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products for the visually impaired - Development - Production - Sales

Visio
Braille



Vario 440

User Guide

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English 01/2022

VisioBraille - see with different eyes

VisioBraille GmbH specializes in products for blind and visually impaired people.

The high-quality and innovative Braille products, screen and reading devices as well as software solutions are developed and manufactured in Germany and are designed for use in training, at work or at home.

We question the existing and go new and innovative ways. Ergonomics, design and quality of our products developed and manufactured in Germany meet the highest standards.

Encouraged by the positive reactions from customers and distributors, VisioBraille has decided to continue producing products from the former BAUM Retec AG and also to ensure service.

On this basis, newly developed devices are also available to users. With innovative aids, we want to compensate for the limitations of blind and visually impaired people as best as possible, strengthen their independence and provide assistance on the way to an independently designed everyday life.

This goal is achieved through our high level of commitment in the development of high-quality products, through many years of experience in this

Area, through excellent know-how and proven competence with the aid of the most modern technologies, which noticeably improve the quality of life of our customers.

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1 About this user guide

Thank you for choosing a Vario 440 from VisioBraille. The purpose of this user guide is to provide the end user and/or their service provider with details on how to use Vario 440.

Vario 440 is a high-quality, German-made braille display, which will provide you many years of reliable service. This user guide contains everything you need to know to use your new device.

As you will learn, Vario 440 is very easy to use. In addition to instructions on how to operate the device, this user guide also includes recommendations what to do if anything goes wrong with the device, and important safety guidelines.

We advise that you store this user guide in a safe place for future reference.

Notice for End Users in Germany/Europe

This user guide is a part of the Vario 440 product, and should be kept with the product at all times. In the event Vario 440 is ever sold to a new end user, this user guide must be provided to them.

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2 About Vario 440

The Vario 440 is our new refreshable braille display of VisioBraille. It was design to be a high quality yet affordable braille display for computer users in need of a compact device. It has 40 braille cells and 6 display buttons. Vario 440 features a reversible USB Type C port, which means it doesn't matter which direction the USB plug is facing. No more need for testing and finding the right way to plug it in. Also the power will be delivered over the USB-Port. The device is so power efficient that no battery or additional power plug is needed. Like other VisioBraille refreshable braille displays, Vario 440 is a Human Interface Device (HID), which means a driver does not need to be installed to use it.

3 Before you begin

Please read the safety instructions at the end of this user guide and check the contents of the packaging.

3.1 What`s in the box

- 1 Vario 440 Braille Display
- 1 USB C cable
- 1 manual

4 Vario 440: Getting to know the Device



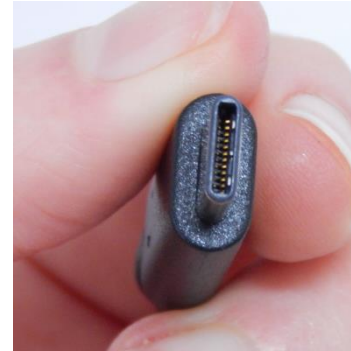
4.1 Top Side

The top of Vario 440 features a refreshable braille display with 40 braille cells, cursor routing buttons, 6 display buttons. Three of the display buttons are located on the left side of the braille cells, the other three on the right side. Let's take a closer look.

4.1.1 Braille Display and Display Buttons

To the left and right side of the braille display, you will find three small, round buttons. These are the display keys, which we refer to as D1, D2, D3, D4, D5, and D6. Think of these 6 buttons as a braille cell split in two, with D123 on the left and D456 on the right. These buttons are used to navigate the display left and right, up and down, and used to control the screen reader on a computer.

4.2 Right Side



On the right side of Vario 440 you can find the USB port, which is USB type C. Special about the USB Type C port is, that it doesn't matter which direction the USB plug is facing. No more finding the right position of the plug.

With this USB Port and the included cable the Vario 440 is connected to a computer. The cable is simultaneously used for power supply and USB connection.

The Vario 440 needs that less power, so it can be used as a low power device at the USB port. That means that in case it is used with a battery powered notebook, the runtime of the notebook is nearly not reduced.

As Vario 440 has no battery, you are never in need to change one.

5 First steps

As soon as Vario 440 gets power via USB connection the device name and version number is shown on the braille cells. This message will disappear automatically after short time or when the screenreader sends his data.

5.1 Updates for Vario 440

From time to time, new Vario 440 firmware updates will become available for download on our website. Please visit “Support” at <http://www.visiobraille.de>

5.1.1 Performing firmware updates

A small PC tool must be executed to install a new firmware version on Vario 440. Therefore Vario 440 must be switched on and connected to the computer. During the installation the braille display shows a progress bar. After the process is finished, Vario 440 will restart automatically and shows the new version number. The update process will take a few minutes to be completed.

6 Braille Display Functions

6.1 Introduction to Braille Display Functions

The following sections will explain how to connect the Vario 440 to other devices and use it as a refreshable braille display.

6.2 Use Vario 440 as a refreshable Braille Display

Insert the USB type C cable in the USB type C port on Vario 440. You do not need to check which side is up and down, because the cable on this end is reversible. Connect the other end of the USB cable into the USB port of your computer. The computer will recognize Vario 440 automatically as a USB HID Braille display. There is no need to install specific device driver.

You may have to install a driver for the screen reader; further details can be found in the manual of your screenreader.

7 Common problems and solutions

The device does not work.

Check if Vario 440 is connected to USB port and computer.

8 Defects and repair

If Vario 440 is defective– what to do?

- Did you check all settings and connections according to the user guide?
- Are you sure the power is live?

Do not use a broken device! Unplug broken device from mains! Please do not hesitate to contact your local VisioBraille GmbH dealer or VisioBraille GmbH.

You can reach VisioBraille GmbH at telephone number (+49) 3641 2816-400 in Germany. We will help you check your Vario 440 in case it is broken we can mail a service box for shipping Vario 440 to our repair department.

9 Compliances

9.1 CE Conformity

This product conforms to the guidelines of the European Union and takes the CE- and RoHS Marking.



9.2 FCC Conformity

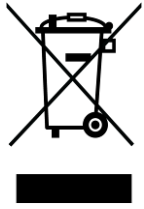
1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 - (1) This device may not cause harmful interference, and
 - (2) This device must accept any interference received, including interference's that may cause undesirable operation

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



NOTE: 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 Roles. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

9.3 Environmentally friendly disposal according to EU-Directive 2012/19/EU



The symbol (crossed garbage can), which is also attached to the device, states that this device and its accessories, once come to the end of its lifetime, should not be regarded as household waste. An environmentally friendly way of final disposal is compulsory.

This device contains electronic components. In order to avoid risks or dangers for the environment through non-professional waste disposal, the disposal of this device and its accessories must correspond to the valid EC-Directives or other local regulations. Please check your local regulations for proper disposing of this device or consult your local distributor.

For data privacy protection reasons, please remove all personal data from the device prior to disposal.

EU Konformitätserklärung
EU Declaration of Conformity

Wir, die Firma
We, the company

VisioBraille GmbH
Obmaritzer-Straße 4
07745 Jena
Germany

erklären in alleiniger Verantwortung, dass das weiter unten genannte Produkt
declare under our sole responsibility that the following product

Geräteart/ <i>Type of product:</i>		Elektrische Lesehilfe / <i>reading aid</i>
Handelsmarke/ <i>Trademark:</i>		VisioBraille
Modell <i>Model</i>	Artikelnummer <i>Article-no</i>	weitere Angaben <i>further details</i>
Vario440	-	keine Batterie / <i>not battery operated</i>

die grundlegenden Anforderungen der aufgeführten EU-Richtlinien erfüllt:

2014/30/EU	Richtlinie über die elektromagnetische Verträglichkeit
2011/65/EU	Richtlinie zur Beschränkung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten

meets the essential requirements of the following EU-Directives:

2014/30/EU	<i>Directive on Electromagnetic Compatibility</i>
2011/65/EU	<i>Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment</i>

angewandte Standards und Verordnungen/*applied standards and regulations:*

EN 55024:2010
EN 55032:2012/AC:2013
EN 55035:2017

EN 50581:2012

Bevollmächtigter zur Zusammenstellung der technischen Unterlagen:

Authorized person for technical documentation:

Name/*Name*, Position: Thomas Lucas, CEO

Jena, 07.01.2022

.....
Datum/*Date*


.....
Unterschrift/*Signature*

10 Warranty

VisioBraille GmbH warrants the device, effective from the date of delivery, to be free of any defects in material and workmanship. Warranty is not transferable and does not apply to groups, multi users or agencies. This device has been designed for the individual purchaser to be used in home or office environments. VisioBraille GmbH reserves the right to repair or replace with a similar or better product. In no event shall VisioBraille GmbH or its distributors be liable for indirect or consequential damages. The original users' remedies are limited to replacement of devices modules/parts. This warranty is valid only when service is done in the country of original purchase and with intact warranty seals. For additional warranty claims or service during or after warranty period, please refer to your local distributor. VisioBraille GmbH does not take responsibility for use of this device other than described in this Manual.

- Warranty on new devices is 24 months.
- Warranty on used or refurbished devices is 12 months.
- Warranty on Consumable parts (Batteries, Braille Pins, Data carriers etc.) is 6 months.
- Warranty on storage media (SD-cards, CD-ROMS, DVD's, etc.) is 90 days.
- Warranty on repairs and spare parts is 12 months.

All defects caused by improper use or users fault are not covered by this warranty.

Warranty will be void if warranty seal is damaged.

Parts replaced during repair are transferred into ownership of VisioBraille GmbH and will not be returned to the customer.

In case of repair the device must be properly packed into its original shipping box.

Costs for packing, shipping and insurance are not covered by VisioBraille GmbH.

11 For your safety

Important note: Failure to observe the following warnings may invalidate the guarantee and could cause damage of the device or serious injury.

Please check the contents of package before you use the device. If parts are damaged or missing, please do not hesitate to inform your dealer.

Please keep the shipping box, so you can safely pack the device in case you have to ship it for service, etc. Improper packaging could cause loss of warranty. In case you need a new shipping box, your dealer can send you one.

Please carefully read the user guide and safety instructions before you use the device for the first time.

This device may only be used in a home or office environment.

Do not place on an instable surface. It may fall causing serious damage to the device or injury to the user. Please follow the instruction on how to place the device especially in respect to avoidance of tilting and falling down by keeping proper space to edges of table.

Do not use the device if you find any damages at device or wires.

If the device appears to be operating abnormally, or to be damaged in any way, please contact your VisioBraille GmbH dealer as soon as possible.

If you smell smoke or an odor coming out of the device, unplug the USB-cable.

Do not try to repair the device yourself. Opening or removal of housing may cause damage or injury.

Do not allow sand or dust to come into contact with the device as this may lead to serious damage and could make repair impossible.

Use the device with clean hands only.

Do not use in locations where strong radio waves are emitted or where there is radiation. Keep a distance of at least 30cm to mobile phones.

Only use original accessories. Use of second source accessories may damage the device or cause malfunction or safety issues.

Avoid liquids and food near the device.

Do not use or store the device in any of the following places as this may cause damage:

- Inside cars parked with the windows closed in the hot sun.
- In direct sunlight or close to heaters, radiators, etc.
- Locations subject to severe vibration such as on top of a washing machine.
- Locations subject to strong magnetism such as near loudspeakers.
- Humid places (bath room), in water, or near water.
- In rain or snow
- Do not use or store below 0°C / 41°F or above 40°C / 104°F.
- Humidity shall be within 20% to 80%
- Avoid fast temperature changes

If you bring the device from cold places into a warm room, humidity may condensate. Wait until the device is dry and well-tempered to room temperature before use.

Unplug from mains before cleaning.

Wipe dust and dirt from the device with a soft cloth dampened with a diluted neutral detergent, then wipe dry with a cloth. Do not bring in contact with water.

Do not insert objects into openings.

Do not use device during thunderstorms. Unplug from mains during thunderstorms. We recommend use of an overvoltage protection adapter

for your computer or notebook, which can be bought from your local electro store. Please note, this does not provide a 100% protection from overvoltage.

Do not insert or remove the plug with wet hands.

Do not heat in a microwave oven, on a cooker or similar.

Never disassemble, attempt to repair or modify device yourself.

If liquids or metal fragments should enter device, remove the USB-cable immediately.

Do not pull the plug out by the lead when removing the cable.

Avoid shock. Do not throw or let fall.

Repairs may only be carried out by VisioBraille GmbH service personal or by service technicians authorized by VisioBraille GmbH.

Care and Maintenance

Avoid damp and water.

Use only a clean, dry cloth to clean the housing of the device. Do not use any cleaning fluids or solvents. Wipe dust and dirt from the housing of the device with a soft cloth dampened with a diluted neutral detergent (stay clear from the Braille cells and Roll-bars!), then wipe dry with a cloth. Do not attempt to clean the Braille cells and/or Roll-bars yourself. Contact your dealer for intensive and professional cleaning of your device.

Protect the device from extreme heat, e.g. from the sun, heating units, hot cars etc.

With extreme cold and frost the device becomes inoperable and must be brought slowly back to room temperature. Under no circumstances must

the device be warmed up or “thawed out” in a conventional oven, microwave oven or any other heating device!

Avoid any mechanical damage to the housing or accessories.

12 Technical details

- 40 Braille cells with integrated Cursor Routing buttons
- HID - Human Interface Device
- Six function keys
- USB Type C Port
- Housing: Aluminum, brushed
- Measurements: 310 x 17 x 60 mm
- Weight: 440 g
- Power supply via USB
- Charging rate: 100mA max.

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Please be advised that this user guide may contain errors, and is therefore subject to being changed or updated without prior notice.