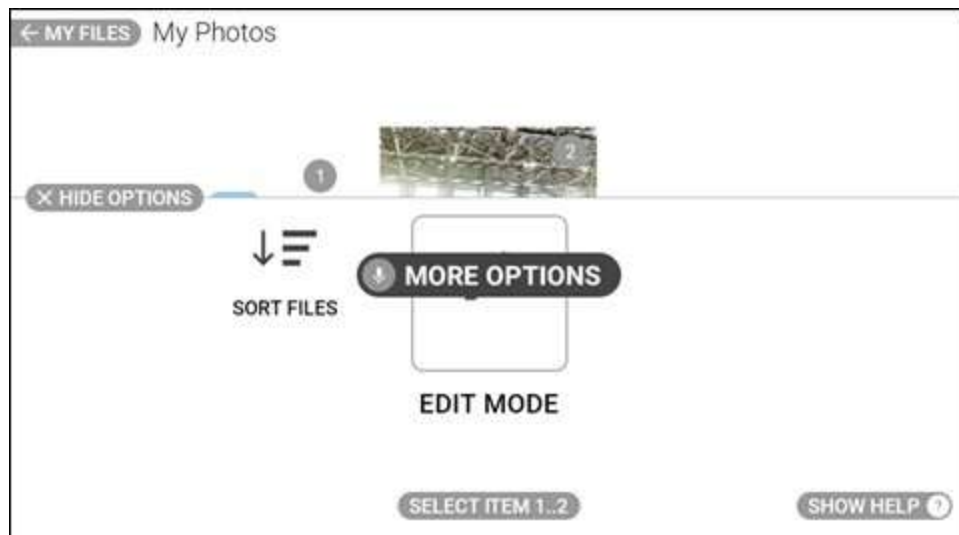
Browse images by looking left or right, then say "SELECT ITEM #" to open the applicable file. Say "CAMERA" to open the Camera folder.



"MY PHOTOS" command

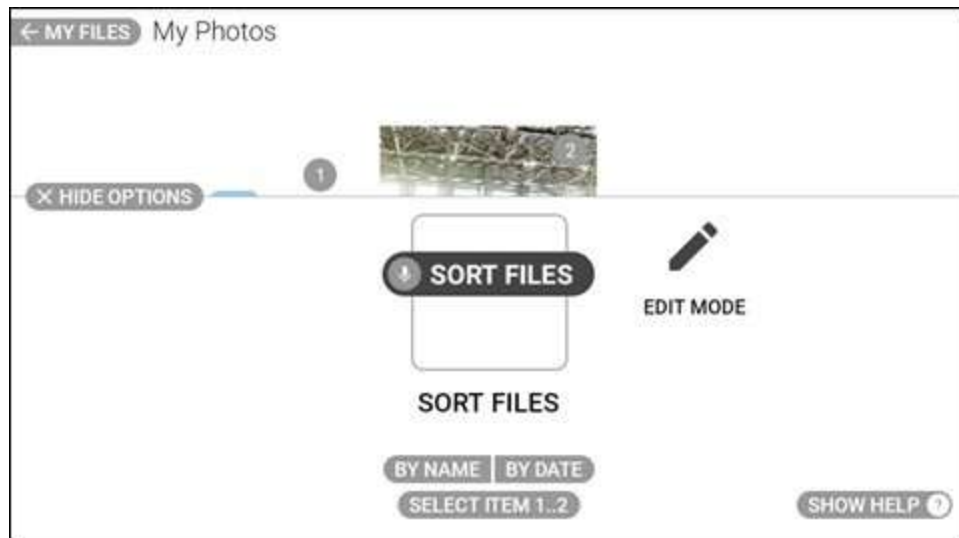
6.4.3.1 More Options

Say "MORE OPTIONS" to edit or sort the files.



"MORE OPTIONS" command

Say "SORT FILES" to sort the image files by name or by date. For Edit Mode instructions, go to [section 8.6 Deleting Files](#) .



"SORT FILES" command

More Options voice commands

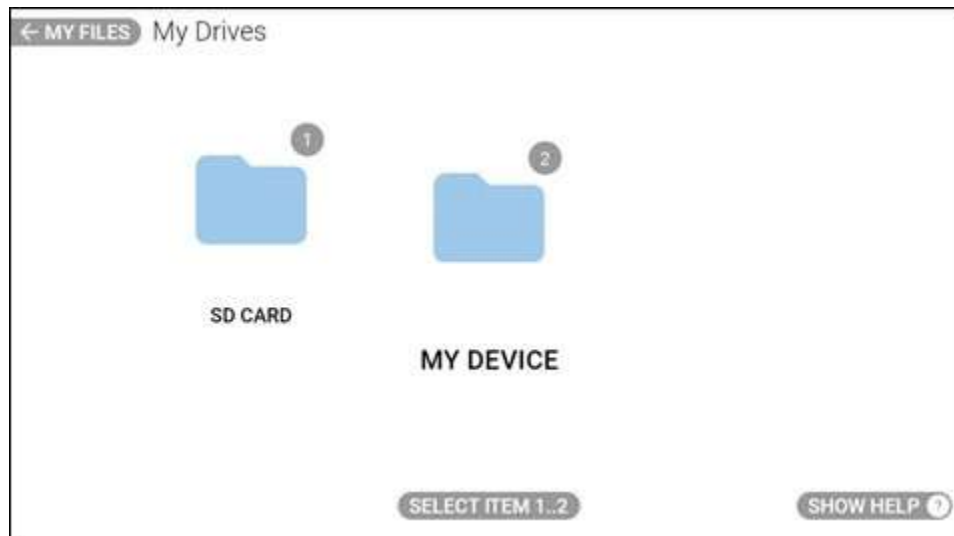
Voice Command	Action
"EDIT MODE"	Open the file editing menu.
"SORT FILES"	Open the file sorting menu.

6.4.4 My Downloads Folder

The **My Downloads** folder contains all the downloads made to your device. Say "MY DOWNLOADS" to open the **My Downloads** folder.

6.4.5 My Drives Folder

The **My Drives** folder contains all the drives saved, both locally to your device and externally to your micro SD card. Say “MY DRIVES” to open the **My Drives** folder.



My Drives folder contents

6.4.6 Deleting Files

Use Edit Mode to delete files from the **My Media**, **My Documents**, and **My Photos** folders.

To use Edit Mode to delete files, do the following:

1. Go to the applicable folder.



My Documents example

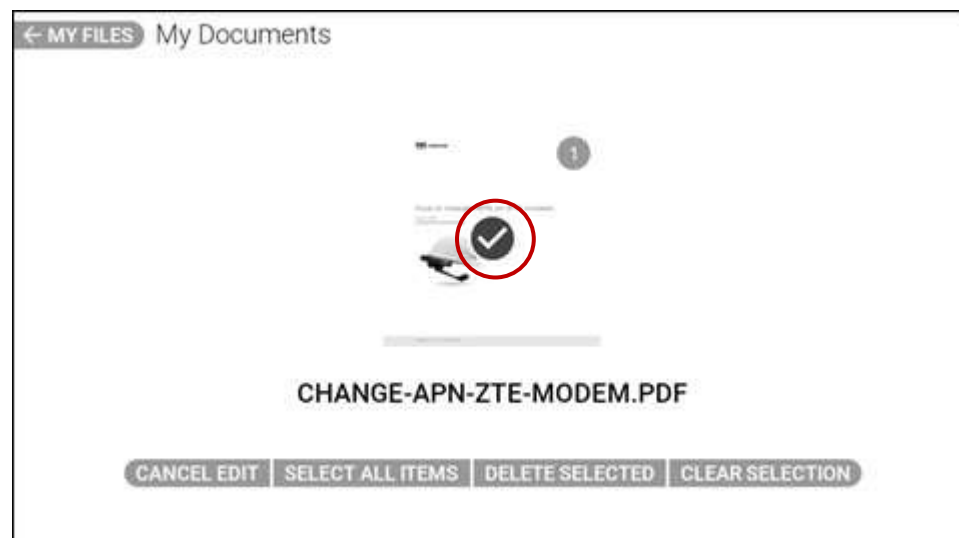
2. Say "MORE OPTIONS".
3. Say "EDIT MODE" to select one or more of the files shown.



"EDIT MODE" command

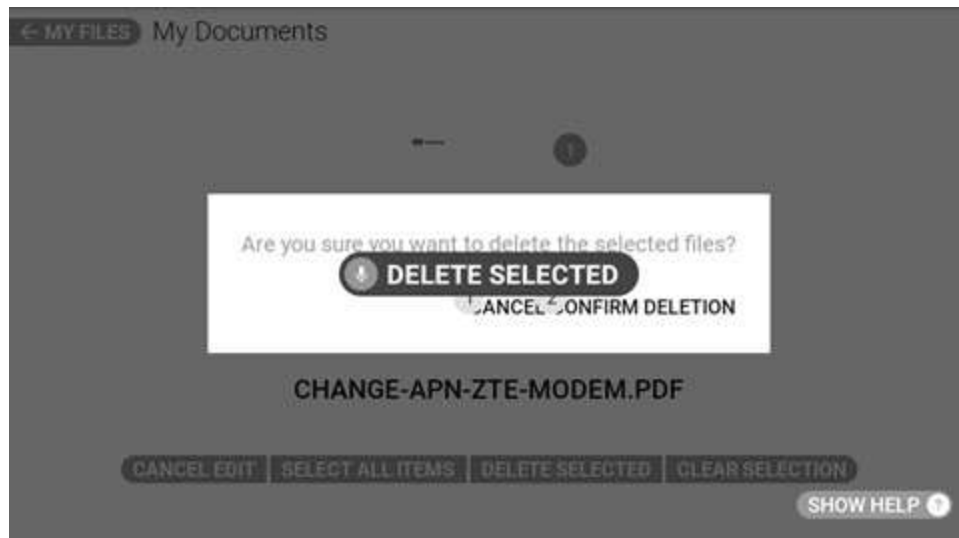
4. Say "SELECT ITEM #" to select the applicable file. A checkmark indicates the file is selected.

Note: To select all files in the folder, say "SELECT ALL ITEMS".



Document selected example

5. Say "SELECT ITEM #" again to select additional files, as required.
6. To delete the selected files, say "DELETE SELECTED".



"DELETE SELECTED" command

7. Say "CONFIRM DELETION" to permanently delete the selected files.
8. To cancel deleting the selected files, say "CANCEL".



"CANCEL" command

9. Say "CANCEL EDIT" to exit Edit Mode.

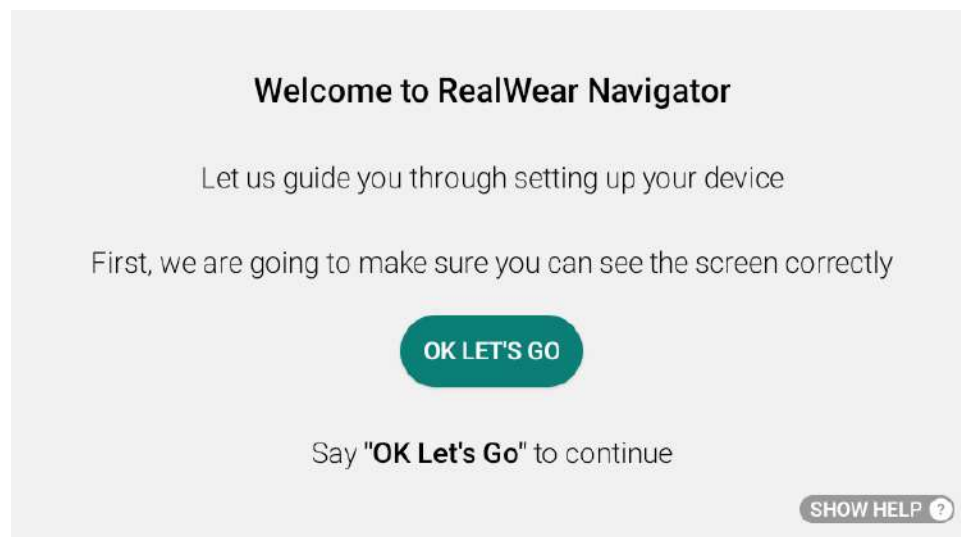
Edit Mode voice commands

Voice Command	Action
"CANCEL"	Cancels deletion of the selected file.
"CANCEL EDIT"	Exit Edit Mode.
"CLEAR SELECTION"	Deselects the selected files.
"CONFIRM DELETION"	Confirm deletion of the selected file.
"DELETE SELECTED"	Delete selected item.
"MORE OPTIONS"	Open the Options panel.
"SELECT ALL ITEMS"	Select all items in the opened folder.
"SELECT ITEM #"	Select an item by the corresponding number.

6.5 My Training

My Training walks new users through simple and easy to use step-by-step instructions on how to configure RealWear Arc 3™. Say "MY TRAINING" from the Home screen to open the **My Training** app.

To use the My Training app, follow the instructions that appear on the screen.



Start page

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7 Safety and Usage Guidelines

7.1 Health and Safety Warnings

	WARNING Do not use the display while operating any vehicle. While in a vehicle in motion or actively operating any equipment, make sure the boom arm or display pod is sufficiently out of your line of sight.
	WARNING Eye protection is recommended in hazardous work environments. Use of eye protection is up to the respective business operations and occupations of each end user.
	WARNING Stop using the RealWear Arc 3™ immediately if you experience a headache, vertigo, dizziness, or nausea.

The RealWear Arc 3 is designed to operate in industrial environments; however, always make sure that you use extreme caution in your particular environment and be mindful and aware of your surroundings at all times.

Safety symbols

Symbol	Definition	Description
	Disposal of Old Electrical and Electronic Equipment	The symbol of the crossed-out wheeled bin indicates that within the countries in the European Union, this product, and any enhancements marked with this symbol, cannot be disposed as unsorted waste but must be taken to separate collection at their end-of-life.
	Disposal of Battery	Please check local regulations for disposal of batteries. The battery should never be placed in municipal waste. Use a battery disposal facility if available.
	Guideline for Headphone and Earphone	To prevent possible hearing damage, do not listen at high volume levels for long periods.

7.2 Child Safety

Do not allow children to play with your device or its accessories. Keep it out of their reach. They could hurt themselves or others or could accidentally damage the device or accessories. Your device and its accessories may contain small parts, which could be detached and create a choking hazard.

7.3 Battery and Charger Safety

7.3.1 Battery Performance

	WARNING Always use the correct battery model. There is a risk of explosion while charging if a battery other than the specified model is used.
---	--

	IMPORTANT If you purchase a power adapter to charge your device, make sure the power adapter meets the standard requirements.
---	---

A rechargeable battery powers your device. Always use only the original type of RealWear battery that came with the device. Use the battery only for its intended purpose. Never use any charger or battery that is damaged. If the battery is completely discharged, it may take a few minutes before the charging indicator appears on the display or before the device can be used. The full performance of a new battery is achieved only after 3 to 4 complete charge and discharge cycles. The battery can be charged and discharged for multiple cycles, but it will eventually wear out. Unplug the charger from the electrical plug and the device when not in use. Ensure that you do not leave the fully charged battery connected to the charger. If left unused, a fully charged battery will lose its charge over time.

7.3.2 Avoid High Temperatures

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. For the best results, try to keep the battery between -20°C and +45°C. A device with a hot or cold battery may not work temporarily, even when the battery is fully charged. Battery performance is particularly limited in temperatures well below freezing.

7.3.3 Charger Use Safety Instructions

WARNING
 The charger can cause electrical shock when used incorrectly. To correctly use the charger, do the following: • Make sure that the cable plug is properly connected. • Keep the charger away from liquids. • In case of any strange smell or noise from the charger, disconnect it and contact support. • Before cleaning the cable or charger, disconnect from power supply. • When using an extension cable, check the integrity of the ground conductor. • Disconnect the charger from RealWear Arc 3 once the battery is fully charged. • Do not use this charger in wet areas This charger is for indoor use only. • Do not insert or remove the plug with wet hands. • Do not open the charger. For any issues, contact support. • Do not cut, break, or bend the cable in a knot. • Do not put any objects on the cable that may let it overheat. It may damage the cable and cause fire or electrocution. • Do not use any cable other than the original cable as it may cause short circuit or electrocution.

8 Device Care

8.1 Device Cleaning

8.1.1 Hard Surface Cleaning

	WARNING
	Never submerge RealWear Arc 3. Make sure all covers are securely shut when cleaning the device.

Use any of the following to wipe down the RealWear Arc 3 hard surfaces:

- Damp cloth and mild soap
- Isopropyl alcohol wipes

8.1.1.1 Optical system and Camera Cleaning

Use any of the following to wipe down the RealWear Arc 3 display and camera:

- Microfiber cloth
- Dry cloth and screen cleaner solution

8.1.2 Fabric Cleaning

Clean the padding with isopropyl alcohol wipes, as required. The padding will require replacement with normal wear over time. Go to <https://shop.realwear.com> to order a replacement padding, as required.

8.1.3 Accessories Cleaning

Go to <https://shop.realwear.com> to order replacement parts, as required..

8.2 Device Storage

To properly store RealWear Arc 3, do the following:

- Store the device in a cool, dry place.
- Store the device on a level surface or hang it securely on a wall.
- Store it in its protective case

9 Ownership Information

	IMPORTANT
	All communications, notices and legal agreements have the meaning provided in the English language; translations into other languages are for convenience only. If there is any discrepancy between the translated and English version, the English version will prevail.

9.1 Models Covered

The information contained herein covers the following RealWear Arc 3 model:

A31G

You can find the RealWear Arc 3 model on one of the two device labels . Serial numbers are 15 characters in length.

9.2 Regulatory and Compliance Statements

9.2.1 FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures: • Reorient or relocate the receiving antenna. • Increase the separation between the equipment and receiver. • Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. • Consult the dealer or an experienced radio/TV technician for help.

9.2.2 FCC Caution

10. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

11. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

9.2.3 English IC Statement

12. This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
 - a. This device may not cause interference.
 - b. This device must accept any interference, including interference that may cause undesired operation of the device.
13. This Class B digital apparatus complies with Canadian ICES-003(B) / NMB-003(B).
14. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter, except tested built-in radios.
15. The Country Code Selection feature is disabled for products marketed in the US/Canada.

9.2.4 Français IC Statement

16. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
 - a. l'appareil ne doit pas produire de brouillage, et 90 .
17. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
18. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.
19. Cet appareil et son antenne ne doivent pas être situés ou fonctionner en conjonction avec une autre antenne ou un autre émetteur, exception faites des radios intégrées qui ont été testées.
20. La fonction de sélection de l'indicatif du pays est désactivée pour les produits commercialisés aux États-Unis et au Canada.

9.2.5 English IC Statement for WLAN 5GHz Device

1. Operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.
2. The maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the EIRP limit.

3. The maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with the EIRP limits specified for point-to-point and non-point-to-point operation as appropriate.
4. The worst-case tilt angle(s) necessary to remain compliant with the EIRP elevation mask requirement set forth in Section 6.2.2(3) shall be clearly indicated.
5. Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

9.2.6 Français IC Statement for WLAN 5GHz Device

6. Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.
7. le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e.
8. le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5825 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.
9. les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, et énoncée à la section 6.2.2 3), doivent être clairement indiqués.
10. De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

9.3 Declarations of Conformity

9.3.1 EU Regulatory Conformance

We, RealWear, Inc., declare under our sole responsibility that the radio equipment model A31G is in conformity with Directive 2014/53/EU.

EU Declaration of Conformity

Manufacturer:

Name: RealWear, Inc.
Address: 600 Hatheway Road, Vancouver, WA, 98661

Radio Equipment:

Model: A31G
Description: Head Mounted Tablet
Radio-related Hardware Version: A
Radio-related Software Version: 1.0.5-15-TARC3.G
Supplied Accessories and Components: USB cable, Battery, EVA case

Specification of Accessory				
Battery 1	Brand Name	realwear	Model Name	B31G
Battery 2	Brand Name	realwear	Model Name	B31G-1
USB Cable	Brand Name	KeLi	Model Name	KLC-5118
EVA case	Brand Name	realwear	Model Name	N/A

We, RealWear, Inc., declare under our sole responsibility that the product described above is in conformity with the relevant Union harmonization legislations:

RE Directive (2014/53/EU), RoHS Directive (2011/65/EU)

The following harmonized standards and/or other relevant standards have been applied:

1. Health and Safety (Article 3.1(a) of the RE Directive)

- EN 50360:2017, EN 50360:2017/ A1 :2023
- EN 50566:2017, EN 50566:2017/ A1 :2023
- EN IEC 62311:2020, EN 50665:2017
- EN IEC 62368-1:2020+A11 :2020
- EN 50332-1 :2013, EN 50332-2 :2013

2. Electromagnetic compatibility (Article 3.1 (b) of the RE Directive)

- ETSI EN301489-1 V2.2.3
- ETSI EN 301 489-3 V2.3.2
- ETSI EN301489-17 V3.3.1
- EN 55032:2015+A11:2020
- EN 55035:2017+A11:2020
- EN IEC 61000-3-2 : 2019 + A1 : 2021
- EN 61000-3-3 : 2013 + A2 : 2021

3. Radio frequency spectrum usage (Article 3.2 of the RE Directive)

- ETSI EN 300 328 V2.2.2
- ETSI EN 301 893 V2.1.1
- ETSI EN 300 440 V2.2.1

4. Common Charger(Article 3.4 of the RE Directive)

- EN IEC 62680-1-3 :2022

5. RoHS Directive (2011/65/EU)

- EN IEC 63000:2018

The notified body (Name: Sporton International (USA) Inc., ID: 2907) performed the conformity assessment according to Annex III against the essential requirement Article 3.1(a), 3.1(b), 3.2 of the RE Directive and issued the EU-type examination certificate (Ref. No.: SN25C0222).

Signed for and on behalf of: RealWear, Inc.

Place: 600 Hatheway Road, Vancouver, WA, 98661, Date: August 20, 2025

Name: Helen Li, Function: Sr. Type Approval Manager, Signature: *Helen Li*

The local representative in EU is RealWear B.V. The address of office: Siriusdreef 17

2132WT, HOOFDORP NEDERLAND. Phone number: + 41 78 700 150 10

Email: Timon@realwear.com

Contact person: Timon Binder

9.3.2 UK Regulatory Conformance

We, RealWear, Inc., declare under our sole responsibility that the radio equipment model A31G is in conformity with statutory requirement RER 2017 (SE 2017/1206).

UK Declaration of Conformity

Manufacturer:

Name: RealWear, Inc.

Address: 600 Hatheway Road, Vancouver, WA, 98661

Radio Equipment:

Model: A31G

Description: Head Mounted Tablet

Radio-related Hardware Version: A

Radio-related Software Version: 1.0.5-15-T.ARC3.G

Supplied Accessories and Components: USB cable, Battery, EVA case

Specification of Accessory				
Battery 1	Brand Name	realwear	Model Name	B31G
Battery 2	Brand Name	realwear	Model Name	B31G-1
USB Cable	Brand Name	KeLi	Model Name	KLC-5116
EVA case	Brand Name	realwear	Model Name	N/A

We, RealWear, Inc., declare under our sole responsibility that the above product is in conformity with the relevant statutory requirements: RER 2017 (SI 2017/1206), RoHS regulations 2012(SI 2012/3032)

The following harmonized standards and/or other relevant standards have been applied:

1. Health and Safety (Regulation 6.1a)

- EN 50360:2017, EN 50360:2017/ A1 :2023
- EN 50566:2017, EN 50566:2017/ A1 :2023
- EN IEC 62311:2020, EN 50665:2017
- EN IEC 62368-1:2020+A11 :2020
- EN 50332-1 :2013, EN 50332-2 :2013

2. Electromagnetic compatibility (Regulation 6.1b)

- ETSI EN301489-1 V2.2.3
- ETSI EN 301 489-3 V2.3.2
- ETSI EN301489-17 V3.3.1
- EN 55032:2015+A11:2020
- EN 55035:2017+A11:2020
- EN IEC 61000-3-2 : 2019 + A1 : 2021
- EN 61000-3-3 : 2013 + A2 : 2021

3. Radio frequency spectrum usage (Regulation 6.2)

- ETSI EN 300 328 V2.2.2
- ETSI EN 301 893 V2.1.1
- ETSI EN 300 440 V2.2.1

4. RoHS regulations 2012(SI 2012/3032)

- EN IEC 63000:2018

The UK Approved body Sporton International (USA) Inc., with number 2907 has performed a conformity assessment in accordance with the procedures in Schedule 3 Module B against the essential requirements Regulation 6.1a, 6.1b, and 6.2 of the RER 2017 (SI 2017/1206), and issued the Type examination certificate: SN25A0078.

Signed for and on behalf of: RealWear, Inc.

Place: 600 Hatheway Road, Vancouver, WA, 98661

Date: August 20, 2025

Name: Helen Li, Function: Sr. Type Approval Manager, Signature: *Helen Li*

9.4 Specific Absorption Rate Information

9.4.1 United States Radiation Exposure Statement

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to Radio Frequency

(RF) energy set by the Federal Communications Commission of the U.S. Government. The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6 W/2.2 lbs. (1.6 W/kg). Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. No minimum separation distance needs to be maintained between the user's body and the device, including the antenna, during body-worn operation to comply with the RF exposure requirements in the United States and Canada. The limit recommended by FCC and IC is 1.6 W/2.2 lbs. (1.6 W/kg) averaged over 0.04 oz. (1 g) of tissue.

The highest SAR value of the RealWear Arc 3 for use by ear is 0.95 W/2.2 lbs. (0.95 W/kg) averaged over 0.04 oz. (1 g) of tissue.

9.4.2 Europe Radiation Exposure Statement

No minimum separation distance needs to be maintained between the user's body and the device, including the antenna during body-worn operation to comply with the RF Exposure requirements in Europe. The limit recommended by RED is 2 W/kg (2 W/2.2 lbs.) average over 10 g (0.4 oz.) of tissue.

The highest SAR value of the RealWear Arc 3 for use by the head is **0.092** W/kg, by the body is **0.520** W/kg, limbs SAR is 2.232 W/kg.

Canada Radiation Exposure Statement

The product complies with the Canada portable RF exposure limit set forth for an uncontrolled environment and is safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

9.4.3 Déclaration d'exposition aux radiations

Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les États-Unis et le Canada établies pour un environnement non contrôlé. Le produit est sûr pour un fonctionnement tel que décrit dans ce manuel. La réduction aux expositions RF peut être augmentée si l'appareil peut être conservé aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.

9.5 Limited Warranty and Software License

Please visit <https://www.realwear.com/legal/terms-of-sale/> for full limited warranty and software license information.



Manufacturer: RealWear, Inc.

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