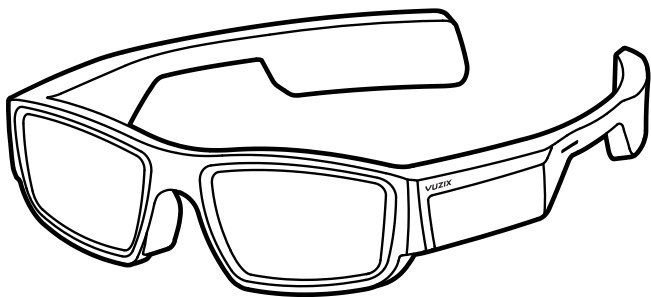


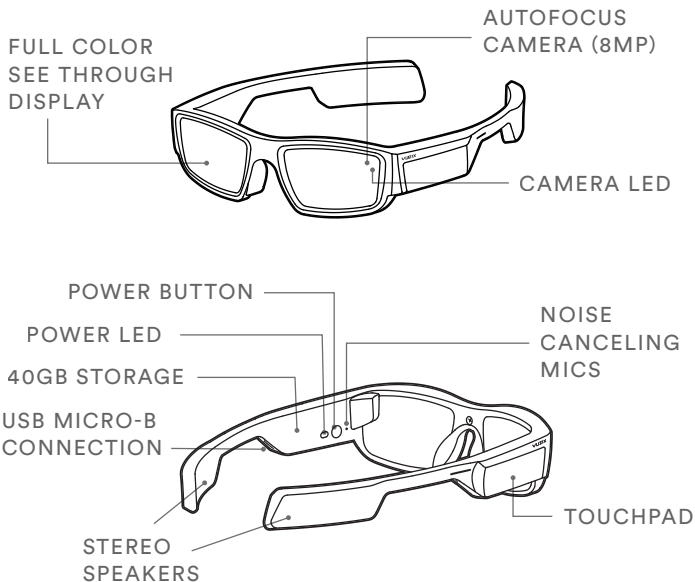
VUZIX[®] BLADE2[™]



User Manual

MODEL 514

Overview



Included with your Vuzix Blade device:

- Blade Smart Glasses
- Soft storage case
- USB-A to USB Micro-B cable
- Nose Bridge Extender

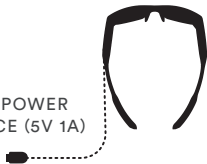


Charging and Powering On/Off

Charging

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

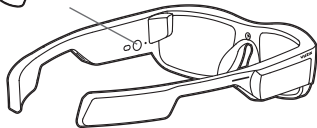
USB POWER
SOURCE (5V 1A)



Power On

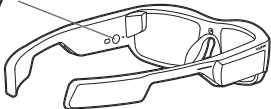
• **Press and hold** the power button for three seconds

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

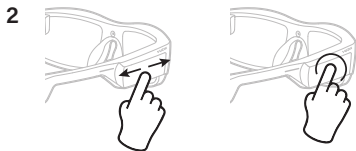


Power Off

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

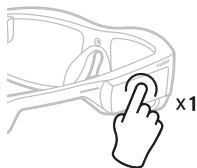


2. Swipe to select *Power Off* from the menu, then **One-Finger Tap** on the touchpad.



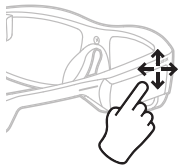
Using the Touchpad

Main Controls



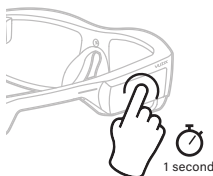
One-finger Tap

- select an item
- perform action



One-finger Swipe

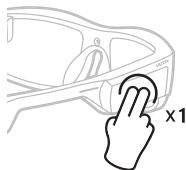
- navigate apps
- navigate UI elements



One-finger Hold One Second

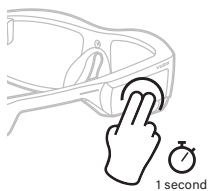
- open menu when available

Navigation



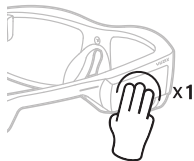
Two-finger Tap

- navigate back



Two-finger Hold One Second

- return to home

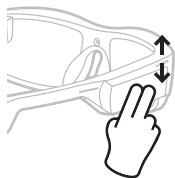


Three-finger tap

- put device to sleep
- touch trackpad to wake

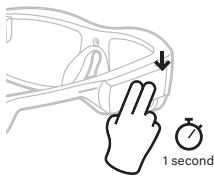
Using the Touchpad , CONTINUED

Audio



Two-finger Swipe Up/Down

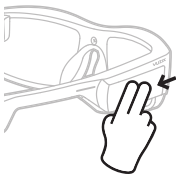
- increase or decrease volume



Two-finger Swipe Down Hold One Second

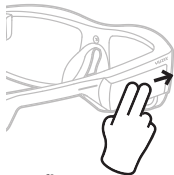
- mute

Content



Two-finger Swipe Backward

- backspace
- definable within app



Two-finger Swipe Forward

- delete action
- delete media
- clear current notification
- add space

WiFi Quick Connect

The easiest and fastest method to connect your Vuzix Blade smart glasses to WiFi is by using a QR code:

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

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

Example:

WIFI NAME

PASSWORD

ENCRYPTION

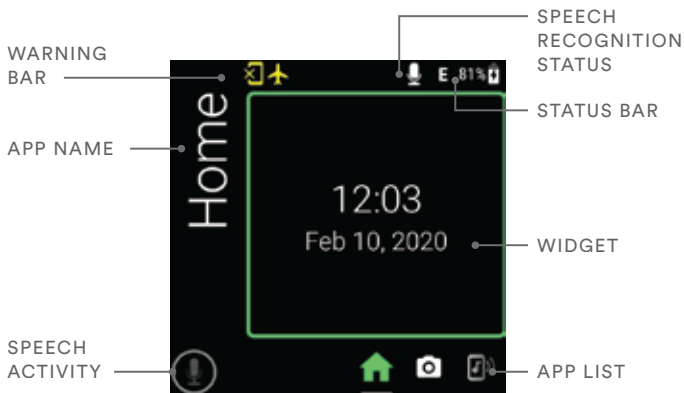
HIDDEN NETWORK


GENERATE



BladeOS

A list of apps is displayed horizontally allowing users to view different product features. One app is displayed at a time. Swipe the touchpad forward or backward to navigate through the app list.



 BladeOS has a built-in keyboard for character entry when needed. For in-depth information on this and other BladeOS features, refer to: www.vuzix.com/support/blade-smart-glasses

Vuzix Companion App

Download and install the Vuzix Blade Companion App from the App Store or Google Play.

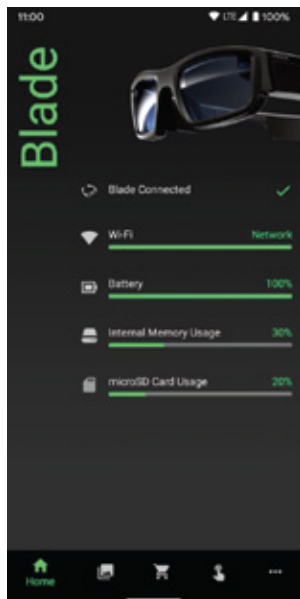
Once installed, tap Start Setup and follow the instructions on the screen to connect your iOS or Android smart phone with your Blade.



Apple App Store Link



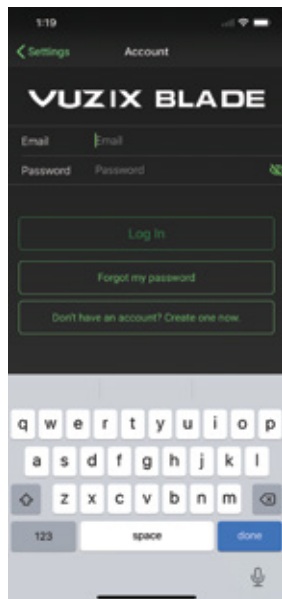
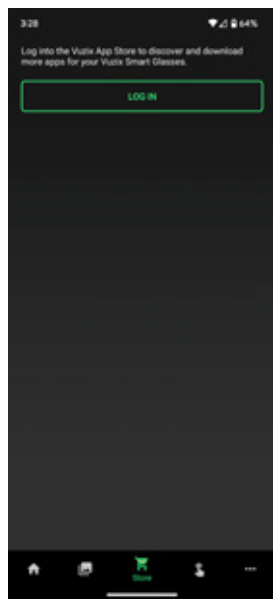
Google Play Link



Vuzix App Store

Once linked to your phone, you can install Apps from the Vuzix App Store. Once you login (or create an account if you do not have one) you will be able to install additional apps from the store.

Note: You may or may not see a login screen depending on your device.



General Warnings

- Always perform a visual inspection of the Blade Smart Glasses prior to use.
- Pitted or scratched lenses reduce vision and seriously reduce protection and should be immediately replaced.
- Eye and face protectors that have been subjected to an impact should not be used and should be discarded and replaced.
- This product is for eye protection against moderate impact hazards but is not unbreakable.
- Do not use this product against hazards other than those specified in this document.
- Do not modify or alter the product, there are no spare parts available.
- Always check with supervisory personnel to ensure you are being given the proper protection relative to working conditions.
- No parts of the safety spectacles which are in contact with wearer are made of materials which are known to cause any skin irritation. The material of the eye-protection, which is directly in contact with skin, will not do any harm to the skin. But to those who are easily allergic, there might be allergic reactions.
- Safety spectacles that protect against high speed particles worn over ophthalmic spectacles may transmit impacts, thus creating a hazard to the wearer.
- In accordance with EN 166:2001 and EN 170:2002 safety spectacles cannot be tested and approved for use against liquid droplets. Where liquid protection is specified a suitable product should be considered, for example safety goggles.
- This product is not suitable for grinding, welding, or for protection against mechanical impact from high speed particles.
- This eye protector only protects against physical hazards.

Applications / Standards

The Blade safety spectacles are designed to protect the user against eye injuries through mechanical impact and flying particles. The Blade safety spectacles with a secure and comfortable fit, will protect against common hazards.

This product can be used in a wide range of applications including Construction, Engineering, General assembly, Inspection work, and Light duty maintenance and repair

These safety spectacles do not provide unlimited eye protection. For your own protection, read these instructions completely before using the eye protection.

This protective eyewear has been shown to meet the basic safety requirements under Directives 2001/95/EC and comply with the requirements of (EU) Regulation 2016/425. This product has been examined at the design stage by DIN CERTCO Gesellschaft für Konformitätsbewertung mbH, Alboinstr. 56, 12103 Berlin, Germany; Notified Body: 0196. This product was tested and approved against EN 166:2001 and EN 170:2002, and ANSI Z871:2015.

This protective eyewear conforms to PPE Regulations 2016/425/EU, Regulations (EU) 2016/425 as brought into UK law and amended and the harmonized/designated standards EN166:2001 and EN 170:2002. Approved body for UKCA certification: TÜV Rheinland UK LTD, Friars Gate (Third Floor), 1011 Stratford Road, Shirley, Solihull, B90 4BN, United Kingdom, Approved body no. 2571. Notified body for CE Certification: DIN CERTCO Gesellschaft für Konformitätsbewertung mbH, Alboinstr. 56, 12103 Berlin, Germany, Notified Body no. 0196.

Operation of this device in the band 5150-5350 MHz is restricted to indoor use only. The applicable regulations can be viewed at the EU Declaration of Conformity link: <https://vuzix.com/support/legal>

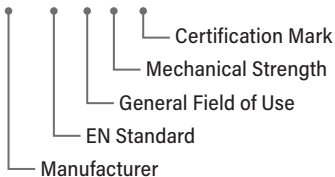
Eye Protection Marking

Frame Markings

EN166

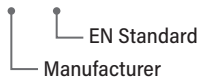
VUZ 166

S CE UKCA



Z87.1

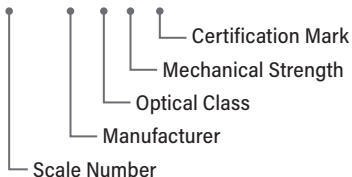
VUZ Z87



Lens Markings

EN166

2C-1,7 VUZ 1 S CE UKCA



Z87.1

VUZ Z87 U5



Note: If the symbols of the marking are not common to different parts of the protection equipment, the lower protection level shall be assigned to the complete protection equipment.



Note: If the General Field of Use is not a T, then the eye protector shall only be used against high speed particles at room temperature.

Optical Quality and Useful Life

The Vuzix Blade design provides excellent coverage and good field of vision. Optical class 1 lenses are particularly suitable when a high level of visual performance is required while protecting the human eye against damage that could result in defective vision, even when worn for prolonged periods of time.

EN166 Optical properties

Optical class	Spherical refractive power	Astigmatic reflective power
Class 1	± 0.06 dpt.	± 0.06 dpt.
Class 2	± 0.12 dpt.	± 0.12 dpt.
Class 3	$\pm 0.12, -0.25$ dpt.	± 0.25 dpt.

When stored correctly at a cool and dry place without use, the maximum lifetime of a safety eyewear product is 6 years. Depending on the intensity of use and wear caused by external influences, the maximum life of a product is 2 years. If protective eyewear has been scratched or otherwise damaged it must be replaced.

Cleaning

Treat your Blade as you would any quality eyewear. It is mostly maintenance free and only requires to be wiped down periodically.

Use only the included microfiber pouch or equivalent microfiber cloth.

Caution: Do not spray with cleaners. If required, use microfiber cloth moistened with standard eyeglass cleaner. Avoid spills. Solvents, household cleaners and paper towels should never be used on your Blade.

Caution: Do not pack loose objects in the zipper case with the Blade. Loose objects may cause damage to the Blade.

Caution: Vuzix Blade is not water resistant. Avoid submerging or exposure to moisture. Excessive moisture will damage the Blade.

Specific Absorption Rate

SAR limits are usually expressed in units of W/kg.

The Vuzix Blade2 has been tested at its highest transmission levels and placed in a position that simulates use against the head with no separation.

The maximum determined SAR value over all possible transmission modes is 1.55 W/kg, averaged over 1g of tissue.

Radio Frequencies

EU Compliance

Bluetooth/BLE: 2402-2480 MHz

2.4G WiFi: 2412-2472 MHz/2422-2462 MHz

5G WiFi: 5150-5259 MHz, 5250-5350 MHz, 5470-5725 MHz, 5725-5850 MHz

RF-Output Power:

Bluetooth: 7.91 dBm

BLE: 2.33 dBm

2.4G WiFi: 14.66 dBm

5G WiFi:

5150-5250 MHz: 21.64 dBm

5250-5350 MHz: 19.93 dBm

5470-5725 MHz: 19.95 dBm

5725-5850 MHz: 13.15 dBm



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

In all EU member states, operation of 5150-5250 MHz is restricted to indoor use only.

Usage

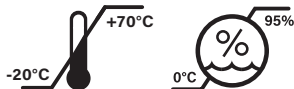
Operation

0 to 40°C, 0 to 95%RH



Storage

-20 to 70 °C, 0 to 95% RH



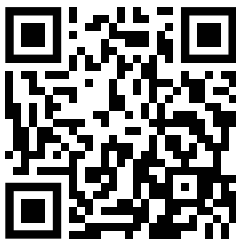
Support

For further documentation and support scan the QR code or visit

vuzix.com/pages/blade-support

For safety, warranty and regulatory information, go to the Vuzix legal page at:

www.vuzix.com/support/legal



SCAN QR FOR SUPPORT

For more information on Vuzix products and accessories visit:

vuzix.com | vuzix.eu | vuzix.uk | vuzix.jp

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514PB0001(0002) BLADE SERIES USER MANUAL