

Magnetar Bluray Player Installation and Usage Guide



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chowmainsoft

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Overview

Magnetar Blu-ray players are high-performance media devices that deliver exceptional audiovisual experiences. Utilizing advanced magnetar technology, these players boast superior playback quality and enhanced functionality. With support for various disc formats, including Blu-ray, DVD, and CD, they offer a versatile entertainment solution. Magnetar players incorporate cutting-edge features such as 4K Ultra HD upscaling, HDR (High Dynamic Range) support, and Dolby Atmos compatibility, delivering stunning visuals and immersive audio. Their sleek designs and user-friendly interfaces make navigation effortless, while integrated ethernet and streaming capabilities enable access to online content. Magnetar Blu-ray players are the go-to choice for cinephiles and home theater enthusiasts seeking unparalleled performance and versatility in their entertainment setups.

Features

- IP control - UDP800 model only
- RS232 control - UDP800 and UDP900 models
- Support for all ELAN controllers and interfaces
- Premade interfaces for rapid installation
- Compatible with HR40, HR10, TS2, HR2, Phones and Tablets
- Wide Range of command support, including:
 - AB Repeat
 - Angle
 - Aspect Toggle
 - Audio
 - Back
 - Blue
 - BluRay Popup Menu
 - Cancel
 - Caption Position
 - Clear
 - Closed Caption
 - Digits
 - Dimming
 - Down
 - DVD Menu
 - Enter
 - Exit
 - Fast Forward
 - Format
 - Green
 - HDR
 - Home
 - Image Adjustment
 - Info
 - Jump
 - Left
 - Menu
 - Mute Toggle
 - Open/Close
 - Options
 - Pause
 - PIP
 - Play
 - Play/Pause

- Pop Up Menu
- Power Off
- Power On
- Pure Tone
- Red
- Repeat
- Return
- Rewind
- Right
- Second Audio
- Select
- Settings
- Skip Back
- Skip Forward
- Standby
- Stop
- Subtitle
- Top Menu
- Up
- Volume Down
- Volume Up
- Yellow
- Zoom Toggle

FAQ

What models does this driver support

- UDP800 (RS232 and IP)
- UDP900 (RS232 only)

Note that we only support the UDP800 for IP control as the UDP900 does not have wake-on-lan functionality

Why is this product so exciting?

The Magnetar Blu-ray players are high end Blu-ray players that take audio and video quality seriously. The UDP900 for example features a Sabre ES9038PRO DAC. This DAC outputs stereo sound via twin balanced XLR or unbalanced RCA outputs. It also outputs surround sound via a 7.1 RCA array. It can also output audio digitally via HDMI, optical or coax.

Does this driver support two-way controls

At present this driver is a one-way driver only due to limitations in the Magnetar API. We have asked Magnetar to upgrade their API to support two-way controls. When this does happen we will update our driver to include this functionality.

Do you offer any other cool drivers?

Control4 is a major part of our business. We develop new drivers all the time. You can see all of our drivers on our website (<https://chowmain.software>). Sign up to our newsletter to get notified when new drivers are released.

I want to try this driver out before buying it?

- All Chowmain drivers for Control4 come with a 90 day trial.

Setup

Requirements

- ELAN OS 8.8 or later required. Earlier OS Versions are not supported

Before you install

- The UDP-900 model does not support wake-on-lan. As such we do not support IP control over this model. If you are using this model please connect a serial RS-232 cable for control.
- The UDP-800 model supports both IP and RS232 control. Note that for IP control you must note down the mac address of the player for the driver to send a wake-on-lan packet to start it up. This can be found in the '**About Player**' section in the setup menu. Alternatively, a good network IP scanner can also help identify the MAC Address
- IP Addresses should be reserved or static (recommended).

Driver Setup

1. Under Media, add Generic Media Source and import the corresponding Network or Serial driver
2. If using Serial:
 1. You will need to Serial communication device to the project (generally, Generic Serial with the correct serial port set).
 2. Ensure the Serial cable is connected between the BluRay Player and you are using the correct serial adapter type
 3. In the Serial Magnetar driver, select the correct Comm Device
3. If using Network:
 1. Configure the Magnetar player with a static IP. Alternatively, you may also reserve an IP address on the DHCP Table for the router
 2. Set the Magnetar IP Address in the driver.
 3. You will need to add the Mac address to the driver to allow the unit to be correctly awakened after Power Off. This can be found in the '**About Player**' section in the setup menu and can be entered with or without dashes or colons.
4. Add the Activation Key (as per licensing) to activate the driver and enable operation after the expiration of the trial period

Configuration

- IP Address: IP Address of Device (Network Only)
- Comm Device: Serial Communication Device to communicate with unit (Serial Only)
- Activation Key: Driver Central Activation key for this driver. Required to license the driver
- Activation Status: Activation State of the driver
- MAC Address: Required for Network WOL (Network Only)

- Perform Command: Used for Advanced Commands. Use Submit Diagnostics for additional assistance during support enquiries.

Diagnostics

- ELAN MAC Address: Easy copy and paste field to identify the unit MAC Address (generally only used for remote troubleshooting)
- Device UUID: Used internally for remote troubleshooting
- Debug Mode: Used for cloud logging and other debugging.
- Debug Level: Verbosity of internal logging. Used for Troubleshooting
- Error Reporting: Used to automatically report detected driver faults to Chowmain. By default on STABLE Releases, diagnostics are not sent automatically.

Troubleshooting

Serial Control does not operate correctly

1. Ensure the wiring of the cable is correct and the correct serial type is used (Null Modem or Straight)
2. Ensure the correct Serial Port is selected
3. Ensure firmware of unit is up to date

Network Control does not operate

1. Ensure Unit is accessible via network, by pinging
2. Ensure cabling is correct
3. Ensure the IP has not changed.
4. Check for IP conflict

Magnetar does not power on using Power On Universal Command

1. Ensure Mac Address is correct and has been entered into configuration string.

Licensing

- How does the trial period work?

All Chowmain drivers are free to use for a set trial period. When the trial expires the driver will cease to function until you purchase a licence and apply it to the driverCentral project.

- Where do I buy a Licence from?

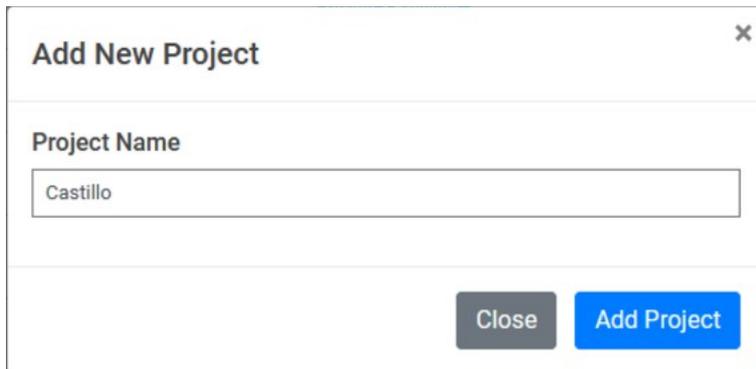
This driver is developed by Chowmain software & Apps and is distributed by driverCentral, Inc <https://www.drivercentral.io/chowmain-ltd>

To purchase a driver:

1. On driverCentral, purchase a license and register it to your project
2. If the driver is not already installed in your project, download it and install it
3. If necessary, use the cloud driver's Action: "Check Drivers" to force the licence to download into the project

Creating a Project on Driver Central

1. Visit <http://www.drivercentral.io>
2. Log into your driver Central dealer account
3. Click **Portal**
4. Click **New Project**
5. Enter the project name



The screenshot shows a modal dialog box titled "Add New Project". It has a close button (X) in the top right corner. Below the title bar, there is a label "Project Name" and a text input field containing the word "Castillo". At the bottom right, there are two buttons: a grey "Close" button and a blue "Add Project" button.

6. Click **Add Project**
7. Click on the project we just created

Project	Status	Created
Castillo	Unassigned Project	1999-12-31 23:59:56

8. Take note of the **Project Token** as this will be used later when we install the Cloud Driver

Castillo ✕

Project Token: ABCDEFG012	MAC: 000FFF123456	IP: 1.2.3.456
Connection Status: Offline	Last Seen:	Actions: + 🔗 🗑️

There are no drivers attached to this project.

Close

9. Click **Close**

Purchasing a Driver Licence

1. Visit <https://www.drivercentral.io/chowmain-ltd/> and find the product/driver you want to purchase a licence for

2. Click on **Add to Cart**



3. Now click the shopping cart icon (top right) and click **View cart**

🔍
👤
🛒

BenQ universal projector

2 x \$70.00

Hikvision

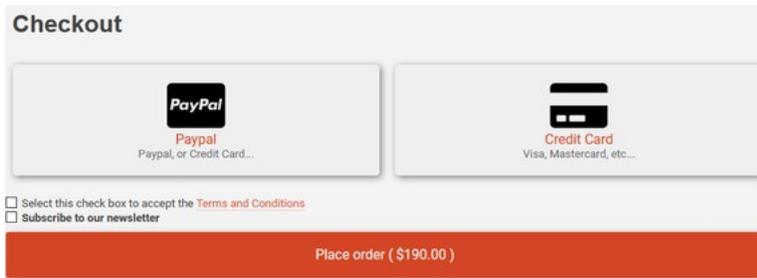
1 x \$50.00

View cart

4. Confirm that your order is correct and click on **Proceed to checkout**



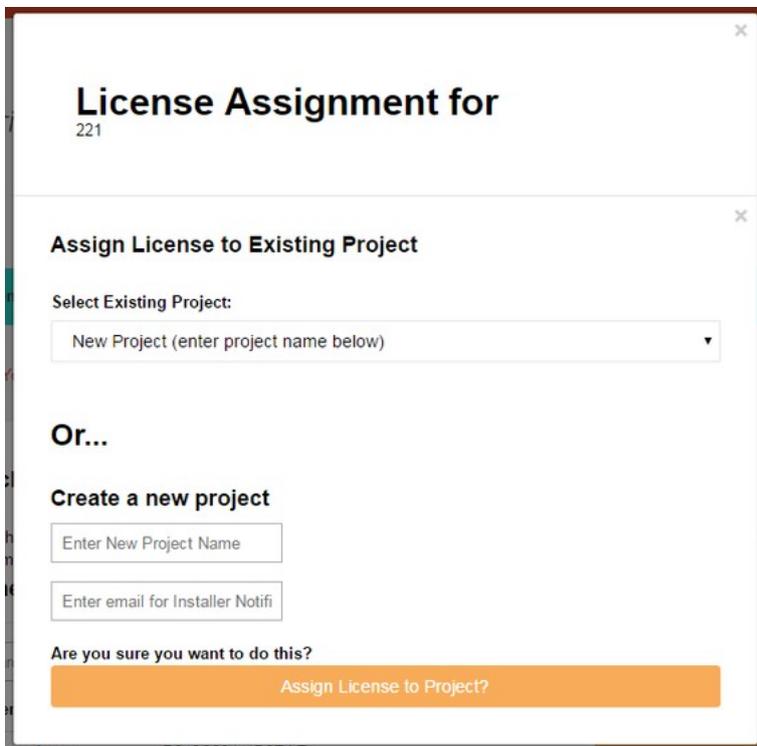
5. Choose your payment option, provide the relevant details and click **Place order**



6. You will now be at a page where you can see your purchased licence



7. From here assign the licence to the project we created or if you did not follow that step create a new project



Developer Information



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Information stated in this document is current as of July 2020 and may change. For latest information please visit <http://www.chowmainsoft.com>

Support

Ticket / Live Chat Support

We provide ticket based support and live chat support for those who can't contact us via phone. Click the button below to visit our online helpdesk.

Support Centre	Hours of Operation	URL
American Support Desk	8:30AM – 4:30PM Mountain Time	https://help.drivercentral.io/

Phone Support

Support Center	Hours of Operation	Phone Number
Australian Support Desk	6:30AM – 5:30PM Australian Eastern Time	+61 3 9028 6999

Driver Documentation

All of our drivers come with detailed instructions on how to install and configure the driver for use in different projects. Please refer to the documentation included with the driver you downloaded, or [contact us](#) if you are unable to locate the documentation for your driver.

CHANGELOG

Version 1.0.0 - 12-JUL-2023

Initial release