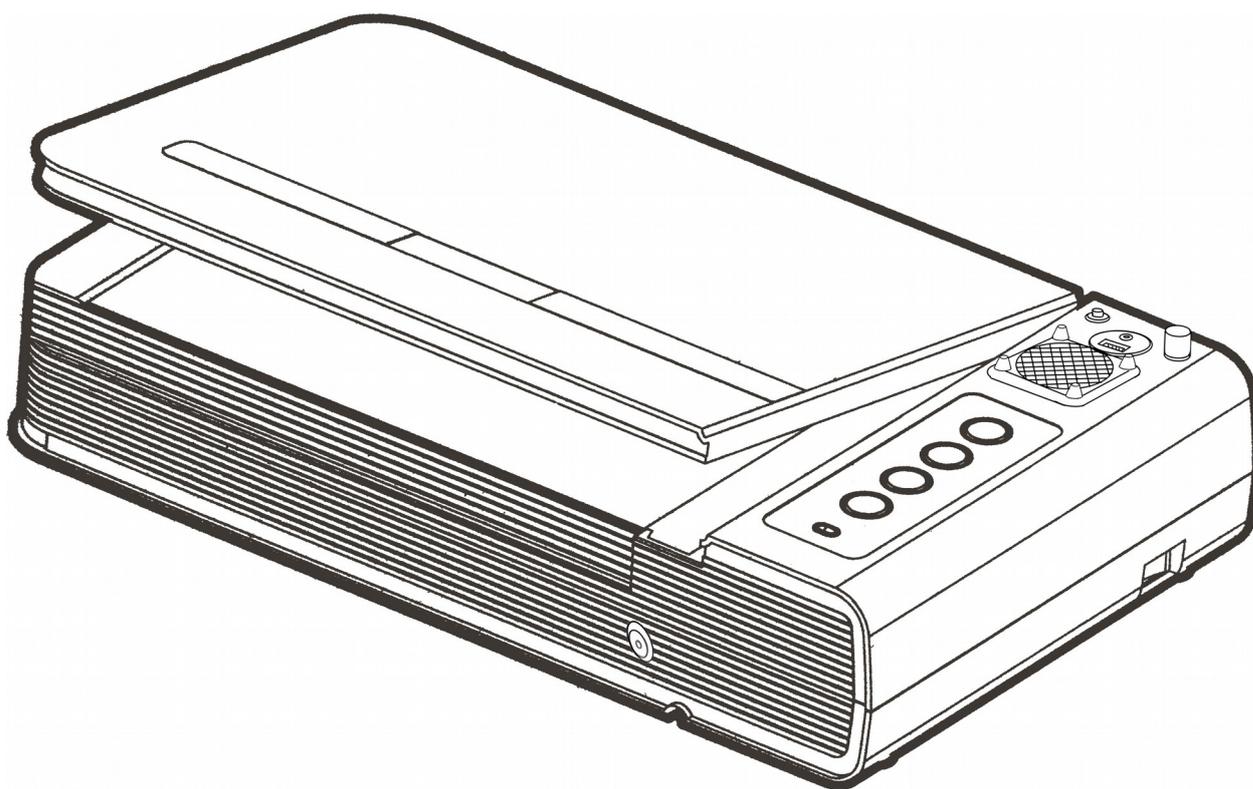


Bruno Reader



User's Manual

Brunomaster

7 Kalku Street, Riga, LV-1050,

Date: 07.2020.

<http://www.brunomaster.com>

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Contents

Introduction.....	4
Safety Instructions.....	5
Package Contents.....	6
Function Switches, Plugs.....	7
Setting Up the Device.....	9
Main Switch.....	11
Start Button.....	11
Power Off.....	11
Transporting or Moving the Device.....	12
Getting Started.....	13
Power On.....	13
Placing a Book On the Scanner.....	13
Scanning.....	15
Reading (Listening To) Text.....	15
Navigation Through the Scanned Text.....	16
Voice (Language) Selection From the List.....	17
MP3 Audio File Export.....	18
Restrictions.....	19
Language Recognition.....	19
Function Keys.....	20
Function Key Combinations.....	21
Operating Recommendations.....	22

Warranty.....	23
Troubleshooting.....	25
Technical data.....	27
Customer Support.....	28

Introduction

Bruno Reader (hereafter referred to as the "device") provides the opportunity to convert printed information into an audio format in various languages.

The User's Manual is a practical reference tool for users, rehabilitators and suppliers.

Notes: Given that the components of the device are susceptible to power over voltage and power drops, we recommend using uninterruptible power supply block. It will ensure a continuous and qualitative power supply to the device and protect it from damage to the electronics or software caused by abnormal electrical power fluctuations.

On page 19 of the User's Manual, you will find the contact information of the nearest technical support point and the manufacturer.

Thank you for choosing Bruno Reader.

Safety Instructions

To avoid or reduce the risk of damage to the device or injury, read the following information before using the device.

1. Use only in dry, indoor locations. Moisture condensation can damage the device in the following cases:

- when the device is moved directly from the cold to a warm location indoors;
- when warming up a cold room;
- when the device is placed in a humid room.

To avoid moisture condensation, we recommend to help the device adapt to room temperature by placing it into a plastic bag for at least 1-2 hours.

2. Use only the power adapter that came with your device. Other adapters may interfere with the proper operation of the device.

3. Damaged cords can cause short circuits, fires, or electric shock. Keep the power cord straight and without being bent, twisted, stretched or rubbed.

Package Contents

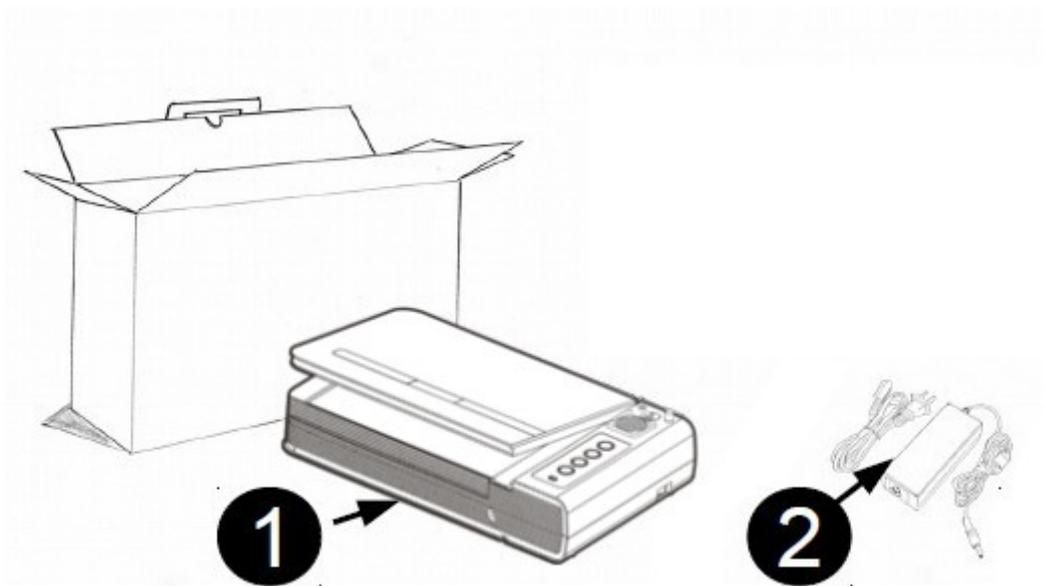


Image 1

1. Device (*see Image 1*)
2. Power adapter (*see Image 1*)

Function Switches, Plugs

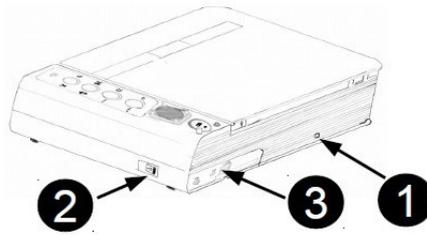


Image 2

1. *Power port*: to connect the power supply unit
(see Image 2)

2. *Main switch*: to switch on/switch off the power supply
(see Image 2)

3. *Extension ports*: USB, Ethernet, HDMI, DP (see Image 2)

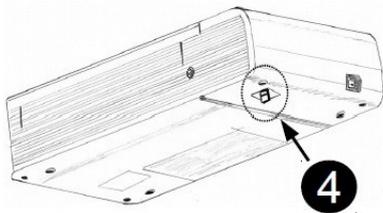


Image 3

4. *Mechanism switch*: to prevent damage during transportation (see Image 3)

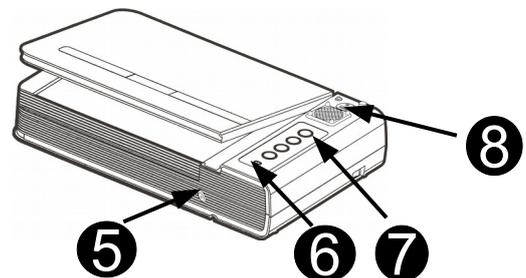


Image 4

5. *Start button*: to load the operating system
(see Image 4)

6. *LED light*: to inform about the power supply to the device (see Image 4)

7. *Function keys (4)*: to control the device (see *Image 4*)

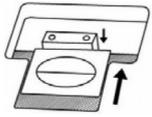
8. USB, Audio 3.5mm, Speaker, Volume control, MUTE button (see *Image 4*)

LED light	Status
On	The device is switched on and ready for operation after loading
Off	The device is switched off, because either the main switch (3) is switched off, or the power supply unit is disconnected from the power supply

Keep the packaging if you intend to move the device to a different location in the near future. It will protect the device from damage during transportation.

Setting Up the Device

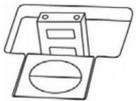
Step 1: *Mechanism Switch* (see Image 3)



The *mechanism switch* is designed to help protect the device during transportation.

It is recommended to choose the mode "always on" after placing the device in its permanent location.

This can be done by locking the mechanism key in its deepest position with the help of the lock.



The second mode of the mechanism switch is called "automatic locking mode".

When the device is placed on a flat surface, the mechanism key is in the working position (slid in). As soon as the device is lifted from the surface, the device mechanism will lock. This mode is recommended when moving the device around, e.g., from home to school.

(!) If the device is placed on an uneven surface, the mechanism key may not unlock the mechanism while in the automatic mode. In this case, the mechanism key must be switched to "always on".

Important! Switch back to the "automatic locking mode" before transporting the device.

(!!) When the device mechanism is locked, mechanical cracks may be heard. Unlock the mechanism key before proceeding.

Step 2: *Connections*

Before starting work, make sure that:

1. The power supply unit is plugged into the power port of the device (*see Image 2*).
2. The power supply block is plugged into a power outlet.
3. The 3.5 mm audio plug on the surface of the device (*see Image 4*) is for connected to earphones.

(!) Make sure that the connected sound source is not set at an excessive volume level.

4. The Main switch is to be switched on only after the power plug has been plugged into the device.

(!) Before connecting the power plug, make sure that the Main switch is in the OFF position or the power supply unit is disconnected from the power outlet. Failure to observe this condition may cause damage to the equipment.

Main Switch

The *Main switch* is located in the far right corner of the device (see *Image 5*)

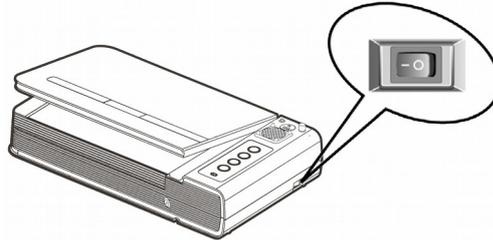


Image 5

The power supply to the device starts after pressing the *Main switch* in the direction of the user. A blue LED light on the function key block indicates that the power is being supplied to the device.

To stop the power supply to the device, press the *Main switch* in the direction away from you. When the power is turned off, the blue LED indicator turns off, as well.

Start Button

The *Start button* is located on the front panel of the device (see *Image 4*).

Power Off

To switch off the device, press the *Start button*. The operating system will shut down in approximately 10 seconds. Use the *Main switch* to stop the power supply to the device.

Failure to follow the above mentioned sequence can damage the operating system.

Transporting or Moving the Device

1. Disconnect the power supply unit from the electricity supply.
2. Unplug the power supply unit from the power port of the device.
3. Disconnect other devices.
4. Use the mechanism switch to lock the device (see *Setting Up the Device* on page 9).

Getting Started

Power On

1. Push the *Main switch* in the direction of the user.

The power supply will start up.

2. Press the *Start button*.

A signal will indicate the beginning of the loading process.

The operating system and the scanning mechanism will load in approximately 35 seconds. A short beep sound will signal that the device is ready for use.

Placing a Book On the Scanner

1. Open the lid and place the book cover, spread, or page face-down on the scanner glass.

When scanning full spreads, press the back of the book to the glass surface so that both sides of the book are as close to it as possible (see I



Image 6

(!) If the selected book is very thick and tightly bound, the recognized text may be incomplete due to the fact that the full spread of the book cannot be pushed sufficiently close to the glass surface.

(!!) To prevent this, place the book in the position for scanning individual page (see Image 7). When scanning, press the back of the book to the glass surface so that the scanning area of the page is as close as possible to the scanner's active edge.

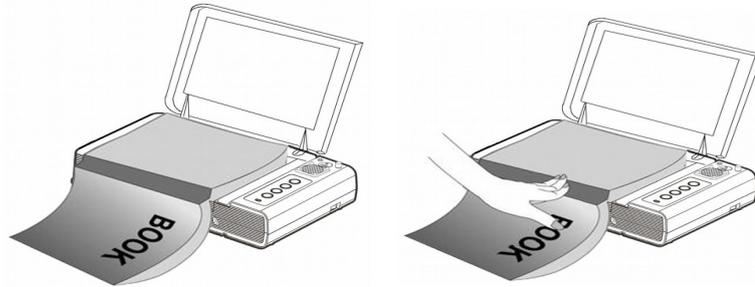


Image 7

Tip: Use a bookmark to keep record of the amount of pages scanned!

2. Close the lid without pressing on it.

Scanning

1. To start a new scanning session, long press (~2 seconds) the key .

You will hear the movement of the scanning head, as well as short, recurrent device activity signals throughout the whole process of scanning and recognizing the page.

2. To continue to scan the next page (or to continue to add to previous scans), short press the key .

Turn the page and continue to scan until the required number of pages is scanned. New pages will be added sequentially.

Reading (Listening To) Text

1. After completion, short press the key  to start recognizing and reading the text.

Text playback will begin immediately after the text recognition process is completed.

(!!!) To listen to the scanned pages another time (even after restarting the device) without placing the book on the scanner glass again, short press the key  and after the scanner mechanism has stopped, short press the key .

2. To pause/continue text playback, short press the key .

3. To delete all scanned material from the memory, long press the key .

Navigation Through the Scanned Text

1. To pause text playback, short press the key .
2. To move to the previous sentence, short press the key .
3. To move to the next sentence, short press the key .
4. To move to the previous page, press the following key combination.

Long press (until a signal is heard)  and then *short press* .

5. To move to the next page, press the following key combination:

Long press (until a signal is heard)  and then *short press* .

Voice (Language) Selection From the List

1. To pause text playback, short press the key .
2. To change the voice (language). long press (until a signal is heard) .

After carrying out the language selection command, a message in the newly selected voice (language) will be played.

3. If the next voice (language) is not the desired one, carry out the following command  again:

(!) The language selected by the user will remain active throughout the session until the device is turned off.

MP3 Audio File Export

1. To pause text playback, short press the key  .
2. Connect a USB storage device to the USB port (wait ~ 3-5 sec.).
3. To save the recognized text to a USB storage device as an audio (MP3) file, press the following key combination:

Long press (until a signal is heard)  and then *short press*  .

(!) A scanned A4 page converts to approximately 1 MB of MP3 audio file. For example, if 50 pages are scanned, the audio file can be ~50 MB in size

4. If HumanWare Victor Reader Stream is connected to the device, the audio file will be saved to its audio file library and the HumanWare Victor Reader Stream audio playback functionality will be provided.

(!) Connecting a USB storage device to the reader, the MP3 audio file will be saved to a folder called "Bruno" with the playback speed selected by user and the name including the date and time of the recording.

Restrictions

This device is designed for reading books, letters, simple tables, newspapers and magazines. It will not recognize handwriting. Smudges or crossed-out passages reduce the quality of text recognition. Depending on the text size, page formatting, printed images and smears, the recognition process can take an average of 10 to 15 seconds.

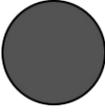
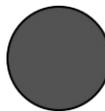
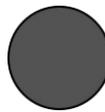
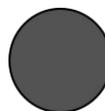
Language Recognition

Multiple reading voices or languages come pre-installed on the device. It is possible to use up to 4 voices/languages in the Bruno device. It is possible to replace or add voices/languages upon request.

The user can select the reading voice or language by carrying out the following command:  .

Keys

All function keys have tactile function identification labels.

Function	Tactile Label	Position on the Panel	Tactile Label	Function
Short Press			Long Press (~2 seconds)	
PREVIOUS SENTENCE				
NEXT SENTENCE				READ FASTER
READ, PAUSE, CONTINUE				LANGUAGE SELECTION
SCAN (NEXT PAGE)				DELETE PREVIOUSLY SCANNED TEXT AND START A NEW SESSION

Function Key Combinations

Key Combinations			Function
1.	+	2.	
Long Press (~2 Seconds)		Short Press	
	+ <i>Without Releasing the Button</i>		A) Export MP3 audio file to HumanWare Victor Reader Stream folder B) Export MP3 audio file to any other external USB storage device
	+ <i>Without Releasing the Button</i>		Move one scanned page forward
	+ <i>Without Releasing the Button</i>		Move one scanned page back

Operating Recommendations

To ensure long-term smooth operation of the device, please take into account the following recommendations:

- Avoid using the device in a dusty environment. Dust and other small foreign bodies can damage the device.
- Do not expose the device to excessive vibration. It can damage the internal components of the device.
- Clean the glass surface with a soft cloth sprayed with a small amount of glass cleaning spray.

DO NOT USE THE SPRAY DIRECTLY ON THE GLASS SURFACE!

The excess liquid can leak into the device, causing damage to the device optics and electronics.

- The suggested optimal operating temperature is between 10°C and 35°C.

Protection Against Theft

A Kensington lock is built into the rear panel of the device. The key is to be purchased separately.

Warranty

Brunomaster guarantees that all components included with the device are of high quality and have been thoroughly tested. Most reading materials can be accurately recognized; however, difficulties may arise when using crumpled or otherwise damaged documents, documents in old print, or a complex text layout.

The warranty period is 1 (one) year, including the delivery date.

During the warranty period, Brunomaster will repair or replace any component of the device free of charge.

Brunomaster guarantees that the device shall operate in accordance with the functionality described in the User's Manual, taking into account the restrictions listed in the document.

Brunomaster reserves the right to refuse to provide free warranty repairs in the following cases:

- if the housing or internal components (electronics and/or machinery) have noticeable physical defects caused by external impact or drop;
- if electronic components are damaged due to exposure to humidity;
- if the housing or internal components (electronics and/or machinery) have noticeable traces of repairs or alterations;
- if the housing of the device has been opened.

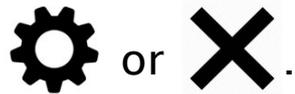
Brunomaster is not responsible for the compatibility or quality of any equipment that is provided by the customer, or for any alterations or modifications made by the customer after the purchase.

Any warranties that may be attributable to the warranty period of the device are deemed to be valid only within the original warranty period.

Under no circumstances will Brunomaster be held responsible or liable for any accidents, consequences, loss or damage, direct or indirect, resulting from unilateral termination of the warranty, even if Brunomaster, its representative or sales agent was warned about it beforehand.

Troubleshooting

Question: The scanning process does not start and no signals are heard after carrying out the following command:



1. Make sure that the device is turned on and the operating system has loaded. Remember the information about the *Main switch* and the *Start button* (see pages 7 and 8).
2. Check if the power adapter is connected properly. Make sure that the power cord is firmly plugged in.
3. Check if the sound cord is connected properly. Make sure that the sound cord is firmly plugged in.
4. Make sure that the speaker volume is not set to *Mute*, or zero. Note that when you connect the earphones into the jack located on the speakers, speakers stop working and the audio instantly switches to earphones.
5. Switch off the device with the help of the *Start button* and stop the power supply with the help of the *Main switch*.

6. Make sure that the *Mechanism switch* is unlocked and the mechanism is ready for operation (page 7).

7. Restore the power supply by pressing the *Main switch* and *Start button*, consecutively.

If these steps have not helped resolve the problem, please contact your supplier or Brunomaster Technical Support:

Phone: +371 66917171

E-mail: info@brunomaster.com

Technical data

Bruno	
Dimensions	491 x 291 x 102 mm
Weight	3.8 kg
Operating Temperature	10°C to 35°C
Supported Document Formats	Books, letters, documents etc. Maximum size - 216 mm x 297 mm Minimum size - 12.7 x 12.7 mm
Maximum Optical Resolution	600 dpi
Connection Plugs	USB 3.0, Audio 3.5mm, Ethernet, HDMI, DP
Light Source	LED
Power Adapter	DC 22V, 3A
Power Consumption	In operation: max 18 W In standby mode: 5 W
Certification	CE certificate

Customer Support

In case of technical problems, please refer to the "Troubleshooting" chapter (page 25).

If you still are experiencing issues, please contact manufacturer's technical support via e-mail listed below. Technical support questions will be handled in two working days' time. Provide the following information about the device in the e-mail:

- model or name;
- manufacturer's serial number (found on the bottom of the device);
- warranty number (found on the blue label);
- detailed description of the problem.

Deliver old or non-working device to the nearest electronics recycling center or contact your direct supplier.

Contact Information:

Phone: +371 66917171

E-mail: info@brunomaster.com