

SONOSS

LOUIS REYNERS

EXCELS IN LIFTING, RIGGING AND FALL PROTECTION



HOIST CONTROLLERS

PROFESSIONAL CONTROL SOLUTIONS DESIGNED
FOR THE ENTERTAINMENT INDUSTRY

WWW.LR.NL

2022

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OUR RANGE

We developed a comprehensive range of control solutions that fits the needs of event professionals.

Our controllers are available in different formats to suit most situations.

We are also flexible and happy to study your request for custom solutions.



INTRODUCTION

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

We have an extensive experience working with electric hoists for shows and events, and we felt that there was a gap in what hoist manufacturers were offering.

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.

DIGITAL WALL-MOUNT

ADVANCED CONTROL FOR FIXED INSTALLATIONS AND VENUES

12 TO 128 CHANNELS



MADE IN FRANCE

Boasting 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.



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



HYBRID CONTACTORS

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

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



LOCAL OR REMOTE CONTROL

A switch allows you to select between the 2 control modes and the remote comes with a 15 meters cable as standard, offering the same hoist selection capabilities.

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

-
- » Individual or group control of electric hoists with a capacity ranging from 250 to 2000 kg.
 - » Limited power supply ? Set a limit on how many hoists 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. »

Robust metal enclosure with black epoxy coating.

- » Brackets can be fixed at the rear for wall-mounting or at the front for rack mounting.
- » Cable exits at the top or bottom to suit the configuration of your installation.
- » Power input : hard-wired 3P+N+E 32A | Power rating 380~415V / 3 Ph / 47~63 Hz
- » Output : hard-wired 3P+E 16A

MASTER REMOTE

EFFORTLESS MANAGEMENT OF LARGE INSTALLATIONS

24 / 48 / 72 CHANNELS

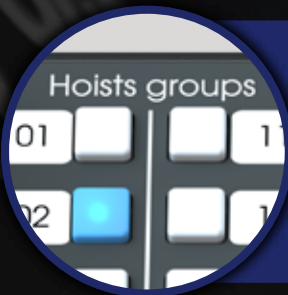


MADE IN FRANCE

Conveniently take control of one or several linked controllers with our master remote !

Use group buttons to swiftly recall different hoist selections that you can configure in advance or on the go.

Work without boundaries thanks to our optional wireless module.



GROUP MANAGEMENT

Recall your different loads and areas without hassle !

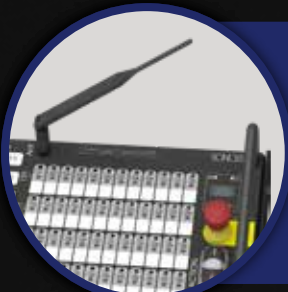
The user can store, recall and delete up to 20 groups directly from the remote using dedicated RGB backlit buttons.



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.



WIRED OR WIRELESS OPERATION

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.

-
- » E-stop button allowing an immediate group stop if a dangerous situation occurs.
 - » A small OLED screen with 4 buttons for settings and information messages.
 - » Backlit RGB buttons and channel indicators for clear operations.
 - » 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.

CLASSIC WALL-MOUNT

THE RIGHT SOLUTION FOR FIXED INSTALLATIONS AND VENUES.

2 TO 24 CHANNELS



MADE IN FRANCE

These wall-mount 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.



DIRECT OR LOW VOLTAGE CONTROL

These 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.



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.



DESIGNED FOR FIXED INSTALLATIONS

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

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

-
- » *Individual or group control of electric hoists with a capacity ranging from 250 to 2000 kg.*
 - » Thermal-magnetic circuit breakers to protect hoists from surges and short-circuit.
 - » E-stop button with key, allowing an immediate group stop if a dangerous situation occurs.
 - » Phase indicator LEDs to check your power supply input.
 - » Robust metal enclosure with black epoxy coating.
 - » Cable glands at the top or bottom to suit the configuration of your installation.
 - » Power input : hard-wired 3P+N+E 32A | Power rating 380~415V / 3 Ph / 47~63 Hz
 - » Output : hard-wired 3P+E 16A

DIGITAL FLIGHT CASE

THE ULTIMATE TOURING SOLUTION : FLEXIBLE, STRONG, POWERFUL.

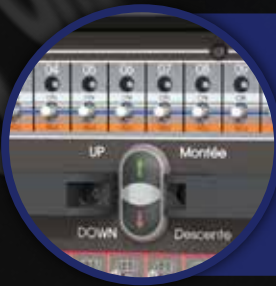
12 CHANNELS



MADE IN FRANCE

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 updates. It has not only flexible control and connection possibilities, but small features that make all the difference when the schedule is tight !



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



PHASE REVERSAL SWITCHES

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.



LOCAL OR REMOTE CONTROL

A switch allows you to select between the 2 control modes and the remote comes with a 15 meters cable as standard, offering the same hoist selection capabilities.

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

-
- » Individual or group control of 12 DC hoists with a capacity ranging from 250 to 1000 kg.
 - » Controllers can be linked with our digital link system for 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 function by-pass.
 - » 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.
 - » Automatic phase alignment of the power input
 - » CEE, Harting and Socapex outputs to suit every configuration.
 - » 13U flight case on wheels with a drawer to store the remote and cable.
 - » AUX 230V power output for laptop, phone, coffee machine...

MASTER REMOTE

EFFORTLESS MANAGEMENT OF LARGE INSTALLATIONS

24 / 48 / 72 CHANNELS

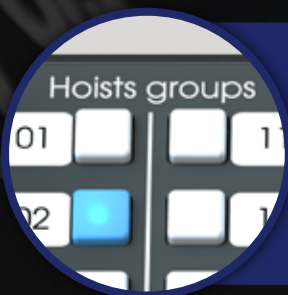


MADE IN FRANCE

Conveniently take control of one or several linked controllers with our master remote !

Use group buttons to swiftly recall different hoist selections that you can configure in advance or on the go.

Work without boundaries thanks to our optional wireless module.



GROUP MANAGEMENT

Recall your different loads and areas without hassle !

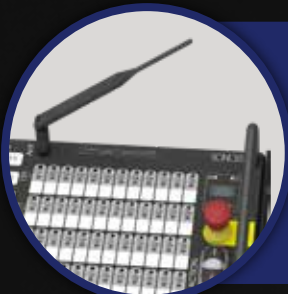
The user can store, recall and delete up to 20 groups directly from the remote using dedicated RGB backlit buttons.



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.



WIRED OR WIRELESS OPERATION

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.

-
- » E-stop button with key, allowing an immediate group stop if a dangerous situation occurs.
 - » A small OLED screen with 4 buttons for settings and information messages.
 - » Backlit RGB buttons and channel indicators for clear operations.
 - » Program and name your groups in advance using our PC software.
 - » Internal lithium battery for long lasting work session and lifespan.
 - » 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 adaptater available to charge your remote using an external power source.

CLASSIC FLIGHT CASE

THE STANDARD SOLUTION FOR RENTAL COMPANIES.

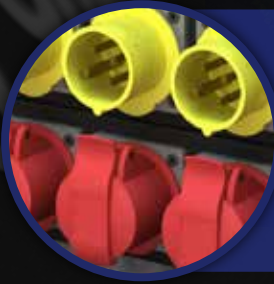
2 TO 16 CHANNELS



MADE IN FRANCE

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.



DIRECT OR LOW VOLTAGE CONTROL

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

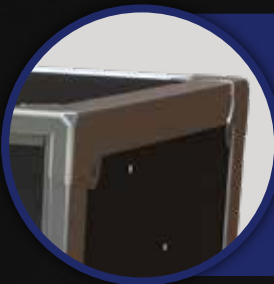
Direct control hoists use the same cable for power and control whereas low voltage hoists use two separate cables.



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.



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 !

-
- » Individual or group control of electric hoists with a capacity ranging from 250 to 1000 kg.
 - » Thermal-magnetic circuit breakers to protect hoists from surges and short-circuit.
 - » E-stop button with key, allowing an immediate group stop if a dangerous situation occurs.
 - » Phase indicators LEDs (all) with automatic phase alignment of the input (remote versions).
 - » Sturdy wooden case with reinforced metal corners, handle(s) & storage space at the back.
 - » Power rating: 380~415V / 3 Ph / 47~63 Hz
 - » Power input: CEE / 32A / 3P+N+E
 - » Output: CEE / 16A / 3P+E

CASE

AFFORDABLE AND EASY TO CARRY, A SMART CHOICE FOR ANY RIGGER.

2 TO 8 CHANNELS



MADE IN FRANCE

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.



DIRECT OR LOW VOLTAGE CONTROL

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

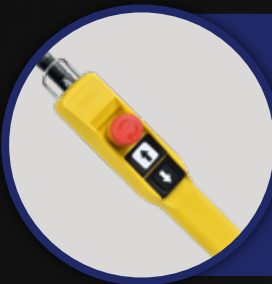
Direct control hoists use the same cable for power and control whereas low voltage hoists use two separate cables.



LINK SYSTEM FOR GREATER 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 further in this brochure



REMOTE WITH OVERALL CONTROL

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

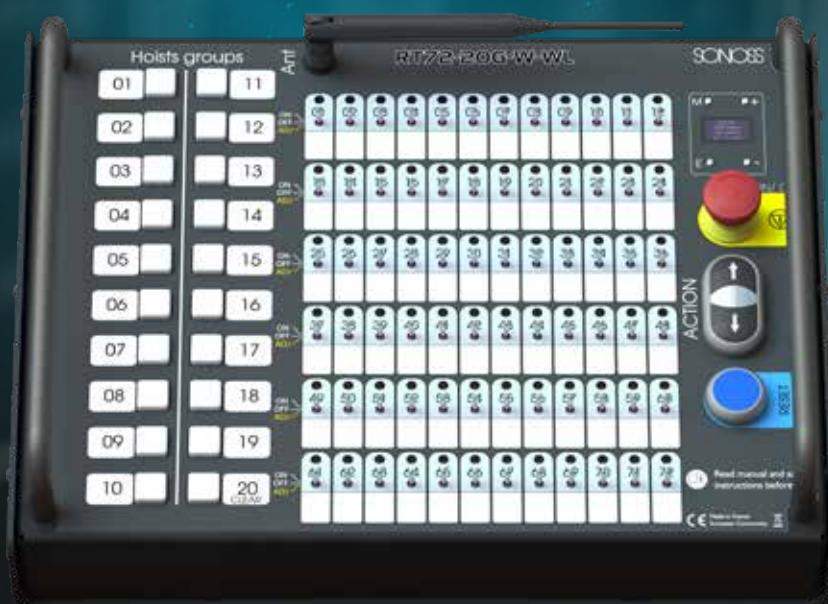
The remote comes with a 15 meters cable as standard and connects to the 'Link In' XLR-10 connector of the controller.

-
- » Individual or group control of electric hoists with a capacity ranging from 250 to 1000 kg.
 - » Thermal-magnetic circuit breakers to protect hoists from surges and short-circuit.
 - » E-stop button with key, providing an immediate group stop if a dangerous situation occurs.
 - » Phase indicators lights (all) with automatic phase alignment of the input (low voltage only).
 - » Strong, waterproof and impact resistant ABS case and galvanized steel internal frame.
 - » The 4 channels version has the option of having an extra Harting or Socapex connector.
 - » An optional link system is available for simultaneous operation of several controllers.
 - » The link system also allow the use of an optional a remote pickle.
 - » Power rating: 380~415V / 3 Ph / 47~63 Hz
 - » Power input: CEE / 32A / 3P+N+E
 - » Output: CEE / 16A / 3P+E



WIRELESS CONTROL

A DEEPER LOOK INTO OUR TECHNOLOGY



HOW DOES IT WORK ?

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 !



SAFETY FIRST !

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.



SIMPLE CABLING

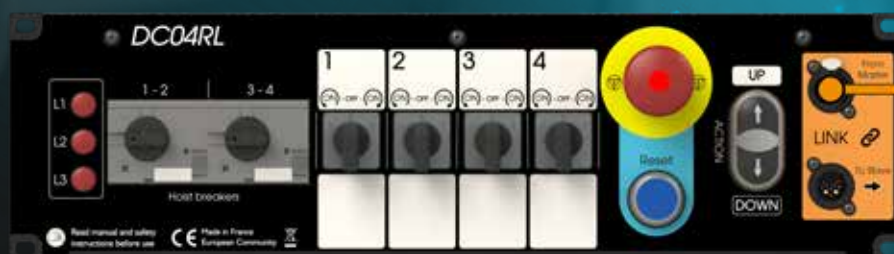
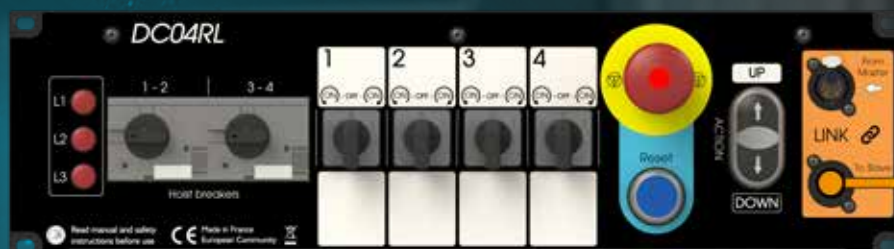
We use only one type of shielded cable for all our connections, keeping your inventory easy to manage.

If your battery goes low, connect it to the controller to operate as a wired remote while charging.



DIGITAL LINK SYSTEM

A DEEPER LOOK INTO OUR TECHNOLOGY



HOW DOES IT WORK?

Control more channels simultaneously by linking our controllers.

Simply plug the cable from one controller to another. The first controller becomes a master and your system operates as one.



SAFETY FIRST!

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.

SIMPLE CABLING

We use only one type of shielded cable for all our connections, keeping your inventory easy to manage.

If you have a wired or a wireless remote, simply connect it to the first controller to use it as the master.



ACCESSORIES

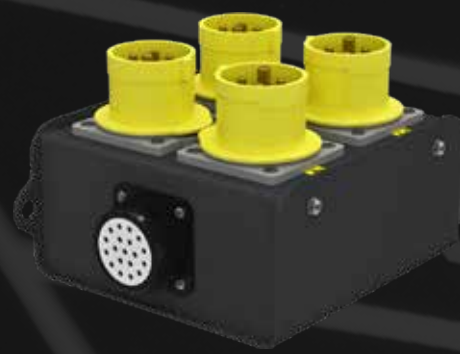
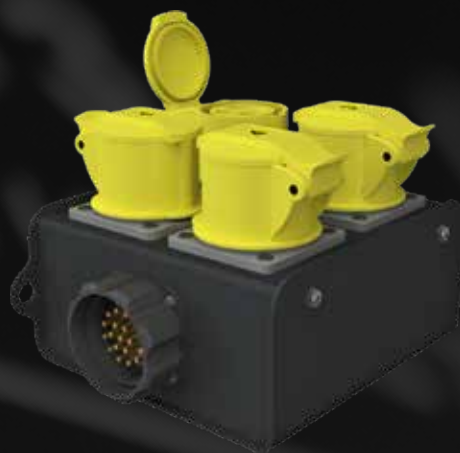
ALL YOU NEED TO CONNECT YOUR CONTROLLER AND HOISTS TOGETHER



MADE IN FRANCE

Our range of accessories offers hoist power and control cables, as well as break out cables and truss mountable break-out boxes.

Available with different lengths and connectors, we sure got you covered !



CUSTOM SOLUTIONS

CONTROLLERS TAILORED TO YOUR APPLICATION

YOUR SPECS

Your business is unique and requires a special solution ?

We've got you covered ! Tell us more about your needs and choose the channel count, type of control, format or any special feature that would make your life easier.

3D DESIGN

We use SolidWorks for the mechanical design and Altium Designer for the electronics to design the controller you need.

This allows us to anticipate issues before they even happen, and you to validate every aspect of your product before the production starts.





SINGLE UNIT OR SERIES

Do you want a product that looks exactly like you ?

We can make it happen with custom serigraphy and OEM solutions.

Whether you need a unique controller for this one job, or a small or large batch to standardize your inventory, we will be able to meet your requirements !



RENTAL COMPANY

MPM AUDIOLIGHT

CASE STUDY



MPM wanted to give extra rigging capabilities to their sound racks going on tour.

They required a controller that could integrate in these rack, using the spare space that they usually have. They also needed the ability to link the controller and operate them locally or remotely.

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



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.

PRODUCT LIST

FIND HERE ALL OUR STANDARD PRODUCTS AVAILABLE FOR ORDER



PRODUCT	CONTROL TYPE	HOIST TYPE	CHANNELS	REFERENCE
DIGITAL WALL-MOUNT	LOCAL & REMOTE CONTROL	DC HOISTS	12	UMCDC12DWHYB
			24	UMCDC24DWHYB
			36	UMCDC36DWHYB
			48	UMCDC48DWHYB
		LVC HOISTS	12	UMCLV12DW
			24	UMCLV24DW
			36	UMCLV36DW
			48	UMCLV48DW
MASTER REMOTE	WIRED		12	DR12W
			24	DR24W-G
			48	DR48W-G
			72	DR72W-20G
	WIRELESS		12	DR12W-WL
			24	DR24W-WL-G
			48	DR48W-WL-G
			72	DR72W-WL-20G
ACCESSORIES	Wireless module			UMCRTX1
	Remote cable 15m			UCLINK8+2_15
	AC Adaptor			UMDCHARGEUR24
CLASSIC WALL-MOUNT	LOCAL CONTROL	DC HOISTS	2	UMC02VW
			4	UMC04VW
			6	UMC06VW
			8	UMC08VW
			12	UMC12VW
			16	UMC16VW
			24	UMC24VW
		LVC HOISTS	2	UMC02W
			4	UMC04W
			6	UMC06W
			8	UMC08W
			12	UMC12W
			16	UMC16W
			24	UMC24W
	REMOTE CONTROL	DC HOISTS	2	UMC02ADVW
			4	UMC04ADVW
			6	UMC06ADVW
			8	UMC08ADVW
			12	UMC12ADVW
			16	UMC16ADVW
			24	UMC24ADVW
		LVC HOISTS	2	UMC02ADW
			4	UMC04ADW
			6	UMC06ADW
			8	UMC08ADW
			12	UMC12ADW
			16	UMC16ADW
			24	UMC24ADW

PRODUCT	CONTROL TYPE	HOIST TYPE	CHANNELS	REFERENCE
DIGITAL FLIGHT CASE	LOCAL & REMOTE CONTROL	DC HOISTS	12	UMC12TD
MASTER REMOTE	WIRED		12	DR12W
			24	DR24W-G
			48	DR48W-G
			72	DR72W-20G
	WIRELESS		12	DR12W-WL
			24	DR24W-WL-G
			48	DR48W-WL-G
			72	DR72W-WL-20G
ACCESSORIES	Wireless module			UMCRTX1
	Link cable 1m			UCLINK8+2_1M5
	Remote cable 15m			UCLINK8+2_15M
	Remote cable 30m			UCLINK8+2_30M
	AC Adaptor			UMDCHARGEUR24
CLASSIC FLIGHT CASE	LOCAL CONTROL	DC HOISTS	2	UMC02VF
			4	UMC04VF
			6	UMC06VF
			8	UMC08VF
			12	UMC12VF
			16	UMC16VF
		LVC HOISTS	2	UMC04F
			4	UMC06F
			6	UMC08F
			8	UMC12F
	REMOTE CONTROL	DC HOISTS	12	UMC16F
			16	UMC02ADVF
			2	UMC04ADVF
			4	UMC06ADVF
			6	UMC08ADVF
			8	UMC12ADVF
			12	UMC16ADVF
			16	UMC04AD-4F
		LVC HOISTS	2	UMC06AD-4F
			4	UMC08AD-4F
			6	UMC12AD-4F
			8	UMC16AD-4F
			12	UMC12ADW
			16	UMC16ADW

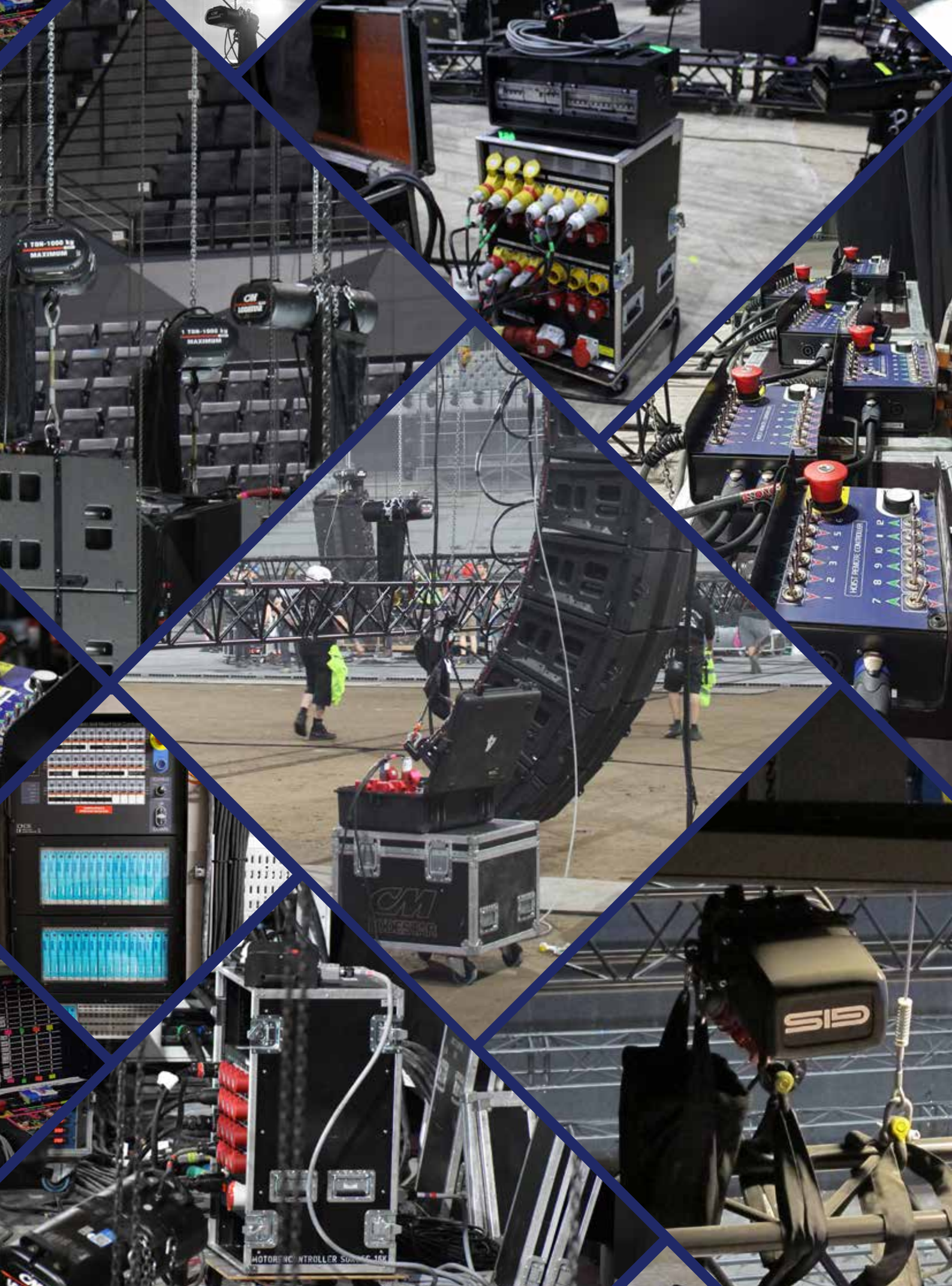


CASE CONTROLLERS

CHANNELS	HOISTS TYPE	CONNECTOR TYPE	LINK SYSTEM	REFERENCE
2 CHANNELS	DC HOISTS	CEE	NO	DC02V
			YES	DC02VLG
	LVC HOISTS		NO	LV02V
			YES	LV02VL
4 CHANNELS	DC HOISTS	CEE	NO	DC04V
			YES	DC04VLG
		CEE + HARTING	NO	DC04VH
			YES	DC04VHLG
		CEE + SOCAPEX	NO	DC04VS
			YES	DC04VSLG
	LVC HOISTS	CEE	NO	LV04V
			YES	LV04VL
6 CHANNELS	DC HOISTS	CEE	NO	DC06V
			YES	DC06VLG
	LVC HOISTS	CEE	NO	LV06V
			YES	LV06VL
8 CHANNELS	DC HOISTS	CEE	NO	DC08V
			YES	DC08VLG
ACCESSORIES	Link cable 1m			UCLINK8+2_15M
	Wired remote 15m			UCLINK8+2_1M5

ACCESSORIES

PRODUCT	CONNECTOR IN TYPE	CONNECTOR OUT TYPE	LENGTH	REFERENCE
BREAK-OUT BOX	HARTING MALE	4X CEE RED FEMALE		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	1m	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
CABLE	CEE RED		5 to 30m	DC-CAB-5 ... 30
	CEE RED + YELLOW		5 to 30m	LV-CAB-5 ... 30
	CEE BLUE + YELLOW		5 to 30m	SP-CAB-5 ... 30
	HARTING		5 to 30m	HT-CAB-5 ... 30
	SOCAPEX		5 to 30m	SC-CAB-5 ... 30



SONOSS

LOUIS REYNERS

EXCELS IN HOISTING, LIFTING AND FALL PROTECTION



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