

Technical Reference - Q&A for Pioneer UHD playback

- 1. Q: How do I play a 4K BD movie through a Pioneer Ultra HD Blu-ray drive on Z270 Gaming-ITX/ac?
  - A: Requirements:

O/S: Windows 10 Receiver / decoder: Onkyo TX-NR 747 or other receiver supports HDCP 2.2 Playback Software: Power DVD 14 (from Pioneer Ultra HD Blu-ray Drive) http://www.pioneerelectronics.com/PUSA/Computer/Computer+Drives/BDR-211UBK#overview Configuration: M/B: Z270 Gaming-ITX/ac BIOS: P1.20

Setup:

1. When the system boots up, press "F2" to enter UEFI setup screen.

Go to **Advanced** > **CPU Configuration** and enable "Software Guard Extensions" in BIOS setting. Press "F10" to save and exit the BIOS setup screen.

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Advanced\CPU Configuration				😤 Hy Fav	orite	Easy Mode (F6)
Processor Cores						11 日報
I Intel Hyper Threading Technolog	ay .		Enabled			
Active Processor Cores				Descr	iption	
CPU C States Support			Enabled	Enabled	1/Disabled/So	ftware
Enhanced Halt State(C1E)			Auto	Control	11ed Software	Guard
CPU C3 State Support			Auto	Extensi	ions (SGO	
CPU C6 State Support			Auto			
CPU C7 State Support			Auto			
Package C State Support			Disabled			
CFG Lock			Disabled			
CPU Thermal Throttling			Enabled			
Intel Virtualization Technolog			Enabled			
Hardware Prefetcher			Enabled	Get det	tails via OR	
Adjacent Cache Line Prefetch			Enabled	code		100
Software Guard Extensions (SGX)			Enabled			0.202.4223
Software Guard Extensions (SGX)			Enabled			

2. Boot into O/S. Install all drivers for the M/B.

Install ME driver (v11.6.0.1126\_SW\_MSI). Download the driver from the following link: http://www.asrock.com/MB/Intel/Fatal1ty%20Z270%20Gaming-ITXac/index.asp#osW1064

3. Go to Control Panel > Hardware and sound > Sound and select "HDMI output".



4. Enable the "UHD color" on the TV.

Please run "Ultra Blu-ray advisor" to see if all "Pass".

## Pioneer UHDBD Advisor:

http://pioneer.jp/device\_e/product-e/ibs/eula.php

Minimum Requirements	Result
Windows 10 or above	
Intel® SGX Technology (CPU/Main Board)	
6 GB System Memory	
HEVC-10bit/AVC Codec (GPU)	
HDCP 2.2 (GPU/Display)	
Advanced Protected Audio/Video Path (GPU)	
UHD-BD Optical Disc Drive	
Windows Media Player ** 9 or above	
Recommended Requirements (Optional)	Result
HDR - High Dynamic Range (GPU/Display)	

- 5. Put a 4K movie BD disc into the Pioneer Ultra HD Blu-ray drive.
- 6. Click "Power DVD".
- 7. Then you can play the content.



## 2. Q: How do I play a 4K BD movie through a Pioneer Ultra HD Blu-ray drive on Z170 Gaming-ITX/ac?

A: Requirements:

O/S: Windows 10 Receiver / decoder: Onkyo TX-NR 747 or other receiver supports HDCP 2.2 Playback Software: Power DVD 14 (from Pioneer Ultra HD Blu-ray Drive) <u>http://www.pioneerelectronics.com/PUSA/Computer/Computer+Drives/BDR-211UBK#overview</u> Configuration: M/B: Z170 Gaming-ITX/AC BIOS: P7.10 CPU: 7<sup>th</sup> generation Intel<sup>®</sup> Core<sup>™</sup> i7/i5 processor for Desktop PC (Kaby Lake-S) Setup: 1. Please connect the HDMI cable to HDMI2 port of Z170 Gaming-ITX/ac.



2. When the system boots up, press "F2" to enter UEFI setup screen.

Go to **Advanced** > **CPU Configuration** and enable "Software Guard Extensions" in BIOS setting. Press "F10" to save and exit the BIOS setup screen.



- Boot into O/S. Install all drivers for the M/B.
  Install ME driver(v11.6.0.1126\_SW\_MSI). Download the driver from the following link: <u>http://www.asrock.com/MB/Intel/Fatal1ty%20Z270%20Gaming-ITXac/index.asp#osW1064</u>
- 4. Please enter Control Panel > Hardware and sound > Sound.

Select "HDMI output"



5. Enable the "UHD color" on the TV.

Please run "Ultra Blu-ray advisor" to see if all "Pass".

Pioneer UHDBD Advisor:

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Minimum Requirements	Result
Windows 10 or above	
Intel® SGX Technology (CPU/Main Board)	
6 GB System Memory	
HEVC-10bit/AVC Codec (GPU)	
HDCP 2.2 (GPU/Display)	
Advanced Protected Audio/Video Path (GPU)	
UHD-BD Optical Disc Drive	
Windows Media Player ™ 9 or above	
Recommended Requirements (Optional)	Result
HDR - High Dynamic Range (GPU/Display)	

- Due to the fact that HDR is not supported by Intel 100 series chipset, please disable "UHD color" from TV.
  Put a 4K movie BD disc into the Pioneer Ultra HD Blu-ray drive.
- 7. Click " Power DVD".
- 8. Then you can play the content.



- 3. Q: Why does Beebox Series platform show "!" in device manager when installing Realtek Wireless LAN driver under Windows 10 RS1?
  - A: If using Windows 10 RS1 and installing Realtek driver, it may get "!" in device manager.
    Please refer below link to download Realtek Wireless Lan driver ver:2023.48.0801.2016 for Windows 10 RS1 or remove Realtek LAN driver to use inbox LAN driver directly.

Link: http://www.asrock.com/nettop/overview.asp?Model=Beebox%20Series&cat=Download&os=Win1064

## 4. Q: How do I change AMD Wraith RGB Cooler color on AM4 series platform?

A: If you install AMD Wraith RGB lighting cooler and would like to customize the lighting, please connect CPU Cooler cable to AMD Fan LED Header or RGB LED Header as below on the AM4 motherboards and download ASRock RGB LED ver:1.0.12 utility or later version to adjust the lighting effects.

