



## Joystick Adapter Cable Omni – Easy Rider

M002-90

### Contact & Product

**mo-Vis BVBA**

Biebuyckstraat 15 D  
9850 Nevele - Belgium



Website: [www.mo-vis.com](http://www.mo-vis.com)  
E-mail: [contact@mo-vis.com](mailto:contact@mo-vis.com)  
Telephone: +32 9 335 28 60

**User & Installation manual**

Produced and published by  
mo-Vis bvba, Belgium  
Edition 1, July 2015  
Manual item: D-M002-90-70

### Contents

Contact & Product	1
Contents	1
Important information about this Manual	2
Support, scrapping and spare parts	3
Warranty	3
Safety precautions	4
Design and function	6

Installation instructions -----	6
Using the Joystick Adapter Cable -----	7
Maintenance-----	8
Technical data -----	8

## Important information about this Manual

Congratulations for choosing a mo-Vis product! If you would like to learn more about mo-Vis and its products, we invite you to visit our website: [www.mo-vis.com](http://www.mo-vis.com).

Before you install or begin using this product, it is important that you read and understand the content of these installation and operating instructions, the safety instructions in particular.

The installation instructions will guide you as an installer through the options and possibilities with the mo-Vis product.

The operating instructions are primarily intended to acquaint you with the functions and characteristics of the mo-Vis product and how you can use it in the best manner possible. They also contain important safety and maintenance information, as well as describe possible problems that can arise during use. Always keep the operating instructions handy in connection with your wheelchair, since the need for important information can arise concerning its use, safety and maintenance.

All information, pictures, illustrations and specifications are based on the product information that was available at the time of printing. Pictures and illustrations shown in these instructions are representative examples and are not intended to be exact depictions of the various parts of the product.

We reserve the right to make changes to the product without prior notice.

### ***Ordering documentation***

You can download additional copies of this User & Installation manual on the mo-Vis website: [www.mo-vis.com](http://www.mo-vis.com).

## Support, scrapping and spare parts

### ***Technical support***

In case of technical problems, we advise you contact your dealer.

If the dealer is not available, or unknown, please contact mo-Vis bvba by email [support@mo-vis.com](mailto:support@mo-vis.com) or by phone +32 9 335 28 60.

Always state the device serial number when contacting mo-Vis. This ensures you are provided with the correct information.

### ***Spare parts and accessories***

Spare parts and accessories must be ordered by the dealer at mo-Vis bvba.

### ***Scrapping & recycling***

For scrapping, adhere to your local waste legislation.

Dispose of obsolete electronic parts responsibly in accordance with local recycling regulations.

## Warranty

mo-Vis bvba warrants the unit to be free from defects in material and workmanship for a period of 2 years under proper use, care and service. All warranties only cover parts and do not extend beyond the initial purchaser from an authorised mo-Vis dealer.

### ***Start of the warranty period***

Each warranty shall begin on the date the product is first delivered to the customer.

### ***Repair and replacement***

For warranty service, we advise you contact the dealer from whom the product was purchased. In the event of a defect in material or workmanship, the dealer must obtain a return authorisation (RA) number from mo-Vis and the product must be shipped to a service centre designated by mo-Vis. mo-Vis will repair or, at mo-Vis' option, replace any product covered by the warranty.

### ***Disclaimer and Limitations of Remedies***

The express warranties set forth in this agreement are in lieu of all other warranties of merchantability or fitness of purpose. In no event

shall mo-Vis be liable for any direct, indirect, incidental or consequential damages resulting from any defect in this product. Warranty of parts subject to “normal wear and tear” (e.g. pads, joystick balls, batteries ...) are not covered in the warranty except as it applies to defects in material or construction.

### ***Amendments***

No person is authorised to alter, extend or waive the warranties of mo-Vis.

### ***Voiding of warranties***

The foregoing warranties are contingent upon the proper installation, use, maintenance and care of the product. The warranty will be void if the product has been installed or used improperly, or if it has been repaired or any part replaced by persons other than mo-Vis or an authorised dealer. The unit is considered as a non-serviceable part.

The addition of equipment or features that are not manufactured or recommended by mo-Vis could affect the intended function of the mo-Vis product and may invalidate the warranty.

### ***Understanding usage***

The health care professional (authorised installer) is responsible for understanding the intended use of the mo-Vis equipment, the specifications and its programming parameters. mo-Vis cannot be held responsible for damage caused by incorrect installation or incorrect use of the product. Misuse, mishandling, or storage is not covered by this warranty.

## **Safety precautions**

### ***General***

The Joystick Adapter Cable Omni – Easy Rider is intended to be fitted on an Easy Rider, Magic Drive or Drive Link interface.

Incorrect use or installation may lead to risk of injury to the user and damage to the wheelchair or other property.

In order to reduce these risks, you should carefully read this instruction manual, paying particular attention to the safety instructions and warning texts.

Any unauthorised use of the product may lead to increased risk of accident. Carefully follow the recommendations in this manual in order to prevent accidents from use.

The Joystick Adapter Cable Omni – Easy Rider is a non-serviceable part.

In case of doubt for alterations and adjustments, always contact a qualified service engineer.

### **Warning labels**

This manual contains the following warning labels, which are intended to draw attention to situations that could lead to unwanted problems, e.g. personal injury or damage to the wheelchair.



#### **CAUTION!**

*Please use caution where this symbol appears.*



#### **WARNING!**

*Please use extreme caution where this warning symbol appears. Failure to observe warnings can lead to personal injury or property damage.*



#### **CAUTION!**

##### **Limited liability**

*mo-Vis accepts no liability for personal injury or damage to property that may arise from the failure of the user or other persons to follow the recommendations, warnings and instructions in this manual.*



#### **CAUTION!**

##### **EMC Requirements**

*The electronics of a power wheelchair and its options can be affected by external electromagnetic fields (for example from mobile telephones). Similarly, the electronics of the wheelchair or options themselves can also emit electromagnetic fields that can affect the immediate surroundings (for example certain alarm systems in businesses).*

*The limit values for Electromagnetic Compatibility (EMC) with respect to power wheelchairs are set in the harmonised standards for the EU in the Medical Devices Directive, No. 93/42/EEC. The Joystick Adapter Cable Omni – Easy Rider complies with these limit values.*



## **WARNING!**

### **Assembly**

*The unit should only be installed or adjusted by a qualified service engineer or someone with adequate knowledge to perform the adjustment in an expert manner.*

### **Maintenance and service**

*Carry out only the service and maintenance activities specified in this manual, as long as you comply with the demands stated in this manual for a specific action. All other service, alterations to and interventions on the Joystick Adapter Cable Omni – Easy Rider must be carried out by a qualified service engineer or someone with adequate knowledge to perform the adjustment in an expert manner. In case of doubt, contact a qualified service engineer or mo-Vis.*

*Use only spare parts or accessories approved or recommended by mo-Vis. All other use could lead to changes which might impair the function and safety of the product. It could also lead to the warranty becoming void.*

## Design and function

### **Intended use**

The Joystick Adapter Cable Omni – Easy Rider may only be used to connect a mo-Vis Omni device to an Easy Rider, Magic Drive or Drive Link interface.

Do not use the Joystick Adapter Cable Omni – Easy Rider to connect a non mo-Vis device, as this may damage the device, the wheelchair and/or its peripherals.

## Installation instructions

### Preparations

#### **Qualified service engineer**

Only a qualified service engineer may install the Joystick Adapter Cable Omni – Easy Rider.

## Connecting the the Joystick Adapter Cable Omni – Easy Rider

### **WARNING!**



*All wheelchair electronics must be switched off before connecting any cabling.*

Connect the Joystick Adapter Cable Omni – Easy Rider as follows:

1. Connect the DIN 8-pin plug of the Adapter Cable to the Easy Rider “Joy in” socket.



### **WARNING!**

*Firmly secure the DIN 8-pin plug.*

2. Connect the mo-Vis Omni Joystick to the SUB D9 plug of the Adapter Cable.
3. Guide and secure all cabling on the wheelchair.



### **WARNING!**

*Mind damaging the unit and wiring. Make sure the cabling is mounted in such a way the excessive wear and tear is avoided.*

4. Switch on the Easy Rider / Magic Drive / Drive Link interface.
5. Test according to the mo-Vis joystick test plans.

## Using the Joystick Adapter Cable Omni – Easy Rider

### Use conditions

The Joystick Adapter Cable Omni – Easy Rider is intended for use as installed by the dealer, in accordance to the installation instructions in this manual.

The foreseen use conditions are communicated by the dealer or service engineer to the user and/or attendant during the first time use.

## Troubleshooting

Below, is a list of possible problems and their probable cause.

Problem	Possible cause	Remedy
Wheelchair does not react to joystick actions.	Disconnected cable.	Reconnect cabling.
	Damaged wiring of the adapter cable.	Replace the unit.
	Faulty joystick.	Check the joystick.

If the problem persists after intervening, please contact your local dealer or mo-Vis to attend to the problem.

## Maintenance

### *Cleaning*

- Gently remove dust and dirt with a damp cloth.
- The use of non-aggressive disinfectant cleaning agents is allowed.



### **WARNING!**

*Do not immerse the unit in water or use excessive amounts of liquid.*

### *Unit maintenance*

The Joystick Adapter Cable Omni – Easy Rider is maintenance-free. Under regular use circumstances, the unit does not require additional maintenance.

## Technical data

### *Name*

- Joystick Adapter Cable Omni – Easy Rider (M002-90)

### *Connections*

- Easy Rider DIN 8-pin plug (male connector)
- Omni (SUB D9) plug (male connector)



Installation date: . . / . . / . . . .

Dealer: . . . . .

***Dealer stamp:***

