

Second-Generation Control System





We want you to be great

Hiab Multilift is all about your business, and how you can get most work done when using our hooklift. Our mission is to give you maximum uptime by providing a product which is durable, easy to use and lets you do more in less time.

Centred on these three main factors, the Second-Generation Control System handles all functions and safety features of the hooklift.

At the heart of the control system is the Second-Generation Cab Controller, your device to operate the hooklift. We know working conditions in the truck cab can be tough, with extreme heat, moisture, dust and even sub-zero temperatures. With this in mind, the Second-Generation Cab Controller has been designed using extensive laboratory tests and field-testing together with our customers.

Safety has always been Hiab Multilift's number one priority. The Second-Generation Control System guarantees safety during operation, allowing you to get on with your daily tasks. Safe products protect the operator as well as bystanders, and ensure greater efficiency in the long term.

Comfort is also a key factor in productivity and safety. Thanks to the Second-Generation Control System all you have to do is move the joystick, sit back and watch the hooklift load and unload in one single movement.

And then there is speed. You can configure your Second-Generation Control System to create one of the fastest hooklifts on the market, without compromising safety.

This is our pledge – and our way of making you great.

Our customers are our most valued assets

Since the end of the 1940s, Hiab Multilift's mission has been to make customers' lives easier, safer and more efficient. That is when we produced our first cable lift, and this is what our customers have to say about our products today – more than 60 years later.

John Gosling, director of TJ Waste & Recycling Limited, has just ordered four brand new Multilift XR26S hooklifts, and the reason is simple:

“They work! One of our Multilifts has been running without problems for seven years now.”

The demountables have been tried and tested in tough environments and John Gosling has compared Hiab Multilift to its competitors – and he has no doubts about his choice.

“Uptime is important to us. Multilift just makes us more efficient,” he adds.

However, there is more to this job than just uptime, speed and strength. Bins need to be placed in the right position at the right time, and, perhaps most importantly, in a safe manner. To handle these demands, drivers need a hooklift that is safe and easy to use. Safety is paramount both for Hiab Multilift and TJ Waste & Recycling Limited.

“Nothing is more important. At the end of the day we have to be sure that we have made the right choices,” says John Gosling.



**John Gosling, director of
TJ Waste & Recycling Limited**

Håkan Lundin first started using hooklifts back in 1986, starting his own business in 2006. Håkan has years of experience and knows what it takes to succeed in the transport business.

“First and foremost, we have to keep our promises to our customers.”

And Håkan Lundin certainly keeps his promises.

When the company started up it used a single truck with hooklift, and today it owns five, with a sixth on the way. Each one is equipped with Hiab Multilift hooklifts – Håkan's favourite is the XR20SL.

“The jobs we do require a broad skillset and a sensitive hand on the controls.”

The company's assignments also require Håkan to be able to operate both day and night – with little or no interruption. In the end, it all comes down to trusting his equipment.

“We are able to stay true to our customers. Thanks to Hiab Multilift's quality and service availability, we have been able to grow as a company.”



**Håkan Lundin, director of
H Lundin Entreprenad AB**



Nothing can stop the Second-Generation Cab Controller.

Thanks to top-quality electronics and a high-grade plastic casing it is designed to handle any conceivable climate and situation.

The heart of the Second-Generation Control System

The Second-Generation Cab Controller lies at the heart of the Second-Generation Control System. Thanks to the multiple-position, highly responsive joystick you can control all the functions in the XR Power and XR Low-built ranges using just one finger.

Just move a finger

All the main movements of the hooklift can be controlled with the joystick by simply selecting one of the three available positions. The joystick controls the main cylinder movement of the basic hooklift with the traditional Hiab Multilift two-speed control (normal and slow speed). Together with optional features you can control the speed of the main cylinders proportionally.

Long lifespan

The Second-Generation Cab Controller has undergone rigorous trials at our research and development laboratory as well as field-testing together with our customers. The result is a casing consisting of weather-resistant high-grade automotive plastics and top quality electronics.

Your safety is our responsibility

Faulty movements have been virtually eliminated thanks to built-in safety circuits and load holding valves mounted directly on the cylinders. The Second-Generation Control System warns you with an in-built buzzer and LED-lights if there is a safety conflict.

Upgrade and improve

Thanks to the Programmable Logic Control (PLC) operating system we can constantly develop and upgrade the system with new features and benefits.

Get home safe-mode

Thanks to the Second-Generation Control System, you can always return the hooklift to the transport position, without leaving the safety of the cab.



Code indication

A code appears on the display if a movement or operation is not allowed. Codes are shown on the display and relate to the safety interlocks that are in-built to protect people and equipment. Thanks to fault codes – also shown in the display – it is easy to troubleshoot the equipment.

Safety at night

You can easily identify the right button you need to press, even at night. Buttons are clearly illuminated when active and automatically dim after an inactive period of 30 seconds so as not to distract you when driving. Both active and inactive brightness levels can be set.



Simultaneous movements

The side-mounted buttons operate additional functions of the hooklift, for example, Fast Speed controls. The buttons also allow you to operate two hooklift movements simultaneously using one hand. This feature is ideal when unloading onto a trailer or platform to keep the angle low, with the hooklift constantly moving.

Increase your efficiency

The Second-Generation Control System has a number of options that make your operations more efficient. Fast Lowering, Fast Tipping and Fast Speed cut operational time by a third and reduce fuel consumption.

Programmable buttons

Ten function buttons can be programmed to meet your specific requirements. They can operate the hooklift or additional truck mounted equipment, for example, an extendable Under Run Bar.

One-handed operations

Together with industry leading designers we have created a Second-Generation Cab Controller that is comfortable and optimised for one-handed operations. In addition, it is easy to use even with gloves on.

Power at your fingertips

The Automatic Sequence Control option makes it easy for you to load and unload in one single movement. Just move the joystick, sit back and watch the hooklift do its job.

Less noise and wear

The Friction Relief option automatically lifts the middle frame and the front of the body slightly during horizontal movement. This eliminates vibration and noise resulting from friction between the body and the sub-frame.



Applications

No matter what area you work in, you can benefit from the Second-Generation Control System.

Waste and recycling

The Second-Generation Control System has a range of features and options that help improve profitability in the waste and recycling segment. One example is Fast Speed, allowing you to do more work in less time.

Fire and rescue services

Thanks to the Automatic Sequence Control option it is easy for less experienced drivers to operate the hooklift. In addition, you can operate vehicle recovery systems and special appliances, for example, Hose Recovery Units, via the Second-Generation Control System.

Building and construction

Tough working conditions require tough equipment, and the high quality components of the Second-Generation Control System meet these demands. Friction Relief reduces the noise level when handling heavy loads and extends the lifespan of the equipment. The Fast Tipping and Fast Lowering options cut operational time by a third.



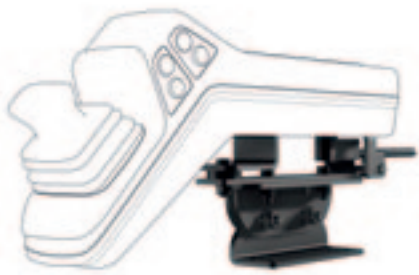
Accessories

Four different brackets are available as accessories to the Second-Generation Cab Controller. The brackets help maximise the full potential of the ergonomic design and allow you to place the Second-Generation Cab Controller almost anywhere in the cab. The standard fixed bracket can be installed to the base of the cabin and allows you to operate the hooklift with the Second-Generation Cab Controller in place.



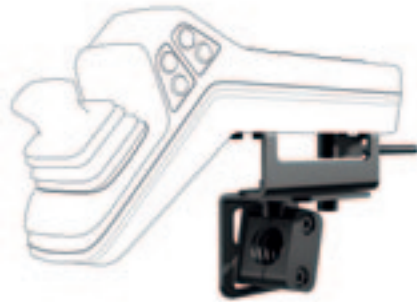
Dashboard harness 10 m

The dashboard harness is used to activate additional warning lamps mounted on the dashboard. As many as four warning lamps can be controlled from the same harness. The dashboard harness can be easily connected to the Second-Generation Cab Controller using the available M12 connector.



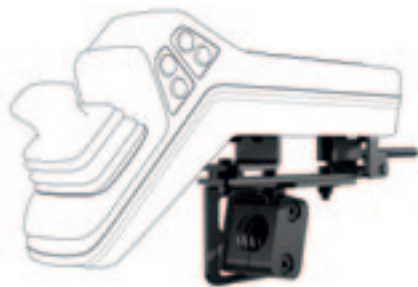
Basic removable bracket

Mounted like the standard bracket, but with the option to remove the Second-Generation Cab Controller, hold it with one hand and operate it with the other.



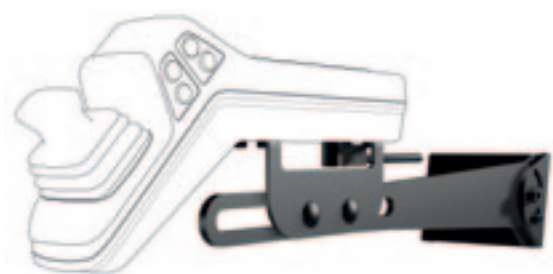
Fixed handle bracket

This mounting bracket can be installed to the handle bar of the truck. Its position makes it easy for the operator to reach the Second-Generation Cab Controller.



Removable handle bracket

When removed from the handle, you can hold the Second-Generation Cab Controller with one hand and operate it with the other.



Armrest bracket

This mounting bracket can be installed to the driver's seat or the handle bar located to the side of the seat. The ergonomics of this design improve the sitting position for the operator. The bracket can be easily lifted up when not in use.



“I have always worked with Hiab Multilift and wouldn't want to work with any other brand”

*Thomas Schulz, manager of LHC Lausitzer
Containerdienst Holzhausen in Germany*

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