



**Ultimate**  
RIGGING SOLUTIONS

PRODUCT CATALOGUE

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# Introduction

The needs of the entertainment industry are unique: no other industry requires simultaneous control of numerous lifting units, with systems being setup and dismantled just a few days later.

We have an extensive experience working with electric chain hoists and winches for shows and events, and we felt that there was a gap in product offering on this market segment.

That's why we have been manufacturing electric chain hoist controllers for 25 years.

Our customers value having solutions that suits the way they work, as much as dealing with people that understand their applications.

Altimate is a proud member of the following organizations :



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# MotionRoad Direct Control

*The ultimate touring solution : flexible, strong, powerful*

If you want the best possible tool to setup your stage wherever you go, look no further !

Designed closely with our customers, this controller has an incredible set of features that can be extended with future firmware update. It has not only flexible control and connection possibilities, but small feature that make all the difference when the schedule is tight !

1.

## Smart hoist selection

Each channel has an ADJUST position to quickly operate one hoist without having to deselect and re-select all the others.

Each selector has RGB LED that indicates the status of the channel : On, Off, Adjust, Going Up & Going Down.



2.

## Info Display

Oled display screen is part of the standard delivery and is designed to inform operator about the status of the controller.

If this unit is used inside the full Altimate eco system, then user will beneficiate of the repetition of this display everywhere (radio remote, load cell receiver, load cell)



3.

## Phase reversal switches

Even with an automatic phase check and alignment at main power stage, something has not been wired correctly and one of your hoist is going in the opposite direction ?

By using these switches, you can easily reverse the phase of each channel without modifying your current selection.



4.

## Local or remote control

A switch allows you to select between the 2 control modes and the optional remote (\*) and cable, offering the same hoist selection capabilities.

Don't like to be tied ?  
An optional wireless module is available !



12 CHANNELS - DIRECT CONTROL



(\*) see chapter MotionPad

## MotionRoad Direct Control Features :

Control Type	Hoist Type	Connectors	Channels	Reference	WxDxH (cm)
Local & Remote	Direct control	CEE + Harting + Socapex	12	UMC12V	58,5x62,5x70

Accessories		
MotionConnect	Radio module for use with wireless remote controls	UMCRTX1
MotionPad 12 ... 72	Remote for wired control	DR12 ... 72W
MotionPad 12 ... 72	Remote for wired and wireless control	DR12 ... 72WWL
Altimate Cable XLR 8+2	Power & data cable for remote control or link	UCLINK8+2_1M50 ... 300M
AC Adapter	Battery charger 24V 1.5A 36W NC10 for radio remote	UMDCHARGEUR24
USB Loader Cable	USB to XLR 8+2 cable for firmware update	UMDUSBNC10RS485

- Individual or group control of 12 DC electric chain hoists or lifting unit like winches.
- Controllers can be linked with our digital link system for master slave connection up to 128 simultaneous channels.
- Thermal-magnetic circuit breakers to protect hoists from surges and short-circuit.
- Group stop if a breaker of the controller or linked system trips, with key for by-pass function.
- Reset button proceeds to internal checks and makes sure the operator has been made aware an emergency stop happened before the system can be operated again.
- 32A power input, with power out to daisy chain several controllers for power supply (63 or 125A available on request).
- Automatic phase alignment of the power input and individual phase alignment of the power output.
- Multistandard outputs CEE, Harting and Socapex as standard on direct control to suit every configuration (other configuration available on request).
- Built-in a 14U premium case on wheels (2 with brakes) with a 4U drawer to store the remote, radio receiver and cables.
- 2x AUX 230V power output for any device such as laptop, phone...
- Large range of option available :
  - Smart concept of group memory via simple selection of channel and storage (via MotionPad)
  - Large choice of input and output connectors in order to adapt the system to your specific needs or according local requirement
  - Other power supply
  - Load monitoring

# MotionRoad Low Voltage

*The ultimate touring solution : flexible, strong, powerful*

If you want the best possible tool to setup your stage wherever you go, look no further !

Designed closely with our customers, this controller has an incredible set of features that can be extended with future firmware update. It has not only flexible control and connection possibilities, but small feature that make all the difference when the schedule is tight !

1.

## Smart hoist selection

Each channel has an ADJUST position to quickly operate one hoist without having to deselect and re-select all the others.

Each selector has RGB LED that indicates the status of the channel : On, Off, Adjust, Going Up & Going Down.



2.

## Info Display

Oled display screen is part of the standard delivery and is designed to inform operator about the status of the controller.

If this unit is used inside the full Altimate eco system, then user will beneficiate of the repetition of this display everywhere (radio remote, load cell receiver, load cell)



3.

## Local or remote control

A switch allows you to select between the 2 control modes and the optional remote (\*) and cable, offering the same hoist selection capabilities.

Don't like to be tied ?  
An optional wireless module is available !



4.

## Phase reversal management

Even with an automatic phase check and alignment at main power stage, something has not been wired correctly and your hoist are going in the opposite direction ?

By using this switch, you can easily reverse the phase of all channels, set phase with automatic alignment or let phase identical as power from main.



12 CHANNELS - LOW VOLTAGE CONTROL



(\*) see chapter MotionPad

## MotionRoad Low Voltage Features :

Control Type	Hoist Type	Connectors	Channels	Reference	WxDxH (cm)
Local & Remote	Low voltage control	Socapex	12	UMC12LVS	58,5x62,5x70
		Harting 6		UMC12LVH6	
		Harting 16		UMC12LVH16	

Accessories		
MotionConnect	Radio module for use with wireless remote controls	UMCRTX1
MotionPad 12 ... 72	Remote for wired control	DR12 ... 72W
MotionPad 12 ... 72	Remote for wired and wireless control	DR12 ... 72WWL
Altimate Cable XLR 8+2	Power & data cable for remote control or link	UCLINK8+2_1M50 ... 300M
AC Adapter	Battery charger 24V 1.5A 36W NC10 for radio remote	UMDCHARGEUR24
USB Loader Cable	USB to XLR 8+2 cable for firmware update	UMDUSBNC10RS485

- Individual or group control of 12 LV electric chain hoists, lifting units like winches or travelling devices (trolleys).
- Controllers can be linked with our digital link system for master slave connection up to 128 simultaneous channels.
- Thermal-magnetic circuit breakers to protect hoists from surges and short-circuit.
- Group stop if a breaker of the controller or linked system trips, with key for by-pass function.
- Reset button proceeds to internal checks and makes sure the operator has been made aware an emergency stop happened before the system can be operated again.
- 32A power input, with power out to daisy chain several controllers for power supply (63 or 125A available on request).
- Phase alignment management : selection switch for automatic alignment, phase reverse or no correction of the power input.
- Multistandard outputs Harting and/or Socapex as standard on low voltage control to suit every configuration (other configuration available on request).
- Built-in a 14U premium case on wheels (2 with brakes) with a 4U drawer to store the remote, radio receiver and cables.
- 2x AUX 230V power output for any device such as laptop, phone...
- Large range of option available :
  - Smart concept of group memory via simple selection of channel and storage (via MotionPad)
  - Large choice of input and output connectors in order to adapt the system to your specific needs or according local requirement
  - Other power supply (Single phase)
  - Load monitoring

# MotionHall

Advanced control for fixed installations and venues

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Boosting safety features; flexible controls and a quality finish, our digital controller range suits the most demanding installations.

Various formats of wired and/or wireless remote can be used to match your working habits.

1.

## Smart hoist selection

---

Each channel has an ADJUST position to quickly operate a single hoist without having to deselect and re-select all the hoist from your current selection.

Each selector has a RGB LED that indicates the status of the channel : On, Off, Adjust, Going Up & Going Down.



2.

## Hybrid contactors

---

This new generation of contactors is especially designed for electric motors, providing increased safety and longer lifespan.

It is easy to adjust to your hoists power requirements, and brings a modular design that makes maintenance easier and quicker.

(Direct control only)



3.

## Local or remote control

---

A switch allows you to select between the 2 control modes and the optional remote (\*) and cable, offering the same hoist selection capabilities.

Don't like to be tied ?  
An optional wireless module is available !



4.

## Brackets dual mounting

Brackets can be fixed at the rear for wall-mounting or reversed at the front for rack mounting.



12 TO 128 CHANNELS



**MotionHall Features :**

Control Type	Hoists Type	Channels	WxDxH (cm)	WxDxH (cm)
Local & Remote	Direct control	12	50x22x89 (20U)	UMCDC12DWHYB
		24	50x22x111 (25U)	UMCDC24DWHYB
		36	50x22x133 (30U)	UMCDC36DWHYB
		48		UMCDC48DWHYB
	Low voltage control	12	50x22x89 (20U)	UMCDC12DW
		24	50x22x111 (25U)	UMCDC24DW
		36	50x22x133 (30U)	UMCDC36DW
		48		UMCDC48DW

Accessories		
MotionConnect	Radio module for use with wireless remote controls	UMCRTX1
MotionPad 12 ... 72	Remote for wired control	DR12 ... 72W
MotionPad 12 ... 72	Remote for wired and wireless control	DR12 ... 72WWL
Altimate Cable XLR 8+2	Power & data cable for remote control or link	UCLINK8+2_1M50 ... 300M
AC Adapter	Battery charger 24V 1.5A 36W NC10 for radio remote	UMDCHARGEUR24
USB Loader Cable	USB to XLR 8+2 cable for firmware update	UMDUSBNC10RS485

- Individual or group control of electric chain hoists, lifting units like winches or travelling devices (trolleys).
- Oled display screen is part of the standard delivery and is designed to inform operator about the status of the controller.
- Limited power supply ? Set a limit on how many units can be operated at the same time.
- E-stop button allowing an immediate group stop if a dangerous situation occurs.
- Phase indicator and global status LEDs to check your power supply input and operation.
- Cable exits at the top or bottom to suit the configuration of your installation.
- Robust steel enclosure with black epoxy coating.
- Power input : hard-wired (on terminal board) 3P+N+E 63A | Power rating 380~415V / 3 Ph / 47~63 Hz.
- Output : hard-wired (on terminal board) 3P+E 16A.
- 32A power input, 63 or 125A available on request.

# MotionPad

Effortless management of large installations

Conveniently take control of one or several linked controllers with our MotionPad !  
Use its group buttons to swiftly recall different hoist selections that you can configure in advance or on the go, and work without boundaries thanks to our optional wireless module.

1.

## Group management

Recall your different rigging points and areas without hassle !

Users can store, recall and delete directly from the remote using dedicated RGB backlit buttons. Via connection from the remote to a PC, it is also possible to rename the groups



2.

## Wired or wireless

Move around your installation freely with our optional wireless module !

If your battery goes low, just use our universal single cable to operate your hoists and charge your remote at the same time



3.

## Info Display

Oled display screen is part of the standard delivery and is designed to inform operator about the status of the controller.

If this unit is used inside the full Altimate eco system, then user will beneficiate of the redundancy of this display and status information everywhere (radio remote, load cell receiver, load cell)

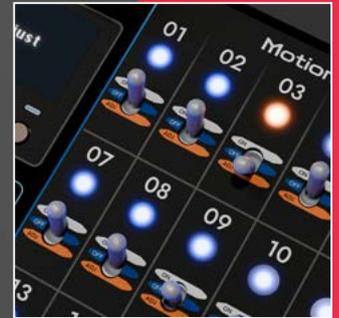


4.

### Adjust feature

You have just one hoist that is not correctly positioned ?

Hold the selector down to use the adjust feature, allowing you to control just this particular hoist without the need to remove and redo your current selection.





# MotionPad 12

(\*) Group feature not available with MotionPad 12



# MotionPad 72

## MotionPad Features :

Control Type	Channels	Reference	WxDxH (cm)
Wired	12	DR12W	26x16x12
	24	DR24W-G	29x24x12
	36	DR36W-G	33x26x12
	48	DR48W-G	33x26x12
	72	DR72W-20G	38x29x12
Wireless & wired	12	DR12W-WL	26x16x12
	24	DR24W-WL-G	29x24x12
	36	DR36W-WL-G	33x26x12
	48	DR48W-WL-G	33x26x12
	72	DR72W-WL-20G	38x29x12

### Accessories

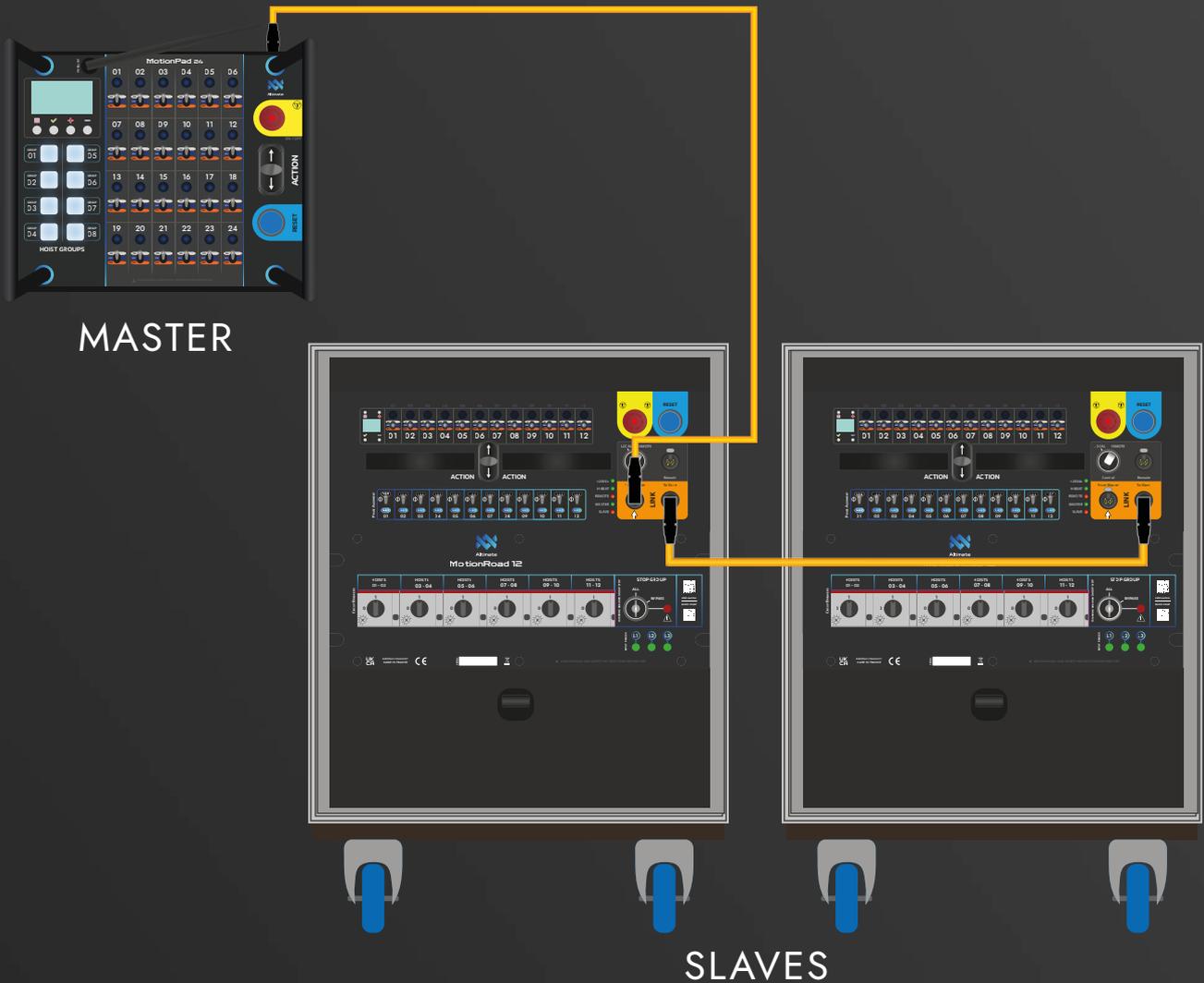
MotionConnect	Radio module for use with wireless remote controls	UMCRTX1
Altimate Cable XLR 8+2	Power & data cable for remote control or link	UCLINK8+2_1M50 ... 300M
AC Adapter	Battery charger 24V 1.5A 36W NC10 for radio remote	UMDCHARGEUR24
USB Loader Cable	USB to XLR 8+2 cable for firmware update & group renaming	UMDUSBNC10RS485

- E-stop button allowing an immediate group stop if a dangerous situation occurs.
- OLED screen with 4 buttons for settings and information messages.
- Backlit RGB per channel which indicate status for clear operations and on groups buttons for friendly use.
- Program and name your groups in advance using our PC software.
- Internal lithium battery for increased lifespan and long work sessions of up to two days !
- The battery can be charged while working by simply connecting it to the main controller.
- Fitted with motion sensor to automatically set it in and out of power saving mode.
- AC adapter available to charge your remote using an external power source.



# System overview : Wired link system

Link several controllers together to control more channels simultaneously



- Simply plug the cable from one controller to another. The first controller becomes a master and your system operates as one.
- When controllers are linked together, all emergency stop buttons remain fully operational.
- Our system continuously checks that no controller are reporting any error, in which case the system would stop until the operator has performed a reset.

# System overview : Wireless protocol

Move around your installation with our wireless remotes



- Connect the wireless module to the controller as you would connect a wired remote. After a simple pairing process, your controller is ready to operate wirelessly!

- To make sure you stay in control at any given time, our protocol provides constant feedback between the remote and the controller, stopping operations if the communication is lost. We use a sub 1Ghz frequency to avoid interferences and offer a long range of operation.

We use only one type of shielded cable for all our connections, keeping your inventory easy to manage. If your battery goes low, connect it to the controller to operate as a wired remote while charging.

# VisionCell

*Wired & wireless load cell system fully integrated with our digital controllers*

VisionCell is a load-measurement system, based on a 5-ton (FOS 8:1) capacity load cell, which is fully integrated with our range of DIGITAL controllers.

Capable of operating wirelessly or on wire according to your project needs, up to 128 load cells can be used on one installation.

They use a lithium battery that can be charged directly in its transport case.

Load readings and status are available on the controller or its remote as well as on the load cell display.

## 1. Direct reading on controllers & remote

Fully integrated by design with our digital controllers for a convenient way to monitor loads. Selecting hoists on a controller or its remote gives you a direct information of how much load is at your fingertip !

And if you just need a simple reading, use it as a standalone with its built-in display, no setup required !



## 2. Wired and wireless use

VisionCell can be connected to the receiver either way, it uses a single cable for power and data or a 868 Mhz (others frequency available on request to match with our local regulations) frequency for wireless connections.

You get the best of both worlds, it's up to you to decide what suits best your installation or your current job !

A third connector is available as provision for future data transmission



BUILD-IN OLED DISPLAY · WIRED OR WIRELESS · 360° RGB SIGNALS  
LITHIUM BATTERY · SMART CHARGE · HIGH ACCURACY



3.

### Highest safety levels

---

Monitor in real time each static and dynamic load of your rigging points. Set overload or underload alerts for each load cell and choose to trigger a flashing alert on the cell and on the controller, but you can also set to stop your hoists automatically if such case occurs.



4.

### Integration with other systems

---

The load cells receiver is equipped with 2 triggers as standard, in order to activate external warning equipment (audible or visual warning devices : siren, flashing light...) when required.



5.

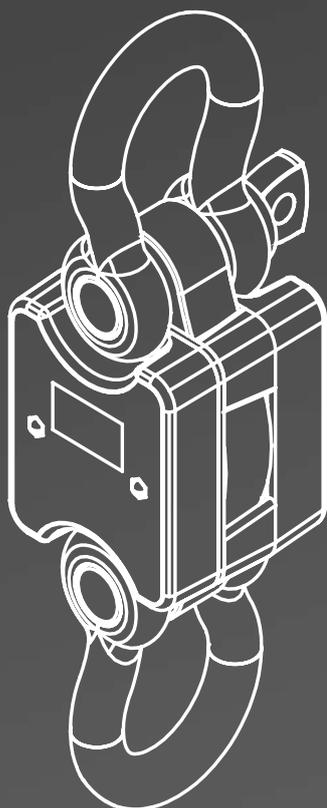
### RGB lighting for 360° signals

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A powerful RGB LEDs design to give you a clear understanding of load cell's status, whether you're 20 meters below the load cells or standing above on catwalks.

Overload (red) or underload alert (yellow), unit identification (flashing white), recharge (blue)... you will not miss anything happening on your system !





# VisionConnect

2U 19" rack receiver for wired and wireless connection with the load cells

The VisionConnect is at the heart of the Altivision system, transmitting data from the load cells to Altimotion controllers and remotes. It provides plenty of connectivity options to suit the requirements of most projects.

1.

## Wired or wireless

According to your application type (Touring or fix installation) you can use the set of load monitoring system in a wired or wireless configuration or both of them at the same time.

The receiver can manage up to 128 load cells what ever your choice in term of data transmission.



2.

## By-pass feature

In case of overload status detected by the system, a warning signal will appear on Oled display from receiver and all motion in process will be stopped.

To unlock the control system an action from stage manager will be required to solve origin of this issue, this could be done using the key by-pass feature.



3.

## Integration with other systems

The load cells receiver is equipped with 2 triggers as standard, in order to active on request additional warning equipment (audible or visual warning devices : siren, flashing light...)



4.

## Web server

The receiver will be able to create its own Wi-Fi network, to provide a simple way to access the load cells data using your phone or laptop, without the need to install a software or carry a dongle. This feature is currently in development and is not yet available.



# VisionCharge

Transport case for load cells with integrated slide-in charging system

---

The charging system integrated into the transport case is another valuable asset for an effortless management and deployment of our load cells. Simply power up the case and insert the load cells in any direction with their shackles still fitted to start the charging process. The load cells will light blue meanwhile, then green once fully charged. This case will save you loads of small manipulations and make sure your kit is always ready to go when needed.

1.

## Smart charge

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Thanks to the two pins located on both side of the VisionCell, the connection to charge the load cell's battery is done simply by sliding it in the case slots regardless of the polarity.



2.

## Plug and play

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The case is powered using a Neutrik True1 cable, offering a secured connection along with the ability to daisy-chain several cases.



3.

## RGB LEDs charge status

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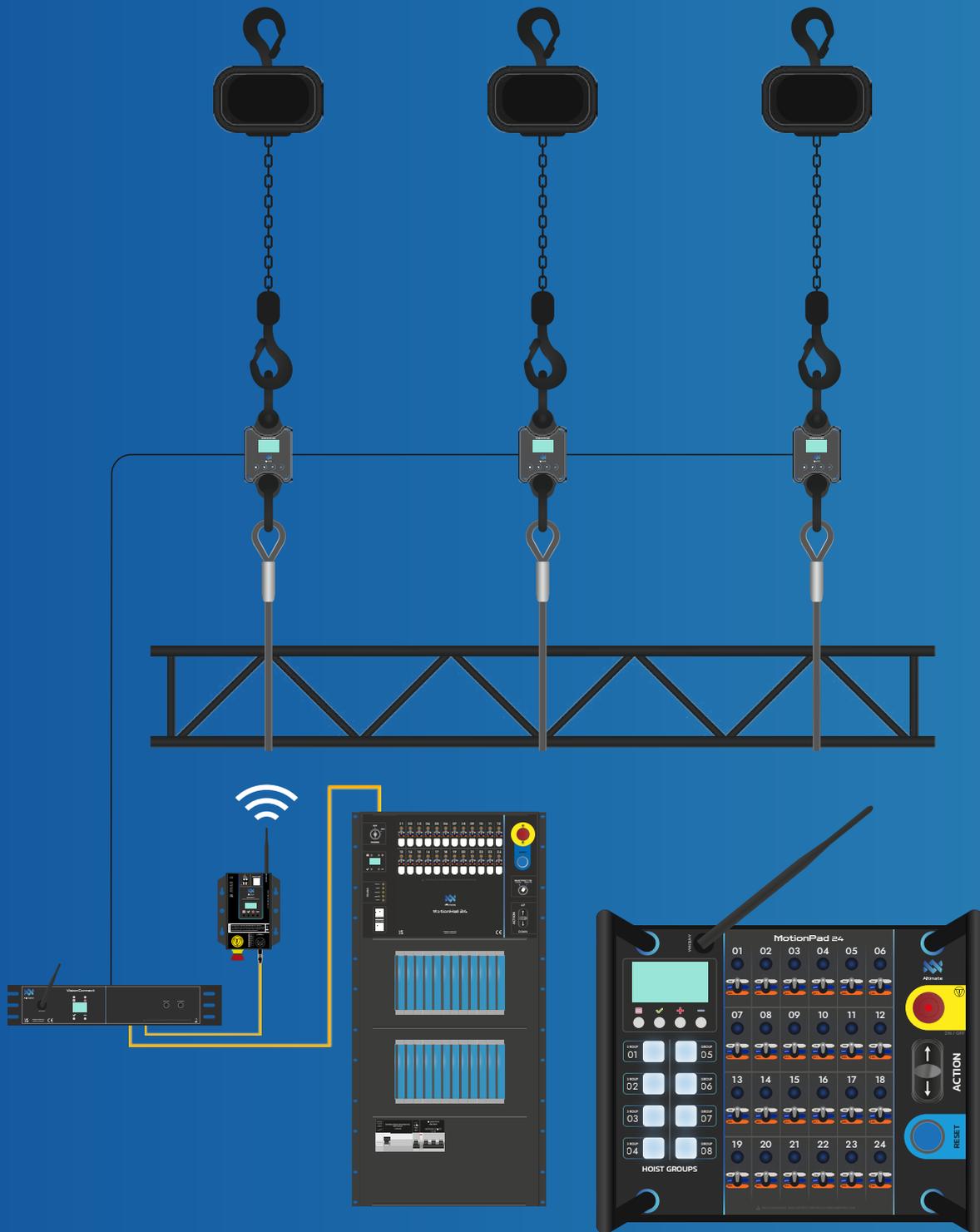
Once connected, the LEDs of load cells will turn blue to confirm that the charging is in progress. When fully charged, the LEDs will be lit in green, allowing you to make sure your system is ready at a glance.



INFO COMPLEMENTAIRE



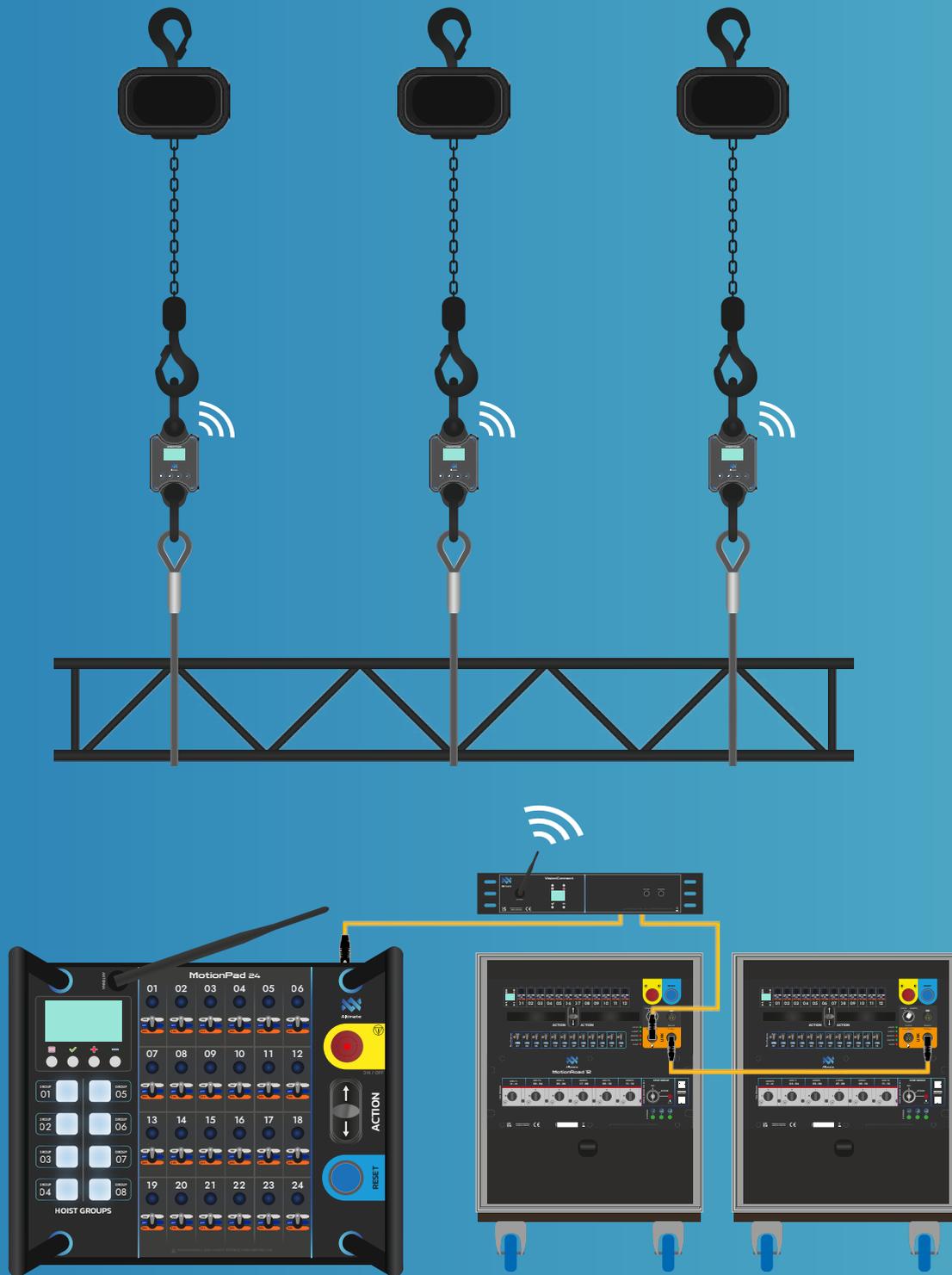
## SYSTEM OVERVIEW : WIRED & WIRELESS



Our range of load cell monitoring system shares the same philosophy as our product portfolio of digital controllers, being able to work on choice with wired connections only, fully wireless, or a mix of both.

In illustration above, the load cells are wired to the receiver, but the controller is operated wirelessly. You can monitor your loads on the go while working around on your installation.

## SYSTEM OVERVIEW : WIRELESS & WIRED



This other configuration above shows our load cells using wireless transmission to communicate with the receiver, while the two controllers are linked and operated using a wired remote.

Build-up of tailor made control and monitoring system dedicated to your application is limitless.

# WallMate

*The right solution for fixed installations and venues*

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These Wallmate controllers have proven their values throughout the years and will fit the needs of most installations.

Usually operated with a remote allowing the controller to be installed in a technical area, their robust in-house designed enclosure will last as long as your building.

1.

## Direct or low voltage control

---

Our controllers are available in direct control or low voltage control depending on the kind of hoist you are using.

Direct control hoists use the same cable for power and control whereas low voltage hoists use two separate cables.



2.

## Remote or local control

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Remote control versions are operated with a robust wired handset, offering hoist selection, Go and E-Stop buttons.

The remote comes with a 15 meters cable as standard, but other lengths are available on demand.

A wireless version is available as well for units up to 10 channels



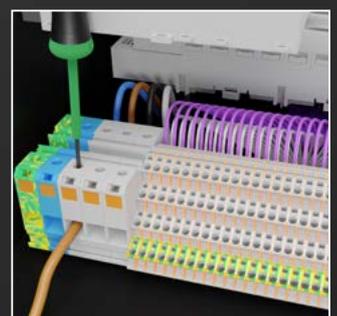
3.

## Designed for fixed installations

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Mounting holes at the back allow the controller to be easily mounted to wall.

The hoist power and control cables are connected using screw terminal blocks and exit the housing through cable passage.



2 TO 24 CHANNELS



WallMate Feature :

Control Type	Hoist Type	Channels	Reference	WxDxH (cm)
Local Control	DC Hoists	2	UMC02VW	50x18x50
		4	UMC04VW	50x18x50
		6	UMC06VW	50x18x50
		8	UMC08VW	50x18x50
		12	UMC12VW	50x18x95
		16	UMC16VW	50x18x95
		24	UMC24VW	90x18x95
	LVC Hoists	2	UMC02W	50x18x50
		4	UMC04W	50x18x50
		6	UMC06W	50x18x50
		8	UMC08W	50x18x50
		12	UMC12W	50x18x95
		16	UMC13W	50x18x95
		24	UMC24W	90x18x95
Remote Control	DC Hoists	2	UMC02ADVW	50x18x50
		4	UMC04ADVW	50x18x50
		6	UMC06ADVW	50x18x50
		8	UMC08ADVW	50x18x50
		12	UMC12ADVW	50x18x95
		16	UMC16ADVW	50x18x95
		24	UMC24ADVW	90x18x95
	LVC Hoists	2	UMC02ADW	50x18x50
		4	UMC04ADW	50x18x50
		6	UMC06ADW	50x18x50
		8	UMC08ADW	50x18x50
		12	UMC12ADW	50x18x95
		16	UMC16ADW	50x18x95
		24	UMC24ADW	90x18x95



# RoadMate

The standard solution for rental companies

Probably the easiest format to store on your shelf, load at the back of your truck and deploy on the field !

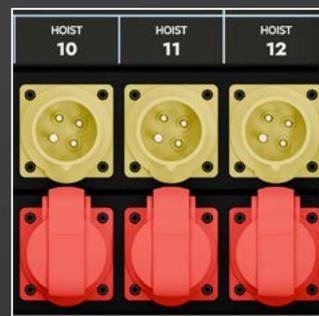
A simple and reliable solution for you to shape up your stage, our flight case controllers will not let you down.

1.

## Direct or low voltage control

Our controllers are available in direct control or low voltage control depending on the kind of hoist you are using.

Direct control hoists use the same cable for power and control whereas low voltage hoists use two separate cables.



2.

## Remote or local control

Remote control versions are operated with a robust wired handset, offering hoist selection, Go and E-Stop buttons.

The remote comes with a 15 meters cable as standard, but other lengths are available on demand.

A wireless version is available as well for units up to 10 channels



3.

## Classic flight case design

Because there are no events without a flight case, our controllers are available in this industry standard.

Easy to handle and durable, this long-lasting format is an ideal addition to your rental fleet !





2 TO 12 CHANNELS



**RoadMate Feature :**

<b>Control Type</b>	<b>Hoist Type</b>	<b>Channels</b>	<b>Reference</b>	<b>WxDxH (cm)</b>
Local Control	DC Hoists	2	UMC02VF	63x54x40
		4	UMC04VF	63x54x40
		6	UMC06VF	63x54x40
		8	UMC08VF	63x54x68
		12	UMC12VF	63x54x68
	LVC Hoists	2	UMC02W	63x54x40
		4	UMC04W	63x54x40
		6	UMC06W	63x54x40
		8	UMC08W	63x54x68
		12	UMC12W	63x54x68
Remote Control	DC Hoists	2	UMC02ADVf	63x54x40
		4	UMC04ADVf	63x54x40
		6	UMC06ADVf	63x54x40
		8	UMC08ADVf	63x54x68
		12	UMC12ADVf	63x54x68
	LVC Hoists	2	UMC02ADW	63x54x40
		4	UMC04ADW	63x54x40
		6	UMC06ADW	63x54x40
		8	UMC08ADW	63x54x68
		12	UMC12ADW	63x54x68



# BoxMate

*Affordable and easy to carry, a smart choice for any rigger*

A comprehensive range of controllers fitted in a tough, long-lasting polymer case reinforced with an internal galvanized steel frame. Built to last, it will serve you well !

Available in different formats, it can be equipped with our digital link system and use a simple remote for more convenience during operations.

1.

## Direct or Low Voltage Control

These controllers are available in direct control or low voltage control depending on the kind of hoists you are using.

Direct control hoist use the same cable for power and control whereas low voltage hoists use two separate cables.



2.

## Link System for Flexibility

As an option the controllers can be fitted with a link module, allowing to operate several controllers at once.

Safe and easy to use, this link system is explained in more details in previous pages of this brochure.



3.

## Remote Pickle

This optional wired remote offers a Up, Down and E-Stop buttons for a single controller or a linked system.

The remote comes with a 15 meters cable as standard and connects to the 'Link In' XLR-10 connector of the controller. The link option is required to connect a remote to the controller.





2 TO 8 CHANNELS



**BoxMate Feature :**

<b>Channels</b>	<b>Hoist Type</b>	<b>Connectors</b>	<b>Link System</b>	<b>Power Input</b>	<b>Reference</b>	<b>WxDxH (cm)</b>	
2	DC	CEE	No	16A	UMCDC02V16	33,5x30 x15	
				32A	UMCDC02V32		
			Yes	16A	UMCDC02VLG16		
				32A	UMCDC02VLG32		
	LVC		No	16A	UMCVL02V16		
				32A	UMCVL02V32		
			Yes	16A	UMCVL02VL16		
				32A	UMCVL02VL32		
4	DC	CEE	No	32A	UMCDC04V	46,5x36 x17,5	
			Yes		UMCDC04VLG		
		CEE + Harting	No		UMCDC04VH		
			Yes		UMCDC04VHLG		
		CEE + Socapex	No		UMCDC04VS		
			Yes		UMCDC04VSLG		
	LVC	CEE	No		UMCVL04V	55,5x43 x21	
			Yes		UMCVL04VL		
	6	DC	CEE		No		UMCDC06V
					Yes		UMCDC06VLG
		LVC	CEE		No		UMCVL06V
					Yes		UMCVL06VL
8	DC	CEE	No	UMCDC08V			
			Yes	UMCDC08VLG			



# CheckMate

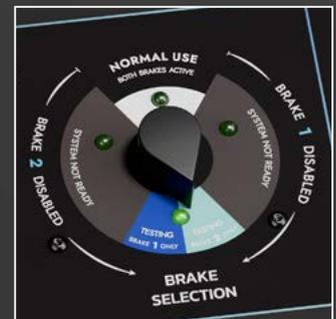
## Test system with independant brake selection for double brake hoists

While equipping the hoist with a second brake brings an extra layer of safety, so far the efficiency of each brake was almost never tested throughtout the life cycle of the hoist. CheckMate is a system that allows independant testing of each brake, as it now required by EN17026:2020. The system consist of a small PCB and connector fitted to the hoist, as well as a testing case. The testing case will connect to the hoist using standard cabling for power and control, and using a specific cable to the extra connector in order to enable or disable each brake in turn.

1.

### Independant brake selection

Our testing case let you select which brake you want to use when performing a load test, making sure that any brake can hold the load on their own.



2.

### For DC and LVC hoist

CheckMate can be used both with direct control and low voltage control hoists, you simply need to select the desired hoist type on the test case.

For LVC hoists, wiring can be done to your requirements.



3.

### Suitable for any brand of hoist

Our universal system can be adapted to virtually any brand of hoist, while the connector we use is IP67 to preserve the hoist's IP rating.



EN17026:2020

4.

## Optional control pickle

Speed up your test process with better freedom of movement by using our remote pickle with UP/DOWN and Emergency Stop control.



# Hoist Break out

*For hoist power and control distribution*

## HARTING BREAK OUT BOX

- Powder-coated steel enclosure -
- 16 pins Harting connector -
- Included clamp for truss mounting -
- Eye for safety sling connection -



## SOCAPEX BREAK OUT BOX

- Powder-coated steel enclosure -
- 19 pins Socapex connector -
- Included clamp for truss mounting -
- Eye for safety sling connection -



## HARTING BREAK OUT CABLES

- 16 pins Harting connector -
- H07RN-F cable with 1.5 mm<sup>2</sup> wires -



## SOCAPEX BREAK OUT CABLES

- 19 pins Socapex connector -
- H07RN-F cable with 1.5 mm<sup>2</sup> wires -





# Hoist Cables

*For hoist power and control distribution*

## DC HOIST CABLES

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For direct control hoists -  
CEE Red plugs 3P+E -  
4x 1.5mm<sup>2</sup> wires & H07RN-F cable -



## LVC HOIST CABLES

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For low voltage control hoists -  
CEE Red plugs 3P+E and CEE yellow 2P+E -  
7x1.5 mm<sup>2</sup> wires & H07RN-F cable -



## SINGLE PHASE HOIST CABLES

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For single phase hoists -  
CEE yellow plugs 2P+E and CEE blue plugs 2P+E -  
6x 1.5 mm<sup>2</sup> wires & H07RN-F cable -



## CONTROLLER POWER CABLES

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For hoist controllers main power supply -  
CEE 32A Red plugs 4P+E -  
5x 6 mm<sup>2</sup> wires & H07RN-F cable -





## HARTING MULTICORE CABLES

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- 16 pins Harting connectors
- 16x 1.5 or 2.5 mm<sup>2</sup> wires & H07RN-F cable



## SOCAPEX MULTICORE CABLES

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- 19 pins Socapex connectors
- 19x 1.5 or 2.5 mm<sup>2</sup> wires & H07RN-F cable



**Hoist break out Feature :**

<i>Product</i>	<i>Connector In Type</i>	<i>Connectors Out Type</i>	<i>Lenght</i>	<i>Reference</i>
Break-out Box	Harting Male	4x CEE Red Female	1 meter	BBHM-4RCF
		4x CEE Yellow Female		BBHM-4YCF
	Harting Female	4x CEE Red Male		BBHF-4RCM
		4x CEE Yellow Male		BBHF-4YCM
	Socapex Male	4x CEE Red Female		BBSM-4RCF
		4x CEE Yellow Female		BBSM-4YCF
	Socapex Female	4x CEE Red Male		BBSF-4RCM
		4x CEE Yellow Male		BBSF-4YCM
Break-out Cable	Harting Male	4x CEE Red Female	1 meter	BCHM-4RCF
		4x CEE Yellow Female		BCHM-4YCF
	Harting Female	4x CEE Red Male		BCHF-4RCM
		4x CEE Yellow Male		BCHF-4YCM
	Socapex Male	4x CEE Red Female		BCSM-4RCF
		4x CEE Yellow Female		BCSM-4YCF
	Socapex Female	4x CEE Red Male		BCSF-4RCM
		4x CEE Yellow Male		BCSF-4YCM

*Hoist cables Feature :*

<i>Cable type</i>	<i>Lenght (meter)</i>	<i>Reference</i>
DC hoist cables	5	DC-CAB-5
	10	DC-CAB-10
	15	DC-CAB-15
	20	DC-CAB-20
LVC hoist cables	5	LV-CAB-5
	10	LV-CAB-10
	15	LV-CAB-15
	20	LV-CAB-20
Single phase hoist cables	5	SP-CAB-5
	10	SP-CAB-10
	15	SP-CAB-15
	20	SP-CAB-20
Harting multicore cables	5	HT-CAB-5
	10	HT-CAB-10
	15	HT-CAB-15
	20	HT-CAB-20
Socapex multicore cables	5	SC-CAB-5
	10	SC-CAB-10
	15	SC-CAB-15
	20	SC-CAB-20

# Custom Solution

*Your controller, just the way you want it*

## YOUR SPECIFICATIONS

- Choose the number of channels and outputs you need -
- Choose the type of controls you want -
- Choose additional features to make your job easier -



## 3D DESIGN

- We use SolidWorks to design your controller -
- This allow us to anticipate issues before they even happen -
- Validate any aspect of your solution before production -



## SINGLE UNIT OR SERIES

- A unique controller for a specific application -
- A small or large batch to standardize your inventory -
- Custom serigraphy or OEM is possible -



## MADE IN FRANCE

- All our hoist controllers are designed, assembled and tested in Lille -



## VENUE MC93, Maison de la Culture, Paris Area

MC93 required 50 channels of control for the 10 pipes holding lighting fixtures and decors above its stage, each fitted with 5 hoists.

They needed a simple system, with one central unit wired to all their hoists and a 5 channels remote, in order to be able to lift each lighting pipe one by one, by simply connecting the remote to different outputs.



## RENTAL COMPANY MPM Audiolight

MPM wanted to give extra rigging capacities to their audio racks. They required controllers that could fit in these rack, using the spare space that they usually have. They also needed the ability to link the controllers and operate them locally or remotely.

They also had a preference for Harting connectors, that their technicians are used to repair on the field if needed.





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