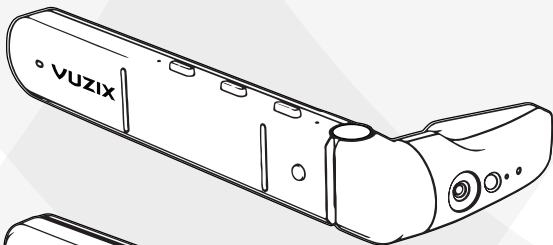


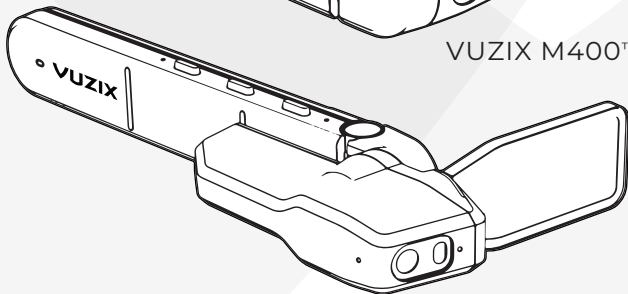


M-Series Smart Glasses

USER MANUAL



VUZIX M400™



VUZIX M4000™

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Important: READ ME FIRST

**Scan to Read
Safety & Warranty**



General Warnings

Read the Safety and Warranty document before proceeding:

<https://www.vuzix.com/pages/safety-warranty-booklet>

Product, features and operation descriptions are based on the device's default settings and may change without notice.

Some content and operation descriptions may differ from your device depending on your region, service provider options, and/or software.

Display brightness and content requiring high CPU and RAM usage will affect the overall performance of the device and its battery life.

Some Android applications and content may not work as expected due to the Vuzix M-Series Smart Glasses' design characteristics and its application.

Vuzix is not liable for performance issues caused by applications supplied by other companies. Applications provided with the device are subject to updates and discontinuation without prior notice.

Limitations Of Use

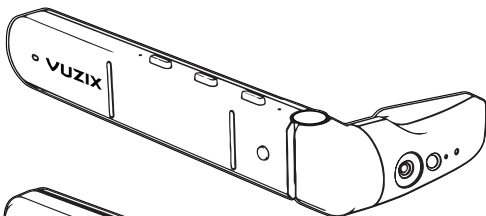
This Product is not to be used as safety glasses or eye protection against mechanical impact hazards. Not to be used for direct viewing of the sun or for protection against UV rays from artificial light sources (e.g. solarium, tanning beds). Vuzix M-Series Smart Glasses are not suitable for, nor should they be used for driving at twilight or at night.

Welcome to Vuzix M-Series

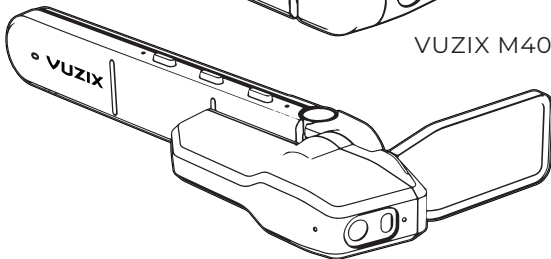
About this Manual



Except where otherwise noted, the instructions and information contained within this User Manual relates to both the M400 and M4000 Smart Glasses.

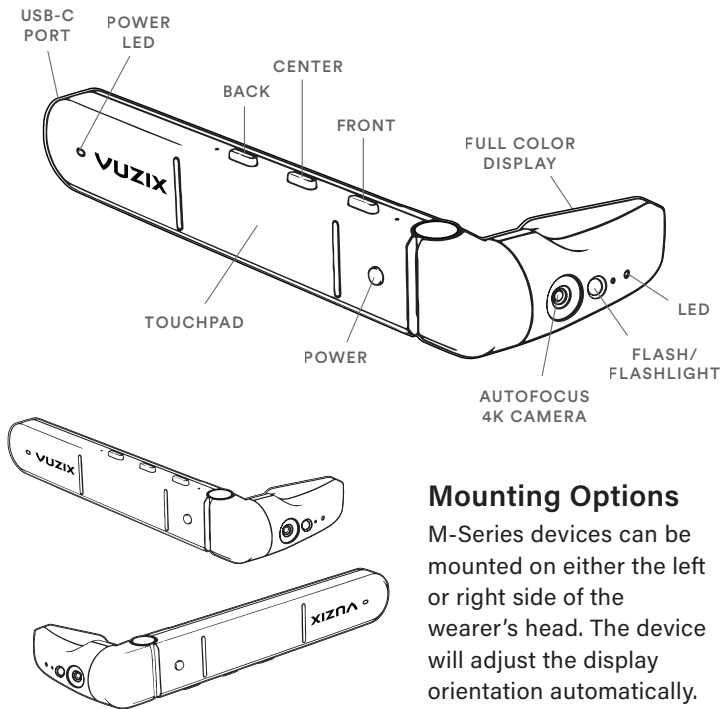


VUZIX M400™



VUZIX M4000™

Vuzix M400 Overview

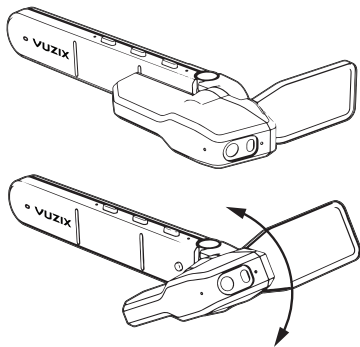
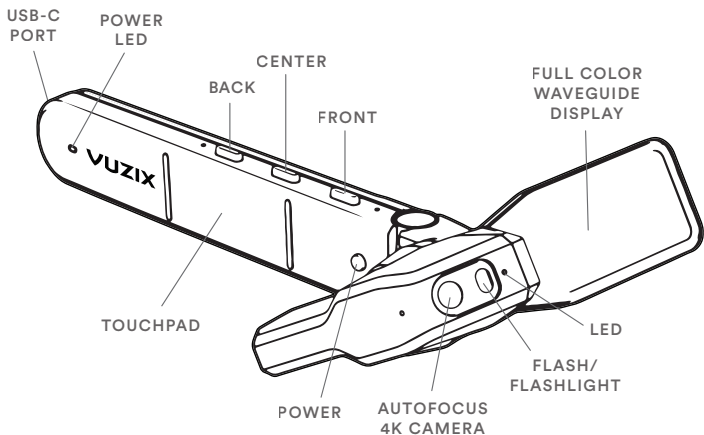


Mounting Options

M-Series devices can be mounted on either the left or right side of the wearer's head. The device will adjust the display orientation automatically.

See the **Mounting Accessories Guide** for the full line of mounting options for frames, helmets, hats, and more.

Vuzix M4000 Overview



Adjusting Fit

The front assembly of the M4000 may be rotated up or down to provide optimum viewing and/or recording angle for the wearer.

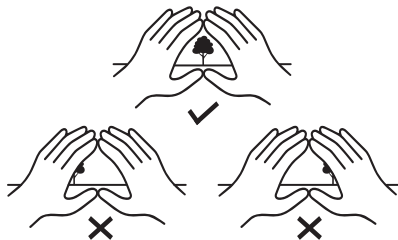
Find Your Dominant Eye

For the best image quality, wear your Vuzix device on the dominant side.

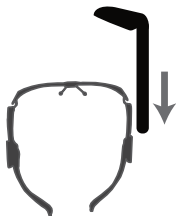
First stretch your arms out and make a triangle. Then frame an object in the distance with your hands.



Now close one eye at a time. Notice how the object moves out of view when one eye is closed? If the object remains in view, the open eye is your dominant eye.

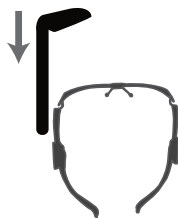


Right-eye dominant



Slide the device onto the right side of your selected mounting accessory with the buttons facing up.

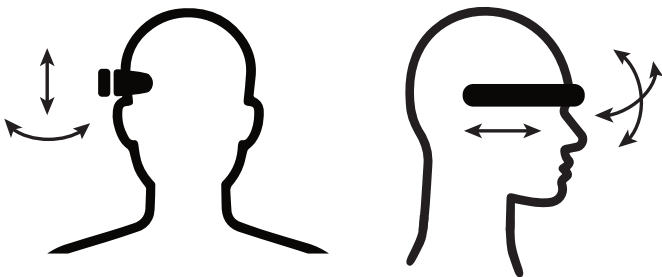
Left-eye dominant



Slide the device onto the left side of your selected mounting accessory with the buttons facing down.

Adjusting the Fit

To place the display into an optimum viewing location and angle, the device can be slid forward/backward or upward/downward on the mount clip, and the display itself rotates as well.



Mounting Options

Visit Vuzix.com for additional mounting options such as alternate nose pads, ear hooks, safety frames, hard hat mounts, baseball cap mounts, headbands, and more.



Charging the Battery

i *Your battery is shipped with a partial charge. It is recommended that the battery be fully charged for first time use.*

Power LED States

Green	Powered On
Red	Not enough charge to power on, keep plugged into USB to charge.

Powering On/Off the Device

Power On

Connect the device to the battery or power source and the device will power on automatically.

i *When starting your device for the first time, the initial boot may take several seconds.*



If the battery runs out during use

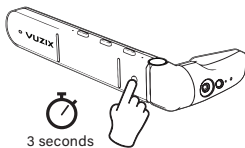
i *The device will display a message on the screen if the battery is depleted during use.*

1. Unplug the USB cable from the battery
2. Remove the battery from the mount and replace with a charged one
3. Plug the USB cable back in

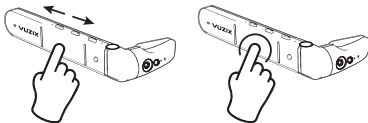
Powering On/Off the Device

Power Off

1. **Press and hold** the power button for three seconds to show menu.

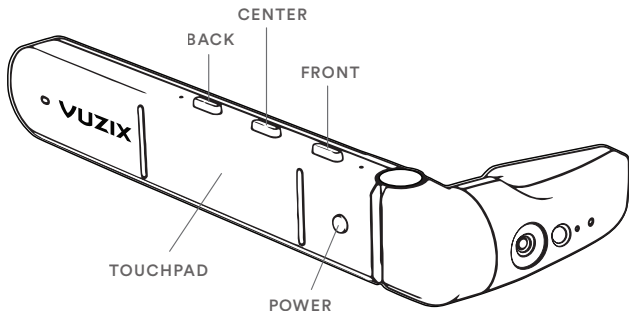


2. **Swipe** to select *Power Off* from the menu, then **One-Finger Tap** on the touchpad.



If the USB cable is unplugged the device will power off after about five minutes. If the internal battery is already discharged this may occur sooner.

Using the Controls



Touchpad

Tap to activate selection

Hold to activate menu

Swipe up/down/left/right to move selection.

Two-finger Tap to navigate back

Two-finger Tap & Hold to navigate Home

Buttons

Short Press

Front	Right/Down
Center	Left/Up
Back	Enter
Power	Sleep

Long Press (~1 second)

Front	Menu
Center	Home
Back	Back
Power	Power Menu



To view the full list of available touchpad gestures, visit www.vuzix.com/touchpadgestures

Wi-Fi Quick Connect

The easiest and fastest method to connect your smart glasses to Wi-Fi is by using a QR code:

Visit **www.vuzix.com/wifiQR** on your phone or computer to securely generate a QR code for your Wi-Fi settings.

Launch the Scanner app on your smart glasses and look at the QR code to connect to your network.

Example:

WIFI NAME

yournetworkname

PASSWORD

yourpassword

ENCRYPTION

WPA/WPA2/WPA3



HIDDEN NETWORK ☐

GENERATE



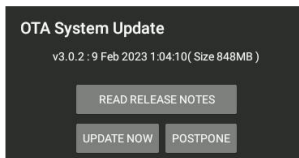
Registering Your Device

Register your device by logging on to your Vuzix App Store account from a computer or phone at **apps.vuzix.com/user/add-device**. Follow the instructions on the website to scan the QR code.




Getting the Latest Updates

The device will automatically check for updates once it is connected to Wi-Fi. Follow the instructions in the popup window that appears.

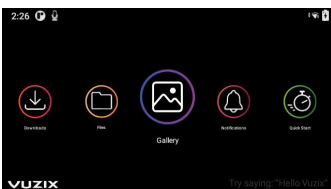
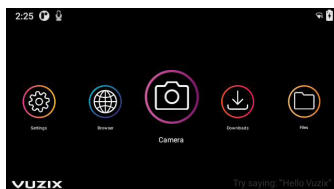
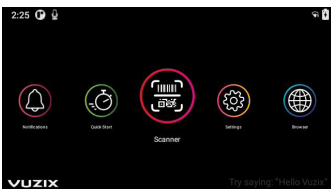
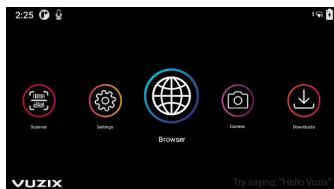


 *Actual popup window may vary.*

 *If your corporate firewall prevents access to the external website, your system administrator may provide additional settings for your device or may provide a software update offline.*

Using Applications

Your M-Series device comes preinstalled with several standard applications such as Camera, Gallery and QR and barcode Scanner.



Applications can be installed on your M-Series device via the Vuzix App Store. The Vuzix App Store will install and manage applications via the OTA (Over the Air) mechanism and will require Wi-Fi connectivity. For instructions and additional information about installing applications and using the Vuzix App Store, visit: **www.vuzix.com/support**.

Your M-Series device supports ADB (Android Debug Bridge) as an alternative mechanism for advanced users to install applications.

Using Voice Commands

M-Series devices can be activated by *"Hello Vuzix"* when properly configured. The device will listen for voice commands for 15 seconds by default.

To enable voice control, open the **Settings** menu and navigate to **System > Languages & Input > Speech Commands**. A full list of voice commands is available in this menu.

Developing for M-Series

Developer documentation is available at vuzix.com/developers. In order to power the unit during development, please note:

- The included battery does not support data pass-through.
- The viewer should be plugged into the developer's machine with a USB C-to-C cable for the best experience.
- If a USB A-to-C cable must be used, then using a CDP-capable port will provide enough power. If the USB-A port is not providing sufficient power, functions of the device may become impaired without notice, and the viewer may shut down completely.

Troubleshooting Common Issues

SYMPTOM

Device will not turn on and power LED is red.

DIAGNOSIS

Internal battery is discharged.

REMEDY

Leave device connected to USB power. System will begin booting within a few minutes.

SYMPTOM

Display is blank but power LED is lit.

DIAGNOSIS

Screen has turned off to conserve power.

REMEDY

Tap any button to wake the screen.

SYMPTOM

Device powers off after 20-30 minutes while plugged in to USB.

DIAGNOSIS

USB source does not provide enough current

REMEDY







Your device can draw up to 1.5A while in operation.

For further assistance visit vuzix.com/pages/m-series-product-support or scan the QR code.



M-SERIES SUPPORT

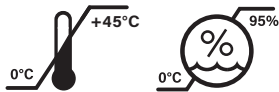
Cleaning & Care

-  Clean the viewer and battery with a damp cloth and mild detergent if necessary.
 -  Do not use all purpose cleaners as these may damage the seals and impair the water resistance.
 -  Make sure that there is no standing water in the USB connector before inserting the cable.
 -  Do not insert sharp objects into any holes in the viewer as this may damage the mesh and impair the water resistance.
 -  Do not use metal objects to clean the USB port as this may cause electrical damage.
 -  The M4000 waveguide may be cleaned using a microfiber cloth and lens cleaner or warm water and a mild detergent. Do not hold or handle the M4000 by the screen. Avoid exerting pressure on the screen as that can cause it to crack.
-

Usage

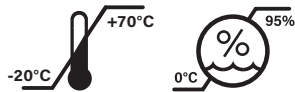
Operation

0 to 45°C, 0 to 95%RH



Storage

-20 to 70 °C, 0 to 95% RH



Medical Environments

- The M400 or M4000 is used to assist a medical professional but does not perform any medical procedures.
- The M400 or M4000 is a system that is worn on the head with a headband or glasses. The system consists of the M400 or M4000 viewer and Power Bank that powers the viewer with a USB-C cable.
- The M400 or M4000 system is a hands-free two-way communication device used as a tool for the medical professional to communicate over Wi-Fi to:

Allow another remote medical professional to hear instructions or see instructions on the viewer.

Allow another remote medical professional to send feedback, or record and share images from the viewer.

Record audio and video of a procedure for later.

- The optimal operating environment for the M400 or M4000 is 0°C to 45°C and 0-95%RH.
- The M400 or M4000 is completely self-contained and does not need to be used with any other device. It does not need to be plugged into the wall or any other medical device. The M400 or M4000 does not come in contact with a patient and is not used by the patient.
- The M400 or M4000 can be used in most medical settings. Examples of medical settings are the medical office, hospital, or operating room.
- Only charge glasses and power bank via IEC 60950/IEC 62368 compliant power source.
- External power bank charging to a separate power supply must comply with all medical equipment practices.

Continued

Medical Environments (Continued)

- Do not use accessories, detachable parts, and materials not included with the M400 or M4000 or described in the user manual for use.
 - Do not disassemble or modify the M400 or M4000.
 - The M400 or M4000 and Power Bank both have an Ingress Protection rating of IP67. This means the M400 or M4000 and external battery are protected from dust and protected from immersion in water up to 1m.
 - The M400 or M4000 complies with all regulatory requirements in the countries it is sold. It has been certified not to interfere with other devices.
 - Children under the age of seven (7) are still learning to focus and track with their eyes. Their vision is still immature. For these reasons, near eye-displays **SHOULD NOT BE USED BY CHILDREN UNDER THE AGE OF SEVEN (7)**.
 - Smart glasses can potentially have adverse effects on the user, including: motion sickness, perceptual after effects, disorientation, decreased postural stability, and eye strain. Take frequent breaks to lessen the potential of these effects.
-

Radiation Exposure Statement - USA

M400

The maximum combined SAR head measurements (limit 1.6 W/kg)

WLAN (5.8G) 0.25 W/kg 1 g Head SAR

M4000

The maximum combined SAR head measurements (limit 1.6 W/kg)

Wi-Fi (5.8G) 0.46 W/kg 1 g Head SAR

Regulatory Information

Regulatory information can be viewed in the Settings application:

System > About Glasses > Regulatory Labels

Support

For further documentation and the latest information regarding supported devices and protocols scan the QR code below or visit

<https://www.vuzix.com/pages/m-series-product-support>



SCAN QR FOR SUPPORT

For more information on Vuzix products and accessories visit:

[vuzix.com](https://www.vuzix.com) | [vuzix.eu](https://www.vuzix.eu) | [vuzix.uk](https://www.vuzix.uk) | [vuzix.jp](https://www.vuzix.jp) | [vuzix.asia](https://www.vuzix.asia)

Vuzix Corporation

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