BenQ W2000+ Reviewer's Guide

Big Screen Home Entertainment Has Never Been Better

W2000+ Product Features

- Accurate color to achieve Rec .709 with optimized 6x RGBRGB color wheel
- Game mode improvement (latency less than 16ms)
- Built-in 2X 10W speakers
- Auto L/R speaker switch
- Short Throw 100 inch at 2.5 m
- Lens Shift
- 2D Keystone Correction

Highlights of W2000+

W2000+ is the premium version of the acclaimed W2000 to fulfill the wishes of consumers who are movie enthusiasts as well as gamers, with uncompromised performance even with constraints of a small room. Succeeding "The best home projector W2000", W2000+ also brings the theater-like image and audio experience. W2000+ provides accurate color by achieving 100% Rec.709 coverage, along with high contrast and class-leading high fill factor. The sound is simply amazing with 20-watt speakers housed in resonant sound chambers, the added BenQ Audio Enhancer and breakthrough algorithms used by top movie studios give your audio the Hollywood quality you deserve.

With a 50% lower input lag than W2000, gamers enjoy a seamless control experience as movements on the screen respond instantly to the commands. Big Zoom and big throw ratio provide you with a 100-inch screen at distance of a mere 2.5 meters, while 2D keystone and Vertical Lens Shift free up available space with flexible placement options. Another upgrade of W2000+ is audio L/R speaker switch. It detects projection position automatically, and switches the sound channels to the appropriate side.

Design Concept

Starting with consumers' insights, we found that users of home projector enjoy a diverse gamut of entertainment, such as watching movies, sports, and playing video games with family members in the living room.

Last year, BenQ's home entertainment projector W2000 won the EISA Award* 2016-2017 as the best home projector. It has taken the home cinema experience to a new level thanks to BenQ technology that achieves the Rec. 709 standard for high-definition color reproduction.

After W2000 built up its position on the market, we found there were still unmet demands. We found that there was an emerging group of consumers who like to play video games and watch movies and need a home projector with performance qualities to satisfy their needs for both game-play and cinematic movie enjoyment.

To fulfill the requirements of the potential target audiences, we designed W2000+ with the optimized performance for gamers and movie-buffs alike. We also changed the color of its appearance to "Black" to better match the accompanying devices in our consumers' homes, such as PS4, Xbox and speakers. We are upping our game in 2017 with the W2000+ so that

our consumers can up their game as well.

*EISA stands for the European Imaging and Sound Association. EISA is the unique association of nearly 50 special interest magazines in Hi-Fi, Home Theatre Display & Video, Photography, In-Car Electronics, Home Theatre Audio and Mobile Devices, from 23 European countries.

Feature Details

Rec.709 Theater-like Image Quality

Conforming to Rec.709 International HDTV standards, W2000+ will reproduce authentic cinematic colors as intended by the film director.

Theater-like Audio Experience with 20W Speakers

The combination of 20-watt speakers housed in resonant sound chambers plus BenQ Audio Enhancer and breakthrough algorithms used by Hollywood studios, produces an unparalleled audio experience with booming bass and treble for serious stereo sound.

Best Gaming Experience with Low Input Lag

When activating the Game Mode, W2000+ offers a 16.67ms low input lag which ensures a smoother and swifter response. That means you can enjoy an immersive gaming experience on a larger than life screen.

Hassle Free Installation

W2000+ detects projection position automatically, and switches the sound channels to the appropriate side. With 2D keystone and Vertical Lens Shift, users can free up available space with flexible placement options.

Stylish Appearance

With a harmonious combination of black with luxurious gold dust and elegant curves, W2000+ delivers modern aesthetics and complements today's lifestyles. Black also fits neatly in AV rooms by matching most game consoles, such as PS4, XBOX.

Wireless One-Stop Home Entertainment   (*Optional)

FHD Wireless Kit stream uncompressed 1080p content, even in 3D! Wireless zero latency performance gives you smooth video and gaming with virtually no lag.

W2000+ Technical Specifications

Projection System	DLP
Native Resolution	1080p (1920 x 1080)
Brightness (ANSI Lumens)	2200 ANSI Lumens
Contrast Ratio	15000:1
Display Color	1.07 Billion Colors
Lens	F = 2.59 - 2.87, f = 16.88 - 21.88 mm
Aspect Ratio	Native 16:9 (5 aspect ratio selectable)
Throw Ratio	1.15 - 1.5 (100" @ 2.5m)
Zoom Ratio	1.3:1
Lamp Mode (Normal/Economic)*	3500 / 5000 / 6000 hours
Keystone Adjustment	Auto Vertical & Manual Horizontal ± 30 degrees
Projection Offset**	105% ± 2.5%
Lens Shift	Vertical : +10%
Interface	PC (D-Sub) x 1 Composite Video In x 1 Component Video In x 1 HDMI x 3 MHL x 2 (Share with HDMI-2 & HDMI-3) Audio In x 1 Audio L/R In x 1 Audio Out x 1 Chamber Speaker 10W x 2 USB (Type A) x 1 (5V / 1.5A power supply) USB (Type B) x 1 (Inside projector for WDP02 power supply) USB (Type mini B) x 1 (Service)

	RS232 x 1 DC 12V Trigger x 1 IR Receiver x 2 (Front & Top)
Audible Noise **(Normal/Economic Mode)**	29 / 27 dBA
Color Wheel Segment	6-Segment (RGBRGB)
Color Wheel Speed	6x (50Hz), 4x (60Hz)

Note to Reviewer

Here are some key features we recommend reviewer to pay attention to:

➢ Auto L/R speaker switch: Try to position on top and check the audio performance, then change to bottom up (or ceiling mount) and check whether the L/R speaker switch automatically.

➢ Rec.709 : Select the Picture mode to Cinema (Rec.709). Then test the measurements of brightness, color coverage, color ratio and red color ratio.

➢ Game Mode Improvement- Try to play a sport or racing game to experience the low input lag improvement

Check the Features Step by Step

- **Please refer to User Guide**
- **Low Input Lag**

  Prepare: Splitter x1, PS4/Xbox set x1, HDMI Cable x3, TV x1, W2000+ x1.

  Games: FPS, racing or sport games (due to the Internet environment is uncertain,
  we suggest to play games which do not require internet). For example:
  FIFA 16.

  Steps:
  1. Set up Splitter and connect PS4/Xbox, W2000+ and TV together by HDMI cables.
  2. Select the picture to **Game Mode** in W2000+.
  3. Put the game disc into PS4/Xbox.
  4. There are two kinds of low input lag demo: In-time Control & In-time Image.

     In-time Control

     Racing games and Sports games could tell the difference between W2000+ and TV while car speeds up, turns left or right, give command to sport's players.

     In-time Image

     FPS could tell the difference W2000+ and TV while move the sight randomly and change cartridge bags.