OrCam User Guide

Version 3.0

ORCAM

SEE FOR YOURSELF

FCC Compliance

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 or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician.

FCC Warning

Modifications not expressly approved by the manufacturer could void the user authority to operate the equipment under FCC Rules.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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Safety

Before using the OrCam device, read the following precautions carefully to avoid dangerous situations and to ensure ideal performance of your OrCam device.

Handle your OrCam device with care. It can be damaged if dropped, burned, punctured, or crushed.

The OrCam device is designed to work in ambient temperatures between 32° and 104° F (0° and 40° C). The device can be damaged if used outside of this temperature range. Store in a cool, dry place.

OrCam is water resistant but not waterproof. This means that the Head Unit can withstand light rain or drizzle for short periods of time, although it is not recommended, as long as the Base Unit is covered and protected.

Do not use OrCam in heavy rain, when at the beach or swimming pool, or in or near a bathtub or shower. Do not submerge the OrCam device in any type of liquid.

Do not expose the device to chemicals, such as household cleaners, aerosol sprays, solvents, alcohol, or ammonia.

Do not open the Head or Base Units.

There is a cord connecting the Head and Base Units. Do not disconnect this cord from either the Head or Base Unit. Do not pull on the cord or cut it in any way.

Should you have a problem operating the OrCam device and believe there is something wrong with the device, do not attempt to repair it by yourself. Only qualified OrCam personnel may repair or service your device. Unauthorized repairs may void your warranty.

Do not attempt to replace the battery; you may damage it, which could cause overheating and even injury.

Use only the AC adapter supplied with your device. Using another AC adapter may void your warranty and could cause severe injury.

Do not force a connector into a port or apply excessive pressure to a button. This may cause damage that is not covered under the warranty. If a connector does not insert easily, check for obstructions in the port and verify that you have the correct connector for that port.

Ensure that the rubber cover on the bottom of the Base Unit is closed whenever the connectors are not in use. Exposing the Base Unit to magnetic fields may damage the unit or erase your data.

When you are using OrCam or charging the battery, it is normal for the Base Unit to get warm. If the unit becomes excessively hot, leaks, or gives off a burning smell, turn the device off immediately and contact an OrCam representative.

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This User Guide is also available for download or online viewing at: www.orcam.com/userguide

◉ **About the OrCam Device**

In addition to this basic overview of the features and functions of the OrCam device, more detailed information and advanced setup and operation procedures, in the form of video tutorials, are available on the OrCam website. We recommend that you view the tutorial videos at: www.orcam.com/tutorials

OrCam Components

The OrCam device consists of two main parts, the Head Unit and the Base Unit.

Connecting cable to Head Unit

Head Unit with Camera Mounted

Base Unit

Head Unit

The Head Unit features a camera, a microphone, and a wire that connects to the left end panel the OrCam Base Unit. When you first receive the OrCam device package, you will need to assemble the camera mount and connect it to your eyeglasses frame.

Base Unit

The Base Unit is a single, integrated unit that contains sophisticated technology to enable the OrCam device to read text to you and help you identify objects.

To help orient yourself to the OrCam device, the top of the device has the OrCam label. Throughout this manual, we will reference the blue buttons on the Base Unit and explain when you should use them. Also detailed are the messages you are likely to hear the through the bone-conduction earpiece in the Head Unit.

Headphone Socket

You may want to connect headphones to the Base Unit. There is a socket on the left

side of the Base-to-Head Unit cable for connecting headphones or speakers. When you recharge the battery, you will connect the charger to the Base Unit.

OrCam Buttons

The OrCam device unit has three buttons: Power, Volume, and Trigger.

Location of Power and Volume Buttons and LED Indicator

Power Button is a small square shaped blue button, on the right side of the Base Unit nearest to the socket for the Head Unit cable. This button has four functions: Power On, Suspending, Waking Up, and Power Off.

Volume Button is the long blue button, on the same side as the Power button. It has two functions. It is used to change the volume and to change the read-back speed. To change the volume, press the plus (+) or minus (-) side of the button to change the volume. You will hear the message "volume up" up to "volume max" or "volume down" down to "volume minimum". There are 6 volume levels available.

Trigger Button is the blue button on the opposite side of the Volume button, above the rubber flap. It has three functions. It is used to activate the camera, change the read-back speed and activate the object learning mode.

1. **Activating the camera** – A short press activates the camera and performs a read.

2. **Controlling read-back speed** – Use the Trigger button together with the Volume buttons (as described above) to control the read-back speed.

3. **Object Learning mode** – Press the button for 2 seconds to activate the object learning mode. You will hear the message "start object learning, please wave product one inch left and right" and the rest of the object learning messages.

Charging/Micro USB Connector   Trigger Button

Charging and Micro USB Connectors and Trigger button

LED Indicator and Ports

LED Indicator is near the volume button. The light may be steady or may blink. When the light is red, it indicates that the OrCam device is charging. When the light is green, it indicates that the OrCam device is powered on. When there is no light, it indicates that the OrCam device is suspended or powered off.

Ports are on the same side as the Trigger button. There are two ports beneath the protective rubber flap. The left one is the port for the charger and the right one is the mini-USB port.

◉ **Assembling the OrCam Device**

The OrCam device is easy to assemble and once you have charged the device, it can be used regularly to assist you in reading text and identifying objects. This chapter details how you connect the device to your glasses. Because OrCam is light and small, you can leave it attached to your glasses so that it is always ready for use.

Package Contents

Camera and earpiece (shown extended)	
Base Unit with three blue buttons	
Rectangular white accessories box	Containing: OrCam device, charger, glasses mount and mount kit, lens cleaning cloth, belt clip, headphones, USB cable, User Manual

Mounting the Head Unit

The Head Unit of the OrCam device contains the video camera and must be mounted on your eyeglasses. A small mount, or clamp, is permanently attached to the frame of your eyeglasses. The camera then can be snapped on and off the mount as needed.

The mounts, along with the mount kit containing the spacers and an Allen key, are included in the accessories box. These include: 2 mounts, 8 rubber spacers (2 each of four sizes) and an Allen key.

Two mounts are provided so you can use the OrCam device with more than one pair of glasses, such as your regular eyeglasses and reading glasses or sunglasses.

Four pairs of rubber spacers of different sizes are provided, to enable you to select the size that best fits your eyeglass frames. The thinner the temple of your frames, the larger the spacer should be.

It is recommended to select eyeglasses with thicker frames for mounting the OrCam camera. Very thin frames, such as many wire-frames, may cause the mount may come loose, even if attached tightly using the largest spacer, after you snap the camera on and off a few times.

If the mount comes off of the glasses frame and becomes stuck inside the Head Unit, it is possible to remove it with a small screwdriver.

Attaching the Mount to the Eyeglasses

The Head Unit of the OrCam device is designed to be mounted on the right side of your eyeglasses. Therefore, the mount must be placed on the right side of the frame.

To attach the mount to the eyeglasses:

1. Check the mount. On the inside, opposite the keyhole, is a small rubber piece that you can feel with your finger. Occasionally, this piece may fall out in the package. If you feel a hole instead of a bump, locate the missing piece in the package and replace it.

2. Insert the Allen key into the keyhole on the side of the mount and turn it counterclockwise to open the mount to the widest position.

3. With your eyeglasses right side up, push the mount loosely downward onto the right side of the frame.

4. Turn the eyeglasses upside down so you can see which size spacer is required between the mount and the frame. Select the largest spacer that will allow the mount to slide onto the frame.

5. Remove the mount from the eyeglasses and slide the selected spacer into the mount in the direction of the arrow. If it doesn't slide in, loosen the mount slightly with Allen key.

6. Push the mount downward onto the right side of the frame and slide it as far forward as it will go. Be sure to leave a small amount of space (0.5 – 0.75 cm) between the mount and the hinge, since the camera takes up some space.

7. With the Allen key, tighten the mount to fit snugly. Use the short end of the key if necessary.

The mount is now attached to the eyeglasses and can be left there permanently. The glasses may be folded with the mount in place.

Attaching the Camera to the Mount

The Head Unit containing the camera is designed to snap on and off the mount as often as you want. However, before using it the first time, you should snap it on and test it to verify you have attached the mount correctly.

To attach the camera to the mount for initial use:

1. Snap the Head Unit onto the mount with the camera on the outside of the eyeglasses and the bone conductor on the inside, and verify it is straight.

2. Put on the eyeglasses. The bone conductor earpiece should be between your cheek bone and your ear, and should sit firmly against your right temple bone. It should not be on your ear.

3. If your eyeglasses have long frames, extend the earpieces as needed.

4. Verify that the camera is aligned with the line of sight of your eyeglasses. To test the camera position, extend your arm straight forward beginning from your nose, and point your finger upward. If you hear a high-pitched, double-beep, the camera is adjusted correctly.

Note: If the camera is angled too high or too low, the OrCam camera may not be accurately triggered, and may not perform correctly.

5. Place the wire behind your ear and tug on it slightly. Verify that the mount remains straight and the camera remains facing forward, and does not twist to face upwards.

6. Unsnap the Head Unit, and verify that the mount does not twist or come off.

Connecting and Using the Base Unit

The Base Unit, the black box with blue buttons on either side, should be connected to the Head Unit via a cable that plugs into a fitted connection at the end of the black box. Once it is connected, the Base Unit can be clipped to your belt or placed in a pocket, pouch, or other carrying case.

1. We recommend that the cord be underneath your clothing so it does not catch on things in your environment (tuck the cord behind your ear where it comes off the Head Unit).

2. Ensure that you can move freely and that there is no tension on the cord between the Base and Head Units.

◉ Getting Started

Initial Charging of the OrCam Device

Before you begin using the OrCam device, you must initially charge it for a period of eight hours. For your convenience, the charger is included in the package.

To charge the OrCam device:

1. Attach the charger to the OrCam device.
2. Plug the charger into an electric socket.

If this is the first time you are charging the device, you should charge the battery in the Base Unit for eight (8) hours. After this initial charge, the battery requires four hours of charging time, if it has been completely depleted.

A fully charged battery should work for up to four hours of constant use and can remain in Standby mode for as long as twenty-four hours.

Each time the device is connected or disconnected from charging, it will vibrate. This is to ensure that you are aware that the device has been connected or disconnected. When the device is activated from Standby mode, it will inform you how much battery power remains.

Turning the OrCam Device On and Off

Before you turn on the OrCam device, it is recommended that you wear your eyeglasses with the OrCam camera unit mounted on it. This will enable you to hear the messages the device speaks as it is activated.

To turn your OrCam device on:

1. On the Base Unit, press the POWER button. The device will vibrate. After approximately 1-2 minutes you will hear, "OrCam Version 3.X is ready. Battery is XX percent charged."

2. If you did not hear the phrase, "OrCam is ready," or you are not sure that the unit is on, press one of the volume buttons (UP or DOWN). If the device is on you will hear a response to your action. If the device is off you will not hear anything.

To turn your OrCam device off:

Note: If you are not wearing the Head Unit, it is recommended that you put your glasses on so that you can hear OrCam explain what it is doing.

1. Press the power button once. You will hear the message "press again to shut down". Press the power button a second time. You will hear, "Shutting down, please wait". Right before the unit shuts down completely, the device will say "Power off, Bye Bye".

Automatic Shut Off – When the OrCam is not used for about two hours, it will shut itself off. This reduces the chance of depleting the battery unnecessarily.

Standby Mode

To conserve battery power, the OrCam device has an automatic standby feature. If you do not trigger the device in some way, the device will automatically go into Standby mode after three minutes of inactivity.

You can also activate Standby mode yourself.

To enter Standby mode:

> Note: If you are not wearing the Head Unit, it is recommended that you put your glasses on so that you can hear OrCam explain what it is doing.

1. Press the **POWER** button once. OrCam will announce "press again to shut down", then announce "suspending", and then automatically go into Standby.

To exit Standby mode:

1. Press the **TRIGGER** button. You will hear OrCam say, "Waking up."

Changing the Reading Speed

It is possible that OrCam will read to you at a rate that is too fast or too slow and you will want to change the reading speed.

To change the reading speed:

1. While pressing the trigger button, simultaneously press the volume up/down button. The OrCam device will say, "Use volume buttons to change speech rate."

2. Use the volume up/down to change rate.

You can change reading speed during reading text; in that case no message will be announced.

Changing the Device's Voice

The OrCam device enables you to switch between two available voices.

1. Prepare the following text: **OrCam Please Change Voice.** The text should be printed or displayed alone, without surrounding text. You can type this out on your computer screen or print out your own page with the command. (Make sure to use capital letters in the beginning of each word and type the word OrCam with capital C as well). See the commands section at the end of this manual for the printed command.

2. Point at the OrCam Please command or use the trigger button. The device will say: "To change voice use volume buttons."

3. Listen to the chime and then to the entire command prompt.

4. Press the volume up or down button once within 10 seconds of the initial chime to choose between the two available voices. Find the voice you prefer and that gives you the best clarity.

5. After 2 seconds you will hear the announcement: "Hi, I'm Brian/Kendra, voice changed". (This announcement will be in the new voice).

◉ **Reading with OrCam**

The OrCam device knows when you want it to read to you by triggers that you give the Head Unit. There are three ways to trigger the Head Unit to begin reading. These include:

1. Pointing with your finger.
2. Pressing the TRIGGER button on the Base Unit.
3. Tapping the center of the Base Unit.

About Triggering the Camera

Pointing is the preferred gesture for showing the OrCam device that you want to do something. When the camera sees your finger, it knows you want it to recognize something in front of you. If you are right handed, use the index finger of your right hand. If you are left handed, use the index finger of your left hand.

For the camera to recognize your finger, hold your finger vertically, so that the tip of your finger is pointing up.

Practice by putting your finger on the tip of your nose, and extend your arm outward so that the tip of your finger remains at eye level. Because the camera is located at eye level, it must detect your finger in order to understand what you want it to recognize.

Detecting Your Finger

When the camera detects your finger, you will hear a double-beep. A high-pitched beep indicates you are pointing at the center of the frame. The beep becomes gradually lower-pitched as you approach the margins of the frame.

If you don't hear a high-pitched double-beep, try to adjust your head slightly up or down, left or right and try again. If you don't hear a double-beep within 2 seconds, remove your finger and try again.

Once you hear the beep, immediately remove your finger from the frame so that the camera can take a picture of what it sees (without your finger getting in the way). It works best to remove your finger by moving your arm downwards out of the frame.

When you hear a single-beep, this means the camera detected that you removed your finger, and it will instantly take a picture of what it sees. If you don't hear a single-beep, it means the camera did not detect that you removed your finger, and you need to try again.

Beginning to Read

When you hold an object, such as a book or newspaper, you don't have to touch the item while pointing to it for the OrCam device to work, but many people find it easier to actually touch the item.

After the single-beep, the OrCam device will immediately begin to read the text, or in the case of product recognition, it will tell you what the object is.

Fails to Recognize Object or Text

If it does not recognize what it sees, it will let you know by making a chime sound. If you hear a chime, try again, and make sure that you are pointing at English text or an object that the OrCam should recognize.

Reading with OrCam

1. Make sure that OrCam is powered on and awake (not in Suspend mode).

2. Prepare what you want to be read. If you are reading a book or a newspaper, turn to the page you wish to read and place the text at a distance of about 12 inches from your face. Make sure your fingers are not covering any of the text.

3. Direct your gaze directly at the page and point to the upper part of the page or area where you wish OrCam to begin reading. The OrCam device will read the entire page, and when finished, it will make a chime sound. While OrCam is reading to you, looking away from the book shouldn't stop the reading, as the default setting is "Nonstop Reading".

If you would like to stop the reading before OrCam has finished, press the trigger button and it will stop right away.

When OrCam reaches the end of a page, it plays a chime sound to signal that it has finished. If OrCam thinks that there is additional text at the bottom of the page that it cannot see, when it reaches the end of the page or section, it will announce: "There may be more text below. Please raise the text and point again."

In this case, you can point to the lower part of the page, and the OrCam device will begin reading from the beginning of the last paragraph. It may also announce "Skipping XX lines" and continue from where it left off. When reading a text that is arranged in columns, such as a newspaper, the OrCam device will read the section to which you point.

Continuous Reading

The OrCam device will try to resume reading if it was interrupted, but only where there are more than 3 lines of text. This works as follows: if reading is interrupted, when returning to a previous text, the device may announce "Skipping XX lines" and continue reading from the beginning of the part where it was interrupted.

The device remembers the place where it was interrupted for 5 minutes, even if you read something else in the meantime. If you wish to start from the beginning, point to the top of the text again while the device is reading and it will say "Skipping to first line" and restart reading from the top.

Messages when Skipping Lines

Skipping XX line(s).	This is announced when one or more lines are skipped.
Skipping to first line.	This is announced when "double gesture" is recognized and the reading goes back to start of section.

Messages when Having Trouble Recognizing Text

If the OrCam device is having trouble recognizing the text, it may say one of the following messages:

Continuation is cut-off, please turn your head a bit to the left and point again.	The message is played when OrCam detects that the section the user is trying to read is "cut" on the left side of the frame. The OrCam will not read the section.
Continuation is cut-off, please turn your head a bit to the right and point again.	The message is played when OrCam detects that the section the OrCam is trying to read is "cut" on the right side of the frame The OrCam will not read the section.

Nonstop Reading

The OrCam device's default mode of operation is "Nonstop reading mode". In this mode, the OrCam device will continue reading even if you move the document your reading out of view of the OrCam camera. With this mode enabled there is no need to keep holding the document in front of you while reading.

Many users will find this feature convenient when reading books or long documents. The OrCam device will keep reading the text and will stop when it gets to the end of the page or once it reads all text visible to the camera or when the trigger button has been pressed.

It is possible to disable this mode. If you choose to disable "Nonstop Reading Mode", the device will require the text to be held in front of it in order to read. The moment the text is removed from view, it will stop reading.

To disable or enable this mode, use the described in the "OrCam Please Commands" chapter in this manual.

◉ Object Learning Mode

You can personalize your OrCam by teaching it to recognize products that you frequently use. This can assist you when you need to identify objects at home, while shopping, etc. This feature is designed to recognize products with unique textures, usually found on labels and packaging. The more texture on the product, the easier it will be for the OrCam device to recognize it. You will receive the best results with objects that are between the size of a playing card and the size of a cereal box.

You might find it difficult to recognize objects with few distinct features, such as a wallet, fruits or the OrCam device itself, even if they have a unique shape and/or color. Teaching the OrCam new objects is done by pressing the trigger button for about two seconds until the OrCam announces "Start object learning mode".

Learning Mode Messages

In learning mode, you may hear some or all of the following messages:

Pause occasionally.	While teaching a new product, it is best to hold the object still for 1-2 seconds occasionally throughout the process.
Thank you.	The OrCam device has successfully "learned" the new product.

Failed to learn product. Canceled product learning. Best to have a clear background.	The OrCam device was not successful in learning the new product and has terminated product learning.
Please name the product after the beep.	The OrCam device has successfully learned the product and will now record you saying the product name.
Press button to confirm adding the product.	
No Button pressed. Canceled product adding.	If you did not press the button to confirm that the product should be added, the teaching process will be canceled.
Button pressed too late!	You did not press the button in time and therefore the OrCam device did not successfully add the product. You will have to restart the learning if you wish to teach this product.
Error occurred while trying to add new product.	An error occurred and therefore the product was not added.

Finished new product learning. product name XXXX	At the end of the process, the OrCam device will confirm that it has successfully learned the new product.
Error occurred while trying to add/remove new product. Learning disable. Please try to reboot the device.	A database error has been detected. Restart the device to ensure reliable operation.
Please call technical support. Products disabled.	Announced on power-up if the database has become unusable or corrupted.
Please call technical support. Canceled product learning. Products disabled.	Announced during product learning if the database has become unusable or corrupted.

For products already in the database, one of the following messages is announced:

This product seems like XXXX. If you would like to teach the product you are holding, press the button briefly. If you do not want this product to be detected anymore, press the button for two seconds.	You will receive this message if you try to teach the OrCam device a product that is similar or identical to a product it previously learned.

When trying to remove a product from memory

Product removed.	The product has been successfully removed from the database.
"Recognized XXXX during learning process. Cannot be removed."	You may get this message if you try to remove a pre-loaded object, such as money notes.
Error occurred while trying to remove product.	An error occurred and therefore the product was not removed.

◉ Instructions for Software Updates using SD Card

As new versions of the OrCam device software become available, you may receive a software update kit. Following is the step-by-step procedure for updating your OrCam device to the latest version.

Preparation: Power off the device

1. Disconnect the device from the power supply and USB.

2. Power off the device. This is done by pressing the power button twice. After 30 seconds, the device will say "Power off, bye bye."

Note: To confirm that the device is off, you can see that the LED light is off and there should be no response when pressing the volume buttons.

Remove the current SD card

Before you can insert the new SD card you received from OrCam, you must first remove the current SD card.

1. Open the rear cover of the device. Push a paper clip (or something similar) into the notched opening and pry the cover open and remove.

2. Push in and release the small SD card. It will pop out of the slot.

3. Remove the SD card and put it aside.

Note: Please mail the removed SD card to OrCam at the address listed at the beginning of this manual. The data on the card assists the OrCam team in finding and correcting problems with the device.

Installing a New SD Card

1. Before inserting the new SD card, you should review the label on the SD card to ensure that you are in fact using the most up-to-date version.

2. Remove the cover from the left end panel of the OrCam device.

    Note: This is the side that does not have the Base-to-Head Unit cable attached to it.

3. Locate the SD slot on the left end panel of the OrCam device.

SD Card Slot

3. Hold the card so that the metal part faces the metal connectors of the OrCam device.

4. Push the SD card into the OrCam slot gently. You should feel or hear it lock in place.

5. Click the cover back into place.

Upgrade Process

The upgrade process is triggered by you when you insert the new SD card. Following is the process for accomplishing this upgrade.

To update the OrCam software version:

1. Verify that the device is turned off before you begin. You should be wearing OrCam so that you can hear messages from the OrCam device.

2. Insert the latest SD card into the device.

3. Connect OrCam to the power supply. The LED light should initially turn red and about 20 seconds later, it will turn green.

4. About a minute after the device begins charging, it will announce, "Software update will now begin. Please wait, the process may take up to 20 minutes."

Note: During the upgrade process, the LED will blink red and green. As it is updating, the device may announced the estimated time remaining.

5. Once the upgrade is completed, the device will announce "Software update process is complete. Please wait while OrCam restarts" and will restart itself.

Verifying that the Upgrade is Complete

1. If you wish, you can verify that the OrCam device has been updated. Turn the OrCam device off and then on again as you normally would.

2. Listen to the startup message to verify the current version of the OrCam software: "OrCam Version XX is ready. Battery is XX percent charged."

Troubleshooting for Upgrading Versions

Upgrade process doesn't start

If, when inserting the new SD card, the device doesn't start the upgrade process verify:

1. That the SD card is inserted correctly

2. The device is connected to the power supply. (Upgrade requires the device to be connected to a power source all the time).

◉ Troubleshooting

For any questions or concerns regarding the use of the OrCam device, please do not hesitate to call our customer service department for assistance at 1(800) 713-3741 or email support@orcam.com.

Lighting and Other Considerations

Just as we need a certain level of lighting to enable us to read, OrCam too is sensitive to light. When using OrCam, consider the following:

Avoid strong light in the camera. If are facing a window or a lamp such that the light is shining directly into the camera, OrCam may not be able to focus properly on text.

You may get a Low Light system message. This can be cause by the camera adjusting to the current lighting conditions. It may take the camera up to 10 seconds to adjust. If this occurs, stay in the same position for 10 seconds and try again. Try not to move or change focus for these 10 seconds because this may disrupt the camera's adjustment.

Messages you may receive in connection to the amount of light available.

Learning flow:

Not enough light for learning new products.	The current lighting in the room is not sufficient to allow the OrCam device to learn a new product.

Battery is too low. Shutting down, please wait.	The battery is too low to enable operation. You must charge the battery and then restart the device.
Memory full cannot learn additional products. Learning process canceled. For exit learning mode press the button. For removing product please wave product slowly left and right.	The OrCam device can remember up to 200 products. If you have added that many products, you will have to delete product before you can add any more.

Sound Considerations

If you cannot hear the OrCam device properly, consider changing the position or angle of the Head Unit so that the unit is closer to your face. In locations where there is a lot of noise, you may want to consider using earphones.

Reading

As OrCam is reading, you may encounter some of the following messages.

Text is too small. Try to hold it closer.	This message appears when the image contains text but the OrCam device cannot recognize it.

Text seems blurry. Please hold it steady	Heard during device shutdown.
There may be more text below, please raise the text and point again.	Heard when device first begins active operation.
Text is not readable, sorry.	This message appears when OrCam cannot understand the text
Can't read text, please try again in a brighter area.	This message appears when OrCam cannot understand the text due to low light.

You may encounter an announcement from the OrCam saying "Text seems blurry". This may occur for several reasons:

1. You may be holding the book at an angle that makes it difficult to read the text.

2. You may have moved your head or the book while the OrCam was taking a picture of the text. An easy solution is to use a book holder. You may find it more comfortable and it may make it easier to keep the text steady.

3. If you are attempting to read in a location with dim lighting, it is extra important to keep the text stable. An easy solution is to improve the lighting by changing your position or adding an additional lighting source.

◉ OrCam System Messages

Following are a list of some of the OrCam system messages that you are likely to hear during normal operation.

OrCam Version XX is ready	OrCam is now ready to begin operation.
Power off. Bye bye.	Heard during device shutdown.
Waking up	Heard when device first begins active operation.
Please Wait	OrCam is currently processing its next action. Please wait.
Suspending	Going into Standby mode
Press again to shut down.	You need to press the trigger button again to successfully shut the OrCam device.
Shutting down, please wait.	OrCam is shutting down.

Warning! Battery is very low.	The battery is extremely low and if you do not charge it soon, the device will automatically shut down.
Battery is too low. Shutting down, please wait.	The battery is too low to enable operation. You must charge the battery and then restart the device.
Charger connected.	The charger is connected and OrCam is currently charging.
Charger disconnected.	The charger is now disconnected and the OrCam device is no longer charging.
No activity. Shutting down.	The OrCam device has been inactive for a long enough period to trigger it to shut down. You will need to restart the device when you want to use it again.
Temperature is too high. Shutting down, please wait.	The temperature of the OrCam device is too high. It is shutting down to prevent damage.

Temperature is too low. Shutting down, please wait.	You are operating the OrCam device in a location where the temperature is too low for normal use. It is shutting down to prevent damage.
Battery is XX percent charged	OrCam will regularly report the current battery charged level to provide adequate warning when recharging is required.
Charging. Battery is XX percent charged	OrCam is currently charging and has reached the specified percentage towards fully charged.
Problem has occurred. Remove all user products. Restore all factory products.	OrCam has experienced a problem and is requesting that you give it Please commands to remove all products and restore the unit to factory settings.
Device version alert. Please contact OrCam support.	OrCam device has a serious software problem and may not function properly. Please contact OrCam support immediately.

◉ Cleaning the Device

Base Unit

Clean the Base Unit immediately if it comes in contact with anything that may be sticky or cause stains. Remember to turn the device off before you begin. Only clean the device with a damp cloth; do not submerge the device in water or pour water onto it. Avoid getting moisture in any of the openings.

Head Unit

Clean only if you feel it is dirty or if you have noticed a drop in performance. Never touch the camera lens with your finger or any item that might transfer oil onto the glass. Only clean the lens with the supplied microfiber cloth and eyeglass cleaning fluid. Do not use any abrasive material.

⊙ OrCam Please Commands

This section can be used to change operating preferences of the OrCam device. By pointing to the words, you are changing the settings of the OrCam device according to the specified command text.

Note: Pointing to these commands and having OrCam read them is the same as using the commands themselves. Space is intentionally left above and below the "OrCam Please" commands to enable you to use this area as a way of triggering the OrCam device to accept these commands.

Change Voice

OrCam Please Change Voice

Nonstop Reading

These commands are used to enable and disable non-stop reading of a text section. At the end of the section, OrCam will play the chime sound followed by the message "Nonstop Reading Enabled" or "Nonstop Reading Disabled."

OrCam Please Enable Nonstop Reading

OrCam Please Disable Nonstop Reading

Additional OrCam Please Commands

Setting the internal clock:
Please visit: www.orcam.com/timeset

Read the "OrCam Please Set Time" command on the screen. Click the text to toggle between the Set Time and Tell Time commands.

Read the "OrCam Please Tell Time" command to verify time has been correctly set.

Removing all learned products:

OrCam Please Remove All Learned Products

Related Messages

Removing all learned products requested. Request again for approval

Please wait while removing all learned products.

All learned products have been removed

◉ END-USER TERMS AND CONDITIONS

These Terms and Conditions govern your use of your OrCam device (the "Product"). Your agreement to these Terms and Conditions is a condition to your use of the Product.

Please read the User Manual in full, including the important safety Instructions, BEFORE using your OrCam device.

INTELLECTUAL PROPERTY; LICENSE GRANT; UPGRADES

Customer acknowledges and agrees that OrCam owns all rights, title and interest in and to any intellectual property rights, patents, know-how, trade secrets, trademarks, trade names, copyright and other proprietary rights, whether registered or not, owned and/or otherwise utilized in, by, or in connection with, its Products, related documentation and all goodwill related thereto (the "IP Rights"). Customer acknowledges and agrees that the IP Rights may not be exploited, reproduced, or used by Customer except as expressly permitted in these Terms and Conditions.

Subject to the terms and conditions in this Agreement, Customer is hereby granted a non-exclusive, non-transferable, limited license to use the software embedded in the Product or other IP Rights solely for purposes of operating the Product. Any rights not expressly granted to Customer hereunder are reserved to OrCam. Customer agrees, to the extent such prohibition is permitted by applicable law, not to decompile, disassemble, reverse engineer or otherwise attempt to reconstruct or discover the source code, algorithms or process flows of any element of the Product. Customer agrees not to assign, sublicense, lease, rent, loan, transfer, disclose, or otherwise make available such software, or remove proprietary notices on Product or any documentation provided by OrCam.

Customer shall not alter or interfere in any way with the Product or make any technical changes, additions or substitute replacements in the Product or take any other action to the detriment of OrCam's IP Rights in such. OrCam shall be entitled to make periodic upgrades to the Product as it deems necessary. Customer shall fully cooperate with OrCam in making such upgrades and any effort to prevent such upgrades shall be deemed a fundamental breach of this Agreement.

COLLECTION OF INFORMATION; PRIVACY POLICY

Customer hereby acknowledges and agrees that the camera and microphone in the product preserve logs and other images and sounds that they record. OrCam collects such information for product debugging, improvement and development purposes only. Such information will be reviewed and deleted by OrCam when no longer needed. During the period of time during which such images are stored by OrCam, they will be filed under a unique number associated with customer without any additional identifying customer information. By use of the Product, Customer consents to such collection of information and waives any claims relating to privacy rights in such regard. If customer wishes to cancel the recording, customer may contact OrCam to cancel the recording.

LIMITATION OF LIABILITY

OrCam will not be liable to Customer or any other third parties (whether under the laws of contract, torts or otherwise) with respect to the use of, or otherwise in connection with the Product:

for any loss or damages, whether direct, indirect, special, punitive, exemplary or consequential; or

for any business losses, loss of revenue, income, profits or anticipated savings, loss of contracts or business relationships, loss of reputation or goodwill, or loss or corruption of information or data or other intangibles, delay or inability to make use of the Product.

These limitations of liability apply even if OrCam has been expressly advised by Customer of the potential loss. Nothing in these Terms and Conditions shall operate to exclude or limit any liability which cannot be excluded or limited under applicable law. OrCam's total liability with respect to any of these results shall be limited to the amount paid by Customer for such Product.

OrCam can take no responsibility if the Product was used other than in accordance with the instructions in the User Manual.

CONFIDENTIALITY

Customer will keep as confidential any OrCam confidential information obtained in conjunction with these Terms and Conditions or the use of the Product. Customer's obligations under this Section will survive termination of this Agreement.

FORCE MAJEURE

Neither Party shall be liable for any loss or damage of any nature incurred as a result of any failures or delays in performance (other than payment obligations) due to any cause or circumstances beyond its reasonable control and without the negligence of the non-performing Party.

GOVERNING LAW, JURISDICTION

These Terms and Conditions shall be governed by and construed under and in accordance with the laws of the State of New York without reference to conflict of laws principles. Any dispute related to or arising from this Agreement shall be subject to the sole and exclusive jurisdiction of the state or federal Courts sitting in New York, New York and both parties hereby consent to such jurisdiction and venue.

SEVERABILITY

If any provision of these Terms and Conditions is determined by a court of competent jurisdiction to be invalid or unenforceable, such invalidity or unenforceability shall not invalidate or render unenforceable the entire Terms and Conditions but rather the Terms and Conditions shall be construed as if not containing the particular invalid or unenforceable provision and the rights and obligations of the Parties shall be construed and enforced accordingly.

NOTICES

All notices hereunder shall be given in writing.

WAIVER

No delay or failure of any party to exercise any right provided herein shall in any way affect its right to enforce that right or any right under these Terms and Conditions at a later time. No waiver shall be effective unless in writing and signed by the party against whom such waiver is sought to be enforced.

WARRANTY

Customer acknowledges that, other than as explicitly stated herein, OrCam does not make any representations or warranties to Customer regarding the Product, its functions or any images it produces.

The OrCam end-user limited product warranty (the "Limited Warranty") covers the owner of an OrCam product against defects in material or workmanship at the time of its original purchase, for a subsequent period of one (1) year, and for any additional applicable legal warranty period. Original proof of purchase/delivery is required from the owner in order to obtain this coverage.

OrCam will repair or replace, at its discretion, any product that is determined by OrCam to be covered under this Limited Warranty. OrCam will not be responsible for conditions arising as a result of intentional damage or misuse of the product. The owner is responsible for the costs of shipping the product to the location specified by OrCam.

This Limited Warranty is the sole and exclusive warranty applicable to OrCam products. OrCam disclaims all other express warranties and all implied warranties of merchantability, non-infringement and fitness for a particular purpose to the fullest extent permitted by applicable law. No third party has the authority to make any representation, warranty, or agreement on behalf of OrCam with respect to OrCam products. No warranty of any kind or nature is made by OrCam beyond those expressly stated herein.

In no event shall OrCam be liable for any special, collateral, indirect, punitive, incidental, consequential, or exemplary damages in connection with or arising out of the use of the product.

Without limiting any provisions limiting liability under this agreement, the limited warranty set forth herein will not apply, and the owner will reimburse OrCam for any costs and expenses incurred in the event that:

(i)   the product has been used other than in accordance with the product documentation and terms of use or other written operating instructions provided by OrCam

(ii)   the product has been subject to tampering, misuse, negligence, or accident

(iii)   the product or parts identification labels have been removed or the product has been otherwise altered

(iv)   the product has been opened, modified, repaired, serviced, maintained, or altered by someone other than an authorized OrCam representative

(v)   the product has been combined with software, hardware, or other equipment not supplied by OrCam or not approved in writing by an authorized OrCam representative

(vi)   the product has been intentionally damaged or exposed to water, heat, or high voltage

Any parts replaced pursuant to this warranty will be under warranty for the remaining time of the original warranty period or for ninety (90) days from the date of repair, whichever is longer.

If you believe that your product needs warranty support, contact support@orcam.com. You will need to pay for shipping costs. However, if it is determined that the warranty request is valid, OrCam will pay the total cost of shipping the repaired or replaced product.

ORCAM DISCLAIMS ANY AND ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT OF THIRD PARTY RIGHTS, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ORCAM DOES NOT WARRANT THAT THE PRODUCT WILL BE ERROR FREE OR "BUG" FREE, WILL OPERATE WITHOUT INTERRUPTION, THAT ANY IMAGES OR SOUNDS PRODUCED BY THE PRODUCT WILL BE ACCURATE OR THAT THE OPERATION OF THE PRODUCT WILL BE SECURE AND HEREBY DISCLAIMS ANY AND ALL LIABILITY ON ACCOUNT THEREOF. THIS SECTION SHALL BE ENFORCEABLE TO THE FULLEST EXTENT ALLOWED BY APPLICABLE LAW.

Refund policy

If you are not completely satisfied with your OrCam product for any reason whatsoever, you may return it for a full refund within 14 days of receipt. Simply repackage the product and ship it back to the following address; we will refund you the full product price:

OrCam Inc.
99 Jericho Turnpike, Suite 203
Jericho, NY 11753