





DYNAMIC MOTION system

# SYSTEM manual







#### **DYNAMIC MOTION System - System Manual**

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**INFO** This manual is valid for all configurations of the DYNAMIC MOTION system







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# 1 GENERAL INFORMATION

Documentation for the DYNAMIC MOTION System consists of this Manual and several other documents. Read all documentation before assembling or operating the table system. Keep all documentation for as long as the products are in your possession. Ensure that all documentation is provided to subsequent owners. Go to <a href="https://www.logicdata.net">www.logicdata.net</a> for more information and support. This Manual may change without notice. The most recent version is available on our website.

### 1.1 OTHER APPLICABLE DOCUMENTS

This Operating Manual assumes that the reader has assembled the products in the Table System, connected the system according to the Configuration Handbook, and has read the following documents:

- DYNAMIC MOTION Configuration Handbook
- Datasheet and Operating Manual for the installed DYNAMIC MOTION Actuator
- Datasheet and Operating Manual for the installed User Interface (Handset or other)
- Datasheet and Operating Manual for the installed Power Hub (DYNAMIC MOTION Power Hub or LOGICDATA-approved external Power Supply)

#### 1.2 COPYRIGHT

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After purchase and full payment of the product, all text and images in <a href="Chapter 2">Chapter 2</a>, "Safety", may be used free of charge by the customer for 10 years after delivery. They should be used to prepare end user documentation for height-adjustable table systems. The license does not include logos, designs, and page layout elements belonging to LOGICDATA. The customer may make any necessary changes to the text and images to adapt them for the purpose of end user documentation. No part of the text and no image may be used without the prior written consent of LOGICDATA. Texts and images may not be sold in their current state, and may not be published or sublicensed digitally. The transfer of this license to third parties without permission from LOGICDATA is excluded. Full ownership and copyright of the text and graphics remain with LOGICDATA. Texts and graphics are offered in their current state without warranty or promise of any kind. Contact LOGICDATA to obtain text or images in an editable format (documentation@logicdata.net).

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# 2 SAFETY

## 2.1 GENERAL SAFETY REGULATIONS

In general, the following safety regulations and obligations apply when handling the product:

- Do not operate the DYNAMIC MOTION system unless it is in a clean and perfect condition
- Do not remove, change, bridge, or bypass any protection, safety, or monitoring equipment
- Do not convert or modify any components without written approval from LOGICDATA
- In the event of malfunction or damage, any faulty components must be replaced immediately
- · Unauthorized repairs are prohibited
- Do not attempt to replace hardware unless the system is in a de-energized state
- Only skilled persons are allowed to work on the Table System
- Ensure that national worker protection conditions and national safety and accident prevention regulations are observed during operation of the system

#### 2.2 INTENDED USE

The DYNAMIC MOTION system is a group of products intended to operate electrically Height-Adjustable Tables. It is intended for indoor use only. The system may only be installed in compatible Height-Adjustable Tables and with LOGICDATA-approved accessories. Contact LOGICDATA for further details. Use beyond or outside the intended use will void the product's warranty. Please refer to the Operating Manual of each product in the DYNAMIC MOTION system to determine its individual intended use.

#### 2.3 REASONABLY FORESEEABLE MISUSE

Usage outside of the intended use for each 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 as to whether a product can be used with the system, contact LOGICDATA for further information
- Overloading the Table System

## 2.4 EXPLANATION OF SYMBOLS AND SIGNAL WORDS

Safety notices contain both symbols and signal words. The signal word indicates the severity of the hazard.



	•	·
A	DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
A	WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
A	CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
A	NOTICE	Indicates a situation which, if not avoided, could result in damage to the product through electrostatic discharge (ESD).
	NOTICE	Indicates a situation that will not lead to personal injury, but could lead to damage to the device or the environment.
	INFO	Indicates the protection class of a device: Protection Class III. Protection Class III devices may only be connected to SELV or PELV power sources.
	INFO	Indicates important tips for handling the product.









#### 25 I IABII ITY

LOGICDATA products comply with all relevant industry standards, which are listed in the product's datasheet. However, risk can result from incorrect operation or misuse. LOGICDATA is in particular not liable for damage or injury caused by:

- Improper product use
- Accidental usage
- Clear misuse/abuse of the Table System
- Disregard of the documentation
- Unauthorized product alterations
- Improper work on and with the Table System
- Operation of damaged products
- Normal wear and tear of the Table System or its components
- Wear parts
- Improperly performed repairs
- Unauthorized changes to the operating parameters
- Disasters, external influence, and force majeure

The information in this documentation describes the characteristics of the system without assurances. Resellers assume responsibility for the LOGICDATA products installed in their applications. They must ensure their product complies with all relevant directives, standards, and laws. LOGICDATA shall not be held liable for any damage that is directly or indirectly caused by the delivery or use of this document. Resellers must observe the relevant safety standards and guidelines for each product in the Table System.

### RESIDUAL RISKS

Residual risks are the risks that remain after all relevant safety standards have been complied with. These have been evaluated in the form of a risk assessment. Residual risks associated with the operation of the system are listed here and throughout this Operating Manual. The risks associated with mounting each product to the Table System are detailed in the respective product's Operating Manual. The risks associated with connecting the products in the Table System are detailed in the DYNAMIC MOTION Configuration Handbook. See also page 5. The symbols and signal words used in this Operating Manual are listed in Chapter 2.5 on page 6.



#### Risk of death or serious injury in explosive atmospheres

Operating the system in potentially explosive atmospheres may lead to death or serious injury through explosions.

- Read the relevant directives to determine if an atmosphere is potentially explosive
- Do not operate the system in potentially explosive atmospheres



#### Moderate risk of serious injury through electric shocks

While cleaning or using the system, liquid intrusion may lead to serious injury through electric shocks.

- Do not allow any components to become wet during cleaning
- Ensure components are placed away from areas where spillages are likely to occur
- Take care not to spill liquids onto or around the system



#### Risk of injury through exposure to harmful gases

Operating the system using damaged cables may lead to overheating and the release of harmful gases. Inhaling these gases may lead to minor or moderate injury.

• Do not use damaged Cables

- Ensure that Cables are not clamped during assembly



Risk of minor or moderate injury through crushing

If any Handset Key becomes stuck while the system is in motion, the system may not stop properly. This may lead to minor or moderate injury through crushing.

Disconnect the system immediately if any Handset Key becomes stuck







## **A** CAUTION

Risk of minor or moderate injury through crushing

Self-retention (i.e. the ability of the Table System to maintain its position while stationary and in movement) is a safety issue that must be considered by all resellers. Although the DYNAMIC MOTION system was designed with measures to help prevent the Table System from slipping, the risk of uncontrolled movement is dependent on the design of the Height-Adjustable Columns and – if applicable – the installed 3rd party spindles themselves. Resultantly, LOGICDATA cannot assume responsibility for this risk. Failure to ensure self-retention may lead to minor or moderate injury through crushing between parts or by falling objects, which may be caused by unexpected movement of the Table System.

- Ensure that Height-Adjustable columns are designed with sufficient friction to prevent uncontrolled movement
- Contact LOGICDATA for further advice and design specifications



INFO

This appliance can be used by children from 8 years and above and people with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the appliance in a safe way and understand the hazards involved. Children must not play with the appliance. Cleaning and maintenance by the user must not be performed by children, unless they are over 8 years old and supervised.

No unauthorized persons (young children, persons under the influence of medications,

## 2.7 NOTES FOR RESELLERS

Resellers are companies that purchase LOGICDATA products for installation in their own products.

INFO	For reasons of EU conformity and product safety, Resellers should provide end users with an Operating Manual in their native EU official language.
INFO	Resellers must perform a risk assessment on their product that covers residual hazards. It must include measures to mitigate risk, or reference the product's Operating Manual.
INFO	The Charter of the French Language (La charte de la langue française) or Bill 101 (Loi 101) guarantees the right of the population of Quebec to conduct business and commercial activities in French. The bill applies to all products sold and used in Quebec. For table systems that will be sold or used in Quebec, Resellers must provide all product relevant texts in French. These include, but are not limited to:  Operating Manuals All other product documentation, including datasheets Inscriptions on the product (such as labels), including those on product packaging Warranty certificates The French inscription may be accompanied with a translation or translations, but no inscription in another language may be given greater prominence than that in French.
INFO	Operating Manuals must include all the safety instructions that end users require to handle the product safely. They must also include an instruction to always keep the Operating Manual in the immediate vicinity of the product.

etc.) should be allowed to handle the product.







# 3 SCOPE OF DELIVERY

Scope of delivery depends on which Table System is to be assembled, and which accessories have been chosen. Read the DYNAMIC MOTION Configuration Handbook to see the components required for your system.

# 4 ASSEMBLY

Aseembly for the DYNAMIC MOTION system is split into two parts:

- Mounting the DYNAMIC MOTION products onto/into the Table System (see Product Manual)
- Connecting the products (see Configuration Handbook)

Always ensure assembly has been completed safely and correctly before attempting to operate the DYNAMIC MOTION system.

### 4.1 PERFORMING A POSITION RESET PROCEDURE



#### Risk of minor or moderate injury through crushing

Collision Detection (ISP) is inactive during start-up and reset processes. This may lead to minor or moderate injury through crushing.

• Ensure that no persons or objects are in the table's range of motion

A Position Reset Procedure is required to complete Assembly, as well as to remedy certain malfunctions. It is possible to perform a Position Reset Procedure with all types of compatible User Interface. However, this section describes performing a Position Reset Procedure for Table Systems controlled by a Handset with an UP Key and DOWN Key (Comfort or Basic Handsets). If your DYNAMIC MOTION system is operated by a different User Interface, consult that product's operating Manual for instructions on performing a Position Reset Procedure.

•	1. Press and hold the DOWN Key until the table stops at the lower position limit
	2. Release the DOWN Key
•	<ul><li>3. Press and hold the DOWN Key again</li><li>▶ The table will move down slightly, then up again</li></ul>
	<ul><li>4. Release the DOWN Key</li><li>▶ The Position Reset Procedure is complete.</li></ul>
INFO	If your DYNAMIC MOTION system has been parameterized with additional stopping points (e.g. a Safety Area or Container Stop Position), repeat Step 3 until the table has moved upwards again.







# 5 OPERATION



#### **WARNING**

#### Risk of minor or moderate injury through uncontrolled movement

The table may not always stop exactly at the expected position. Failure to anticipate the table's movements may lead to minor or moderate injury through crushing.

Wait until the system has completely stopped before attempting to use the table



#### Risk of minor or moderate injury through unsecured objects

While the table moves up and down, unsecured objects may fall off the table and onto body parts. This may lead to minor or moderate injury through crushing.

- Ensure loose objects are kept away from the edge of the table
- Do not leave unnecessary objects on the table during movement

This section of the System Manual contains instructions for operating the DYNAMIC MOTION system. All instructions assume the reader has assembled a Table System that will be controlled by a Handset with an UP Key and DOWN Key. If your DYNAMIC MOTION system is operated by a different User Interface, consult that product's operating Manual for instructions on operating the DYNAMIC MOTION system.

The availability of some functions depends on the Handset used. This section describes two variants:

- Comfort Handsets These products have a digital display, a SAVE Key and Memory Position Keys
- Basic Handsets These products have only an UP and DOWN Key

Handset Keys are represented as follows for further description:

<b>A</b>	UP Key
•	DOWN Key
SAVE	SAVE Key (Comfort Handsets only)
1 2 3 4	Memory Position Keys (Comfort Handsets only)

#### 5.1 NOTES FOR DMUI-FASY2MOVE

The DMUI-EASY2move is a Paddle Handset that can be used to control the DYNAMIC MOTION system. It works by lifting the paddle upwards to move the table up, and by pressing it downwards to move the table down.

In the interests of clarity, specific instructions for this Handset are not included in this manual. However, in most cases, instructions for Basic Handsets can be used to operate the DYNAMIC MOTION system with the DMUI-EASY2move. To do so, you will need to make the following equivalencies.

**UP Key** - Gently lift the Paddle upwards

**DOWN Key** - Gently push the Paddle downwards

UP and DOWN Keys simultaneously - Press the SAVE Key (on the bottom of the DMUI-EASY2move).

If you have installed the DMUI-EASY2move alongside the DYNAMIC MOTION system, you are obliged to read the product's operating manual, including all relevant safety information, in full.







## 5.2 STANDARD FUNCTIONS

This section describes functions that can be performed using both Comfort and Basic User Handsets along-side the DYNAMIC MOTION system. If your DYNAMIC MOTION system will be controlled by a different User Interface, consult that product's Operating Manual for instructions and safety advice.

#### 5.2.1 ADJUSTING THE TABLE TOP HEIGHT

A CAUTION	<ul> <li>Risk of minor or moderate injury through crushing</li> <li>Your fingers may be crushed when you attempt to change the height of the table</li> <li>Keep fingers away from moving parts</li> <li>Ensure that no persons or objects are in the table's range of motion</li> </ul>
INFO	The Table Top will move up or down until the UP or DOWN Key is released, or if a pre-defined stopping point has been reached.

#### To move the Table Top UP:



Press and hold the UP Key until the desired height has been reached

#### To move the Table Top DOWN:



Press and hold the DOWN Key until the desired height has been reached

#### 5.3 ADVANCED FUNCTIONS

This section describes functions that can only be performed using Comfort User Handsets alongside the DYNAMIC MOTION system. If your DYNAMIC MOTION system will be controlled by a different User Interface, consult that product's Operating Manual for instructions and safety advice.

#### 5.3.1 SAVING A MEMORY POSITION

This function saves a set Table Top position. One Memory Position can be saved per Memory Position Key.

<b>A V</b>	1. Move the table to the desired height ( <u>Chapter 5.1.1</u> , <u>Adjusting the Table Top height</u> )
	► The display shows the Table Top height (e.g. 73 cm)
SAVE	2. Press the SAVE Key.
2	3. Press the Memory Position Key (e.g. 2)
8888	► The display shows S 2
	► After about two seconds, the Table Top height is displayed again







## 5.3.2 ADJUSTING THE TABLE TO A MEMORY POSITION

#### Version A (without double-click function):

2	Press and hold the required Memory Position Key (e.g. 2).
	The Table Top will move until the saved Table Top height has been reached. If you release the Key before the Memory Position is reached, the table will stop.
2	Release the Memory Position Key
	The display shows the Table Top height (e.g. 73 cm)
ersion B (Auto-	Movement with double-click function):
INFO	The double-click function is available only for DYNAMIC MOTION systems sold in US markets. It is not activated as standard.
INFO	If you press any Key while the table moves to a Memory Position, the Table Top will stop moving immediately. To continue, you must select the Memory Position again.
CAUTION	<ul> <li>Risk of minor or moderate injury through unauthorized modifications</li> <li>The firmware is delivered with a deactivated double-click function. If you activate thi function, the gradings of the safety functions according to EN ISO 13849-1 PL b, Categor B, are no longer valid, as the legal requirements in the standard are no longer met.</li> <li>If you activate the function, perform a new risk new assessment to meet the higher safety requirements (EN 60335-1). These cannot be met by the DYNAMIC MOTION system</li> <li>LOGICDATA is not liable for injuries or damage caused by activating the double-click function</li> </ul>
2	Double-click the required Memory Position Key (e.g. 2)
	► The table will move to the Memory Position. You do not have to hold the Key
	► The display shows the Table Top height (e.g. 73 cm)
	I.







# SOFTWARE-DEPENDENT FUNCTIONS

#### STANDARD FUNCTIONS

This section describes the software-dependent functions that can be performed by Comfort and Basic User Handsets alongside the DYNAMIC MOTION system. If your DYNAMIC MOTION system will be controlled by a different User Interface, consult that product's Operating Manual for instructions and safety advice.

#### LOW SPEED AREA

During movement, this function causes a reduction in speed before the following positions are reached:

- Maximum and minimum Table Top height
- All saved positions (e.g. Memory Positions, Container Stop Position, etc.)



Risk of minor or moderate injury through crushing

Collision Detection (ISP) is inactive in the Low Speed Area. This may lead to minor or moderate injury through crushing.

Ensure that no persons or objects are in the table's range of motion

#### SAFETY AREA 6.1.2

This function causes a safety stop at a defined Table Top height, which is set through the product's software.

<b>INFO</b> You cannot save table positions that fall within the	safety area.
--	--------------



**CAUTION** 

**Risk of minor or moderate injury through crushing**Collision Detection (ISP) is inactive in the Safety Area. This may lead to minor or moderate injury through crushing.

Ensure that no persons or objects are in the table's range of motion

You can move the table into the safety area as follows:

•
---

- Press and hold the DOWN Key
  - The Table Top is adjusted to the start of the safety area
  - The Table Top stops moving when the safety area is reached



Press the DOWN Key again to move into the safety area

#### CONTAINER STOP AND SHELF STOP POSITIONS

These features can limit the movement area of the Table Top (e.g. if a container is below the table or a shelf is above it). Container Stop Positions become the new lowest end position, Shelf Stop Positions the highest.

**INFO** 

Container Stop Positions can only be saved in the lower half of the movement area, Shelf Stop Positions in the upper half. You must set each position separately.

Proceed as follows to save a Container Stop / Shelf Stop Position with a Comfort Handset:



1. Press the UP or DOWN Key to move the Table Top to the desired position



- 2. Press and hold the SAVE Key for 10 seconds
  - The Container Stop / Shelf Stop Position is saved

Proceed as follows to save a Container Stop / Shelf Stop Position with a Basic Handset:

▲ ▼	1. Press the UP or DOWN Key to move the Table Top to the desired position
<b>A V</b>	<ul> <li>Press and hold the UP Key and DOWN Key for 10 seconds.</li> <li>► The Container Stop / Shelf Stop Position is saved</li> </ul>

Proceed as follows to delete a Container Stop / Shelf Stop Position with a Comfort Handset:







	1. Press the UP or DOWN Key to move the Table Top to the top half (to delete a She Stop Position) or bottom half (Container Stop Position) of the movement area.	
SAVE	<ul> <li>2. Press and hold the SAVE Key for 10 seconds</li> <li>▶ The Container Stop / Shelf Stop Position is deleted</li> </ul>	
Proceed as follow	s to delete a Container Stop / Shelf Stop Position with a Basic Handset:	
▲ ▼	<ol> <li>Press the UP or DOWN Key to move the Table Top to the top half (to delete a Shelf Stop Position) or bottom half (Container Stop Position) of the movement area.</li> </ol>	
▲ ▼	<ul> <li>2. Press and hold the UP Key and DOWN Key for 10 seconds.</li> <li>▶ The Container Stop / Shelf Stop Position is deleted</li> </ul>	

#### 6.1.4 FACTORY RESET

To reset the DYNAMIC MOTION System to its Factor Settings with a **Basic Handset:** 

▲ ▼	Press the <b>UP and DOWN Keys</b> simultaneously, then release	
▲ ▼	Press and hold the <b>UP and DOWN Keys</b> for 10 seconds  The LED will light up in Red	
When the LED light begins to blink, release the <b>UP and DOWN Keys</b>		
	The DYNAMIC MOTION system has now been reset to its factory settings.	

To reset the DYNAMIC MOTION System to its Factor Settings with a **Comfort Handset:** 

1 2 🔺	Press and hold the following Keys for 3 seconds:  Memory Position Keys 1 and 2  UP Key		
8888	The display shows S and a number (e.g. S 4)		
•	Press the DOWN Key until the display shows S o.		
8888	The display shows S o.		
SAVE	Press the SAVE Key.		
	The DYNAMIC MOTION system has now been reset to its factory settings.		







## 6.2 ADVANCED FUNCTIONS

This section describes functions that can only be performed by certain Comfort Handsets alongside the DYNAMIC MOTION system. Consult your User Interface's Manual for instructions and safety advice.

#### 6.2.1 KEY LOCK

<b>A</b> CAUTION	Risk of minor or moderate injury through uncontrolled movement When attempting to activate the Key Lock, pressing the Handset too forcefully may cause the table to move unexpectedly. Failure to anticipate the table's movements may lead to minor or moderate injury through crushing.  • Do not press the Handset too forcefully while activating the Key Lock
INFO	The Handset must be turned on for the Key Lock to be activated. To activate a locked Handset, press any key.
INFO	Key Lock is only available as standard on certain models. If your Handset supports Key Lock, the feature can be activated during parameterization.

Activating the Key Lock prevents you from moving the table if you accidentally press a Key. The Key Lock can be activated and deactivated by swiping across the bottom edge of the Handset. Alternatively, swipe horizontally across the left or right-hand side of the Handset (Fig.1). The display must be active for you to activate the Key Lock. To activate an inactive display, press any Key. After you have activated the Key Lock, a key is displayed on the screen (Fig.2).





Fig. 1: Activating the Key Lock

Fig. 2: Locked Handset

#### 6.2.2 CHANGING THE DISPLAYED UNIT OF MEASUREMENT (CM / ")

Most Comfort Handsets can display the height of the Table Top in both centimeters and inches. To change the displayed unit of measurement:

1 2 🔺	Press and hold the following Keys for 3 seconds:  • Memory Position Keys 1 and 2  • UP Key
8888	► The display shows <b>S and a number</b> , e.g. <b>S 7</b> .
	2. Press the button <b>UP Key</b> until the display shows <b>S 5</b> .
8888	► The display shows <b>S 5</b> .
SAVE	<ul> <li>3. Press the SAVE Key</li> <li>▶ If the display was previously set to cm, it is now set to inches.</li> <li>▶ If the display was previously set to inches, it is now set to cm.</li> </ul>







# 7 COLLISION DETECTION

Intelligent System Protection (ISP) is LOGICDATA's collision detection system. It aims to reduce the risk of system damage when using LOGICDATA products. If there is an obstacle in the operating range of a table, and the obstacle and table collide, a load change affects the DYNAMIC MOTION system. When the load change is detected, all Actuators stop immediately and move back in the opposite direction for a few seconds (see 9.2 Drive Back Function). There are two types of ISP:

Integrated ISP Sensor	Some DYNAMIC MOTION Actuators are fitted with integrated ISP Sensors as standard. No additional Sensor can be connected.
External ISP Sensor	Other DYNAMIC MOTION Actuators are not fitted with integrated ISP Sensors as standard. An additional LOGICDATA (or LOGICDATA-approved) Sensor can be connected to the Actuator.

NOTICE

If your DYNAMIC MOTION Actuator supports the use of an External Collision Sensor, assembly and connection instructions can be found in its Operating Manual.

#### 7.1 DRIVE BACK FUNCTION

After ISP is triggered, the Table Top automatically moves a defined distance in the opposite direction.

# 8 TROUBLESHOOTING

## 8.1 POSSIBLE PROBLEMS AND THEIR SOLUTIONS

Problem	Possible cause	Solution	
	The system is not plugged in	Ensure that the system has been connected to the Power Hub correctly	
	The Actuator is not connected properly	Ensure that the Actuator is properly connected to all components of the system	
The table does not move	Poor plug connection	Ensure that all plugs have been connected properly	
	The Actuator is defective	Replace the Actuator. Contact LOGICDATA if the problem persists	
	The User Interface is defective	Replace the User Interface. Contact LOGICDATA if the problem persists	
	There was power failure while the table was in motion	Perform a Position Reset Procedure (see <u>Chapter 4.7</u> <u>Performing a Position Reset Procedure)</u>	
The table only moves slowly downwards	The Power Hub was disconnected while the device was in motion		
	Reset required		
	The Actuator is defective	Replace the Actuator. Contact LOGICDATA if the problem persists	
The User Interface does not work	The User Interface is defective	Replace the User Interface. Contact LOGICDATA if the problem persists	

For further information, or if you are experiencing problems that are not covered in this chapter, refer to the Operating Manual of each individual product in the DYNAMIC MOTION system.







# 8.2 SYSTEM INFORMATION8.2.1 DMUI-TOUCH-B-UD / DMUI-EASY2MOVE

When a DMUI-TOUCH-B-UD or DMUI-EASY2move Handset is installed alongside the DYNAMIC MOTION system, system information is communicated via flashes of the LED Signal Light. Possible signals are as follows:

Signal	Message	Required Actions
No Light	System operating normally	Operate the DM System as normal.
	System not connected	See Configuration Handbook for instructions.
Red Light Blinking	System Error Warning	Release all Keys and wait for 5 seconds. Then, try to repeat the action again.  Disconnect all components from the Power Hub.  Disconnect the Power Hub from the Mains.  Check the Power Hub for overheating. Let cool if necessary.  Check all connections and reconnect the system.  If problem persists: Perform a Position Reset  Procedure (Chapter 4.7). Contact LOGICDATA
Green Light Blinking	System Start-up	Wait until the LED has stopped blinking to
	Reset in Progress	continue.  Do not press any buttons.
	Duty Cycle Exceeded	Do not press any buttons.
	Collision Detected (ISP)	Remove the obstruction from the Table System. Remove unnecessary loads from the Table Top Operate the DM System as normal.
Green Light Flashing Rapidly	Position Reset Required.	Perform a Position Reset Procedure (Chapter 4.7).

NOTICE

Do not operate the DYNAMIC MOTION system if problems persist. Contact LOGICDATA for further information.

#### 8.2.2 DMUI-TOUCH-C-FX

When a DMUI-TOUCH-C-FX Handset is installed alongside the DYNAMIC MOTION system, error messages are displayed on the digital display panel. These are as follows:

Signal	Message	Required Actions
The display shows "Hot".	Overheating protection has been activated.	Wait for the overheated components to cool.
The display shows "ISP".	The system has recognized a collision.	Release all Keys and wait for the Drive Back function to be completed.
8888	The system has recognized a connection error.	Release all Keys and wait for 5 seconds. Then, try again.
The display shows "Con", then "Err".		Disconnect the Power Hub from the Mains. Then, disconnect System from the Power Hub. Reconnect the system again, then operate the DM System as normal.







8888	An internal error has occurred.	Read the table below to find the correct response to the error code shown.
The display shows "Err",		
then an error number.		

Code	Message	Required Actions
1	Firmware Error	Disconnect the Power Hub from the Mains. Then, disconnect System from the Power Hub. Reconnect the system again, then operate the DM System as normal.
2	Motor Over Current	Release all Keys and wait for 5 seconds. Then, try again.
3	DC Over Voltage	Release all Keys and wait for 5 seconds. Then, try again.
8	Impulse Detection Timeout	Perform a Position Reset Procedure (see System Manual)
11	Speed cannot be achieved	Release all Keys and wait for 5 seconds. Then, try again.
12	Power Stage Overcurrent	Release all Keys and wait for 5 seconds. Then, try again.
13	DC Under Voltage	Release all Keys and wait for 5 seconds. Then, try again.
14	Critical DC Over Voltage	Release all Keys and wait for 5 seconds. Then, try again.
15	Strain Gauge is defective	Release all Keys and wait for 5 seconds. Then, try again. Contact LOGICDATA if the problem persists. Do not operate the DM System if components are broken.
17	Error during pairing sequence	Disconnect the Power Hub from the Mains. Then, disconnect System from the Power Hub. Reconnect the system again, then operate the DM System as normal.  If this fails, perform a factory reset (see DM System Manual).
18	Parameterization or firmware of different Actuators in the Table System are incompatible.	Re-paramaterize the Actuators. Contact LOGICDATA for further information.
19	Too many / too few Actuators connected	Connect the correct number of Actuators (as specified in setup).
20	Motor short circuit and/or open load	Contact LOGICDATA.
21	Firmware Error	Disconnect the Power Hub from the Mains. Then, disconnect System from the Power Hub. Reconnect the system again, then operate the DM System as normal.
22	Power Hub overload	Release all Keys and wait for 5 seconds. Then, try again.
23	Motor Under Voltage	Release all Keys and wait for 5 seconds. Then, try again.

NOTICE

Do not operate the DYNAMIC MOTION system if problems persist. Contact LOGICDATA for further information.







# ADDITIONAL INFORMATION

#### DISASSEMBLY

To disassemble the DYNAMIC MOTION system, unplug the Power Hub at the mains, then disconnect all cables from the Power Hub. Then, follow the assembly instructions for your chosen product in reverse order.

#### MAINTENANCE 9.2

All DYNAMIC MOTION system Products are maintenance-free.



#### Risk of death or serious injury through electric shocks and other hazards

Using the DYNAMIC MOTION system alongside unauthorized spare or accessory parts may lead to death or serious injury through electric shocks and other hazards.

- Only use accessory parts produced or approved by LOGICDATA
- Only use replacement parts produced or approved by LOGICDATA
- Only allow Skilled Persons to perform repairs or install accessory parts
- Contact customer services immediately if the system malfunctions

The use of unauthorized spare or accessory parts may cause system damage. Warranty claims are void in this scenario.

#### 9.2.1 CLEANING



## M WARNING

#### Moderate risk of serious injury through electric shocks

While cleaning the system, liquid intrusion may lead to serious injury through electric

- Do not allow any components to become wet during cleaning
- Ensure components are placed away from areas where spillages are likely to occur
- Take care not to spill liquids onto or around the system
- 1. Disconnect the system from the mains
- 2. Wait 30 seconds for residual voltage to dissipate.
- 3. Wipe the surface of the components with a dry, soft cloth. Never immerse components into liquid
- 4. Wait for all components to dry completely
- 5. Reconnect the Power Hub to the mains

## DISPOSAL



All products in the DM System are subject to the WEEE Directive 2012/19/EU.

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





# MOTION FOR YOUR HEF

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