

SYSTEM MANUAL

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DYNAMIC MOTION **system** by LOGICDATA



DYNAMIC MOTION System - System Manual

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LOGICDATA Electronic & Software Entwicklungs GmbH

Wirtschaftspark 18

8530 Deutschlandsberg

Austria

Phone: +43 (0) 3462 51 98 0

Fax: +43 (0) 3462 51 98 1030

Internet: <http://www.logicdata.net>

Email: office.at@logicdata.net



INFO

This manual is valid for all configurations of the LOGICDATA DYNAMIC MOTION System



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1 GENERAL INFORMATION

Documentation for the DYNAMIC MOTION System (DM System) consists of this Operating Manual and several other documents (Other applicable documents, page 5). 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 www.logicdata.net 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 and has read the following documents:

- 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 (if applicable) for the installed DYNAMIC MOTION Power Unit (Power Hub or Battery Pack)

1.2 COPYRIGHT

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1.3 ROYALTY-FREE USE OF IMAGES AND TEXT

After purchase and full payment of the product, all text and images in Chapter 2, "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. Texts and images may not be sold in their current state, and may not be published or sublicensed digitally.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 TARGET AUDIENCE

This manual is intended for Skilled Persons only. Refer to Chapter 2.8, Skilled Persons on page 9 to ensure that personnel meet all requirements.

2.2 GENERAL SAFETY REGULATIONS

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

- Do not operate the DM 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

2.3 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 DM System to determine its individual intended use.

2.4 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

2.5 EXPLANATION OF SYMBOLS AND SIGNAL WORDS

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

| | | |
|---|----------------|--|
|  | 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 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 the 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. |

2.6 LIABILITY

LOGICDATA products comply with all currently applicable health and safety regulations. However, risk can result from incorrect operation or misuse. LOGICDATA is not liable for damage or injury caused by:

- Improper product use
- Disregard of the documentation
- Unauthorized product alterations
- Improper work on and with the Table System
- Operation of damaged products
- 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 en-



sure 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.

2.7 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 as a whole are listed here and throughout this Operating Manual. The risks associated with each product are detailed in the respective product's Operating Manual. See also [Chapter 1.1 Other Applicable Documents on page 5](#). The symbols and signal words used in this Operating Manual are listed in [Chapter 2.5 Explanation of Symbols and Signal Words on page 7](#).

WARNING 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
-

CAUTION 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
-

CAUTION Risk of minor or moderate injury through tripping

During the assembly process, you may have to step over Cables. Tripping over Cables may lead to minor or moderate injury.

- Ensure that the assembly area is kept clear of unnecessary obstructions
 - Be careful not to trip over Cables
-

CAUTION 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
-

WARNING 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
-



2.8 SKILLED PERSONS

CAUTION Risk of injury through incorrect installation

Only Skilled Persons have the expertise to complete the installation process safely. Installation by unskilled persons can lead to minor or moderate personal injury.

- Ensure that only Skilled Persons are allowed to complete the installation
- Ensure that persons with limited ability to react to danger do not take part in the assembly process

The table system may only be assembled by Skilled Persons. A Skilled Person is defined as someone who:

- Is authorized for installation planning, installation, commissioning, or maintenance/servicing of the product
- Has read and understood the Table System documentation, as well as the documentation relevant to the component products of the system
- Has the technical education, training, and/or experience to perceive risks and avoid hazards
- Has knowledge of the specialist standards applicable to the product
- Has the expertise to test, assess, and manage electrical and mechatronic products and systems in accordance with the generally accepted standards and guidelines of electrical engineering and furniture manufacturing

2.9 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 users with an Operating Manual in their native EU official language.

INFO Operating Manuals must include all the safety instructions that end users require to handle your product safely.

3 SCOPE OF DELIVERY

The scope of delivery depends on which type of Table System will be assembled, and which accessories have been chosen. Go to [Chapter 4 Assembly on page 10](#), and find the [Required components](#) subheading for your chosen configuration.



4 ASSEMBLY

This chapter of the Operating Manual describes the process of connecting the table system's components after they have been mounted to the Height-Adjustable Table System. You must read the documentation for each part of the system (Actuator, User Interface, Power Unit, etc.) for that product's mounting instructions.

The chapter "Assembly" outlines three common configurations for Table Systems. For further information concerning other configurations of the DM System, please contact LOGICDATA.

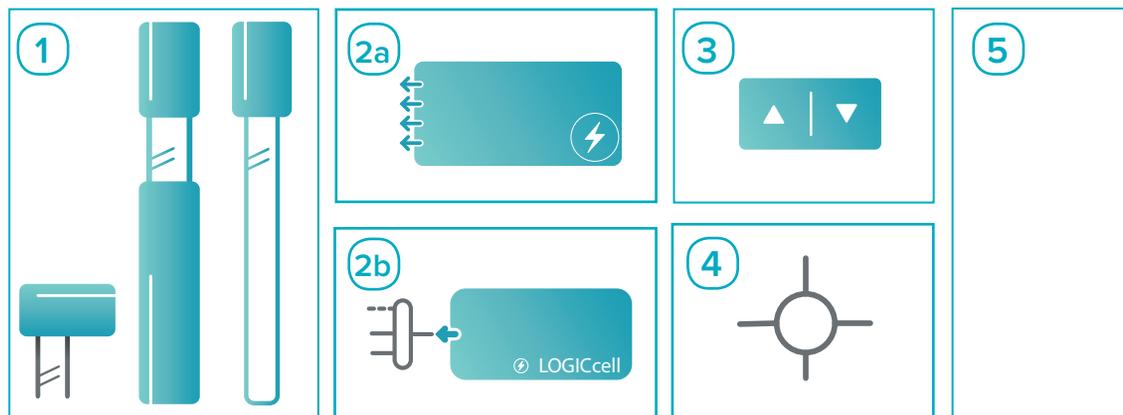


Fig. 1: Required components

NOTE: This is a summary list of the components used in the different installation variants of the DM System. Not all components are required for all variants.

| | |
|----|--|
| 1 | DYNAMIC MOTION Actuators (should be mounted into Height-Adjustable Columns) |
| 2a | Power Hub (Optional - See Chapter 4.7) |
| 2b | LOGICcell Battery Pack (Optional - See Chapter 4.7) |
| 3 | User Interface (Handset or other) |
| 4 | Benching Adapter (for Benching Table Systems - see Chapter 4.3) |
| 5 | Sync Cable (for Tables with Multiple Power Hubs - see Chapter 4.4) |

INFO

Your Table System must be powered using a DYNAMIC MOTION-compatible Power Unit. A Power Unit is a general term that covers the DM Power Hubs and all LOGICDATA Battery Packs. The assembly process differs slightly depending on which type of Power Unit will be installed.

Unless otherwise stated, the instructions in this Operating Manual assume that the user has installed a Table System alongside a Power Hub that adapts Mains electricity. If you have purchased a DM System for use alongside a LOGICDATA Battery Pack, you are obliged to read the Operating Manual of your chosen Battery Pack in full.



INFO Your Table System must be controlled using a DYNAMIC MOTION-compatible User Interface. A User Interface is a general term that covers Handsets (Basic and Comfort) and other products that can control the System, e.g. LOGIClink. Assembly and Operation differ depending on which type of User Interface will be installed.

Unless otherwise stated, the instructions in this Operating Manual assume that the user has installed a Table System alongside a Comfort or Basic Handset. If you have purchased a DM System for use alongside a different User Interface, you are obliged to read the Operating Manual of your chosen User Interface in full.

4.1 REQUIREMENTS FOR ASSEMBLY

 **WARNING** **Moderate risk of death or serious injury through electric shocks**
Connecting the system incorrectly can lead to death or serious injury through electric shocks.

- Ensure that the supplied voltage complies with each product's type plate
- Ensure all components are connected to the correct sockets
- Disconnect the Power Unit before removing or connecting any components
- If a Power Hub is used, connect the system to the Mains only after all other components (Actuators, User Interfaces, etc.) have been connected to the Power Hub

 **WARNING** **Moderate risk of death or serious injury through electric shocks**
Using damaged products may lead to death or serious injury through electric shocks.

- Do not use the User Interface or Power Unit if you see the housing is damaged

 **CAUTION** **Risk of minor or moderate injury through improper handling**
Improper handling of the system during assembly may lead to minor or moderate injury through cutting, pinching, and crushing.

- Read all instructions and safety notices carefully

 **NOTICE** Ensure proper ESD handling during assembly. Damage that can be attributed to electrostatic discharge will void warranty claims.

NOTICE Before assembly, all parts must be acclimatised to the ambient conditions.

NOTICE Operating the table system when it is not properly connected can damage the product.

- Ensure all Cables are properly connected
- Ensure that all required Actuators are ready to be operated
- Do not operate the DM System until it is properly connected

INFO Perform a product risk assessment so that you can respond to potential residual hazards. Assembly instructions must be included in your end user Operating Manual

Before assembling the table system, ensure the following requirements are met:

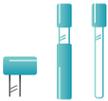
- All Actuators have been mounted properly into the Height-Adjustable Columns
- The Height-Adjustable Columns have been mounted correctly onto the Table Top
- The DM System will be connected at a voltage compliant with the Type Plate
- There is no load voltage on any parts



4.2 ASSEMBLY: TABLE SYSTEM WITH 1 POWER UNIT (1, 2, OR 3 HEIGHT-ADJUSTABLE COLUMNS)

This chapter describes assembly for Table Systems with one Power Unit and 1, 2, or 3 Height-Adjustable Columns (not Benching Systems). The Table Top and Height-Adjustable Columns are supplied by the Reseller.

4.2.1 REQUIRED COMPONENTS

| | |
|---|--|
|  | 1 to 3 Height-Adjustable Columns with DYNAMIC MOTION Actuators |
|  | 1 User Interface (Handset or other) |
|  | 1 Power Unit (Power Hub or Battery Pack) |

4.2.2 CONNECTING THE COMPONENTS

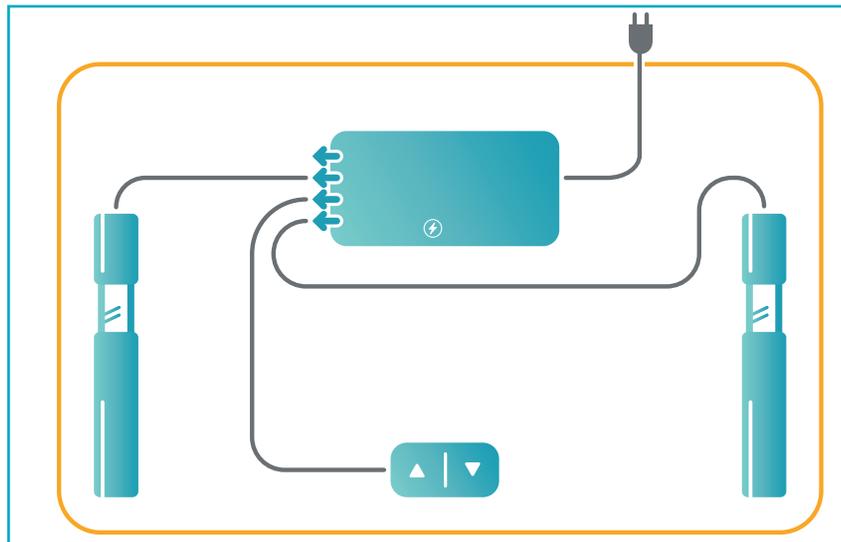


Fig. 2: Connection map (example with a Power Hub and 2 Height-Adjustable Columns)

How to connect the system:

1. Plug the Actuator(s) into the Power Unit
2. Plug the User Interface into the Power Unit
3. If a Power Hub is used, plug the Power Hub into the Mains

4.2.3 COMPLETING ASSEMBLY

Before you use the table, you must perform a Position Reset Procedure ([see Chapter 4.7 page 17](#)).



4.3 ASSEMBLY: BENCHING TABLE SYSTEM

This chapter describes how to assemble a Benching Table System. In a Benching System, multiple tables are connected by one Power Unit. The tables are operated separately. You will need one User Interface for each table. The Benching Adapter works like a power distributor. A Benching Table System consists of between two and four tables. The Actuators within a single table are operated simultaneously by one User Interface. The Table Top and Height-Adjustable Columns are supplied by the Reseller.

4.3.1 REQUIRED COMPONENTS

| | |
|---|---|
|  | Up to 8 Height-Adjustable Columns with DYNAMIC MOTION Actuators |
|  | 2 to 4 User Interfaces (Handset or other) |
|  | 1 Power Unit (Power Hub or Battery Pack) |
|  | 1 to 3 Bench Adapters |

4.3.2 CONNECTING THE COMPONENTS

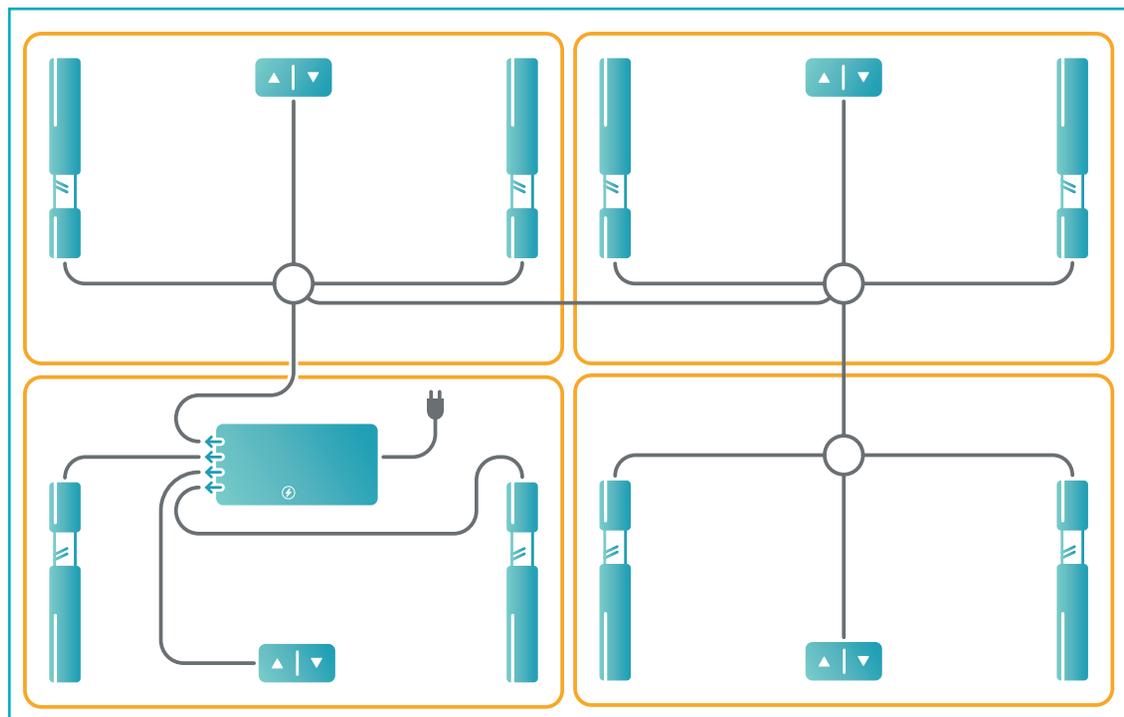


Fig. 3: Connection map (Benching Table System, 4 tables, each with 2 Height-Adjustable Columns, powered by a Power Hub). Note: This is the largest possible configuration.

**Table with the Power Unit:**

1. Plug the Actuators into the Power Unit
2. Plug the User Interface into the Power Unit

Other tables:

3. Plug the Actuators into the Benching Adapter
4. Plug the User Interface into the Benching Adapter
5. Plug the Benching Adapter into the Power Unit
6. If a Power Hub is used, plug the Power Hub into the Mains

INFO

A maximum of 4 tables (table 1 plus 3 others) can form a Benching System. For Benching Systems with 3 or 4 tables, repeat steps 3 to 5 for each table.

4.3.3 COMPLETING ASSEMBLY

Before you use the table, you must perform a Position Reset Procedure ([see Chapter 4.7 page 17](#)).



4.4 ASSEMBLY: SYSTEM WITH MULTIPLE POWER UNITS

This section describes assembly for DM Systems with multiple Power Units. This configuration can adjust heavy or oversized tables such as conference tables without affecting performance. The system consists of groups of Actuators. Each Power Unit powers one group of Actuators. Groups are connected by Sync Cables. The Table Top and Height-Adjustable Columns are supplied by the Reseller.

4.4.1 REQUIRED COMPONENTS

| | |
|--|--|
| | 4 to 8 Height-Adjustable Columns with DYNAMIC MOTION Actuators |
| | At least 1 User Interface (Handset or other) |
| | 2 to 4 Power Hubs |
| | 1 to 3 Sync Cables |
| | Optional: Branch Cable for additional connections |

4.4.2 CONNECTING THE COMPONENTS

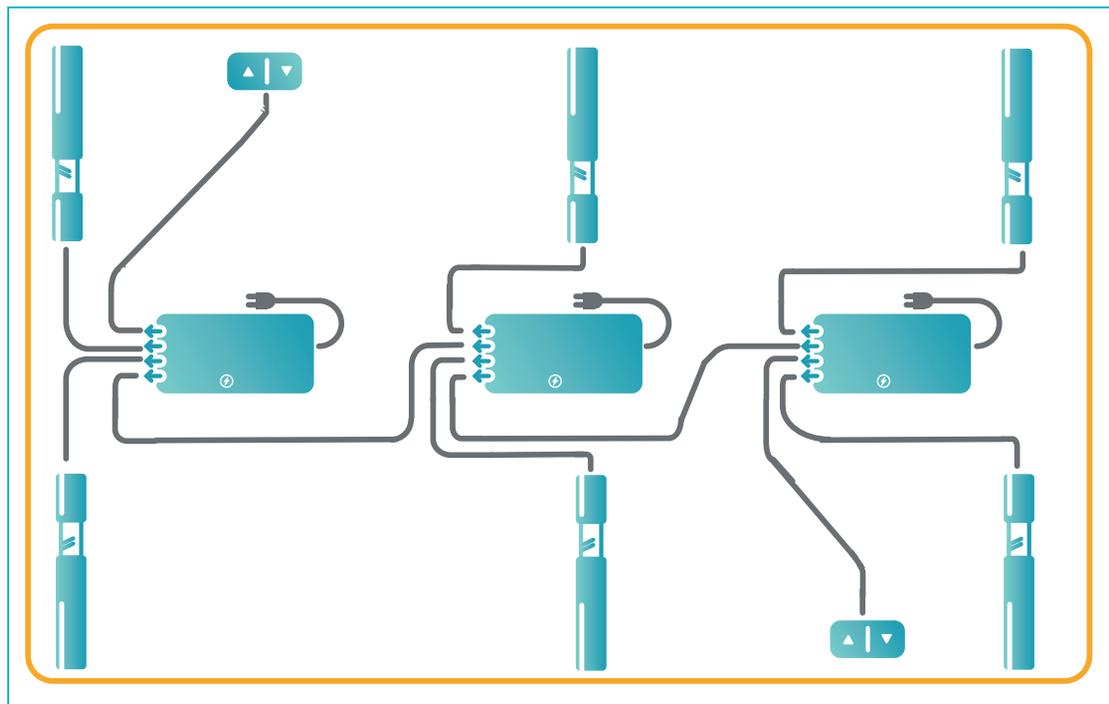


Fig. 4: Connection map (table system with multiple Power Units. 3 Actuator Groups, 6 Height Adjustable Columns, 3 Power Units (Power Hubs), 2 User Interfaces)



How to connect the system:

1. Plug the Actuators into the Power Unit for their respective Actuator Groups
2. Plug the User Interface(s) into the chosen Power Unit
3. Create a line of Power Units by connecting them to each other using the Sync Cable(s)
4. If Power Hubs are used, plug the Power Hubs into the Mains

INFO

The instructions describe assembly for a Table System with multiple Power Units where 2 Actuators are plugged into each Power Unit. If you wish to connect more Actuators to each Power Unit, you will require a special Branch Cable to accommodate the extra Cables. Contact LOGICDATA for more details.

4.4.3 COMPLETING ASSEMBLY

Before you use the table, you must perform a Position Reset Procedure (see [Chapter 4.7 page 17](#)).



4.5 CONNECTING POWER HUBS

The DM System can be connected to the Mains via a Power Hub. The configuration of the Power Hub depends on the type of Table System used. Read the assembly instructions for your Table System for more details.

4.6 CONNECTING BATTERY PACKS

The DM System can be powered using a Battery Pack. For instructions and safety advice on mounting and connecting Battery Packs, refer to your Battery Pack's Operating Manual.

4.7 PERFORMING A POSITION RESET PROCEDURE

- ⚠ CAUTION 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

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 DM 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 |
|  | 3. Press and hold the DOWN Key again <ul style="list-style-type: none">▶ The table will move down slightly, then up again |
| | 4. Release the DOWN Key <ul style="list-style-type: none">▶ The Position Reset Procedure is complete. |

- INFO** If your DM 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

CAUTION 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 DM 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 DM System is operated by a different User Interface, consult that product's operating Manual for instructions on operating the DM System.

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

- **Comfort Handsets** - These products have a digital display and can save Memory Positions
- **Basic Handsets** - These products have only an UP and DOWN key

Handset Keys are represented as follows for further description:

| | |
|---|--|
|  | UP Key |
|  | DOWN Key |
|  | SAVE Key (Comfort Handsets only) |
|  | Memory Position Key 1 (Comfort Handsets only) |
|  | Memory Position Key 2 (Comfort Handsets only) |
|  | Memory Position Key 3 (Comfort Handsets only) |
|  | Memory Position Key 4 (Comfort Handsets only) |



5.1 STANDARD FUNCTIONS

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

5.1.1 ADJUSTING THE TABLE TOP HEIGHT

- ⚠ CAUTION Risk of minor or moderate injury through crushing**
Your fingers may be crushed when you attempt to change the height of the table
- Keep fingers away from moving parts
 - Ensure that no persons or objects are in the table's range of motion

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

5.2 ADVANCED FUNCTIONS

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

5.2.1 SAVING 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 ([Chapter 5.1.1, Adjusting the Table Top height](#))



▶ The display shows the Table Top height (e.g. 73 cm)



2. Press the SAVE Key.



| | |
|----------|--|
| 2 | 3. Press the Memory Position Key (e.g. 2) |
| | ▶ The display shows S 2 |
| | ▶ After about two seconds, the Table Top height is displayed again |

5.2.2 ADJUSTING THE TABLE TO A MEMORY POSITION

Version A (without double-click function):

| | |
|----------|---|
| 2 | 1. 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 | 2. Release the Memory Position Key |
| | ▶ The display shows the Table Top height (e.g. 73 cm) |

Version B (Auto-Movement with double-click function):

INFO The double-click function is available only for DM Systems sold in US markets.

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 Risk of minor or moderate injury through unauthorized modifications
 The firmware is delivered with a deactivated double-click function. If you activate this function, the grading of the safety functions according to EN ISO 13849-1 PL b, Category B, are no longer valid, as the legal requirements in the standard are no longer met.

- 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 DM System
- LOGICDATA is not liable for injuries or damage caused by activating the double-click function

| | |
|----------|---|
| 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) |



6 SOFTWARE-DEPENDENT FUNCTIONS

6.1 STANDARD FUNCTIONS

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

6.1.1 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)

⚠ CAUTION 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

6.1.2 SAFETY AREA

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

INFO 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:

| | |
|---|--|
|  | <ol style="list-style-type: none">1. Press and hold the DOWN Key<ul style="list-style-type: none">▶ The Table Top is adjusted to the start of the safety area▶ The Table Top stops moving when the safety area is reached |
|  | <ol style="list-style-type: none">2. Press the DOWN Key again to move into the safety area |



6.2 ADVANCED FUNCTIONS

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

6.2.1 FACTORY RESET

With this function, you can reset the DM System to its factory settings.

| | |
|---|--|
|  | <ol style="list-style-type: none"> Press and hold the following Keys for 3 seconds: <ul style="list-style-type: none"> Memory Position Keys 1 and 2 UP Key |
|  | <ul style="list-style-type: none"> The display shows S and a number (e.g. S 4) |
|  | <ol style="list-style-type: none"> Press the DOWN Key until the display shows S 0. |
|  | <ul style="list-style-type: none"> The display shows S 0. |
|  | <ol style="list-style-type: none"> Press the SAVE Key. |
| | <ul style="list-style-type: none"> The DM System has now been reset to its factory settings. It is now in the same state as it was during the first start-up. |

6.2.2 CONTAINER STOP AND SHELF STOP POSITIONS

These features can limit the movement area of the Table Top (if e.g. 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 only 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:

| | |
|---|---|
|  | <ol style="list-style-type: none"> Press the UP or DOWN Key to move the Table Top to the desired position |
|  | <ol style="list-style-type: none"> Press and hold the SAVE Key for 10 seconds <ul style="list-style-type: none"> The Container Stop / Shelf Stop Position is saved |

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

| | |
|---|---|
|  | <ol style="list-style-type: none"> Press and hold the UP Key and DOWN Key for 10 seconds. <ul style="list-style-type: none"> The Container Stop / Shelf Stop Position is saved |
|---|---|



6.2.3 KEY LOCK

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 (figure 5, Activating the Key Lock). The display must be active for you to activate the Key Lock. To activate an inactive display, press any Key.



Fig. 5: Activating the Key Lock

After you have activated the Key Lock, a key is displayed on the screen.



Fig. 6: Locked User Interface

6.2.4 CORRECTING THE HEIGHT DISPLAY

This feature changes the height displayed on the Handset. It does not affect the table's actual height.

| | |
|--|--|
| | Press the SAVE Key. |
| | The display shows S -. |
| | Press and hold the DOWN Key for approximately 5 seconds. |
| | The display starts to flash. |
| | Use the UP Key or DOWN Key to set the new height |
| | Press the SAVE Key. |
| | The height display is now set to the new Table Top height. |



7 CHANGING THE TABLE SYSTEM

7.1 REPLACING AN ACTUATOR

1. (If a Power Hub is Used) Disconnect the Power Unit from the Mains
2. Disconnect the Actuator from the Power Unit
3. Remove the Height-Adjustable Column from the Table Top by undoing the fastening screws
4. Remove the Actuator from the Height-Adjustable Column by undoing the fastening screws
5. Mount the new Actuator into the Height-Adjustable Column. Consult the relevant Operating Manual for exact instructions and safety information
6. Mount the Height-Adjustable Column back onto the Table Top
7. Plug the Actuator back into the Power Unit
8. (If a Power Hub is Used) Reconnect the system to the Mains

7.1.1 UNPLUGGING THE CABLE FROM THE ACTUATOR

CAUTION **Risk of minor or moderate injury through electric shocks**
Inserting foreign objects into connectors may lead to minor or moderate injury through electric shocks.

- Disconnect the Actuator from the Power Unit before unplugging the Cable.

NOTICE Unplugging the Actuator Cable incorrectly may damage the connectors irreparably.

- Do not attempt to remove the Actuator Cable by hand
- Read the instructions below in full

1. (If a Power Hub is Used) Disconnect the Power Unit from the Mains
2. Disconnect the Actuator from the Power Unit and wait for residual voltage to dissipate
3. Insert a screwdriver into the gap behind the cable until it reaches the bottom of the connector
4. Use the screwdriver to lever the Actuator Plug gently upwards and out of the connector

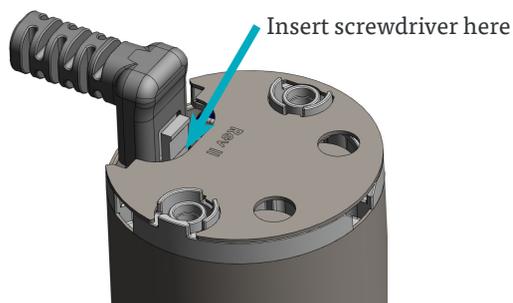


Fig. 7: Removing the Actuator Cable

7.2 REPLACING A USER INTERFACE

1. (If a Power Hub is Used) Disconnect the Power Unit from the Mains
2. Disconnect the User Interface from the Power Unit
3. Remove the User Interface from the Table Top
4. Mount the new User Interface onto the Table Top (use the User Interface's Manual to help you)
5. Plug the User Interface back into the Power Unit
6. (If a Power Hub is Used) Reconnect the system to the Mains



7.3 REPLACING A POWER UNIT

| | |
|--------------|---|
| Power Hub | <ol style="list-style-type: none">1. Disconnect the Power Hub from the Mains2. Disconnect all components from the Power Hub3. Plug all components into the new Power Hub4. Reconnect the system to the Mains |
| Battery Pack | <ol style="list-style-type: none">1. Disconnect all components from the Battery Pack2. Plug all components into the new Battery Pack |

8 DISASSEMBLY

To disassemble the DM System, disconnect all connected devices from the Power Unit. Then, follow the assembly instructions in reverse order.

9 COLLISION DETECTION

9.1 INTELLIGENT SYSTEM PROTECTION

Intelligent System Protection (ISP) is LOGICDATA's collision detection system. It significantly reduces the risk 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 DM 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:

| | |
|---------------------|---|
| Software ISP | Software ISP uses known system variables that are measured or calculated by the software within the system. Additional sensors are not necessary. This function is available with all LOGICDATA Actuators (including those operated by external control boxes). |
| Sensor ISP | Sensor ISP increases the sensitivity of the collision detection. |

9.2 DRIVE BACK FUNCTION

After ISP is triggered, the Table Top automatically moves a defined distance in the opposite direction. This reduces the risk of crushing.

10 MAINTENANCE

All products in the DM System are maintenance free for their entire service lifetimes.

⚠ CAUTION 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.



11 TROUBLESHOOTING

| Problem | Possible cause | Solution | |
|---|--|---|--|
| The Actuator does not work | The system is not plugged in | Ensure that the system has been connected to the Power Unit correctly | |
| | The Actuator is not connected properly | Ensure that the Actuator is properly connected to all components of the system | |
| | 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 | |
| The table only moves downwards | There was power failure while the table was in motion | Perform a Position Reset Procedure (see Chapter 4.7 Performing a Position Reset Procedure) | |
| | The Power Unit 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 DM System.

12 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 LIFE

LOGICDATA
Electronic & Software Entwicklungs GmbH
Wirtschaftspark 18
8530 Deutschlandsberg
Austria

Phone: +43 (0)3462 5198 0
Fax: +43 (0)3462 5198 1030
Email: office.at@logicdata.net
Internet: <http://www.logicdata.net>

LOGICDATA North America, Inc.
1525 Gezon Parkway SW, Suite C
Grand Rapids, MI 49509
USA

Phone: +1 (616) 328 8841
Email: office.na@logicdata.net



www.logicdata.net