



Cyber Eyez Guide To: M300 Basics

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M300 Basics

This guide will help you to unbox, assemble, power on and operate the M300 smart glasses.

What's in the Box?

Your Vuzix M300 device comes with several items in the carrying case. Orient your case so that the fabric tag is in the top right corner and the case is positioned long ways from left to right. You should also have the Vuzix logo facing up.



Unzip your carrying case and open it up. On the top half we have a mesh pocket with some cables in it, in the middle is a mesh pocket with a zipper with some accessories in it and the bottom half contains the M300 device, glasses frames and micro pod battery.

Putting It All Together

Mounting your glasses to the frames

1. Pull the glasses frames out of the box first and open them up just like any other pair of glasses. Set them aside for now.



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2. Grab your M300 device. Feel the back side of the device where the rounded edge is. If you feel on the inside of the M300 device (the side that is towards your face when you wear it and has several cut grooves in the plastic) you'll find two grooves.
3. On the glasses frames, find the mounting point on either the left or right arm of the frames.
4. Face the frames forward like you were going to put them on. Choose which side you want to mount the device to, left or right.
5. Holding the M300, align the back portion (where the curved plastic is) with the mounting point on the glasses frames arm with the camera end and the glasses pointing in the same direction. Line them up and slide it into place with a motion from the front of the frames toward the back. It may be a little tough, especially the first few times you do this.

*NOTE: If you find that it is extremely difficult to move the M300 device on the rail, it may be mounted with one rail in place and one out of place. If this happens, simply slide the M300 off the rail, line it up and try again.

Batteries

There are two battery options for the M300 (technically 3, but it's a combination of 1 and 2). The M300 comes with a Micro Pod battery that mounts to your glasses frames and will provide about an hour and a half to two hours of life for continuous usage. Additionally, a USB power adapter is available to enable your M300 device to plug directly into a micro-USB power bank (just like the ones you use to charge a cell phone on the go). The only requirements for the power bank are that it:

- 1) Must output at least 2.0A (this can usually be found on the box or printed on the battery itself)
- 2) Support micro-USB

The basic rule of thumb is the more power (5,000 milliamps versus 10,000 milliamps) results in more time. A 10,000 mAh battery will provide over 12 hours of continuous usage with Cyber Eyez.

Mounting the Micro Pod Battery

1. On the glasses frames, find the mounting point on the arm of the frames that does NOT have the M300 attached.
2. Face the frames forward like you were going to put them on.



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3. Holding the micro pod battery, align the back edge (where the curved plastic is with the hole for the USB charger) with the mounting point on the glasses frames arm. Line them up and slide it into place with a motion from the front of the frames toward the back.

Connecting the Micro Pod Battery with the Lanyard Cable

We have a GREAT YouTube video that demonstrates this procedure.



Mounting the USB Dongle For the Power Bank

The M300 supports an accessory device called the M300 Micro USB Power Adaptor that enables you to provide a much larger battery to your device resulting in a much longer run time.

Connecting the USB Dongle to the Power Bank

1. Plug in the large USB end (the same end that plugs into your PC) into the Power Bank battery
2. Plug the micro-USB end of the cord into the USB Dongle



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Charging and Powering Up

Charging the Micro Pod Battery or Power Bank

To charge your micro pod battery or Power Bank:

1. Insert a micro-usb cable (the smaller end) into the appropriate port in the back of the battery
2. Plug the other end into a power source (your computer, a wall plug, etc.). Once the M300 has enough power, it will boot on it's own.

Troubleshooting Powering Up

If the M300 doesn't start on it's own, please take the following steps:

1. On the side of the M300 device that faces away from your head where the swipe pad is located and Vuzix logo is printed there is a small, round button toward the front end of the device. Long press this button for 5-15 seconds
2. Watch for a green LED light near the power button to flash 3 times and let go of the power button.

Navigating the Device

There are 3 methods for navigating the M300 device:

- The 3 Buttons
- The Swipe Pad
- Voice Commands

The 3 Buttons

The location of the 3 buttons is dependant on which side you mounted the M300 device on. If it is on your right hand side, then the buttons will be found on the top edge of the device. If it is on your left hand side, then the buttons will be found on the bottom of the device. As you move your finger from



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your eye towards your ear the buttons are numbers 1, 2 and 3 with number one being closest to your eye and number three being closest to your ear.

There are two ways to use the buttons: short presses and long presses. A short press is just a quick press down and release of the button like you were taking a picture with a camera. A long press holds the button down for about three to five seconds.

What the Buttons Do

Button Number One

A short press of button number one on the Home screen will cause the icons to move one position to the right. Using this you can scroll through all of the apps available on the device.

A short press of button number one when you have a menu open will move down one position in the menu.

A short press of button number one in Cyber Eyez will zoom in one step.

A long press of button number one on ANY screen (Home, Settings, Cyber Eyez, other apps) will bring up your menu.

Button Number Two

A short press of button number two on the Home screen will cause the icons to move one position to the left. Using this you can scroll through all of the apps available on the device.

A short press of button number two when you have a menu open will move up one position in the menu.

A short press of button number two in Cyber Eyez will zoom out one step.

The Master Escape Hatch. If you are ever stuck in an app or on some screen and need to get all the way back to the home screen, a long press of button number two on ANY screen (Home, Settings, Cyber Eyez, other apps) will bring right back to the Home screen with all your apps listed.

Button Number Three

A short press of button number three on the Home screen will open the currently selected app.



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A short press of button number three when you have a menu open will select the highlighted menu option.

A short press of button number three in Cyber Eyez will take a picture. Short press of button number three is also used to tell Alexa when you are going to start talking and when you have stopped.

Go Back One Space. A long press of button number three tells the system to go back just one screen instead of all the way to the home screen like The Master Escape Hatch on button number two. For example, if you open Settings in Cyber Eyez and need to get back to the main Cyber Eyez screen, long press button number three. Another example, if you are in the Vuzix Home screen and navigate to Settings, then WiFi but meant to be on the settings screen you can long press button number three to just go back one step to the main settings screen again.

The Swipe Pad

The swipe pad is located on the side of the device that faces away from your face that has the Vuzix logo on it. It is located between two raised plastic bars that are situated between the power button and the Vuzix logo.

Swipe Forward

This is the same as short pressing button number one. A swipe forward on the Home screen will cause the icons to move one position to the right. Using this you can scroll through all of the apps available on the device.

A swipe forward when you have a menu open will move down one position in the menu.

A swipe forward in Cyber Eyez will zoom in one step.

Swipe Back

A swipe back on the Home screen will cause the icons to move one position to the left. Using this you can scroll through all of the apps available on the device.

A swipe back when you have a menu open will move up one position in the menu.

A swipe back in Cyber Eyez will zoom out one step.



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Swipe Up

A swipe up will scroll up. For example, if you have a barcode search result and want to click on the link, you can use swipe up to move the page up a bit and get to the link to click with button #3 or a tap of the swipe pad. Also, you can use swipe up when the on screen keyboard is visible to move up a row of letters.

Swipe Down

A swipe down will scroll down. You can use swipe up when the on screen keyboard is visible to move up a row of letters.

Tap

A tap on the swipe pad on the Home screen will open the currently selected app.

A tap of the swipe pad when you have a menu open will select the highlighted menu option.

A tap of the swipe pad in Cyber Eyez will take a picture. A tap of the swipe pad is also used to tell Alexa when you are going to start talking and when you have stopped.

Voice Commands

The current list of voice commands is available [here](#).

Turning Voice Commands On

The instructions for enabling voice commands can be found in our [Support Forum](#).

Using Voice Commands

1. To enable the M300 to hear your commands, say "Hey Vuzix". A small microphone icon in the upper left corner will become solid white.
2. You can now say any of the commands available.
3. You can turn off voice commands by saying "Voice off."



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Shutting Down

There are two methods to shut down your device. The menu driven method should be used whenever possible to ensure a proper shutdown of your device occurs.

Menu Driven Method (Preferred)

1. Long press the Power button to bring up the Power off dialogue
2. Short press button number one (or tap on the swipe pad) to select Power Off
3. A dialogue box asking if you are sure you want to power off will appear, short press on button number one until the OK button is highlighted
4. Short press button number three to click the OK button and initiate the shutdown process.
5. Once the device has powered down, disconnect your micro pod battery or power bank to ensure it will not power back up again until you are ready.

Hard Power Down

This method should be avoided, if possible due to possible data corruption that could result. It is not overall dangerous, but has the potential of leading to issues and should only be used when needed.

1. Press and hold the power button on the side of the device until it shuts down
2. Once the device has powered down, disconnect your micro pod battery or power bank to ensure it will not power back up again until you are ready.