

# DMIpaddle Family

## Operating Manual





**DMIpaddle Family - Operating Manual**

Document Version 3.0 / August 2024

This document was originally published in English.

**LOGICDATA Electronic & Software Entwicklungs GmbH**

Wirtschaftspark 18  
8530 Deutschlandsberg  
Austria

Phone: +43 (0) 3462 51 98 0  
Fax: +43 (0) 3462 51 98 1030  
Website: [www.logicdata.net](http://www.logicdata.net)  
Email: [office.at@logicdata.net](mailto:office.at@logicdata.net)



# CONTENTS

<b>1</b>	<b>General Information</b>	<b>5</b>
1.1	Other Applicable Documents	5
1.2	Copyright	5
1.3	Royalty-Free Use of Images and Text	5
1.4	Trademarks	5
<b>2</b>	<b>Safety</b>	<b>6</b>
2.1	Target Audience	6
2.2	General Safety Regulations	6
2.3	Intended Use	6
2.4	Reasonably Foreseeable Misuse	6
2.5	Explanation of Symbols and Signal Words	7
2.6	Liability	7
2.7	Residual Risks	8
2.8	Skilled Persons	9
2.9	Notes for Resellers	9
<b>3</b>	<b>Scope Of Delivery</b>	<b>10</b>
<b>4</b>	<b>Unpackaging</b>	<b>10</b>
<b>5</b>	<b>Product</b>	<b>11</b>
5.1	Key Product Features	11
5.1.1	DMIpaddle B	11
5.1.2	DMIpaddle C	12
5.2	Dimensions	13
5.2.1	DMIpaddle B and C	13
5.3	Drilling Template	14
5.3.1	DMIpaddle B and C	14
<b>6</b>	<b>Assembly</b>	<b>15</b>
6.1	Safety During Assembly	16
6.2	Required Components	16
6.3	Process	16
6.4	Completing Assembly	16



<b>7</b>	<b>System Information</b>	<b>16</b>
7.1	DMIpaddle B	16
7.2	DMIpaddle C	18
<b>8</b>	<b>Operation</b>	<b>20</b>
8.1	Adjusting the Table Top Height	21
8.2	Saving a Memory Position (DMIpaddle C Only)	22
8.3	Adjusting the Table to a Memory Position (DMIpaddle C Only)	22
8.4	Container Stop and Shelf Stop Positions	23
8.4.1	Save a Container Stop or Shelf Stop Position	24
8.4.2	Delete a Container Stop or Shelf Stop Position	24
8.5	Changing the displayed Unit of Measurement (CM/INCH, DMIpaddle C only)	24
8.6	Performing a Position Reset Procedure	24
8.7	Factory Reset (So Reset)	25
<b>9</b>	<b>Additional Information</b>	<b>26</b>
9.1	Disassembly	26
9.2	Maintenance	26
9.2.1	Cleaning	26
9.3	Troubleshooting	27
9.4	Disposal	27



# 1 GENERAL INFORMATION

Documentation for the DMipaddle Family Handset consists of this Operating Manual and several other documents (Other applicable documents, page 5). Assembly personnel must read all documentation before starting assembly. Keep all documentation for as long as the product is in your possession. Ensure that all documentation is provided to subsequent owners. Go to [www.logicdata.net](http://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 contains assembly and operation instructions for the DMipaddle Family Handset. Other applicable documents include:

- Datasheet for DMipaddle Handset
- DYNAMIC MOTION System Manual
- Datasheet and Operating Manual for the installed DYNAMIC MOTION Actuator
- Datasheet for the installed Power Unit

## 1.2 COPYRIGHT

© August 2024 by LOGICDATA Electronic und Software Entwicklungs GmbH. All rights reserved, except for those listed in Chapter 1.3 Royalty-free use of images and text on page 5.

## 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 Reseller 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](mailto:documentation@logicdata.net)).

## 1.4 TRADEMARKS

Documentation may include the representation of registered trademarks of goods or services, as well as information about copyright or other proprietary expertise of LOGICDATA or third parties. In all cases, all rights remain exclusively with the respective copyright holder. LOGICDATA® is a registered trademark of LOGICDATA Electronic & Software GmbH in the USA, the European Union, and other countries.



## 2 SAFETY

### 2.1 TARGET AUDIENCE

This Operating 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 product 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, faulty components must be replaced immediately.
- Unauthorized repairs are prohibited.
- Do not attempt to replace hardware unless the product is in a de-energized state.
- Only Skilled Persons are allowed to work with DMIPaddle Family Handsets.
- 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 products in the DMIPaddle Family Handset are for electrically Height-Adjustable Tables. They are installed by Resellers into Height-Adjustable Table systems. They are used to control Height-Adjustable Table systems via an integrated Control Unit in the connected DYNAMIC MOTION Actuator. They are intended for indoor use only. They may only be installed in compatible Height-Adjustable Table Systems and with LOGICDATA-approved accessories. Contact LOGICDATA for further details. Use beyond or outside the intended use will void the product's warranty.

### 2.4 REASONABLY FORESEEABLE MISUSE

Usage outside of the intended use may lead to minor injury, serious injury, or even death. Reasonably foreseeable misuse of the Handset includes, but does not extend to:


- Connecting unauthorized parts to the product. If you are unsure as to whether a part can be used with a Handset, contact LOGICDATA for further information.



## 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 product
- 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 Operating Manual describes the characteristics of the product 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.



## 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 installation of the DMIPaddle Family Handsets are listed here and throughout this Operating Manual. The risks associated with the system as a whole are listed in the System 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 through electric shocks**

DMIPaddle Family Handsets are electrical devices. Although you will not have to connect any products to the Power Unit during assembly, basic safety precautions must be taken at all times. Failure to observe electrical safety precautions may lead to death or serious injury through electric shocks.

- Never open the Handset
- Do not convert or modify the Handset in any way
- Do not immerse the Handset or its components in liquid. Clean only with a dry or slightly damp cloth
- Do not place the Cable of the Handset on heated surfaces
- Check the housing and Cables of the Handset for visible damage. Do not install or operate damaged products



### **WARNING Risk of death or serious injury through electric shocks**

The DMIPaddle Family Handsets are Protection Class III devices. They may only be supplied with safety extra-low voltage (SELV). Supplying the DMIPaddle Family Handsets with the incorrect voltage could result in death or serious injury through electric shocks.

- Only supply the DMIPaddle Family Handset with safety extra-low voltage (SELV)
- Refer to the data sheet for information on the permissible supply voltage



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

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

- Do not operate the Handset in potentially explosive atmospheres



### **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.

- ! CAUTION** **Risk of minor or moderate injury through crushing**  
Paddle switch can be triggered by putting a force on the trigger mechanism. The system may start moving accidentally. This may lead to minor or moderate injury through crushing.
- Use minimal clearance of 250 mm between the paddle switch and other objects in the room.
  - Always use a safe distance when passing by the paddle switch.

- ! CAUTION** **Risk of minor or moderate injury through crushing**  
Avoiding these precautions may lead to minor or moderate injury through crushing.
- When exchanging the paddle switch with a new one, always carefully reinitiate memory positions with the new paddle switch.

## 2.8 SKILLED PERSONS

DMIPaddle Family Handsets may only be installed by Skilled Persons. A Skilled Person is defined as someone who:

- Has read and understood all documentation relevant to the Handset.

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

**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.

---

**INFO** No unauthorized persons (young children, persons under the influence of medications, etc.) should be allowed to handle the product.

---

**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.

---

## 3 SCOPE OF DELIVERY

The standard scope of delivery for Handsets in the DMipaddle Family consists of the Handset and its pre-attached Cable. All other components necessary for installing the Handset must be supplied separately by the reseller.

## 4 UNPACKAGING

To unpackage the product:

1. Remove all components from the packaging
2. Check the contents of the package for completeness and damage
3. Provide the Operating Manual to the operating personnel
4. Dispose of the packaging material

---

**NOTICE** Dispose of the packaging material in an environmentally friendly manner. Remember to separate plastic parts from the cardboard packaging.

---



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

---



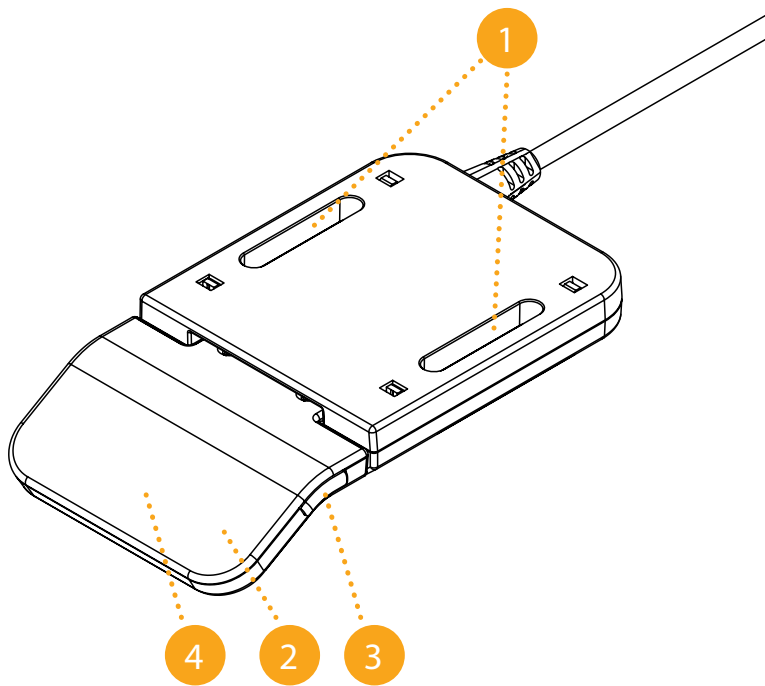
## 5 PRODUCT

The DMIPaddle Family of Handsets consists of two products: DMIPaddle B and DMIPaddle C. In general, operation and assembly of both Handsets are similar with some differences that will be pointed out within this manual further on.

### 5.1 KEY PRODUCT FEATURES

#### 5.1.1 DMIPADDLE B

1	Mounting Points
2	Paddle Switch for UP/DOWN Function
3	Multi-Functional Key
4	LED Signal Light

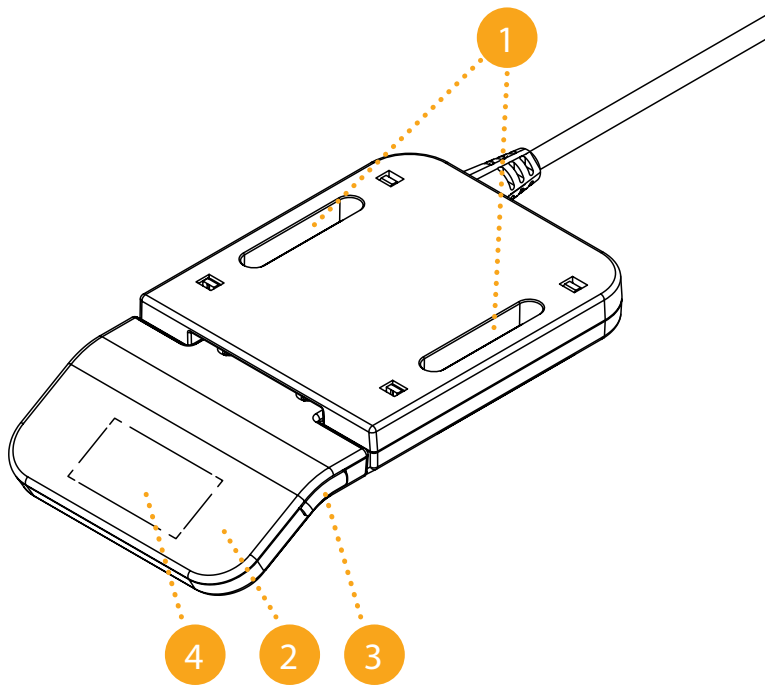


**Fig. 1: Product features, DMIPaddle B**



## 5.1.2 DMIPADDLE C

1	Mounting Points
2	Paddle Switch for UP/DOWN Function
3	Multi-Functional Key
4	Display



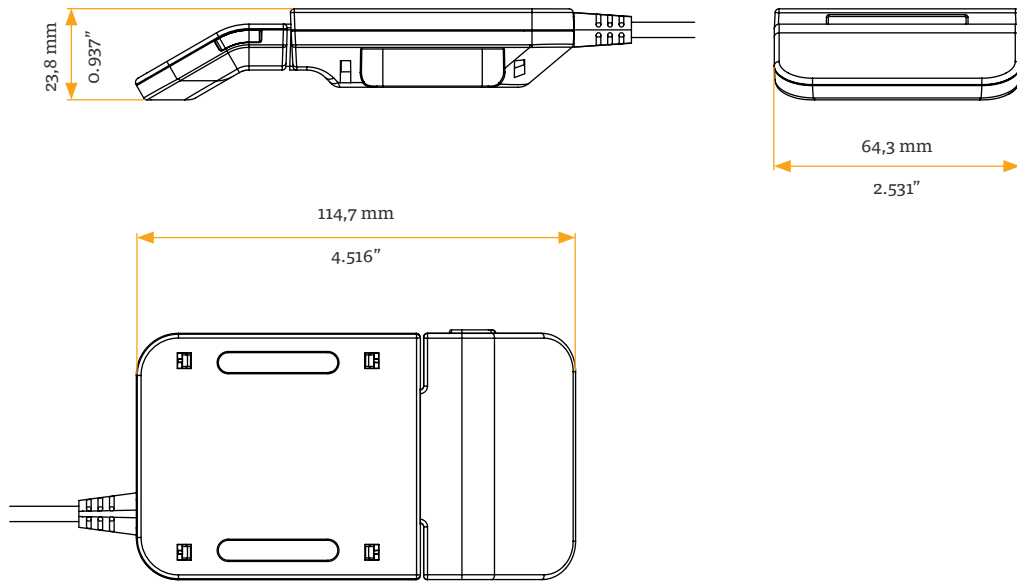
**Fig. 2: Product features, DMIPaddle C**



## 5.2 DIMENSIONS

### 5.2.1 DMIPADDLE B AND C

Length	114,7 mm   4.516"
Width	64,3 mm   2.531"
Height (to underside of Table Top)	23,8 mm   0.937"



**Fig. 3: Product dimensions, DMIPaddle B and C**

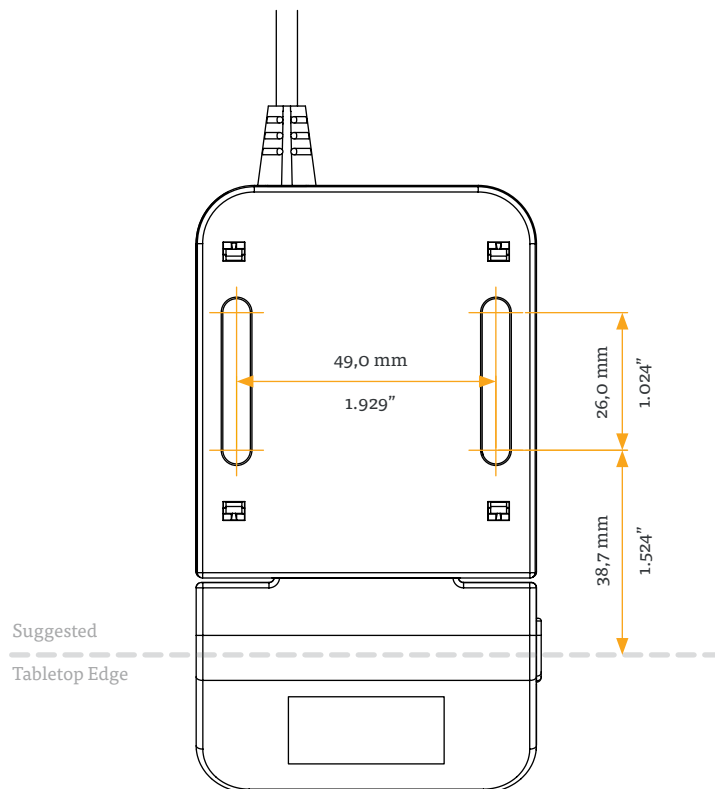


## 5.3 DRILLING TEMPLATE

### 5.3.1 DMIPADDLE B AND C

There are two possible positions of the Handset: Transportation Position and Standard Position.

The Transportation Position allows the Handset to be slid underneath the Table Top so that it does not protrude from the front edge of the Table during transport. To enable sliding in and out of transportation, position the holes should be drilled 64,7 mm from the front edge of the Table Top and 49 mm apart. The Side Edge of the DMIPaddle Handset does not have to be flush with the Table's Side Edge. Leave a minimum of 20 mm between the outer hole and the Side Edge to ensure the DMIPaddle Handset does not protrude from the side.



**Fig. 4: Drilling template, DMIPaddle B and C**



## 6 ASSEMBLY

This chapter describes the process of installing the DMIPaddle Family Handset into the DYNAMIC MOTION System.

### 6.1 SAFETY DURING ASSEMBLY

**⚠ WARNING Risk of death or serious injury through electric shocks**  
DMIPaddle Family Handsets are electrical devices. Basic safety precautions must be taken at all times. Failure to observe electrical safety precautions may lead to death or serious injury through electric shocks.

- Never open the Handset
- Ensure that the Handset is not connected to the Power Unit during assembly
- Do not convert or modify the Handset in any way
- Check the housing and Cables of the Handset for visible damage. Do not install or operate damaged products.

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

- Avoid contact with sharp edges.
- Be careful while handling tools that may cause personal injury.
- Ensure assembly complies with the generally accepted standards and guidelines of electrical engineering and furniture manufacturing.
- Read all instructions and safety advice carefully.

**⚠ CAUTION Risk of minor or moderate injury through tripping**  
During assembly and operation, poorly routed Cables may become a trip hazard. Tripping over Cables may lead to minor or moderate injury.

- Ensure that Cables are routed properly to avoid trip hazards.
- Be careful not to trip over Cables when installing the Handset.

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

**NOTICE** To avoid damage to the product, measure the dimensions of the Handset before assembly.

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

**NOTICE** Do not lift the Handset by its Cable. This will cause irreparable damage to the product.

**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.



## 6.2 REQUIRED COMPONENTS

1x	DMIpaddle Family Handset
2x	Mounting Screws (supplied by reseller)
Tool	Drill or Drilling Machine
Tool	Screwdriver

### INFO

#### Screw specifications

The mounting slots on the housing have a width of 5.3 mm and depth of 7 mm.

The mounting screws should have 5 mm external thread diameter, 10 mm head diameter and 16 mm - 20 mm thread length.

Recommended are SPAX universal screws with pan head or SPAX wood construction screws with washer head. Do not use screws with countersunk head.

## 6.3 PROCESS

1. Position the Handset under the Table Top and mark the position of the Mounting Points or use the Drilling Template on page 14 to help you.
2. Drill the holes for the Mounting Screws into the Table Top at the marked points.
3. Use the screwdriver and Mounting Screws to attach the Handset to the Table Top at the drilled holes.

### NOTICE

The required tightening torque depends on the material of the Table Top. Do not exceed 2 Nm.

## 6.4 COMPLETING ASSEMBLY

After the DMIpaddle Family Handset is attached to the Table Top, you must connect the Cable to the Power Hub. Refer to the manual for your chosen Power Hub for instructions.

# 7 SYSTEM INFORMATION

## 7.1 DMIPADDLE B

When a DMIpaddle B 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 properly	See the DM System Manual for connection instructions
Red Light Blinking	System Error Warning	Release all Keys and wait for 5 seconds. Then, try to repeat the action again.
		Disconnect the DM System from the Power Unit.
		(If a Power Hub is used) Disconnect the Power Hub from the Mains.
		Check the Power Unit for overheating. Let cool if necessary.
		Check all Cable connections and reconnect the system.
		<b>If problem persists:</b> Perform a Position Reset Procedure (see System Manual).
		Contact LOGICDATA.
Green Light Blinking	System Start-up	Wait until the LED has stopped blinking to continue. Do not press any buttons.
	Reset in Progress	
	Duty Cycle Exceeded	
	Collision Detected (ISP)	Remove the obstruction from the Table System. Remove unnecessary loads from the Table Top Operate the DM System as normal.
	Shelf/Container stop saved - two blinks	No action necessary
		Shelf/Container stop deleted - one blink
Green Light Flashing Rapidly	Position Reset Required.	Perform a Position Reset Procedure (Manual, Chapter 8.5).
<b>NOTICE</b>	Do not operate the DYNAMIC MOTION system if problems persist. Contact LOGICDATA for further information.	



## 7.2 DMIPADDLE C

When a DMipaddle C 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 "System Pause".	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.
 The display shows "Con".	The system has recognized a connection error.	Release all Keys and wait for 5 seconds. Then, try again. Disconnect the Power Unit from the Mains. Then, disconnect System from the Power Unit. Reconnect the system again, then operate the DM System as normal.
 Handset displays error code "CXX" (e.g. C17).	An internal error has occurred.	Read the Table below to find the correct response to the error code shown.



CODE	MESSAGE	REQUIRED ACTIONS
1	Firmware Error	Disconnect the Power Unit from the Mains. Then, disconnect System from the Power Unit. 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	Out of Sync	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 Unit from the Mains. Then, disconnect System from the Power Unit. 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-parameterize 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 Unit from the Mains. Then, disconnect System from the Power Unit. Reconnect the system again, then operate the DM System as normal.
22	Power Unit 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.
28	External Collision Sensor Error	Disconnect the Power Unit from the Mains and check Cable connections.

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

## 8 OPERATION

**⚠ CAUTION 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.

**⚠ CAUTION Risk of minor or moderate injury through crushing**  
Attempting to use the Table System before it is properly mounted and connected may result in malfunctions. These may lead to minor or moderate injury through crushing.

- Ensure all Components have been mounted safely.
- Ensure all Cables are properly connected.
- Ensure that all required Actuators are ready to be operated.
- Do not operate the Table System until it is properly connected.



Instructions for operating the system can be found in the DYNAMIC MOTION System Manual. A list of core features can be found below. Before using the Table System, you must also read the Operating Manuals of all components, as well as the DYNAMIC MOTION system manual, including all relevant safety information, in full.

## 8.1 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.

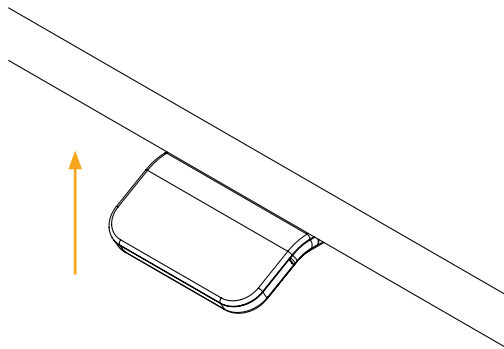
---

**INFO** The LEDs on the DMIPaddle B Handset will light up white when the Table is in motion.

---

### To move the Table Top UP:

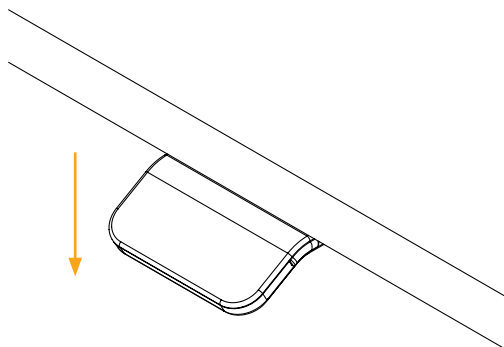
Gently lift and hold the paddle until the desired height has been reached (Fig. 5).



**Fig. 5: Moving the Table Top Up**

### To move the Table Top DOWN:

Gently push and hold down the paddle until the desired height has been reached (Fig. 6).



**Fig. 6: Moving the Table Top Down**



## 8.2 SAVING A MEMORY POSITION (DMIPADDLE C ONLY)

This function saves a set Table Top position. One Memory Position can be saved in the upper half of the Movement Area (standing) and one in the lower half (sitting).



1. Move the Table to the desired height (Chapter 8.1).
2. Press the Multi-Functional Key.
3. Shortly move and release the Paddle upwards if you are saving a standing position, downwards for sitting.
4. The Handset indicates that the memory position has or has not been successfully saved, by showing the following messages to the user for a limited period of time (approx. 2 seconds):
  - “SIT”: sit position saved
  - “STAND”: stand position saved
  - “SiE”: sit position not saved
  - “StE” : stand position not saved

## 8.3 ADJUSTING THE TABLE TO A MEMORY POSITION (DMIPADDLE C ONLY)

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

This function allows you to move the Table Top to a saved memory position.

1. Push the Paddle in the direction of the position you wish to reach (up for “Stand”, down for “Sit”).
  - ▶ The Table Top will stop when Sit or Stand Memory Position is reached and the display will indicate that Sit or Stand memory position has been reached:

SIGNAL	MESSAGE
	Sit Memory Position is reached.
	Stand Memory Position is reached.

2. To continue movement, keep holding the Paddle until the Table moves again.

### 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 push the Paddle in any direction or click a Multi-Functional Key while the Table moves to a Memory Position, the Table will stop moving immediately. To continue, you must initiate the movement of the Table again.

---

**! WARNING Risk of minor or moderate injury through unauthorized modifications**  
The Control System firmware is supplied in Europe with the double-click function disabled. After enabling this functionality the safety of the end product must be evaluated.

- A risk assessment to demonstrate conformity to the requirements of Machinery Directive 2006/42/EC is required prior to use.
- LOGICDATA is not liable for injuries or damage caused by activating the double-click function.

---

1. Push and release the Paddle 2 times in a row in the direction of the position you wish to reach (up for “Stand”, down for “Sit”).
  - ▶ The Table Top will stop when Sit or Stand Memory Position is reached and the display will indicate that Sit or Stand memory position has been reached:

---

**SIGNAL****MESSAGE**

Sit Memory Position is reached.



Stand Memory Position is reached.

---

**INFO** To check if your DYNAMIC MOTION system software version supports displaying user information when Sit or Stand memory position is reached, please contact LOGICDATA.

---

## 8.4 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.

---



## 8.4.1 SAVE A CONTAINER STOP OR SHELF STOP POSITION

1. Use the Paddle to move the Table Top to the desired height.
2. Press and hold the **Multi-Functional Key** for 10 seconds.
  - ▶ The Container Stop / Shelf Stop Position is saved (Container Stop if you are in the bottom half of the movement area, Shelf Stop if you are in the top half).
  - ▶ DMIPaddle B: Green light blinks twice.
  - ▶ DMIPaddle C: the display indicates that a container or shelf stop position has been saved by blinking „SET“ several times.

## 8.4.2 DELETE A CONTAINER STOP OR SHELF STOP POSITION

1. Use the Paddle to move the Table Top to the position you wish to delete.
2. Press and hold the **Multi-Functional Key** for 10 seconds.
  - ▶ The Container Stop / Shelf Stop Position is deleted (Container Stop if you are in the bottom half of the movement area, Shelf Stop if you are in the top half).
  - ▶ DMIPaddle B: Green light blinks once.
  - ▶ DMIPaddle C: the display indicates that a container or shelf stop position has been deleted by blinking „CLEAR“ several times.

## 8.5 CHANGING THE DISPLAYED UNIT OF MEASUREMENT (CM / INCH, DMIPADDLE C ONLY)

Paddle can display the height of the Table Top in both centimeters and inches. To change the displayed unit of measurement: at the same time press the Multi-Functional Key and push the paddle down. Hold it together for at least half a second or until the measurement unit changes on the display.

## 8.6 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.
-





The Position Reset Procedure is used to align the position of the Actuators within the Table System. It is required before first use of the Table System.

1. Gently push and hold down the paddle until the Table stops at the lower position limit.
2. Release the Paddle.
3. Push and hold down the Paddle again.
  - ▶ The Table will move down slightly, then up again.
4. Release the Paddle.
  - ▶ The Position Reset Procedure is complete.

---

**INFO** If your DYNAMIC MOTION system has been parameterized with additional stopping points (e.g. a Container Stop Position), repeat Step 3 until the Table has moved upwards again.

---

## 8.7 FACTORY RESET (SO RESET)

With this function, you can reset the DYNAMIC MOTION system to its factory settings.

1. Push and release the paddle in the following sequence:
  - ▶ 3x down followed by 1x up and 1x down with an approximate delay of half a second between the push and release each time.
2. The Handset indicates that the system has been reset:
  - ▶ DMIpaddle C: The display indicates SO by showing „---“ followed by blinking „O“ to inform that it is ready for position reset.
  - ▶ DMIpaddle B: LED starts blinking green after the reset.
3. Perform a position reset to finalize the procedure.
  - ▶ The DYNAMIC MOTION system has been reset to its factory settings. It is now in the same state as it was during the first start-up.



## 9 ADDITIONAL INFORMATION

### 9.1 DISASSEMBLY

To disassemble the DMIPaddle Family Handset, ensure that it has been disconnected from the Power Unit. Then, follow the assembly instructions for your chosen product in reverse order.

### 9.2 MAINTENANCE

All DMIPaddle Family Handsets are maintenance-free for their entire service lifetime.



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

Using a DMIPaddle Family Handset 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

1. Disconnect the system from the Power Unit.
2. Wait 30 seconds for residual voltage to dissipate.
3. Wipe the surface of the Handset with a dry or slightly damp soft cloth. Never immerse the Handset in liquid.
4. Wait for the Handset to dry completely.
5. Reconnect the Power Unit.



## 9.3 TROUBLESHOOTING

A list of common problems and their solutions can be found in the DYNAMIC MOTION System Manual. If your DMIPaddle Family Handsets are not functioning, a reset may be required. To reset, proceed as follows:

1. Unplug the DMIPaddle Family Handset from the Power Unit
2. Wait for 10 seconds.
3. Plug the DMIPaddle Family Handset back into the Power Unit.
4. Wait for 10 seconds.
  - ▶ The DMIPaddle Family Handset is ready for operation.

## 9.4 DISPOSAL



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



**LOGICDATA**  
**Electronic & Software Entwicklungs GmbH**  
Wirtschaftspark 18  
8530 Deutschlandsberg  
Austria

Phone: +43 (0)3462 5198 0  
Fax: +43 (0)3462 5198 1030  
E-mail: [office.at@logicdata.net](mailto:office.at@logicdata.net)

**LOGICDATA North America, Inc.**  
13617 Woodlawn Hills Dr.  
Cedar Springs, MI 49319  
USA

Phone: +1 (616) 328 8841  
E-mail: [office.na@logicdata.net](mailto:office.na@logicdata.net)



[www.logicdata.net](http://www.logicdata.net)