



MHC

Software Release Notes

Version 2.4.0

MHC	Version 2.4.0
Releases Date	23/01/2019

Revision History

Date	Version	Description
23/01/2019	1.0	Release note for MHC v2.4.0

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Release Notes

1. Introduction

Multi-Head Controller, or MHC, is a software by Mark Roberts Motion Control used to control the MRMC camera heads via Ethernet, designed for professional studio and external broadcast environments with simplicity in mind. MHC provides smooth, precise and real-time control over a multitude of MRMC robotic heads at the touch of a button and connectivity to external controllers, such as a USB Joysticks, Broadcast panels, Xbox controllers and Ethernet based Pan-Bar controllers from a single workstation.

1.1. Purpose

The purpose of Release Notes is to communicate the major new features and changes in new MHC Release (Version 2.4.0). It also documents known issues and work arounds.

2. Software Location

New version of MHC Release version 2.4.0 can be found in

<https://www.mrmoco.com/resources/downloads/>

3. Compatibility

3.1 Firmware

Recommended Firmware Versions	MRMC POD: Hex_HC_POD_v2.99.btl or above MRMC POD ROUTER: v2.31 or above MRMC HEX: Hex_HC_v2.70.btl or above MRMC ULTI: Ulti_HC v2.70.btl or above MRMC QUAD: Quad_HC_v2.52.btl or above MRMC WHISPER HEAD: v3.22 or above Note: MHC v2.4.0 is not compatible with POD v1.7 or above
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3.2 Products

Please visit MRMC website for more details about compatible products list.

<https://www.mrmoco.com/broadcast/products/>

4. Installations and Upgrading

It is highly recommended that the users perform a backup procedure to the current MHC environment before an upgrade or a new installation. The software installation process will provide the users an option to either perform a new installation or an update process. New installation process will remove all previous user specific configurations.

Backup procedure for MHC Upgrade.

- Make a **copy** of the MHC folder in C:\Program Files (x86)\MHC and name it accordingly
- Select the upgrade option during MHC v2.4.0 installation

Backup procedure for MHC v2.4.0 New Installation.

- **Rename** the current working environment located under C:\Program Files (x86)\MHC [Change MHC folder to MHC_xy]
- Select New Installation option during MHC v2.4.0 installation



5. New Features

Following new features are supported by release MHC v2.4.0:

- Iris axis disabled by default and smoother Iris controls
- Multiple Live View with Chat Skin
- Multiple Streams – Dynamically updated depending on number heads on MHC Server
- Improvements to Colour Tab [Advance D5 colour control]
- Smooth aperture control [With D5 Video Mode]
- Preset Keypad
- Integrated GStreamer
- Show robot IP and video URL address via MHC Tools tab
- Speed control for PanBar [configurable Scaling Factor via MHC Admin]
- Default lens data for NIKKOR 24-120, 80-400, 24-70

6. Known Bugs and Limitations

- MHC v2.4.0 is not compatible with POD v1.7 or above
- Live stream sometimes not appearing at MHC start up (users may need to press the PLAY button)
- MHC Client can sometimes be slow when maximum number of heads are in use
- Some presets may have missing name tag for Dart skin (users can assign a custom name or need to enter *preset 1* to display the default names)
- Homing and direct zero may not work as expected with AFC-100 and analogue lenses (Direct Zero will move the lens to its 0 positions)
- Enabling USB direct to PODs D5 can cause slowness to host PC (Limited to one connection at a time)
- Updates to axis max/min positions after lens homing requires tab refresh (Users need to browse out and back in to see the updated positional limits in axis setting)