ASRock Technical Reference - Q&A

1. Q: How to enable Wake on LAN function under S5 status in Windows 10

A: Please follow below steps to meet your application

Step1: Un-check fast startup option in Control Panel.

System Settings		-	×
← → → ↑ 🗃 > Control Panel > Hardware and Sound > Power Options > System Settings	~ Ō	Search Control Panel	Q
Define power buttons and turn on password protection. Choose the power settings that you want for your computer. The changes you make to the settings on this page apply to all of your power plans. Power and sleep button settings Image: apply the all of your power plans. Image: apply			
Save changes Cancel			

Step2: Unzip EnableWOLInFastStartup file and then right-click Run as administrator WakeOnFastStartup.bat to install it.

File Home	Share	View	Application T Manage	Tools	EnableWOLInFastStartup						- 0	× ~ (
← → ~ ↑	> Ena	bleWOLInFa	astStartup							ٽ ~	Search EnableWOLInFastStart	t P
 A Quick access Desktop Downloads Documents Pictures EnableWOL Music Videos OneDrive This PC UBUNTU 16_ Network 	* Ena	bleWOLInFa Name Panabl Read	eWOLInFastSt: Me-WakeOnFastSt: cOnFastStatum	artup sstStartu Open Edit Print Run as Scan w Share Give ac Restore Send to Cut Copy Create Delete Renam	Date mod 11/7/2014 up 10/30/201 10/30/201 administrator ith Windows Defender ccess to e previous versions o shortcut ne	ified 1:59 AM 4 6:09 AM 4 6:09 AM 4 5:34 AM >	Type PDF File 1 Text Document 1 Windows Batch File	Size	72 KB 1 KB 10 KB	0 v	Search EnableWOLInFastStart	Α
			-	Propert	ties							
3 items 1 item s	elected 9	33 KB		Propen	ties]					

Link: https://www.asrock.com/support/download/EnableWOLInFastStartup.zip

Step3: Check fast startup option in Control Panel.

law System Settings		2 <u>—</u> 2	×
← → ~ ↑ 🗃 > Control Panel > Hardware and Sound > Power Options > System Settings 🗸 < č	Search Co	ntrol Panel	Q
Define power buttons and turn on password protection			
Choose the power settings that you want for your computer. The changes you make to the settings on this page apply to all of your power plans.			
Power and sleep button settings			
When I press the power button: Shut down ~			
When I press the sleep button:			
Shutdown settings			
Turn on fast startup (recommended)			
Hibernate			
Show in Power menu.			
✓ Lock			
snow in account picture menu.			
Save changes Cancel			

After that, Wake on LAN is enabled in S5 status.

2. Q: How do I adjust the shared memory while using Raven Ridge CPU on AM4 platform?

A: Please adjust the "UMA Frame buffer Size" under Advanced\North Bridge Configuration:



If you don't see "UMA Frame buffer Size" under North Bridge Configuration, please follow the steps below to find it and adjust the OC settings.

- 1. Please press "F2" or "Del" during POST to enter BIOS setup
- 2. Refer to the following path to adjust the OC setting.

- a. Advanced\AMD CBS\NBIO Common Options\GFX Config IGC :Forces
- b. Advanced\AMD CBS\NBIO Common Options\UMA Mode : UMA_Spec
- c. Advanced\AMD CBS\NBIO Common Options\UMA Frame Buffer Size: Choose a prefer size



d. OC Tweaker\OC Mode Change Switch\AMD CBS Setting

	/ISRe	dk UEFI		
III Kain 🔥 OC Tweaker 🛹 Advanced	*1001	CH/W Monitor	😋 Security 🤄 😋 Boot 👘 🛃 Ex	16
CPU Configuration			i	
DC Mode Change Switch		AMD CBS Setting		-
SMT Mode		Enabled	Description	
and service and service and			OC Mode Change Switch	
DRAM Timing Configuration	OC Mode C	hange Switch 🛛 🗙		
XMP 2.0 Profile 1: DDR4-2666 16-17-17-36 1.20V	ASRock Settin	9.5		
AM4 Advance Boot Training	AMD CBS Sett1	ng	132	
Voltage Configuration			1999	
DRAM Voltage	1.200V	Auto		
1.8 Voltage	1.800V	Auto		
VOOP	1.050V	Auto	Get details via CR code	
User Profile 1: Empty User Profile 2: Empty			Jer - L	Erdent
		Eng	Ned 03/28/2018. 04:22:22	

3. After adjustment, press "F10" to save the configuration.

- **3.** Q: When I use VGA card with onboard graphics AM4 CPU, onboard display adapter driver shows exclamation mark, what should I do?
 - A: If you are using the VGA card and onboard display adapter shows an exclamation mark as the picture below, please follow the steps to remove exclamation mark.



- 1. Please press "F2" or "Del" during POST to enter BIOS setup
- 2. Choose primary video adapter as internal graphics

Path: Advanced\AMD PBS\Primary Video Adapter\Int Graphics (IGD)

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📰 Main 🍈 OC Tweaker 🦟 Advanced	X Tool (CH/W Monitor Se	curity 🛈 Boot 🕕 Exit
Advanced\AMD PBS		
👔 📹 AMD Firmware Version		
I Special Display Features	Disabled	
I Primary Video Adaptor	Int Graphics (IGD)	Description
BIOS PSP Support	Enabled	Select Internal/External Graphics
MITT/WITT Selection	Roth dicable	
LAN Power Enable	Primary Video Adaptor	
PCIe x16 Switch	Int Graphics (IGD)	
Promontory PCIe Switch	Ext Graphics (PEG)	1628
I Unused GPP Clocks Off	Disabled	
🔋 Clear MCA at warm rst	Disabled	
Win7 USB Wake Support	Disabled	
Adjust MEM VDDIO	Disabled	
Adjust APU VDDP	Disabled	
Adjust V1.8	Disabled	Get details via uk code
Adjust VTT MEM	Disabled	allower.
1	English	Sun 02/04/2091. 20:38:07

3. After adjusting above options , press "F10" to save the configuration.

You can try below method as well.

- 1. Please press "F2" or "Del" during POST to enter BIOS setup
- 2. Disable CSM

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Path: Boot/CSM/Disable



3. After adjusting above option, press "F10" to save the configuration.