

# mClassic

## User Guide



## What's in the box



mClassic



USB Power  
Cable



HDMI Extension  
Cable

*Note:* You may use Female-Female HDMI coupler if needed.

Or use the provided short HDMI extension cable.

Any high speed HDMI 2.0 (4k/60hz rated) cable should work.



## Step 1: Connect mClassic

1. Insert male end of mClassic into your console, or the console's HDMI adapter (where applicable, adapter not included)
2. Insert the HDMI cable into the female end of mClassic
3. Insert other end of HDMI cable to your TV or monitor



## Step 2: Power it up

1. Connect the provided micro USB cable to mClassic
2. Connect the other end of the USB cable to either an available USB port (on the game console, TV, or computer) or to an available USB AC adapter such as a phone charging brick



## Step 3: Modes

Select the appropriate mClassic mode using the toggle switch.

# mClassic Original Modes



## Mode 1: Enhancement Off

No processing; Audio/Video is passed-thru;  
No need to remove it should you choose not  
to use it



## Mode 2: Enhancement On

Sharpens visuals & upscales widescreen  
game content; Anti-aliasing. Green light will  
be on



## Mode 3: Retro Mode

Sharpens visuals & upscales retro game  
content; Anti-aliasing; Preserves original 4:3  
aspect ratio



\*Some Retro consoles require 3rd party HDMI adapters

# Video Input and Output

Input	Output [1]			
	Resolution	Frame rate	Mode	
480i	60Hz	Mode 1	480i	
		Mode 2	480i	
		Mode 3	480i	
576i	50Hz	Mode 1	576i	
		Mode 2	576i	
		Mode 3	576i	
1080i	60Hz	1080i	1080i	1080i
VGA	60Hz	VGA	1080p/1440p	1080p/1440p [3]
480p	60Hz	480p	1080p/1440p	1080p/1440p [3]
576p	50Hz	576p	1080p/1440p	1080p/1440p [3]
720p	24/25/30Hz	720p	2160p	2160p
720p	50/60/120Hz	720p	1080p/1440p	1080p/1440p [3]
1080p	24/25/30Hz	1080p	2160p	2160p
1080p	50/60/120Hz	1080p	1080p/1440p	1080p/1440p [3]
2160p	24/25/30/50/60 [2]	2160p	2160p	2160p

[1] Preserve input frame rate as output rate for zero lag time

[2] All supported in YUV 4:4:4 except 2160p 50Hz/60Hz supported in YUV 4:2:0

[3] Retro Mode is in 4:3 aspect ratio

Note: 1440p only available on supported monitors and TVs

mClassic Retro only supports 4:3 aspect ratio

# mClassic Retro Modes



## Mode 1: Retro Mode

Sharpens visuals & upscales retro game content; Anti-aliasing; Preserves original 4:3 aspect ratio



## Mode 2: Vintage

Preserves original colors and lighting of CRT TVs in 4:3 aspect ratio while sharpening visuals & upscaling; Anti-aliasing



## Mode 3: Vintage Enhance

Builds on Vintage Mode with additional fine-tuning on the visual enhancements



\*Some retro consoles require 3rd party adapters  
4:3 Aspect Ratio

# Video Input and Output

Input	Output <sup>(1)</sup>			
	Resolution	Frame rate	Mode 1      Mode 2      Mode 3	
480i	60Hz	480i	480i	480i
576i	50Hz	576i	576i	576i
1080i	60Hz	1080i	1080i	1080i
VGA	60Hz	VGA	1080p/1440p	1080p/1440p <sup>(3)</sup>
480p	60Hz	480p	1080p/1440p	1080p/1440p <sup>(3)</sup>
576p	50Hz	576p	1080p/1440p	1080p/1440p <sup>(3)</sup>
720p	24/25/30Hz	720p	2160p	2160p
720p	50/60/120Hz	720p	1080p/1440p	1080p/1440p <sup>(3)</sup>
1080p	24/25/30Hz	1080p	2160p	2160p
1080p	50/60/120Hz	1080p	1080p/1440p	1080p/1440p <sup>(3)</sup>
2160p	24/25/30/50/60 <sup>(2)</sup>	2160p	2160p	2160p

[1] Preserve input frame rate as output rate for zero lag time

[2] All supported in YUV 4:4:4 except 2160p 50Hz/60Hz supported in YUV 4:2:0

[3] Retro Mode is in 4:3 aspect ratio

Note: 1440p only available on supported monitors and TVs  
mClassic Retro only supports 4:3 aspect ratio

# mClassic Switch Modes



## Mode 1: Enhancement On

Sharpens visuals & upscales widescreen game content; Anti-aliasing.



## Mode 2: Switch Plus

Recreates Switch handheld's immersive colors/lighting on larger screens while sharpening visuals and upscaling; Anti-aliasing



## Mode 3: Switch Enhance

Improves detail and contrast for games with darker content, like The Witcher or Skyrim, building on Switch Plus Mode's immersive colors/lighting for larger screens



# Video Input and Output

Input	Output (1)			
	Resolution	Frame rate	Mode 1      Mode 2      Mode 3	
480i	60Hz	480i	480i	480i
576i	50Hz	576i	576i	576i
1080i	60Hz	1080i	1080i	1080i
VGA	60Hz	VGA	1080p/1440p	1080p/1440p
480p	60Hz	480p	1080p/1440p	1080p/1440p
576p	50Hz	576p	1080p/1440p	1080p/1440p
720p	24/25/30Hz	720p	2160p	2160p
720p	50/60/120Hz	720p	1080p/1440p	1080p/1440p
1080p	24/25/30Hz	1080p	2160p	2160p
1080p	50/60/120Hz	1080p	1080p/1440p	1080p/1440p
2160p	24/25/30/50/60 (2)	2160p	2160p	2160p

[1] Preserve input frame rate as output rate for zero lag time

[2] All supported in YUV 4:4:4 except 2160p 50Hz/60Hz supported in YUV 4:2:0

Note: 1440p only available on supported monitors and TVs

## Technical Support

Web Site Visit our web site at [www.marseilleinc.com](http://www.marseilleinc.com).

There you can visit our Forums, browse our Frequently Asked Questions (FAQ) pages, or request assistance online

Email and Phone support: M-F 9 AM - 5 PM PST.

**Email:** [support@marseilleinc.com](mailto:support@marseilleinc.com)

## Important Safety Information

Handle the Marseille mClassic with care. It contains sensitive electronic components.

Attach and detach the mClassic by grasping the unit and inserting it straight into the game console (source) HDMI socket. Do not pull on the wires to detach the mClassic, and do not bend or apply excessive force when connecting to your equipment.

Be sure the mClassic is not stepped on, pinched or kinked. The mClassic may become warm during normal use.

Always allow adequate ventilation around the mClassic . Do not install mClassic near any heat sources such as space heaters, heater vents or radiators.

Do not use mClassic near water.  
Clean only with a soft dry cloth. House cleaners or solvents can damage the finish on the mClassic.

## **Disposal and Recycling**

This product should not be treated as household waste. Instead, please deliver it to the applicable collection point for the recycling of electrical and electronic equipment.

By recycling this product correctly, you will help conserve natural resources and prevent potential negative environmental consequences. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

## FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna
2. Increase the separation between the equipment and receiver
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
4. Consult the dealer or an experienced technician for help.

Note 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

# Troubleshooting

<p>Why am I not getting 4K?</p>	<p>If your screen accepts 4k, then your content might be at too high a frame rate to upscale. Only video less than 30hz can be upscaled to 4k.</p>
<p>Why am I not getting 1440p?</p>	<p>Your screen might not accept 1440p. Please check with your screen's manufacturer to verify if 'native 1440p' is supported.</p>
<p>Why am I not getting any video? or Why does the video keep dropping?</p>	<ol style="list-style-type: none"><li>1. Please review setup instructions to ensure mClassic is plugged in with the correct orientation, and ensure the LED light turns on when switching modes</li><li>2. Try using a different HDMI cable; ensure the cable is certified for for 4k content (HDMI 2.0 or higher)</li><li>3. If using the included HDMI extender, try removing the extender</li><li>4. If using an HDMI switch or splitter, try removing it from the switch and connect it directly in line</li></ol>
<p>Why don't I see a difference?</p>	<ol style="list-style-type: none"><li>1. If possible, set the console output resolution to what the render resolution is. This will allow mClassic to process the raw, unmodified data.</li><li>2. Turn off all monitor picture enhancements as they may interfere with mClassic's performance</li><li>3. Try using a different HDMI cable; ensure the cable is certified for for 4k content (HDMI 2.0 or higher)</li></ol>

## One (1) Year Limited Warranty:

Marseille Networks Inc. warrants this product to be free from defects in materials and workmanship. This warranty covers the original purchaser only, and is not transferable to anyone who subsequently buys, leases, or otherwise obtains this product from original purchaser. Your One-Year Limited Warranty begins on the date of purchase. Your original purchase invoice or sales receipt, showing date of purchase, is your proof of warranty period. The duration of this warranty does not extend beyond the initial period of coverage should any repairs or replacements be made or performed. This warranty does not extend to any product not purchased from Marseille Networks Inc. or an authorized Marseille reseller of the purchased product. This warranty does not extend to a product that has been damaged or rendered defective as a result of use for which the product is not intended, is contrary to instructions provided in the user guide, as a result of the use of parts not manufactured or sold by Marseille Networks Inc., or due to an abuse, negligence, modification, or improper packing when returning Marseille Networks Inc products.

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**How Do I Obtain Warranty Service?** If you require warranty service, please email [support@marseilleinc.com](mailto:support@marseilleinc.com), at which time an mClassic support engineer will attempt to resolve any issues. If unable to resolve your issue, you will be issued an RMA # to authorize the return of the item for repair or replacement. All charges incurred while returning product, including postage, duties, export taxes, and customs duties, are the responsibility of purchaser, and purchaser assumes all risk of loss during shipment. Models Covered Under This Warranty: mClassic, mCable Cinema Edition, mCable Gaming Edition.



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