

# OpenCap API

## > Application Programming Interface for Medialon Manager V5

### Benefits

Easily connect and communicate with Medialon Manager V5

Solely one DLL to redistribute

Compatible with multiple languages (C++, Visual Basic, C# and more)

Sample code provided

Based on regular MON protocol, used natively between Medialon Manager Instances

### Applications

Theme Parks

Live Events

Museums

Cruise Ships

Stadium

Casinos

Theaters

Planetarium

**OpenCap API** is an Application Programming Interface allowing to connect to Medialon Manager V5, our Windows®-based control software, from a third party application, through the network. The legendary ease of programming and reliability have made Medialon Manager V5 widely used in simple as well as critical control applications such as: Museum media control, Theme Parks and Attractions show control, Architectural video & lighting control, Convention Centers audio & video remote control, etc.

Thanks to OpenCap API, it is now possible for third party developers to:

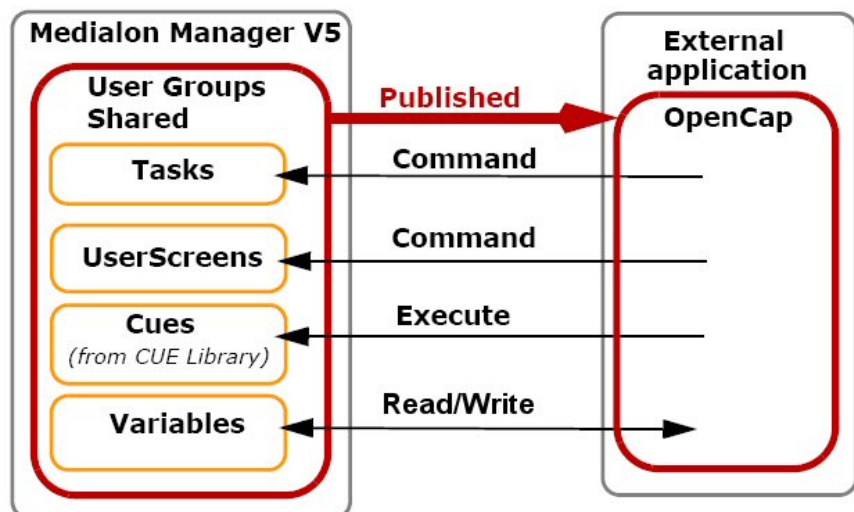
- Connect to Medialon Manager over the network
- Discover Medialon Manager internal objects (UserScreens, Variables, Tasks, etc.)
- Take the control of those Medialon Manager internal objects

Medialon Manager can control any audiovisual equipment using any protocol and network. Being software-based, it integrates perfectly with IT, opening a wide range of new applications. Audio & video streaming control, links to database, media management, and facility wide control are not dreams anymore.

The OpenCap API now offers a more powerful connection to the core of Medialon Manager.

The OpenCap functionality is the ability for Medialon Manager to expose and share its variable, tasks, user's screen and cues, over a TCP/IP network using the MON (Manager On Network) protocol. This reliable protocol is the one used between several Medialon Manager V5 in multiple control software architecture.

The API offers a DLL (Dynamic Link Library) that connect to Medialon Manager using this protocol, allowing developers to read data and trigger task or change variable value in their Medialon Manager project. This API offers also several programming examples in different languages (C++, VisualBasic, C#).



## Principal Supported Commands

- Connection management commands
- Open UserScreen
- Close UserScreen
- Goto Page (in a user's screen)
- Start Task
- Pause Task
- Stop Task
- Goto Label (in a task)
- Goto Line (in a task)
- Goto Time (in a task)
- Set Variable (set the value of a variable)
- Get Variable (get the value of a variable)
- Get Variable Changed List (get the list of variables that has changed)
- Object Control
- Get Object Status
- Get Object List

## Compatibility

Medialon Manager V5 or higher versions

## Supplied Item

DLL (Dynamic Link Library)  
Sample code (C++, C#, VisualBasic)  
Libraries  
Documentation

## Licensing

OpenCap API is licensed free against return of license agreement signed. It is limited to use with Medialon Manager V5 and higher versions and cannot be used for other purposes or without Medialon Manager V5.

OpenCap API is reserved to Medialon Manager registered and trained users. Medialon reserves the right to refuse to license OpenCap API.

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