NORMAL MODE
INPUT = JOYSTICK
Problems are there to be solved.

That is the idea behind MagicDrive+, our alternative manoeuvring system. No matter what the handicap, it should be perfectly easy to steer and use the wheelchair actively.

This system is so flexible that it solves most problems. A slight turn of the head or the slightest movement of a finger is enough.

MagicDrive+ includes a number of different functions which are connected to the basic unit. In practice this is how the electronics can be customised to the needs of the user of the chair. Each chair is adapted to the individual person.

It is well known that advanced technology makes things possible which previously were unthinkable. For many disabled people the MagicDrive+ means being able to do things themselves instead of being forced to ask for help.
BENEFITS OF MAGICDRIVE+ ENVIRONMENTAL CONTROL

With an integrated control system you can not only control your wheelchair in a self-reliant and independent way, but can also operate your communications and environment equipment - and all this with the same display.

Available on wheelchairs for both adults and children.

The built-in infrared transmitter contains a number of fixed codes whereby remotely controlling switches, a computer mouse and a telephone are some of the possibilities.

The MagicDrive+ EC graphical display can also be used separately from the wheelchair (stand-alone). This means that it is not necessary to purchase a second system.

A simple and flexible configuration makes it possible to set up the MagicDrive+ EC according to your personal wishes.

Simple control of the MagicDrive+ EC by means of a clear display with text, icons or speech, and a well-thought-out menu structure. Available in Dutch, German, English, French and Italian.

The standard infrared transmitter can ’learn’ up to 200 codes from existing remote controls. In this way a large part of the environment can immediately be controlled.

Various optional modules are available that make the MagicDrive+ EC the most complete system on the market.

Easy to reissue on account of an extensive and standard installation package.

On account of the wide choice of special controls such as joystick, mini-joystick, finger- joystick, scanning, etc., there is a solution for operating the MagicDrive+ EC available to everyone.

The set-up can easily be modified by the user and the dealer themselves.

The plug & play system ensures that applications and operating methods are quick and easy to realise. Furthermore there is then no new system needed.

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CONTROLS

MagicDrive+

Joystick
All functions are joystick operated.

Wheelchair tray control
Joystick is integrated in wheelchair tray.

Finger control
Functions as a joystick, which can be controlled with a minimum force of the finger.

Mini-joystick
A minimum force is required to operate the wheelchair with a finger or the chin, for instance.

ISO joystick
Sensitive and very small joystick that can be controlled with extremely small movements.

Tablet control
The tablet control is a durable, flat control tablet where one’s own hand acts as a proportional joystick.

Proportional foot control
The wheelchair and environment can be completely controlled using the foot.

Chin control
A control panel is fitted to a bracket attached to the backrest.

Head control
Using the head control support unit, the user can control the wheelchair with head movements.

Proportional head control
The head control is a replacement type of joystick for the standard proportional joystick.

Sip & puff
A special control operated by mouth and lips.

Multi switch control
1 to 5 external switches can be connected as driving and steering controls.

Gyro
The electronic Gyro ensures that the wheelchair keeps to the specified course when running with switch control.

Switch box
This switch box puts the user in a position to change the joystick.

Hand warmer
The hand warmer produces a constant heated flow of air that keeps the hand warm.
SWITCHES

Scan Select Switch
By gently touching the switch the desired function is activated.

Scan Select Touch Switch
By touching the touch contact the desired function is activated.

Buddy button
Functions as external switch.

Plate switch square
85 mm

Grasp switch

Mini cup switch

Cup switch

Micro light switch

Wafer switch

Mini-joystick with 5 switches

Steer with your mouth … … or with your head … … or with your chin.

What do you need the chair to do?
New controls are easily connected with our plug and play system.

MagicDrive+ EC does not only control the wheelchair. It can also control the TV, the radio and lighting in house by means of an integrated control system.

Extensive and standard installation package ensures that the MagicDrive+ EC control and the wheelchair are easy to reissue.
INTERFACE CABLES

BINDERS – 3.5 mm Jack adapter
If the graphical display is used in stand-alone mode, a function switch can be connected to the graphical display using the BINDER – 3.5 mm Jack adapter as an adapter cable.

BINDERS – DIN3P adapter
If the graphical display is used in stand-alone mode, a function switch with a touch contact can be connected using the BINDER – DIN3P adapter as an adapter cable.

BINDERS – SUB9P adapter
If the graphical display is used in stand-alone mode, a function control in combination with the multi-switch control can be connected using the BINDER – SUB9P adapter as an adapter cable.

BINDERS – joystick adapter
- The BINDER – joystick adapter is equipped with one 3-pole and one 8-pole DIN adapter.
- The following can be connected to the 8-pole DIN BINDER – joystick adapter:
  - all joysticks that are used in combination with the MD+ EC.
  - all special forms of operating the MD+ EC in combination with stand-alone.
- The following can be connected to the 3-pole DIN BINDER:
  - a touch contact.
  - all individual switches with the aid of the DIN3P – 3.5 mm Jack adapter.

DIN3P – 3.5 mm Jack adapter
The DIN3P – 3.5 mm Jack adapter cable is an adapter cable between the interface and a function switch. Any switch required can be connected to a 3.5 mm Jack plug.

SUB9P – 3.5 mm jack adapter for extra key
With the SUB9P – 3.5 mm Jack adapter as an adapter cable it is possible to connect an extra switch to the MD+ EC interface. This can be used as the right mouse button of the computer mouse, provided this is a 3.5 mm Jack plug connector.

SUBD9P – DIN3P adapter for extra key
Using the SUBD9P – DIN3P adapter as an adapter cable it is possible to connect an extra contact switch to the MD+ EC interface. This can be used as the right mouse button switch for the computer mouse. The touch contact can be connected to it directly.
MagicDrive+ Environmental Control

Easy Phone
Standard telephone containing an infrared receiver.

Easy Mobile
Phoning with mobile phone.

Easy Game
To play games, e.g., on a computer, connect to USB ‘Game’ port.

Easy Mouse
Connected to USB port, replaces standard computer mouse and is controlled by the wheelchair control using infrared codes.

Easy Output
For use in controlling extra operating possibilities such as an intercom, door, or handheld transmitter.

Infrared (IR) receivers
Can be connected to an apparatus that does not have more than two functions or that needs more than two functions, and has no infrared connection.

Battery unit
The battery unit makes it possible that the MD+ EC system with LCD display can also be used as stand-alone on an appliance such as an armchair or a bed.

Easy Messenger
Record messages and play via a menu for users who have communication difficulties.

Beam-it
Beam-it is an infrared (IR) system whereby all sorts of possible electric household equipment can be remotely operated.

Easy 2 Actuator
The Easy 2 actuator is used when the standard five wheelchair adjustments are not enough. It makes it possible to operate more electric adjustments.

Easy Talker
Auditory menu feedback for people with bad eyesight.

Radio Frequency (RF) receiver
Radio Frequency (RF) signals pass through walls and doors. The module can be connected to equipment that cannot be controlled using infrared signals.
MAGICDRIVE+ ENVIRONMENTAL CONTROL: THE TOTAL SOLUTION

The MagicDrive+ EC offers as standard possibility to read in 200 infrared codes and directly control the environment.

MagicDrive+ EC LCD display

Garage door

Oven

Beam-it

Coffee maker

Beam-it

Mobile phone

Easy Mobile

Lamp

Gas fireplace

IR receiver 2 channels

TV / Video

Socket

Beam-it

Computer

Easy Mouse / Easy Game

Door opener

Intercom

Shutters

Bed

IR receiver 8 channels

Handheld transmitter

Easy Output

Hifi

Optional on MagicDrive+ EC

Standard on MagicDrive+ EC
The wheelchair will speed up by simply walking faster.

The control system responds instantly when you regulate the direction or speed.

The most important thing, obviously, when assistants operate a wheelchair is that it should also be easy to control for those who are not sitting in it. Co-pilot is a thoroughly tested, safe and is an entirely new system for a wheelchair to be driven by an assistant. The system responds to direction and speed instantaneously, so you can travel in any direction at the drop of a hat.

The ergonomically shaped handles ensure Co-pilot is easy to operate.

To steer the wheelchair hardly any muscle power is needed.

The wheelchair will speed up by simply walking faster.

Thoroughly tested and safe.
Permobil offers a total package of services and products:

- Your custom-made Permobil wheelchair
- Individual and free advice
- Installation
- Training
- Special wheelchair controls
- Environmental control
- Domotica
- Quick and reliable service

Please contact your Permobil representative or dealer for more information.