LOGICDATA
MOTION FOR YOUR LIFE

OPTIMUS Frame
Original User Manual

White

Black

Silver

OPTIMUS Frame - Original User Manual

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1 INTRODUCTION AND GENERAL PRODUCT INFORMATION

Before starting the system, read these instructions carefully – especially safety instructions. Keep the instructions in a safe place for future reference. Pass them on to other users of the system.

1.1 INTRODUCTION

With this product, every effort has been made to ensure your comfort and safety. Each adjustable frame is tested to comply with all relevant safety standards and their requirements.

This User Manual is intended for the manufacturer of the equipment or system (OEM), and serves as a resource for the installation, operation, and maintenance the LOGICDATA frame system it depicts. It is important that manufacturers of the end-user product ensure that any relevant safety information in this manual is communicated effectively to the end user

The manufacturer or distributor of the final machinery must ensure that this partly incomplete machinery must not be put into service until the final machinery into which it is to be incorporated has been declared in conformity with the safety requirements of the Machinery Directive, 2006/42/EC where appropriate (CE conformity assessment).

It is their responsibility to carry out the conformity assessment, set up the technical file, issue the EU declaration of conformity, and affix the CE marking to a product.

Misuse of the product or operation outside of the intended usage outlined in these instructions may result in hazardous conditions. The chapter on „Safety Instructions (Warnings)" provides detailed information on potential hazards, their potential consequences, and the necessary precautions for avoiding harm.

Non-recommended installation or usage of LOGICDATA products and systems can negatively impact performance and longevity. Unauthorized personnel may not disassemble or alter products.

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1.2 INTENDED USE

This electrically height-adjustable desk base is only intended to be used in order to adjust the height of a table top to a user-defined height. Intended use may take place in offices, administrative rooms, as well as in private lockable workrooms.

- Prevent unauthorized operation of the height adjustment by children.

1.3 REASONABLY FORESEEABLE MISUSE

Usage outside of the intended use for this product could lead to minor injuries, serious injuries, or even death. Reasonably foreseeable misuse of the system includes, but does not extend to:

- Using the system as a climbing or lifting aid for people or animals.
- Connecting unauthorized products to the table system. If you are unsure if a product can be used with the system, contact LOGICDATA for further information.
- Overloading the table system.

2 IMPORTANT INFORMATION

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⚠ DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠ WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
⚠ NOTICE	Indicates a situation that will not lead to personal injury, but could lead to damage to the product or the environment.

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3 SAFETY INSTRUCTIONS (WARNINGS)

Read all instructions before using this product.

⚠ DANGER	**To reduce the risk of electric shock** Always unplug this furnishing from the electrical outlet before cleaning or servicing.
⚠ WARNING	This device can be used by children age 8 or older and by persons with, physical, sensory or mental disabilities or by those who lack experience and knowledge if they are supervised or were instructed on the safe use of the device and understand the resulting dangers. Children must not play with the device. Children must not clean or service the device without supervision

⚠ WARNING **To reduce the risk of burns, fire, electric shock, or injury to persons**
If the electrical components of the system are exposed to liquids, excessive heat, or other potentially damaging external influences, this may lead to injury through electric shocks, fires or other malfunctions.

- Unplug from outlet before putting on or taking off parts.
- Close supervision is necessary when this furnishing is used by, or near children or people with disabilities.
- Use this furnishing only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.
- Never operate this furnishing if it has a damaged cord or plug, if it is not working properly, or if it has been dropped or damaged.
- Keep the cord away from heated surfaces.
- Do not use outdoors.
- Do not spill liquids onto the handset or power hub.
- Keep the system away from places exposed to direct sunlight.
- Unplug the power cord in case of smoke, smell or unusual noise.
- Do not operate the table system in potentially explosive atmospheres.
- Do not operate the table system if it is malfunctioning.
- Disconnect the power cable if malfunctions occur.

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⚠ **WARNING**   **Risk of injury through operating damaged products**
If the system is damaged, it may no longer be safe to use. Continuing to operate damaged products entails a risk of injury. Caution must be exercised to avoid system damage, especially to cables.

- Ensure interconnecting cables are run loosely.
- Ensure all lines and cables are routed to avoid mechanical damage.
- Ensure cables are routed to allow height adjustments without damage to the wiring.

⚠ **WARNING**   **Risk of injury through crushing, pinching or other impact**
If body parts become trapped inside the mechanisms of the table, or between the table and other objects, this may lead to injury through crushing, pinching and other impact.

- Do not adjust the table height if there are persons in the danger area.
- If an obstacle is encountered, or there are functional errors, stop adjustment immediately.
- Make sure adjacent objects are placed at a minimum distance of 25 mm from the table to prevent them from being squeezed or sheared.
- Make sure that there are safety gaps of at least 25 mm for movable parts. This also applies to elements that attached above or below the table, hanging from nearby walls, or building fixtures, such as open windows.

⚠ **WARNING**   **Risk of injury through unauthorized repairs**
Unauthorized opening and improper repairs can cause danger and void the product warranty. Unauthorized or unskilled personnel may not have the ability to avoid injury while attempting to open or make changes to the product. This may lead to injury through electric shocks, burns, or crushing.

- Never attempt to open the enclosure of the power hub.
- Only replace damaged components with original parts.

Save these instructions!

4   OPTIMUS FRAME DESCRIPTION

The OPTIMUS Frame is a versatile, high-quality table frame designed for the needs of OEMs. With outstanding technology and design, you can use it as the base to create ergonomic systems that meet your needs exactly. The OPTIMUS Frame's customization options contribute to a highly-adaptable product: Choose from a variety of leg designs and foot styles, hand controls, and colors to create unique adjustable desks. The frame is powered by LOGICDATA's premium inline drive technology, which ensures reliability, modularity, and ease of assembly thanks to pre-assembled columns. Its hidden cabling and electronics make for a sleek, professional finish. Whether you're looking for a two-leg, three-leg, or benching solution, the OPTIMUS Frame has you covered.

1	2x Side Profile
2	2x Traverse
3	1x Length Adjustment
4	2x Column
5	2x Foot
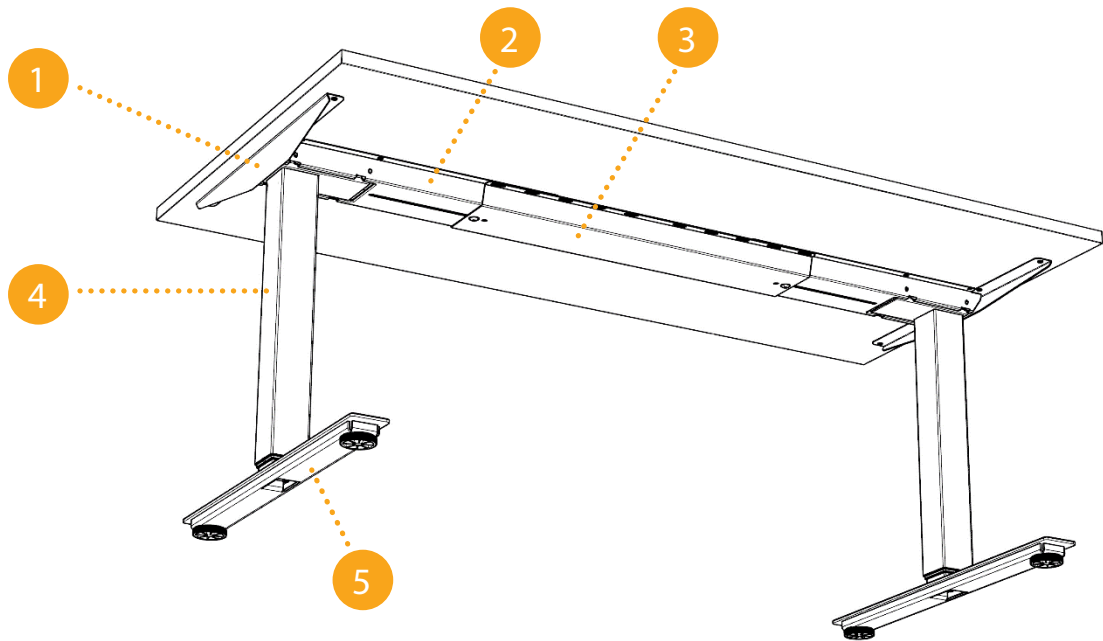
Fig. 1: OPTIMUS Frame 2-leg Version overview

5   TECHNICAL DATA

Lifting capacity (of the frame, without tabletop)	Up to 120 kg (evenly loaded)
Product weight	≤ 28,50 kg
Adjustment range (without tabletop)	623 mm (± 5 mm) – 1283 mm (± 5 mm)
Stroke	660 mm
Adjustment speed	Up to 60 mm/sec
Ambient conditions during transport and storage	Temperature between -35 °C and 80 °C Temperature over 50 °C only for periods not exceeding 72 h Maximum relative humidity between 95% and 5% (lower allowed)
Ambient conditions during operations	Temperature between 5 °C and 40 °C Maximum relative humidity between 95% and 68% (lower allowed)
Input voltage	220-240 V 50-60 Hz
Rated input current	2 A
Duty cycle	1 min. ON / 9 min. OFF
Standby power	0,1 W
Noise	<60 dBA

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6   ASSEMBLY INSTRUCTIONS

⚠ **WARNING**   The plastic packaging of the product is a potential suffocation hazard. Leaving children or animals unsupervised with the empty packaging may lead to death through suffocation.

- Dispose of the plastic packaging immediately after unpacking the components.

⚠ **CAUTION**   Contact with sharp edges may lead to minor or moderate injury through cutting.

- Avoid contact with sharp edges.

⚠ **NOTICE**   Ensure all parts are at room temperature. Do not use a knife or a sharp object to unpackage the product. Do not place parts directly onto a hard floor. Use the cardboard packaging material to cushion the impact.

Make sure that the frame is even. Use the levelers on each foot to make any necessary adjustments.

For complete assembly instructions, refer to "OPTIMUS Frame Assembly Instructions".

7   OPERATION INFORMATION

7.1   PERFORM AN END POSITION RESET

Once assembly is complete, you will need to perform an end position reset in order to use the table. The reset also fixes some issues, for example if the table is uneven or if the tabletop only moves downwards. To reset:

1. Press and hold the DOWN key until the table stops at the lower position limit.
2. Release the DOWN key.
3. Press and hold the DOWN key again.
4. The table will move down slightly, then up again.
5. Release the DOWN key.

The end position reset procedure is complete.

7.2   OPERATION OF THE OPTIMUS FRAME

The operation of the table system depends on which handset is installed. Handsets are split into two categories: Comfort and Basic.

7.2.1   BASIC HANDSET AND BASIC HANDSET WITH DISPLAY
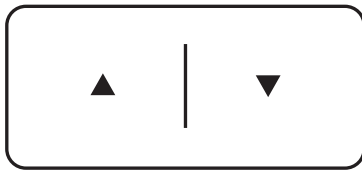
Basic handsets consist of the following elements:

▲	UP key
▼	DOWN key

Fig. 2: Example of Basic Handset

7.2.2   COMFORT HANDSET

Comfort handsets consist of 5 key elements:

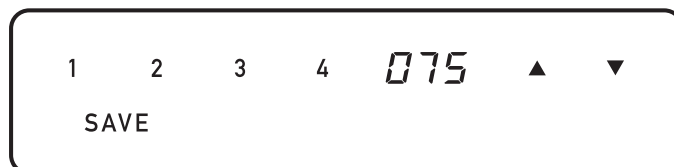|	
▲	UP key
▼	DOWN key
1	Memory position key 1
2	Memory position key 2
3	Memory position key 3
M SAVE	Save key
	Display

Fig. 3: Example of Comfort Handset

7.3 ADJUST THE TABLE TOP HEIGHT

7.3.1 TO MOVE THE TABLETOP UP

Press and hold the UP key until the desired height has been reached.

7.3.2 TO MOVE THE TABLETOP DOWN

Press and hold the DOWN key until the desired height has been reached.

7.4 SAVE A MEMORY POSITION

This function saves a set table top position. One memory position can be saved per memory position key.

▲ ▼	1. Move the table to the desired height.
M SAVE	2. Press the SAVE key.
2	3. Press the memory position key (e.g. 2).
5 2	▶ The display shows S, followed by the number you pressed.
7 3	▶ After about two seconds, the tabletop height is displayed again. This indicates the memory position has been saved.

7.5 ADJUST TO A SAVED MEMORY POSITION

2	1. Press and hold the required memory position key (e.g. 2).
	2. Wait for the table to reach the desired height.
2	3. Release the memory position key.
	▶ The frame will move until the saved height has been reached.
	▶ If you release the key before the memory position is reached, or press another key, the table will stop. To continue, you must select the memory position again.

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8 TROUBLESHOOTING AND SERVICE

8.1 CLICK CODES

The control box in your table system uses "clicks" to inform you about the system status and the reason for the last shutdown. Possible signals are as follows:

CLICKS	MESSAGE
2x	Normal operation: The system is working normally.
1x	Emergency operation: The system is in emergency operation mode. The actuators cannot be used. Check the error code. If a basic handset (without display) is used, the following procedure applies: 1. Unplug the control box to turn it off and then plug it in to turn on again. If the error persists: 2. Perform an end position reset procedure. If the error persists: 3. Perform a factory reset. If not successful then If the error persists: 4. Contact the manufacturer for further information.
3-6x	Last shut-off incomplete / forced reset: Check the error code. If the control box could not complete a data-saving process before power was lost, it will click 4–5 times during its next start-up and go into reset mode. Error code 81 will not be shown in this case.

8.2 ERROR CODES ON THE DISPLAY (HANDSETS WITH A DISPLAY)

If your table system is controlled by a handset with a display, system information is communicated via codes on the handset display. Possible signals are as follows:

SIGNAL	MESSAGE	REQUIRED ACTIONS
Hot The display shows "Hot".	Overheating protection has been activated.	Wait for the overheated components to cool.
The display shows an error number.	An internal error has occurred.	Read the next table to find the correct response to the error code shown.

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CODE	REQUIRED ACTIONS
E00 E01 E67	Disconnect the control box from the power. Contact the manufacturer for further information.
E12 E13	Disconnect the control box from the power. Ensure all cables are connected correctly. Reconnect the system, then operate as normal.
E24 E25 E48 E55 E62	Check that nothing is blocking the table's range of movement. Remove excess load from the table. Contact the manufacturer for further information.
E36 E37 E61 E81	Disconnect the control box from the power. Ensure all cables are connected correctly. Perform an end position reset (Chapter 7.1).
E60	Release all keys and wait for the table to move back slightly.
E70	Disconnect the control box from the power. Connect the actuators in the desired setup. Perform an end position reset (Chapter 7.1).
0 Flashes	Perform an end position reset (Chapter 7.1).

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9 MAINTENANCE AND CLEANING INFORMATION

9.1 MAINTENANCE

These maintenance instructions are intended for both professional cleaners and end users of the height-adjustable table. Do not use any aggressive substances such as gasoline, acetone, turpentine, petrol, or any solvents or abrasive cleansers.

9.2 SERVICE

We advise you to contact your supplier when moving offices or reconfiguring the workstation.

9.3 CLEANING METAL PARTS

The cleaning of colored metal components should be performed utilizing a soft, non-abrasive cloth and may require dampening with water to effectively remove surface contaminants. For more persistent stains, such as those caused by adhesives, felt tip markers, and ballpoint pens, a solution of lukewarm water and mild detergent should be employed. In instances where further cleaning is required, the use of methylated spirits may be necessary to fully remove the stains.

10 RECYCLING

Dispose of all components separately from household waste. Use designated collection points or disposal companies authorized for this purpose.

11 RELEVANT SYMBOLS

Read all instructions

Indoor Use Only

Double Isolation

12 DECLARATION OF INCORPORATION OF PARTLY COMPLETED MACHINERY

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EINBAUERKLÄRUNG FÜR EINE UNVOLLSTÄNDIGE MASCHINE
DECLARATION OF INCORPORATION OF PARTLY COMPLETED MACHINERY

Bezeichnung/Handelsname: **OPTIMUS Frame**
Denomination/Commercial Name:

Modelle: OPTIMUS-S2-a-3b-DCR-EU-c-LDS-e-f
Models:

Where:

S2 ....frame type & legs (S - sheet metal frame, 2 – two legs)
a SQ1, RS1, RE1, RD1
            (Column shape: SQ1 - Square Size1, RS1 - Rounded-edged Square Size1, RE1 - Rectangular Size1,
            RD1 - Round Size1)
3 ....dual stage
b ....S or R
            (Orientation: S-Standard (TED - ThickEndDown), R- Reversed (TEU- ThickEndUp)
DCR .....actuator type (DCR - DCDinline regular speed)
EU ....target market
c............3 alphanumerical characters – colour definition
LDS......customer indicator (LDS - Logicdata Standard)
e............2 digits (0-9) - special configuration (00 – Logicdata Standard)
f............2 digits (0-9) - reserved for internal information

Funktion: Das Produkt ist ein elektrisch höhenverstellbares Tischgestell für den Office Bereich
Function: The product is an electrically height-adjustable office table base

einschlägige EU Bestimmungen:
relevant EU directives:

Maschinenrichtlinie (MRL)	2006/42/EG
Machinery Directive (MD)	*2006/42/EC*
Richtlinie zur Beschränkung gefährlicher Stoffe (RoHS)	2011/65/EU
Restriction of Hazardous Substances (RoHS)	*2011/65/EU*

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Die unvollständige Maschine entspricht folgenden grundlegenden Sicherheits- und
Gesundheitsanforderungen der Maschinenrichtlinie aus Anhang I:
*The incomplete machine complies with the following essential health and safety requirements of the
Machinery Directive from Annex I:*
1.2.1, 1.2.6, 1.3.4, 1.3.9, 1.5.1, 1.5.10, 1.5.11, 1.5.13

Die Inbetriebnahme ist so lange untersagt, bis festgestellt wurde, dass – soweit zutreffend – die
Maschine, in die diese unvollständige Maschine eingebaut werden soll, den Schutzanforderungen der
Maschinenrichtlinie 2006/42/EG entspricht.
*This partly completed machinery must not be put into service until the final machinery into which it is
to be incorporated has been declared in conformity with the safety requirements of the Machinery
Directive, 2006/42/EC where appropriate.*

Die speziellen technischen Unterlagen nach Anhang VII Teil B wurden erstellt und werden der
zuständigen nationalen Behörde auf begründetes Verlangen per Post oder elektronisch übermittelt.
*The relevant technical documentation is compiled in accordance with part B of Annex VII and this
documentation or part hereof will be transmitted by post or electronically to a reasoned request by the
national authorities.*

Deutschlandsberg, 2023-05-09

Haymo Niederkofler, VP R&D

Stefan Lukas, VP Operation

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