



## Mirillis Action! Tutorials: Hardware, Action! settings and other tutorials

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### Setup Intel Quick Sync Video on Desktop PC with PCI-E graphics card

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#### Introduction

This tutorial shows how to setup Intel® Quick Sync Video on desktop PC without need to connect a monitor to Intel HD graphics card. The tutorial is designed for all desktop computers with Intel® processors supporting Intel® Quick Sync Video technology and with additional NVIDIA or AMD PCI-E graphics card installed.

Requirements to setup Intel Quick Sync Video on desktop PC with additional PCI-E graphics card:

- Hardware supporting Intel Quick Sync Video Technology
- Latest version of Action! and Intel graphics drivers

Why Intel Quick Sync Video technology is so cool?

- Ultra fast raw AVI Action! recordings export to MP4 format with low CPU usage
- Real-time HD video recording directly to MP4 format with low CPU usage

Please follow the steps below to setup your PC to make Intel Quick Sync Video technology available in Action!



#### Check your hardware specification

Check if your CPU model supports Intel Quick Sync Video technology. You can check your desktop processor model graphics specifications at Intel website:

<http://ark.intel.com/#DesktopProcessors>

Graphics Specifications	
Processor Graphics	Intel® HD Graphics 3000
Graphics Base Frequency	850 MHz
Graphics Max Dynamic Frequency	1.1 GHz
Intel® Quick Sync Video	Yes
Intel® InTru™ 3D Technology	Yes

## 2 Enable Intel graphics card in BIOS

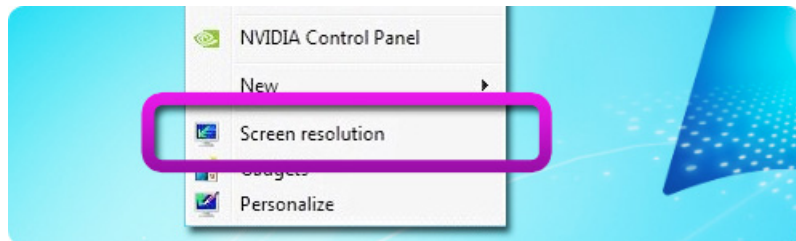
Check your PC BIOS User Manual or instructions to see how to enable Intel integrated graphics (iGPU). Enable Intel graphics and save BIOS changes.

## 3 Install the latest Intel graphics drivers

It is strongly recommended to install the latest Intel graphics drivers available for your Intel HD graphics card model. Intel Quick Sync Video acceleration may be not available or may work incorrectly with old graphics drivers.

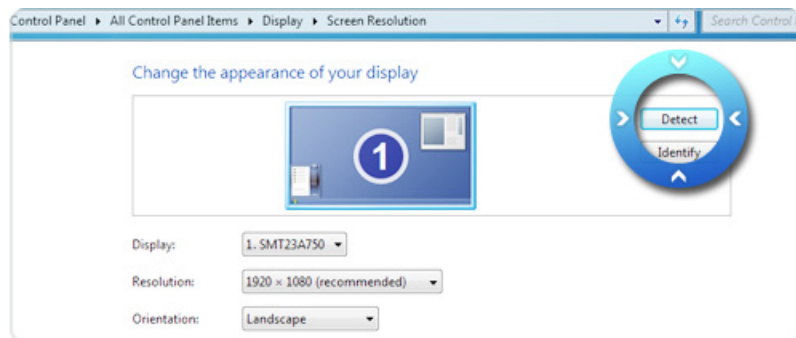
## 4 Open Windows Screen Resolution settings

Click with mouse right button on the desktop to show menu and select **Screen Resolution**.



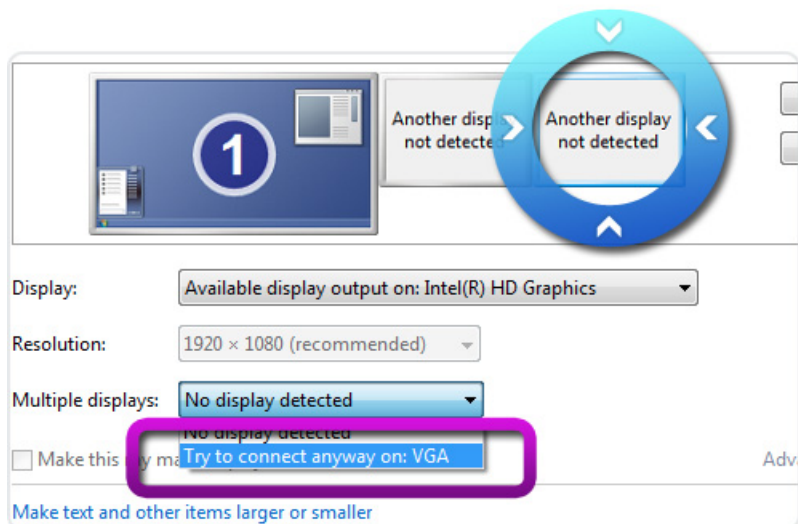
## 5 Detect inactive video outputs

Click **Detect** button to detect inactive video outputs.



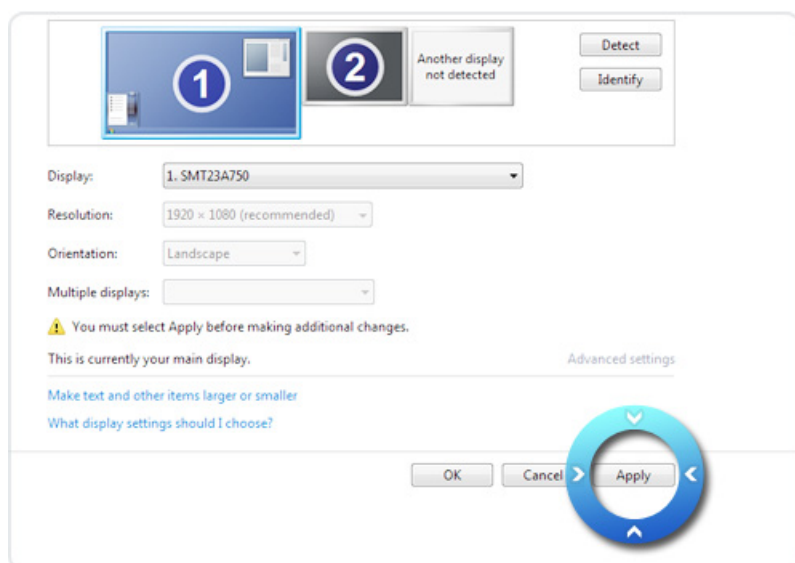
## 6 Force display on Intel® HD Graphics output

Select detected display output for **Intel® HD Graphics** and select "Try to connect anyway on VGA" from **Multiple displays"** dropdown.



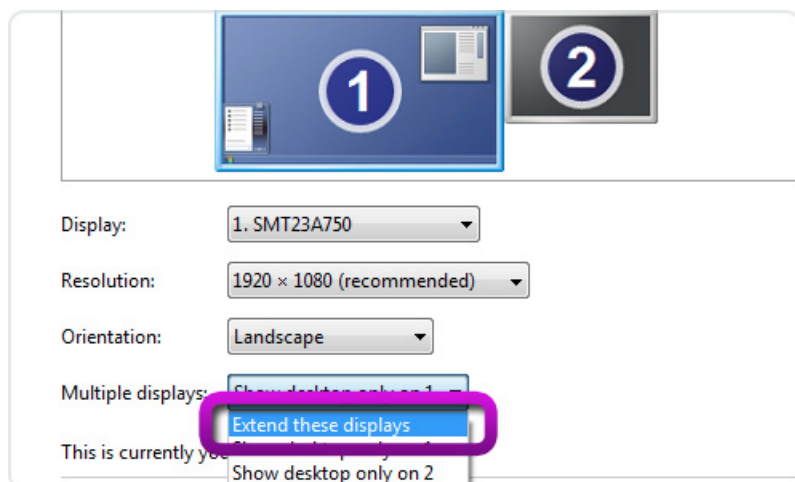
### 7 Apply changes

Click **Apply** button before making any additional changes.



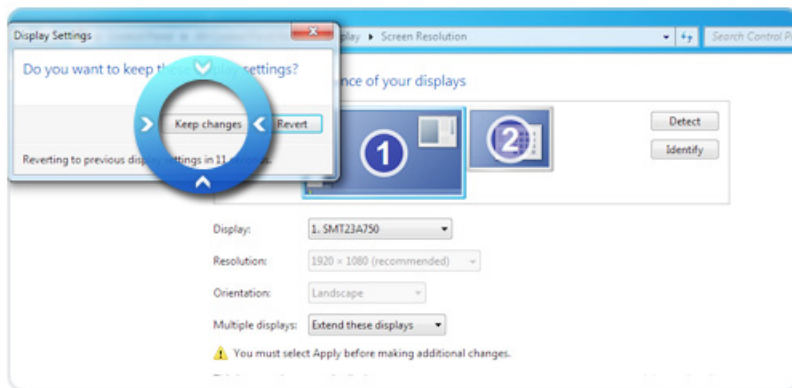
### 8 Extend display

Select your main display and select "Extend these displays" from **Multiple displays** dropdown.



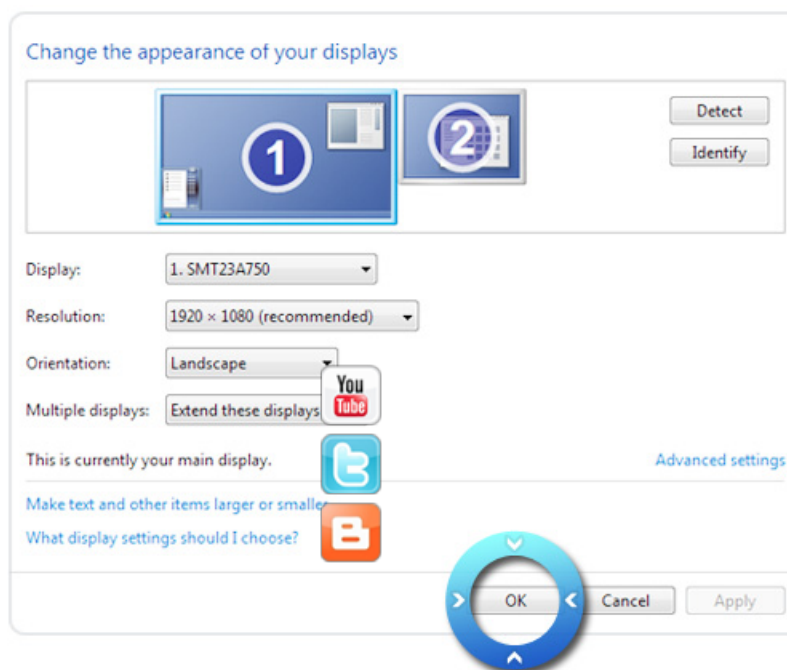
### 9 Apply and accept changes

Click **Apply** button and **Keep changes**.



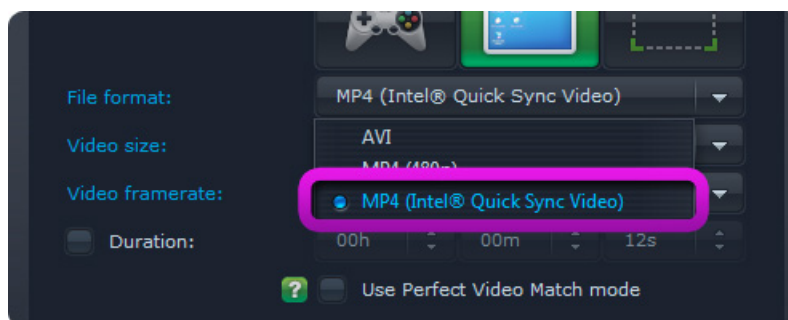
#### 10 Close Screen Resolution settings

Your displays setup should look similar like on the picture below. Click **OK** button to close Screen Resolution settings.

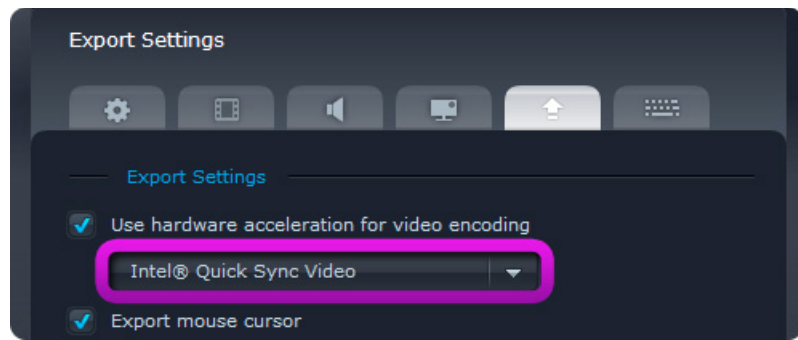


#### 11 Open Action! and select Intel Quick Sync acceleration

Run Action! and check **File format** settings in Video Recording tab. MP4 (Intel Quick Sync Video) should be now available.



Open Action! Export Settings and check **Use hardware acceleration for video encoding**, Intel Quick Sync Video acceleration should be now available.



If Intel® Quick Sync Video is still not available, please make sure your hardware supports this technology, install the latest drivers or try to enable Intel® Quick Sync Video with following [tutorial](#).

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