

# Funai Gaming Monitors FAQ Guide KEY SETTINGS

Version 1.1 • April 16, 2021

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From the Web site, you may also download and refresh this document if it has been updated, as indicated by a change in this date: 4/16/2021.

## **Where to get help**

Funai Gaming Monitor support, product, and licensing information can be obtained as follows.

**Product information** — Documentation, release notes, software updates, and information about Funai products, licensing, and service, are at the Funai America website at:

<https://www.funaiamerica.com>

**Technical support** — Go to <https://www.funaiamerica.com/support>

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## About this Guide

This document provides guidance for key settings in Windows, in GPU software, and on the Monitor itself for optimal performance.

For the most current version of this document, please visit: <https://www.funaiamerica.com/support>

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## Who Should Use It

This document is intended for end users. This guide assumes that you have some knowledge of Windows and your GPU.

# 1 FAQs regarding navigation and selection in the menu

This section addresses FAQs related to the Monitor menu navigation:


## 1.1 How do I enter the monitor menu?

Question	How do I enter the monitor menu?
Answer	Reach under the screen in the center and press the large button to bring up the menu.

## 1.2 How do I navigate the monitor menu?

Question	How do I navigate the monitor menu?
Answer	The large button toggles up/down and left/right. Navigate by toggling accordingly in the direction you wish to move on the menu.

## 1.3 How do I select or enable a setting in the monitor menu?

Question	How do I select or enable a setting in the monitor menu?
Answer	<p>Selections are always made by navigating to the right, not by pushing the button in. So once you are on a setting you will see options for it, for example HDR Mode will have the option for ON or OFF:</p>  <p>To Enable HDR mode you simply move right and then down to highlight “On” and then move right to select that option:</p>





## 2 FAQs regarding the different gaming modes

This section addresses FAQs related to the three gaming modes, HDR, DCR, and MPRT:

### 2.1 What is HDR Mode?

Question	What is HDR mode?
Answer	HDR stands for High Dynamic Range. HDR properly configured offers brighter highlights and a wider range of color detail, for a punchier image overall. However, this mode has the longest latency and may not be ideal for certain games. This is the top setting for picture quality at the cost of the highest latency.

### 2.2 What is DCR Mode?

Question	What is DCR mode?
Answer	DCR mode (dynamic contrast ratio mode) has the ability to make dark scenes even darker by adjusting the intensity of the backlight. In this way, the ratio between the luminosity of the whitest white among all images and the darkest black from all images increases. This mode will deliver an enhanced picture, though not of the quality of HDR mode. The advantage of this mode is that the picture is enhanced, and the latency is less than with HDR mode. This is the middle setting and offers better picture and medium latency

### 2.3 What is MPRT Mode?

Question	What is MPRT mode?
Answer	MPRT stands for Motion Picture Response Time. This setting offers the fastest response time and lowest latency (1ms) and is ideal for games where lower latency matters, such as fast paced FPS games, etc.

## 2.4 How do the modes work/Why some greyed out?

Question	How do the modes work/Why are some greyed out?
Answer	The monitor can only run in one of the modes at a time, so enabling one of the picture enhanced modes will grey out the modes beneath it. The hierarchy is HDR>DCR>MPRT. Thus, if you enable HDR mode, BOTH DCR and MPRT are unavailable. If you enable DCR, MPRT is unavailable.

## 2.5 Why is the picture washed out in DCR or MPRT mode?

Question	Why is the picture washed out in DCR or MPRT mode?
Answer	You likely have HDR enabled on your display settings in Windows. This setting should ONLY be enabled if you plan to use the monitor in HDR mode. See the section below concerning whichever mode you are using (DCR or MPRT).

## 3 FAQs: HDR Mode

This section addresses FAQs related to HDR mode:

### 3.1 What is HDR?

Question	What is HDR?
Answer	HDR stands for High Dynamic Range. HDR properly configured offers brighter highlights and a wider range of color detail, for a punchier image overall

### 3.2 What is required for HDR?

Question	What is required for HDR on this monitor?
Answer	A GPU that supports HDR with a Display Port Connector that is at least version DP 1.4 or an HDMI Connector that is at least version HDMI 2.0.


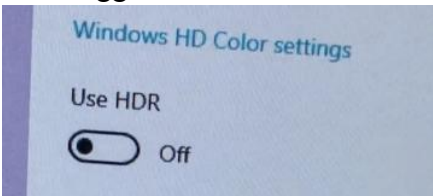
### 3.3 Is HDR best for gaming?

Question	Is HDR mode best for gaming?
Answer	HDR mode will have the longest latency of any of the modes on the monitor. It may or may not be best for your type of gaming. In general, games where latency matter should not be played in HDR mode. Examples of such games are fast paced First Person Shooter (FPS) games.


### 3.4 How do I Enable HDR Mode?

Question	How do I enable HDR mode?
Answer	To fully enable HDR on your monitor, you will need to change the settings for Windows Display and on the Monitor itself. You may also have to adjust some of the settings for your GPU.

### 3.5 What settings in Windows Display do I adjust for HDR?

Question	What settings in Windows Display do I adjust for HDR
Answer	<p>Right click on the desktop and select Display Settings.</p>  <p>Then toggle Use HDR to ON under the Windows HD Color Settings.</p> 

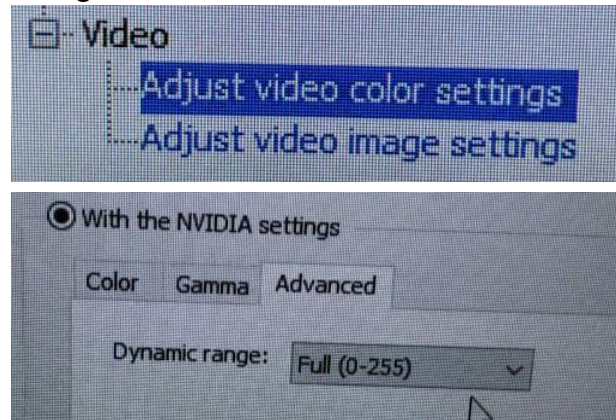
### 3.6 What settings do I adjust on the Monitor for HDR?

Question	What settings do I adjust on the Monitor for HDR?
Answer	<p>Navigate to the Gaming Settings Menu and then select HDR and ON.</p> 

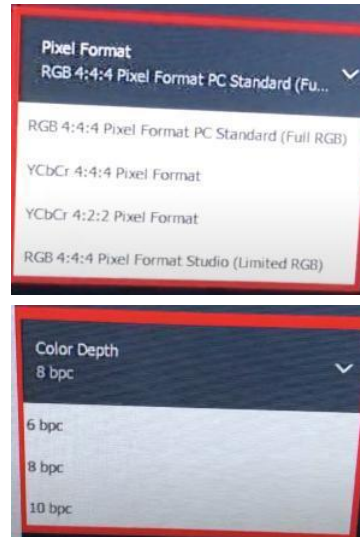
### 3.7 What settings do I adjust on the GPU Software for HDR?

Question	What settings do I adjust on the GPU Software for HDR?
Answer	<p>This will depend on your GPU. You either have an NVIDIA or an AMD GPU. In either case, you want to make certain that the GPU settings are being used and that you have enabled full color range and highest bit color.</p> <p>NVIDIA users should select the setting to “USE NVIDIA” settings under both “video color settings” and “video image settings.” and then</p>

select Full dynamic range (0-255) NOT limited (16-235) under “video color settings”-> Advanced.



AMD users should set Pixel Format to “RGB 4:4:4 Pixel Format PC Standard (Full RGB)” and set Color Depth should to 10 bpc



## 4 FAQs: DCR and MPRT Modes

This section addresses FAQs related to DCR and MPRT modes:

### 4.1 What are DCR and MPRT?

Question	What are DCR and MPRT Modes?
Answer	<p>Both are modes that offer lower latency than HDR mode.</p> <p>DCR mode (dynamic contrast ratio mode) has the ability to make dark scenes even darker by adjusting the intensity of the backlight. In this way, the ratio between the luminosity of the whitest white among all images and the darkest black from all images increases. This mode will deliver an enhanced picture, though not of the quality of HDR mode. The advantage of this mode is that the picture is enhanced, and the latency is less than with HDR mode. This is the middle setting and offers better picture and medium latency.</p> <p>MPRT stands for Motion Picture Response Time. This setting offers the fastest response time and lowest latency (1ms) and is ideal for games where lower latency matters, such as fast paced FPS games, etc.</p>

### 4.2 What is required for DCR and MPRT?

Question	What is required for DCR or MPRT on this monitor?
Answer	A GPU with a Display Port Connector or an HDMI Connector.

### 4.3 Which mode (DCR or MPRT) is best for gaming?


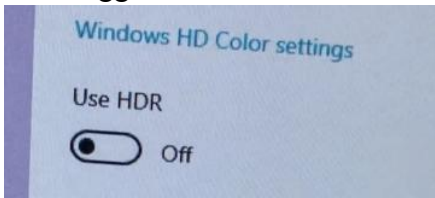
Question	Which mode (DCR or MPRT) is best for gaming?
Answer	This will depend entirely on the type of game you are playing and your own personal preferences for picture quality.

	<p>MPRT is offers the lowest latency and should be used for games where latency matters such as fast paced FPS games, etc. Any game where milliseconds matter in terms of hit boxes or survival will benefit from this setting.</p> <p>DCR offers a middle setting in terms of latency between HDR and MPRT. For games that do not require 1ms response time, this setting may be a good choice as a compromise with better picture than MPRT and lower latency than HDR mode.</p>
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#### 4.4 How do I Enable DCR Mode?

Question	How do I enable MPRT or DCR mode?
Answer	To fully enable MPRT or DCR on your monitor, you will need to change the settings for Windows Display and on the Monitor itself. You may also have to adjust some of the settings for your GPU.

#### 4.5 What settings in Windows Display do I adjust for HDR?

Question	What settings in Windows Display do I adjust for MPRT or DCR
Answer	<p>Right click on the desktop and select Display Settings.</p>  <p>Then toggle Use HDR to OFF under the Windows HD Color Settings.</p> 

#### 4.6 What settings do I adjust on the Monitor for MPRT or DCR?

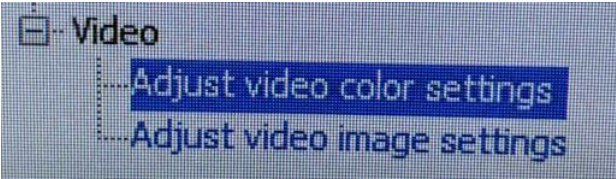
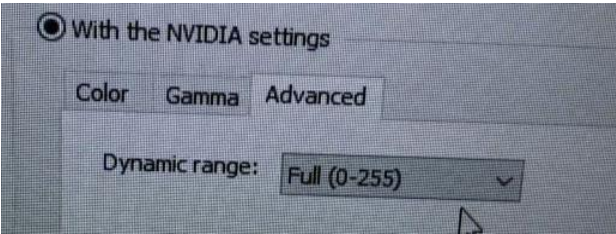

Question	What settings do I adjust on the Monitor for HDR?
Answer	Navigate to the Gaming Settings Menu and then make certain HDR mode is OFF. Then select DCR ON or MPRT ON. If DCR is set to ON, MPRT will be greyed out and not selectable. If you are trying to enable MPRT mode and it is greyed out, make certain that BOTH HDR mode and DCR mode are set to OFF





4.7

What settings do I adjust on the GPU Software for MPRT and DCR?

Question	What settings do I adjust on the GPU Software for HDR?
Answer	<p>This will depend on your GPU. You either have an NVIDIA or an AMD GPU. In either case, you want to make certain that the GPU settings are being used and that you have enabled full color range and highest bit color.</p> <p>NVIDIA users should select the setting to “USE NVIDIA” settings under both “video color settings” and “video image settings.” and then select Full dynamic range (0-255) NOT limited (16-235) under “video color settings”-&gt; Advanced.</p>   <p>AMD users should set Pixel Format to “RGB 4:4:4 Pixel Format PC Standard (Full RGB)” and set Color Depth should to 10 bpc</p> 




		
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## 5 FAQs: Picture Settings

This section addresses FAQs related to the picture settings on the monitor:

### 5.1 Why can I not adjust any of the picture settings?

Question	Why can I not adjust any of the picture settings?
Answer	<p>To manually adjust the picture settings, you cannot be in HDR mode and you have to select the USER profile and not one of the preset profiles. If you find that the Brightness, Contrast, etc are greyed out, navigate to Display-&gt;Profile-&gt;User and enable that profile.</p> 

### 5.2 What picture settings adjustments do you recommend?

Question	What picture settings adjustments do you recommend
Answer	<p>If you are not using HDR mode, you may wish to adjust the Brightness, Contrast and Black Equalize settings. This is personal preference, but we prefer that the Black Equalize and Brightness settings on MPRT be lowered slightly. We also like more Contrast than the default.</p>


## 6 FAQs: Gaming Plus Features

This section addresses FAQs related to the Gaming Plus Features in the Funai Gaming Monitor:

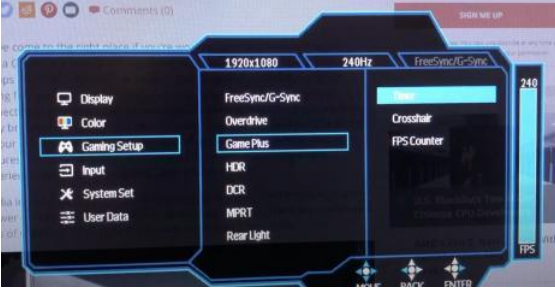

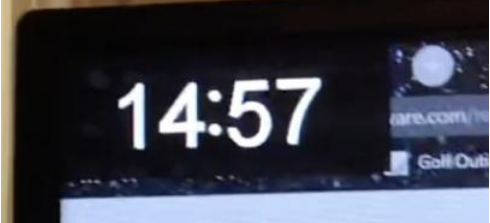
### 6.1 What are the Gaming Plus Features?

Question	What are the Gaming Plus Features?
Answer	A Crosshair, Timer and FPS Counter can all be enabled on the monitor.

### 6.2 What is the use of the crosshair/How do I enable the crosshair?

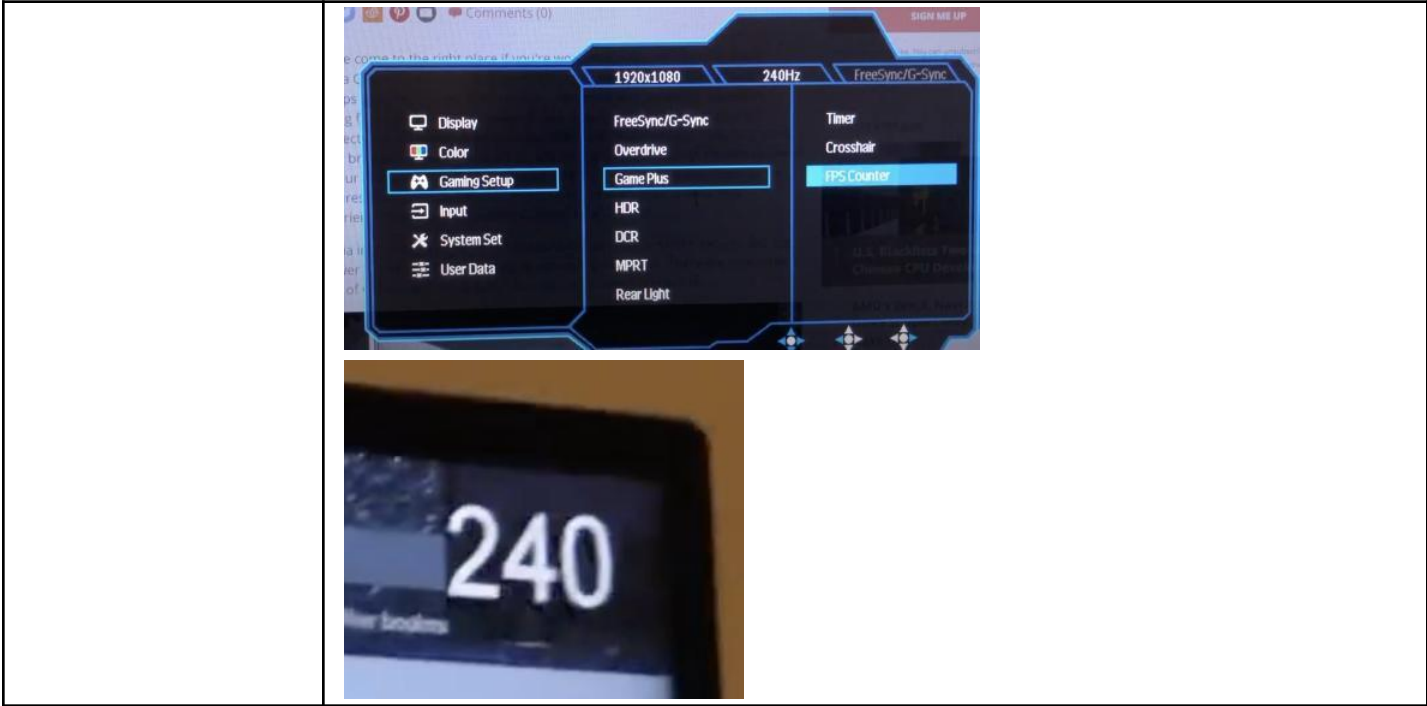
Question	What is the use of the crosshair/How do I enable the crosshair?
Answer	<p>Funai Gaming Monitors can improve your aim with a crosshair overlay. Simply choose the style of crosshair you prefer and it will be overlaid on screen for you to use as a guide. Navigate to Gaming Setup-&gt;Game Plus-&gt; Crosshair and select the style you prefer:</p> 

### 6.3 What is the use of the timer/How do I enable the timer?

Question	What is the use of the timer/How do I enable the timer?
Answer	<p>With the Funai Gaming monitor you will never miss another event in game again, thanks to the built-in timer. Navigate to Gaming Setup-&gt;Game Plus-&gt; Timer and select length of time you want to count down.</p>   

### 6.4 What is the use of the FPS counter/How do I enable the FPS Counter?

Question	What is the use of the FPS Counter/How do I enable the FPS Counter?
Answer	<p>See your in game FPS right on the Monitor without having to run any additional SW that might sap resources you want for your game. Navigate to Gaming Setup-&gt;Game Plus-&gt; FPS Counter and enable it.</p>



## 7 FreeSync and G-Synch.

This section addresses FAQs related to the NVIDIA G-Synch and AMD FreeSync:

### 7.1 Does the Funai Gaming Monitor support AMD FreeSync?

Question	Does the Funai Gaming Monitor support AMD FreeSync?
Answer	Yes. Navigate to Gaming Setup-> FreeSync to enable it

### 7.2 Does the Funai Gaming Monitor support NVIDIA G-Synch?

Question	Does the Funai Gaming Monitor support NVIDIA G-Synch?
Answer	Not at this time.

## 8 FAQs: Drivers

This section addresses FAQs related to the drivers for this monitor:

### 8.1 Where can I download the latest drivers?

Question	Where can I download the latest drivers?
Answer	<a href="https://www.funaiamerica.com/support">https://www.funaiamerica.com/support</a>


### 8.2 Are there drivers for Windows AND Mac?

Question	Are there drivers for Windows and Mac?
Answer	TBD

## 9 FAQs: Upgrading

This section addresses FAQs related to updating the firmware of the monitor:

### 9.1 How do I upgrade the firmware of this monitor

Question	How do I upgrade the firmware of this monitor?
Answer	<p>You will need a USB drive and the latest firmware from <a href="https://www.funaiamerica.com/support">https://www.funaiamerica.com/support</a></p> <p>Once you have saved the firmware to the USB drive you will need to insert into the USB slot on the back of the monitor labeled “Service”</p> <p>Then navigate to System Set-&gt; USB Upgrade-&gt; Confirm to begin the update</p>  The image shows the On-Screen Display (OSD) menu of a monitor. The menu is displayed in a dark blue/black background with white text. At the top, it shows '1920x1080' and '144Hz'. The main menu on the left lists: Display, Color, Gaming Setup, Input, System Set (highlighted with a blue bar), and User Data. The 'System Set' menu is open, showing options: Language, OSD Setup, Audio, Reset, and USB Upgrade (highlighted with a blue bar). To the right of the 'USB Upgrade' option is a 'Cancel' button. At the bottom of the screen, there are three buttons: 'MOVE', 'BACK', and 'ENTER'.