

NOVA Ultra User Manual

NOVA Ultra



Document Version

This is the latest user manual for NOVA Ultra (**NOVAUL01**). If you are looking another document version, or a different model ID, please advise the following table.

Model Name	Model ID	Software Version	Document Version
NOVA Ultra	NOVAUL01	2.0	1.0

Included in Box



NOVA Ultra



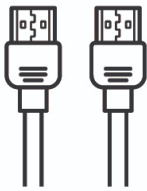
Quick Start Guide



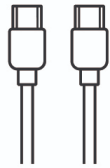
Remote Control



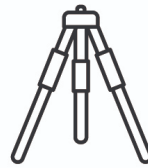
Batteries (2 x AAA)



HDMI® Cable



USB-C™ Cable



Mini Tripod

Safety Instructions

If physical injury loss of data or damage is caused by failure to follow instructions the warranty does not apply.

General

- For adult use only. Children under the age of eighteen must be supervised.
- Do not expose to moisture, liquids, or direct sunlight.
- Do not block ventilation or place in enclosed spaces.
- Avoid placing on soft surfaces like cloth or carpet.
- Do not disassemble. Risk of electric shock.
- Avoid extreme temperature changes and vibrations.
- Only use manufacturer-approved accessories (Piczo).
- Let the device cool down if it overheats before reuse.

Power Supply

- Use a compatible USB-C PD charger (65 W recommended, not included).
- Disconnect during lightning storms or long inactivity.
- Do not handle cables or connectors with wet hands.

Battery & Remote Control

- Do not attempt to replace the built-in battery. Contact Piczo for support.
- Keep the battery charged; avoid long-term discharge storage.
- Remote control contains small batteries — keep out of reach of children.
- Explosion risk — avoid heat, sunlight, or fire exposure.
- Dispose of batteries properly. Do not incinerate.

Hearing

- Listening at high volume for extended periods may cause hearing damage.

Cleaning

- Power off and unplug before cleaning.
- Use a dry, lint-free cloth only — no liquids or sprays.
- Use proper lens cleaning paper on the projector lens.
- Only use manufacturer-approved accessories (Piczo).

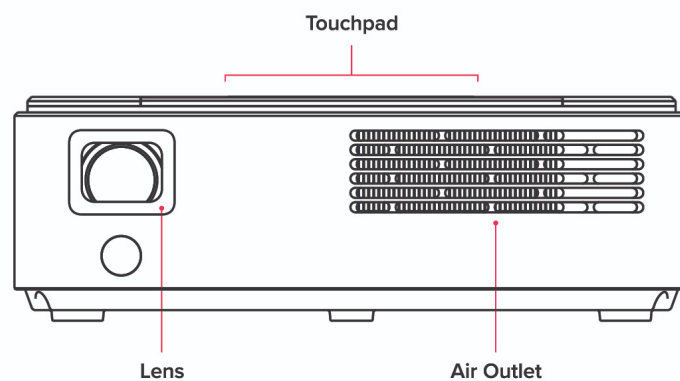
Repairs

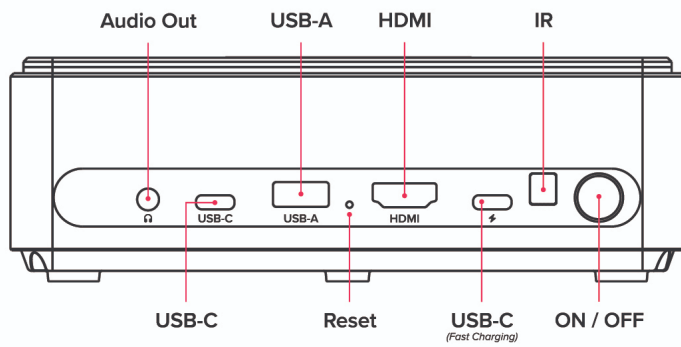
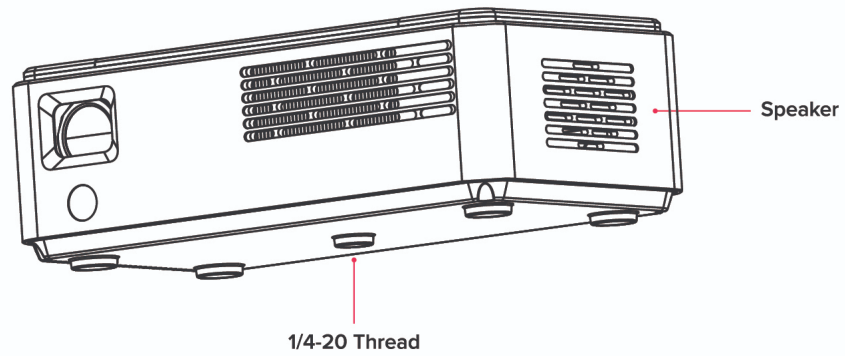
- Do not attempt to repair the device yourself.
- Contact Piczo or the store where purchased for repairs.
- Improper repairs may cause injury or further damage.

Optical

- **CAUTION:** Hazardous optical radiation — do not stare into the beam.
May cause eye injury.

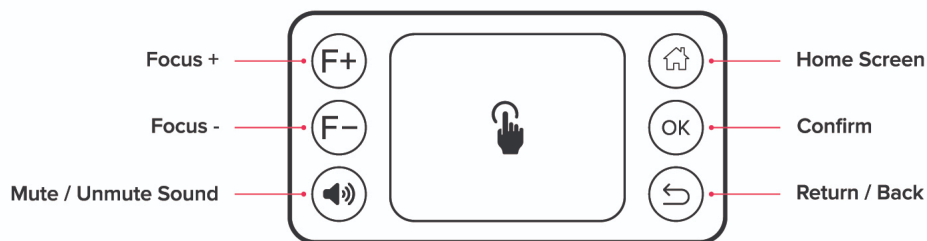
Projector





Touchpad

The touchpad is located **on top of the projector**.

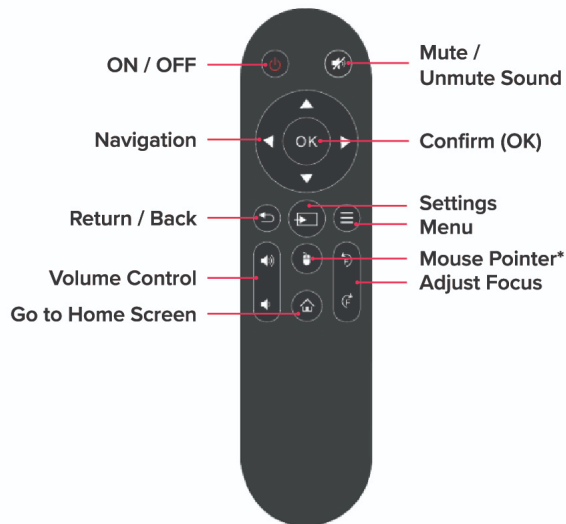


How to use the touchpad

- Use one finger on the center of the touchpad to **move the Mouse Pointer**.
- Double tap anywhere on the touchpad with one finger to **Confirm (OK)**.
- Use two fingers on the center of the touchpad to **scroll up and down**.

Remote Control

The remote control requires two **AAA 1.5 V batteries** (included). Insert them correctly before use. Replace with the same type if needed.



*Press this button to activate/deactivate the **Mouse Pointer**. The remote control must be paired before use of this function.

How to insert batteries correctly

- Slide the battery compartment underneath the remote control in the direction indicated by the arrow to open it.
- Insert two AAA 1.5 V batteries matching the indicated polarity (+/-).
- Slide the compartment back into place to close it.

Getting Started & Basic Instructions

First-time Charge

Charge the battery for at least **4 hours** before first-time use.

Placement & Mounting

- Place the projector on a stable surface.
- For tripod mounting: use the ¼-20 threaded hole on the bottom.
- Move the projector closer to or farther from the projection surface to adjust the screen size.

Power ON / OFF

Press and hold the **ON / OFF** button on the projector for **3 seconds** to turn the projector on/off.

Focus

Autofocus will activate automatically. Adjust the focus manually via top buttons on the touchpad if needed.

Resizing Projection Screen

The projection screen size is related to the distance from the projector to the surface on which the display is being projected onto, also known as throw distance. Please refer to the following table for the relationship between throw distance and screen size.

Screen Size	Throw Distance
7"	18 cm
38"	1 m
56"	1.5 m
100"	2.5 m
200"	4.5 m

The measured values are estimated for reference only.

First-time Setup

The initial setup process will begin automatically the first time you power on the projector.

1. **Pair the Remote Control**

Follow the on-screen instructions to pair the included remote control via Bluetooth®.

2. **Select Your Time Zone**

Choose your local time zone from the list provided. This ensures accurate system time for apps, updates, scheduling, and more.

3. **Connect to Wi-Fi®**

Select your Wi-Fi network from the list of available networks. Enter the network password to connect the projector to the network.

4. **Setup Complete**

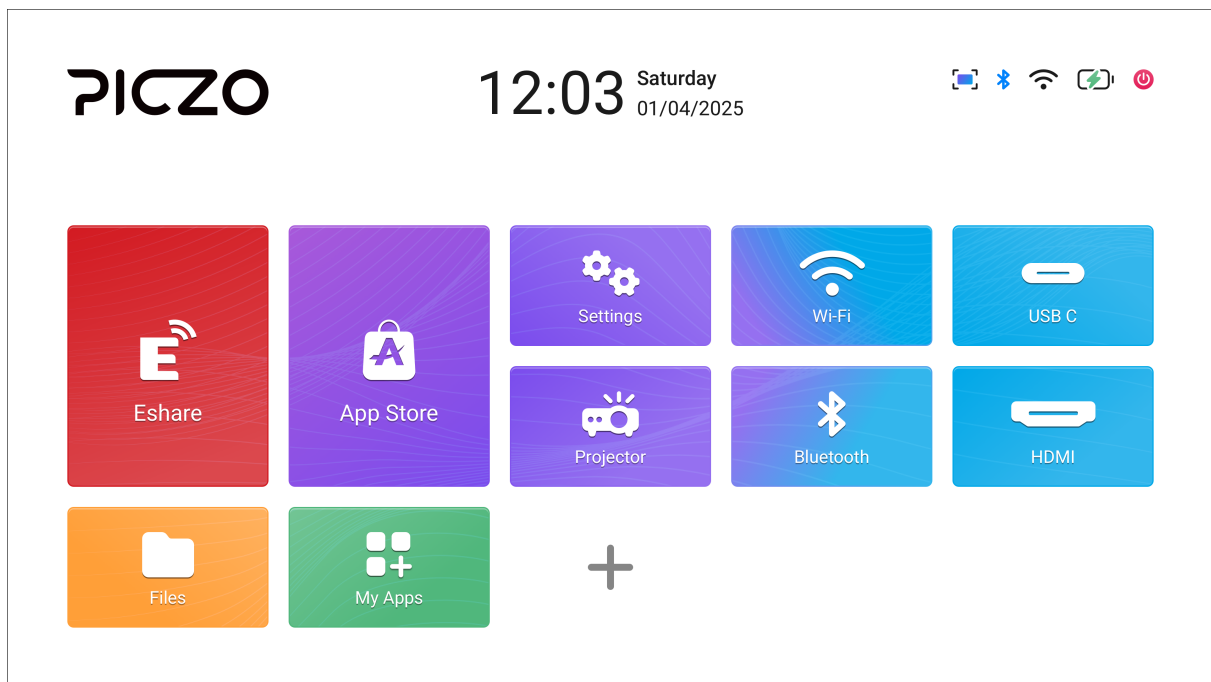
Once connected, the setup is complete, and you will be taken to the **Home Screen**.

Offline Setup

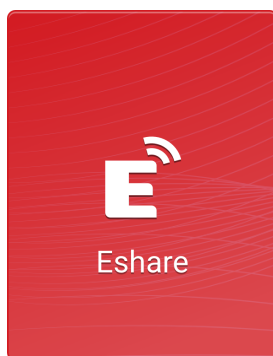
You can **Skip** the first-time setup at any step and enter the **Home Screen** offline by using the touchpad on the top of the projector. You can complete remote control pairing, set time zone, and connect to Wi-Fi later via **Settings**.

User Interface

Home Screen

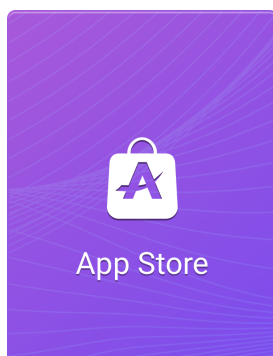


Home Screen Shortcuts



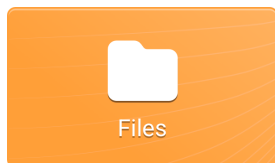
Eshare

A wireless screen mirroring and collaboration app made for sharing content from your devices (smartphone, tablet, or computer) to the projector.



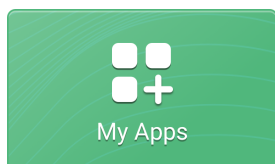
App Store

A licensed, alternative app store with no restrictions. All apps are free.



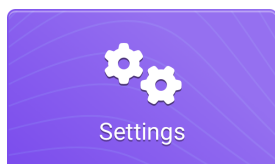
Files

Quick access to all files available on the projector and connected memory devices.



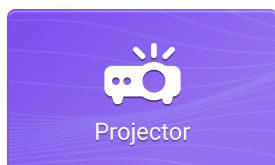
My Apps

Quick access to all installed apps on the projector.



Settings

Quick access to all settings for the projector.



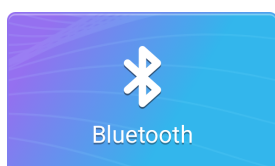
Projector

Quick access to projection specific settings for the projector.



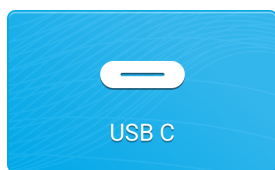
Wi-Fi

Quick access to Wi-Fi settings.



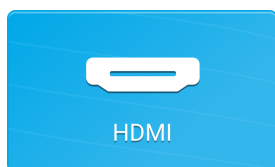
Bluetooth

Quick access to Bluetooth settings.



USB-C

Activate and display the USB-C source connected to the projector.



HDMI

Activate and display the HDMI source connected to the projector.

Status Icons

The **Status Icons** can be found on the **Home Screen** in the top right corner.



Autofocus

Indicates Autofocus ON / OFF.



Bluetooth

Indicates Bluetooth ON / OFF.



Wi-Fi

Indicates Wi-Fi Connected or Not Connected / OFF, and signal strength when connected.



Battery

Indicates battery status and battery level.



Power OFF

Turn projector off.

Status Icon: Autofocus



Autofocus ON

Autofocus is on.



Autofocus OFF

Autofocus is off.

Status Icon: Bluetooth



Bluetooth ON

Bluetooth is on.



Bluetooth OFF

Bluetooth OFF.

Status Icon: Wi-Fi



Wi-Fi Connected (Great Signal)

Wi-Fi is connected with great signal.



Wi-Fi Connected (Fair Signal)

Wi-Fi is connected with fair signal.



Wi-Fi Connected (Bad Signal)

Wi-Fi is connected with bad signal.



Wi-Fi Not Connected / OFF

Wi-Fi is not connected or off.

Status Icon: Battery



Battery Full

Battery is fully charged.



Battery Three Quarters

Battery level is ~75%.



Battery Half

Battery level is ~50%.



Battery One Quarter

Battery level is ~25%.



Battery Low Warning

Battery level is low and needs charging.



Battery Charging

Battery is charging.

Input Sources

You can connect to the projector using three input types: **wireless display**, **wired display**, and **USB storage device**.

Wireless Display

To project wirelessly, connect your device to the same Wi-Fi network as the projector*. Then find and use your device's screen sharing functionality, such as **AirPlay®**, **Screen Mirroring**, or **Smart View™**. If needed, download and launch the **Eshare** app on your device, then find and launch the **Eshare** app on the projector by navigating to **Home Screen** > **Eshare**, and follow the instructions on the screen to connect to the projector.

*Not required for **Smart View**. Instead, find and launch the **Wifi Display** app by navigating to **Home Screen > My Apps**, then choose “**NOVA Ultra**” from the list on your device’s **Smart View** menu to connect directly to the projector.

Wired Display (HDMI / USB-C / USB-A*)

1. Connect a compatible device via **HDMI** or **USB-C**.
2. Select the corresponding input source (**HDMI** or **USB-C**) from the **Home Screen**.

- *Please note that some devices that support **USB-A display mirroring** may connect via **USB-A cable** and begin projection automatically. *Supported through device-specific protocols. Limited to select (older) iOS versions.*
- The projector supports input sources at 60 Hz.

USB Storage Device (USB-A 2.0)

1. Insert a **USB-A 2.0 compatible storage device**.
2. Navigate to the **Home Screen > Files**, or use the prompt shown at the bottom of the projected screen upon connection to access and view its content.

- Please note that some USB storage devices require external power to operate properly.
- The projector supports USB 2.0 storage devices formatted to NTFS and FAT32 with full support for max file size and max hard drive size.

Technical Specifications

Device

Model Name	NOVA Ultra
Model ID	NOVAUL01

Display

Native Resolution	1920 × 1080 (Full HD 1080p)
Compatible Resolution	Up to 4K
Projection Technology:	DMD DLP® (Active Shutter 3D)
Brightness	700 ANSI lumens
Contrast Ratio	3000:1
Screen Ratio	16:9
Refresh Rate	60 Hz
Projection Size	7" to 200"
Throw Ratio	1.2:1
Focus	Autofocus + Manual
Keystone Correction	±45° Vertical (Auto & Manual), 4-Corner Adjustment
Supported Projection Methods	Front/Rear/Ceiling/Inverted (supports image flip and mirror)

Light Source

Type	RGB LED (OSRAM®)
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LED Lifespan	>30,000 hours
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System & Performance

Operating System	Android™ TV (SW: V2.0)
CPU	MediaTek™ SoC with 4K H.265/AVS2
RAM	1 GB DDR3
Storage	16 GB eMMC 5.1 flash

Audio

Built-in Speaker	5 W
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Connectivity

Wi-Fi®	Dual-band IEEE 802.11 a/b/g/n/ac (2.4/5.0 GHz)
Bluetooth®	5.0
Wireless Screen Mirroring	Apple® AirPlay®, Miracast® (Android™)
Wired Screen Mirroring	USB-A, USB-C™ (with DisplayPort® / Samsung DeX® support)

Power

Power Input	USB-C™ PD (65 W, 20 V)
Power Consumption	36 W
Battery	10,000 mAh Li-Polymer
Runtime	Approx. 2 hours in energy-saving mode

I/O Ports

1 × HDMI® 2.1
2 × USB-C™ (AV, Charging)
1 × USB-A (Data/AV)
1 × 3.5 mm Audio Out

Media Sharing

DLNA® playback supported via local network or Wi-Fi Direct
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Supported File Formats

Video	DAT, FLV, MKV, MOV, MP4, MPG, RM, TRP, TS, WMB, RMVB
Audio	AAC, FLAC, M4A, OGG, MP3, WAV, WMA
Image	PNG, BMP, JPEG, JPG

Mounting

Equipped with a standard ¼-20 threaded mounting hole on the bottom

Physical

Dimensions	160 × 90 × 50 mm
Net Weight	684 g

Operating Temperature

The suitable temperature range for the projector is 0–40°C / 32–104°F.

ANSI Testing Notice

ANSI brightness and performance metrics are measured in-house by our manufacturer in China. This is not an independent third-party verification; results may vary under different conditions.

Digital Rights Management (DRM) Notice

DRM restrictions from some streaming services prevent streaming or mirroring some copyrighted content to this projector, wirelessly or wired. This is a licensing limitation, not a hardware issue.

Regulatory Information

EU Declaration of Conformity



Swede Invent AB, registered in Sweden, hereby declares that this device complies with the essential requirements and other relevant provisions of Directive 2014/53/EU (Radio Equipment Directive). The full EU Declaration of Conformity is available at www.piczo.se/manualer

Safety and Compliance

RF Exposure Information

Projector

The Maximum Permissible Exposure (MPE) level has been calculated based on a distance of $d=20$ cm between the device and the human body. To maintain compliance with RF exposure requirements, maintain a 20 cm distance between the device and the human body.

Remote Control

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure conditions without restriction.

Recycling



This product and/or its packaging is made using high-quality materials and components that can be recycled or reused.



The product must not be discarded as household waste, and should be delivered to an appropriate collection facility for recycling. Proper disposal and recycling help protect natural resources, human health and the environment. For more information on disposal and recycling of this product, contact the manufacturer (Piczo), or the store where you bought this product.

Intended Usage Environment



The device is intended for indoor use only.

Child Safety



WARNING! Not suitable for children under the age of 3. Contains small parts that may cause choking.

Manufacturer / Importer (EU Responsible Party)

Manufacturer: Swede Invent AB, registered in Sweden.

Manufacturer Address: Säterivägen 16, 65341 Karlstad, Sweden.

Country of Origin: Made in China.

Traceability Info: Refer to labeling on product and packaging.

Contact (EU matters only): eu@piczo.se

Warranty

30-Day Money-Back Guarantee for Any Reason

You may return your undamaged product in its original packaging within 30 days of receiving the item for a full refund, regardless of the reason. If the

return is not due to a defect in materials or workmanship, the customer is responsible for return shipping costs.

24-Month Warranty for Material and Workmanship Defects

Piczo's products are warranted to be free from material and workmanship defects for 24 months from the date of delivery. Within this period, Piczo will provide a replacement and cover any return shipping costs for products that fail during normal use.

Any provided shipping label must be used within 10 days from the date they're issued by Piczo.

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