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#### **XGIMI Horizon 20 Max**

# XGIMI Horizon 20 Max 4K Projector User Manual

Model: Horizon 20 Max

## **INTRODUCTION**

This manual provides essential information for setting up, operating, and maintaining your XGIMI Horizon 20 Max 4K Projector. Please read this guide thoroughly before using the product to ensure proper function and to maximize your viewing experience. Keep this manual for future reference.

# IMPORTANT SAFETY INFORMATION

- Laser Safety: Do not look directly into the projector lens when the projector is operating. The laser light source can cause eye damage.
- **Ventilation:** Ensure adequate ventilation around the projector. Do not block ventilation openings. Overheating can lead to malfunction or fire.
- Power Source: Use only the provided power adapter. Ensure the power supply voltage is compatible with the projector's requirements.
- Placement: Place the projector on a stable, level surface. Avoid placing it in areas with high humidity, dust, or extreme temperatures.
- Cleaning: Disconnect power before cleaning. Use a soft, dry cloth. Do not use liquid or aerosol cleaners.

## PACKAGE CONTENTS

Verify that all items are present in the box:

- XGIMI Horizon 20 Max Projector
- Remote Control
- Power Adapter
- User Manual (this document)
- · Warranty Card

# **PRODUCT OVERVIEW**

optics, integrated smart TV functionality, and robust gaming capabilities.



Image: Front-right view of the XGIMI Horizon 20 Max 4K Projector, showcasing its sleek design, lens, and speaker grille.

# **Ports and Connections**

The projector offers a comprehensive suite of connectivity options located on the rear panel.

Image: Rear view of the XGIMI Horizon 20 Max showing various input and output ports including HDMI, USB, Optical, and Audio Out.

- HDMI x 2 (HDMI1 supports eARC): For connecting external video sources like gaming consoles, Blu-ray players, or set-top boxes.
- USB 3.0 x 1: For connecting USB storage devices.
- USB 2.0 x 1: For connecting USB storage devices or peripherals.
- Optical Audio Out: For connecting to external audio systems.
- Audio Out (3.5mm): For connecting headphones or external speakers.
- Power Input: For connecting the power adapter.

# **SETUP**

# 1. Placement

Optimal placement is crucial for the best viewing experience. The Horizon 20 Max offers flexible installation options.



Image: Diagram illustrating the vertical (±120%) and horizontal (±45%) dynamic lens shift capabilities of the projector, allowing image adjustment without moving the unit.

- **Dynamic Lens Shift:** This feature allows you to move the projected image up, down, left, or right (V±120% / H±45%) without physically moving the projector or causing image distortion. This provides significant flexibility in projector placement.
- **Optical Zoom:** The projector features a bold optical zoom (1.2:1-1.5:1) to adjust the image size without loss of clarity. This allows you to fill your screen or wall from various throw distances while maintaining a crisp, lossless image.



Image: Illustration demonstrating the optical zoom feature, showing how the projector can adjust image size (e.g., 120-inch to 150-inch) from a fixed distance without moving the projector.



Image: A guide showing recommended throw distances for various screen sizes (80-inch to 300-inch) and optimal lighting conditions for each size.

## 2. Power Connection

Connect the power adapter to the projector's power input port, then plug the other end into a power outlet.

# 3. Initial Power On and ISA 5.0

Press the power button on the projector or remote control to turn it on. The XGIMI Horizon 20 Max features Intelligent Screen Adaptation (ISA) 5.0, which automatically adjusts the image for optimal viewing.

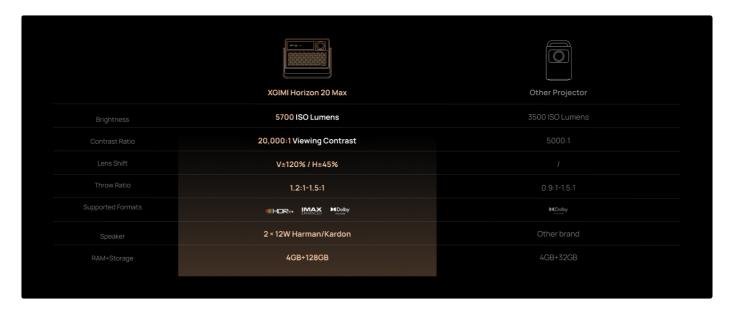


Image: Visual representation of ISA 5.0 features including uninterrupted auto keystone correction, auto focus, intelligent obstacle avoidance, intelligent screen alignment, wall color adaptation, and intelligent eye protection.

- Uninterrupted Auto Keystone Correction: Automatically corrects trapezoidal distortion to ensure a rectangular image.
- Auto Focus: Ensures the image is sharp and clear without manual adjustment.
- Intelligent Obstacle Avoidance: Detects and avoids obstacles in the projection path.
- Intelligent Screen Alignment: Automatically aligns the image to fit your screen.
- Wall Color Adaptation: Adjusts colors based on the wall color for accurate display.
- Intelligent Eye Protection: Reduces blue light and dims the projection when objects are too close to the lens.

# 4. Connecting External Devices

Use the appropriate ports on the rear of the projector to connect your devices:

- HDMI: Connect gaming consoles, laptops, or streaming devices.
- USB: Connect USB drives for media playback.
- Bluetooth: Pair with external Bluetooth speakers or headphones.
- Wi-Fi: Connect to your home network for internet access and streaming.

# **OPERATING INSTRUCTIONS**

# 1. Remote Control

The included remote control allows you to navigate the projector's interface, adjust settings, and control playback. Ensure batteries are correctly inserted.

# 2. Google TV Interface

The Horizon 20 Max comes with Google TV built-in, providing access to a wide range of streaming applications and content.



Image: Screenshot of the Google TV home screen displaying various streaming apps like YouTube, Hulu, Netflix, and Prime Video, indicating integrated access to entertainment.

- Navigation: Use the directional pad and select button on the remote to browse content and settings.
- App Access: Download and stream from popular services like Netflix, YouTube, Hulu, and Prime Video directly from the projector.
- Google Assistant: Use voice commands via the remote for hands-free control and content search.

# 3. Picture Settings

Adjust picture settings to optimize your viewing experience based on content and environment.



Image: Display of key visual performance metrics: 20,000:1 Viewing Contrast, 110% BT.2020 Color Coverage, 5700 ISO Lumens, and Delta E < 0.8 Color Accuracy.

- **Brightness:** The projector delivers 5700 ISO Lumens for clear viewing even in daylight conditions. Adjust as needed for darker environments.
- Contrast: Experience deep blacks and bright whites with a 20,000:1 viewing contrast ratio.
- Color Accuracy: The X-Master RGB triple laser engine provides 110% BT.2020 color coverage and a Delta E < 0.8 color accuracy for vivid and precise images.

# 4. Audio Settings

The Horizon 20 Max features integrated Harman Kardon speakers for immersive audio.

Image: Diagram showing the internal structure of the Harman Kardon speakers, highlighting features like 24W high power output, 360° surround sound, 55Hz deep bass extension, and 630cc acoustic chamber volume.

- Built-in Speakers: Enjoy rich audio with 24W Harman Kardon speakers, offering 360° surround sound and deep bass.
- External Audio: Connect external sound systems via Optical Audio Out or the 3.5mm audio jack for enhanced sound.

# 5. Advanced Visual Features

The projector supports various advanced visual technologies for an enhanced cinematic experience.

• IMAX Enhanced: Provides a larger screen experience (26% larger) with IMAX-optimized content.

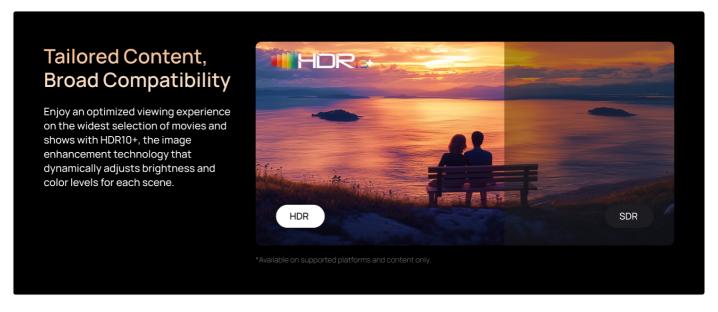


Image: A scene from a movie with an IMAX Enhanced logo, illustrating the expanded screen size and immersive experience.

• **Dolby Vision:** Offers automatic frame-by-frame image optimization, bringing out every nuance of color, contrast, and brightness in supported content.



Image: A vibrant outdoor scene with a Dolby Vision logo, demonstrating enhanced color and detail.

• HDR10+: Provides dynamic adjustment of brightness and color levels for each scene, optimizing the viewing experience for a wide selection of movies and shows.

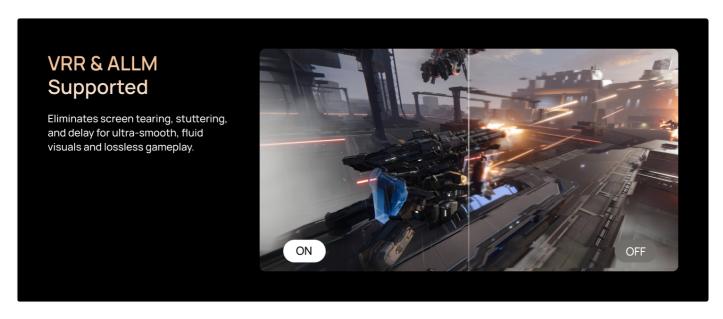


Image: A split-screen comparison showing the difference between standard HDR and HDR10+, with the latter displaying richer colors and better contrast in a sunset landscape.

# 6. Gaming Features

The Horizon 20 Max is optimized for gaming with features designed for responsiveness and immersion.

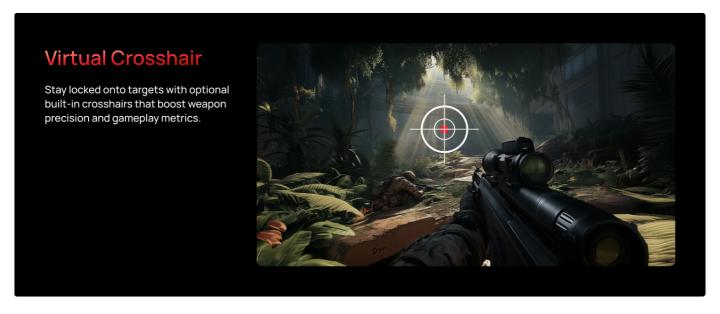


Image: A gaming scene from 'Assassin's Creed Shadows' projected onto a large screen, highlighting the 1ms input lag for responsive gameplay.

- 1ms Input Lag: Experience ultra-fast response times for competitive gaming.
- VRR & ALLM: Variable Refresh Rate (VRR) and Auto Low Latency Mode (ALLM) eliminate screen tearing, stuttering, and delay for smooth visuals.



Image: A split-screen comparison showing a gaming scene with VRR/ALLM 'ON' (smooth) versus 'OFF' (with screen tearing and stuttering), demonstrating the benefit of these features.

• Black Equalizer: Automatically enhances dark scene details to reveal hidden elements in shadows, improving situational awareness in games.

Display		System		Electrical	
Product Classification Light Source Display Technique Display Chip 3D Supported Formats Latency	Home Projector RGB Triple Laser DLP 0.47* DMD Yes HDR10+, IMAX Enhanced, Dolby Vision (Game Mode, VRR on, AK off) Ims at 1080P24.0Hz	CPU GPU RAM Storage System Fast Boot Mirroring Display	MT9679 Mali-C52 4CB 128CB [9] Coogle TV YES(STR) DLNA/GoogleCast	Noise Level Power Dissipation Power Battery Capacity Battery Playtime	≤28dB@Im[12] ≤280W AC100-240V,50/60Hz / /
	2.2ms at 1080P@120Hz 3ms at 4K @60Hz	Audio		Measurements	
MEMC Brightness Standard Resolution Compatible Resolution Color Gamut Contrast Ratio Lens Eye Protection	Yes 5700 ISO Lumens [1] 3840 x 2160 pixels / BT.2020 110% [2] 20.0001 (IBLE On) High Light Transmission Coated Lens Yes [3]	Speaker DTS Virtual:X DTS+HD Dolby Audio Dolby Digital (DD) Dolby Digital Plus (DD+)	2×12W Harman/Kardon Yes Yes Yes Yes	Product Size (HxWxD) Product Weight Package Size (HxWxD) Package Weight	249 * 298 * 190 mm / 9.8 * 11.7 * 7.5 in [13] 5.4 kg / 11.9 lbs [14] 424 * 369 * 251 mm / 16.7 * 14.5 * 9.9 in [13] 7.4 kg / 16.3 lbs [14]
Setup		Connectivity		What's in the box	
Auto Keystone Correction Focus Intelligent Screen Alignment Intelligent Obstacle Avoidance Lens Shift Optical Zoom Digital Zoom Throw Ratio Aspect Ratio Projection Method Image Size	Uninterrupted Auto Keystone [4] Auto Focus Yes [5] Yes [6] V=120%/H=45% [7] Yes Yes 12-15:1 16:9 Front, Rear, Front Ceiling, Rear Ceiling 40"-300" [8]	WIFI Bluetooth Input Ports Output Ports	WiFi 6 Dual-band 2-4/5GHz, 80211a/b/g/n/ac/ax [10] Bluetooth 5.2 DC *1 HDMI -2 (HDMI supports eARC) USB 3.0 -1,USB 2.0 *1 [11] Optical *1 Audio *1	Power Plug Manual Warranty Card Bluetooth Remote Control	x1 x1 x1 Backlight Bluetooth Remote Control x1, AAA Batteries x2

Image: A split-screen comparison of a dark gaming scene with 'Black Equalizer ON' (revealing more detail in shadows) versus 'OFF' (darker, less detail).

• Virtual Crosshair: Optional built-in crosshairs to boost weapon precision and gameplay metrics.

#### Notes:

- 1. Brightness (light output) will vary depending on usage conditions. White light output is measured according to ISO 21118. The nominal value represents the average value of mass-produced units and is tested under ideal laboratory conditions in Performance Mode/High Power Mode. In Performance Mode, the highest brightness is achieved, which may result in some color differences compared to the default viewing mode. Additionally, the fan speed may increase, potentially causing noise. This is normal. For regular viewing, it is recommended to use other brightness modes.
- 2. Based on the data from XGIMI Laboratory tests, this product's color gamut area ratio is 110% under the BT.2020 standard.
- 3. The Eye Protection function can be enabled or disabled in the system settings.
- 4. To ensure accurate calibration, the side throw angle should not exceed 40° (degrees). The display quality may vary based on product usage habits and environmental conditions. When using Uninterrupted Auto Keystone Correction, you need to disable the "Intelligent Screen Alignment" and "Intelligent Obstacle Avoidance" functions in the system settings; due to the complexity of the environment, Uninterrupted Auto Keystone Correction may fail, and manual correction may be required.
- 5. For the projection image to automatically fill the entire screen, it must cover the entire border of the screen. To ensure a comfortable aspect ratio, non-16:9 screens may not be fully covered. It is recommended to use a screen with a black border around the edges to improve recognition accuracy.
- 6. Due to environmental complexities, Intelligent Obstacle Avoidance does not guarantee the avoidance of all obstacles.
- 7. The vertical lens shift range is ±120%. The default lens position is set at 100%, allowing for an additional 20% upward shift and the full 120% downward shift. Lens shift function is mutually exclusive with keystone. When lens shift is activated, all intelligent image adjustment features—including Auto Keystone, Auto Focus, Wall Color Adaptation, and Eye Protection—will be disabled.
- 8. For the best viewing experience, we recommend using a projection size of 60-150 inches. Exceeding this range may affect the quality of your projected content. The display quality may vary based on product usage habits and environmental conditions.

Image: A first-person shooter game scene with a virtual crosshair displayed in the center of the screen, indicating enhanced aiming assistance.

# **MAINTENANCE**

# 1. Cleaning the Lens

Use a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the lens to remove dust or smudges. Avoid using abrasive materials or harsh chemicals.

# 2. Cleaning the Exterior

Wipe the projector's exterior with a soft, dry cloth. For stubborn marks, slightly dampen the cloth with water. Ensure the projector is powered off and unplugged before cleaning.

#### 3. Ventilation

Regularly check that the ventilation openings are clear of dust and obstructions. Proper airflow is essential to prevent overheating and ensure the longevity of the projector.

# **TROUBLESHOOTING**

Problem	Possible Cause	Solution
No image displayed	Power cable disconnected; Input source not selected; Lens cap on; Projector in standby mode.	Check power connection; Select correct HDMI/input source; Remove lens cap; Press power button to wake.
Image is blurry	Out of focus; ISA 5.0 issue.	Allow ISA 5.0 to auto-focus; Manually adjust focus if needed in settings.
No sound	Volume too low; Muted; External audio device not connected or selected.	Increase volume; Unmute; Check external audio connections and settings.
Remote control not working	Batteries low/dead; Obstruction between remote and projector; Remote not paired.	Replace batteries; Remove obstructions; Re-pair remote control (refer to specific pairing instructions in the full manual).

Problem	Possible Cause	Solution
Projector overheating	Blocked ventilation; Prolonged use in high ambient temperature.	Ensure vents are clear; Operate in a well-ventilated area; Allow projector to cool down.

# **SPECIFICATIONS**

Detailed technical specifications for the XGIMI Horizon 20 Max projector.

#### Notes:

- \* Actual product features and specifications (including appearance, color, and size) and actual display aspects (including backgrounds, interface, and icons) may vary by country. Please consult the point of sale for further information.
- \* All performance data in the preceding pages are theoretical values obtained by XGIMI internal laboratories through tests conducted under particular conditions. Refer to the aforementioned product details for more information on the specific testing conditions. Actual performance may vary based on individual product configurations, software versions, application conditions, and environmental factors. All data is subject to actual usage.
- \* XGIMI makes every effort at the time of publication to ensure the accuracy of the product information it provides. Due to subsequent changes involving product batches, production, and supply factors, it may be necessary for XGIMI to make changes and adjustments to text and images so that they match the performance, specifications, indexes, and components of the actual product. Product information is subject to such changes and adjustments without potice.
- \* Operating temperature: 32°F to 104°F
- \* All parameters listed on this page are measured in an XGIMI internal test environment for mass production. User experiences may vary in different settings, usage conditions, software versions, etc. Please check the official XGIMI website for detailed test standards and data.
- \* The product includes a printed manual. However, the electronic manual will be updated on the XGIMI website. If there is any discrepancy or conflict between the printed and the electronic manual, please refer to the latest electronic manual on the official website.
- \* We advocate for environmental sustainability and paper conservation. For instructions in various languages, please scan the QR code of the printed manual or download the electronic version. If you have any questions during use, please contact us via service-usa@xgimi.com.

Image: A comprehensive table detailing the display, system, audio, connectivity, setup, electrical, and measurement specifications of the XGIMI Horizon 20 Max.

General		
Brand	XGIMI	
Model	Horizon 20 Max	
Item Weight	19.69 pounds	
Package Dimensions	17.52 x 15 x 10.35 inches	
Recommended Uses	Business, Education, Gaming, Home Cinema	
Display		
Display Resolution	3840 x 2160 (4K UHD)	
Light Source	RGB Triple Laser	
Brightness	5700 ISO Lumens	
Contrast Ratio	20,000:1 (Viewing Contrast)	
Color Gamut	BT.2020 (110%)	
Supported Formats	HDR10+, IMAX Enhanced, Dolby Vision	

General		
System & Performance		
Operating System	Google TV	
CPU	MT9679	
RAM	4GB	
Storage	128GB	
Input Lag (Game Mode)	1ms (VRR on, AK off)	
Refresh Rate	240Hz (1080P), 60Hz (4K)	
Audio		
Speakers	2 x 12W Harman Kardon	
Audio Technologies	DTS Virtual:X, Dolby Audio, Dolby Digital (DD), Dolby Digital Plus (DD+)	
Connectivity		
Wi-Fi	Wi-Fi 6 Dual-band (2.4/5GHz, 802.11a/b/g/n/ac/ax)	
Bluetooth	Bluetooth 5.2	
Input Ports	DC x 1, HDMI x 2 (HDMI1 supports eARC), USB 3.0 x 1, USB 2.0 x 1	
Output Ports	Optical x 1, Audio x 1	
Setup Features		
Auto Keystone Correction	Uninterrupted Auto Keystone	
Auto Focus	Yes	
Intelligent Screen Alignment	Yes	
Intelligent Obstacle Avoidance	Yes	
Lens Shift	V±120% / H±45%	
Optical Zoom	1.2:1-1.5:1	
Throw Ratio	1.2:1-1.5:1	
Image Size	40" - 300"	

# **WARRANTY INFORMATION**

The XGIMI Horizon 20 Max projector comes with a **2-Year Warranty**. Please refer to the included Warranty Card for detailed terms and conditions. Retain your proof of purchase for warranty claims.

# **CUSTOMER SUPPORT**

For technical assistance, troubleshooting, or warranty inquiries, please contact XGIMI customer support.



Image: A graphic displaying the XGIMI customer support email address.

- Email Support: service-usa@xgimi.com
- Online Resources: Visit the official XGIMI website for FAQs, updated manuals, and additional support resources.

## Related Documents - Horizon 20 Max

1-DOCOS SMOR	XGIMI HORIZON S Max User Guide Comprehensive user guide for the XGIMI HORIZON S Max projector, covering setup, remote control functions, settings, and important safety information. Available in multiple languages.
I GREDHIND	XGIMI HORIZON S Max Projector User Guide - Setup and Features Comprehensive user guide for the XGIMI HORIZON S Max projector, covering setup, remote control, key features like Google Assistant and Google Cast, and important safety information.
>GPM-Horson Ro. Alesson	XGIMI Horizon Pro / Horizon User Guide Comprehensive user guide for the XGIMI Horizon Pro and Horizon projectors, covering setup, features like Google Assistant and Chromecast, settings, important precautions, and regulatory information.
HORIZON Ultra  User Guile  Bondumer duch  Charles Hollander  Charles H	XGIMI HORIZON Ultra User Guide: Setup, Features, and Operation Comprehensive user guide for the XGIMI HORIZON Ultra projector, covering setup, remote control functions, intelligent screen alignment, settings, system upgrades, and important safety information. Discover how to enhance your home entertainment experience.
ХСІМІ	

AAAZ  WHITE  WHI	XGIMI AURA 2 User Manual: Setup, Features, and Operation Comprehensive user manual for the XGIMI AURA 2 projector, covering setup, features, Android TV integration, remote control operation, and important safety precautions.
AAAA S	XGIMI AURA 2 User Manual User manual for the XGIMI AURA 2 projector, covering setup, operation, features, and safety information.

Documents - XGIMI - Horizon 20 Max

#### :/GIM

HORIZON 20 HORIZON 20 Pro HORIZON 20 Max

Manual de utilizare

 Vă rugăm să citiți cu atenție acest manual înainte de a utiliza acest produs.

Vă muljumim că ați cădațiteat și utilizați produsele XGIMI. Pentru sigurunța și întereul dimmerceatră, ar terbui să citii ci natenție acest manual mininte de a utiliza produsul. XGIMI nu își asumă nicio responsabilitate pentru ociee rămire a presonnelec, dame materiale asu alte pierderi cauzate de nerespectarea instrucțiumilor sau măsurdior de siguruntă menticome în acest manual.

#### $2. \ \, {\rm Despre} \,\, {\rm acest} \,\, {\rm manual} \,\, {\rm de} \,\, {\rm utilizare}$

Drepturile de autor pentru acest manual de utilizare sunt deținute de XGIMI. Macile comerciale și denumirile menționate în acest manual de utilizare sunt deținut de proprietarii lor respectivi. Conținutul acestui manual de utilizare poate difer

- Model: XRI3A / XRI4A / XRI6A
- XGIMI Technology își rezervă dreptul de a interpreta și modifica acest manua de utilizare.
- Măsuri importante de siguranță
- Nu direcționați obiectivul către ochi, deoarece lumina puternică a proiector relor poate provoca vătămări ale ochilor.
- Nu nocoji intrarco, regresa ventasiorumi dispozitriumi, pentru a prevent oeteriorarea componentelor electronico interne din asuzu dispirii insuficiente a căldurii. \* Nu stergeți obiectivul direct cu instrumente de curățat, cum ar fi hiatia sau ciupa, pentru a preveni deteriorarea obievivului; doar sullați praful de ne sumedata obiectivului cu ner comurinat.

# XGIMI HORIZON 20 Series User Manual - Complete Guide

Detailed instructions, safety information, port details, and remote control guide for XGIMI HORIZON 20, HORIZON 20 Pro, and HORIZON 20 Max projectors. lang:it score:31 filesize: 218.06 K page\_count: 5 document date: 2025-10-06



#### XGIMI Horizon Series Projector User Guide - Models XR13A, XR14A, XR16A

User guide for XGIMI Horizon series projectors (Models: XR13A, XR14A, XR16A), including Horizon Pro and Horizon 20 Max. Covers essential safety precautions, device operation, rear view port descriptions, remote control functions, pairing instructions, and system upgrade procedures.

lang:de score:29 filesize: 3.05 M page\_count: 2 document date: 2025-08-27

# HORIZON 20 HORIZON 20 HORIZON 20 Pro HORIZON 20 Max Positivatefula priruela 1. Pred posizitím tohto produktu si prosím pozorne preditajte titlo posiživatefula priruela 1. Pred posizitím tohto produktu si prosím pozorne preditajte titlo posiživatefula priruela. Dadague, že se a nizágila positiva positiva prima Pre stale bepetusé a v siejas apriambe positivati se predita positiva prima positiva prima positiva prima positiva prima positiva positiva prima positiva prima positiva prima positiva prima positiva positi positiva positiva positi positi positiva positi positiva positi positiva positi positiva positi positiva positi posi

# XGIMI HORIZON 20 Séria Používateľská Príručka

Používateľská príručka pre projektory XGIMI HORIZON 20, HORIZON 20 Pro a HORIZON 20 Max, ktorá pokrýva nastavenie, bezpečnosť, funkcie a prevádzku. lang:hr score:20 filesize: 205.3 K page\_count: 5 document date: 2025-10-06

#### XGIMI

HORIZON 20 HORIZON 20 Pro HORIZON 20 Max

# A termék használata előtt kérjük, figyelmesen olvassa el ezt a felhasználói kézikönyvet.

felhasználói közikönyv szerzői jogai az XGIMI m szerepkő védjégyek és neveik a megfekelő talaj lhasználói lótzikönyv tartalma eltérhet a terméktő • Modell: XRISA / XRI4A / XRI6A

- 3. Fontos biztonsági intézkedések

## XGIMI HORIZON 20 Sorozat Felhasználói Kézikönyv

Az XGIMI HORIZON 20, HORIZON 20 Pro és HORIZON 20 Max projektorok részletes felhasználói kézikönyve, amely lefedi a telepítést, biztonsági óvintézkedéseket, portok leírását, távirányító használatát és alapvető működési utasításokat.

lang:no score:15 filesize: 209.15 K page\_count: 5 document date: 2025-10-06



#### HORIZON 20 Max M

<u>.</u>	•
RCB Triple Laser	Lens Shift V=12016/H=4516
F700 100	45.00
5700 ISO	ΔE<0.8
Ultra Bright	Expectional

10000:1

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# XGIMI HORIZON 20 Max 4K Projector: Pinnacle of Home Projection

Discover the XGIMI HORIZON 20 Max 4K projector, featuring RGB Triple Laser, 5700 ISO brightness, 10000:1 contrast, and Google TV. Explore detailed specifications for this home cinema projector.

lang:no score:12 filesize: 343.72 K page\_count: 2 document date: 2025-10-13