

Advanced-Control-System 2



Control...at your fingertips



The *Invacare* **Advanced-Control-System ACS2** is a modular wheelchair control system that can be customised to suit a wide range of needs. It controls all functions on a power wheelchair – from driving and seat adjustments to lights and peripheral functions.

ACS2 features power and actuator modules in response to demands such as higher clinical requirements, refurbishment and cost optimization.



Simple programming

In its simplest configuration, a power wheelchair can be controlled with just two **ACS2** modules.

The master-remote **REM550** has a colour LCD screen with menu guidance for visual feedback. It features reduced set up time through system programming back-up and is backward compatible with the DX system.

Advanced actuator control

- Smooth fine control of actuators
- Choice of 2 or 4 actuator control modules
- Actuator speed proportional to joystick movement
- Combination of modules to control up to 12 actuators
- Simultaneous movement of several actuators
- Sense input for intelligent control of speed, stop etc.

Highly flexible

ACS2 is highly cross-compatible with other modules from the range. Additional modules make the **ACS2** even more flexible.

Selecting the right modules can optimise low cost applications, and upgrades are possible at any time.

A standard master input device can be substituted with any other from the **ACS2** family; attendant control, external joysticks and switches can be added to make life simpler for users. Input devices such as head controls, scanner, or mini-joystick are also available.

ACS2 modularity is supported by daisy-chaining with the DX-bus cable; it is backward compatible, as is the handheld programmer and PC-software Wizard.

iPortal2

iPortal2

- The **iPortal2** is a power wheelchair accessory that incorporates bluetooth for pairing the wheelchair controls with a PC and iOS devices
- Simple switching between devices



Applications and versions: Dashboard App, Accessibility and Mouse control

- **iPortal2** connects to an iPhone, iPod touch or iPad to display wheelchair information in real time on the Dashboard App.
- Accessibility allows to control the iDevice via an joystick or alternative input device, thus to make calls, surf the net, type text and join the online world.
- Pairs the computer and the wheelchair for full mouse control and access to PCs, laptops and tablet computers from the power wheelchair joystick or special input device such as head control.



Features and options



Power modules

The power modules range from 70 ampere version without lights up to a 90 ampere power module with integrated lights and **G-Trac**. All power modules feature a current boost function. Available power modules:

- PM70, 70A current
- PM70L, 70A current incl. light function
- PM90L, 90A current incl. light function
- PM90GL, 90A current incl. light and **G-Trac**



Actuator modules

Actuator control modules translate the actuator movement proportional to the joystick movements. They can be programmed to switch input, latch mode and soft start and stop.

- ACT2 for 2 actuators
- ACT4 for 4 actuators
- Combination of 2x ACT2 and 2xACT4 possible

REM550

- Large, clear colour LCD screen
- Light sensor to select indoor and outdoor display mode
- Low-force joystick with proportional or four quadrant control
- Programmable function keys to give direct access to chair functions
- Three jack sockets for multi-purpose external button control
 - Menu guided, soft keys
 - Real-time clock
- Mirror back-up function



Options - Classical Modules

REM550 graphical user interface

- Simpler menu
- Less visual clutter
- More contrast
- Larger icons



REM 24SD

- Traditional remote
- 7-segment display
- Light & actuator function
- Jack sockets



REM A

- Compact remote
- Clear operation panel
- Up to 4 actuators
- Mirror function
- Excludes light



REM B

- Compact remote
- Function as of REM A
- Additional function for light, direction indicator, hazard light



G91 S

- High-end display remote
- Needs & accepts proportional or switched inputs
- Three jack sockets
- Scanning mode (G91S)
- Actuator & environmental control



Dolphin REM34B

- Inclined keypad remote
- 12 buttons with icons
- 7 segment LED display
- Horn, battery gauge and magnetic key lock



REM G90A

- Compact remote
- 7-segment LED display
- Actuator control
- Jack sockets for switches



Tray control REM41D

- Tray or centre mounting
- Dedicated buttons
- 7 segment LED display
- Horn, battery gauge and key lock



Options - Secondary Joysticks



Compact dual control

- Low profile design attendant remote
- Selection of "who's in charge" option
- Tri-colour battery gauge
- Simple operation



Compact secondary remote (standard & low force)

- Low profile design secondary remote
- 5 LEDs, to indicate what drive profile is selected
- Low Force joystick option with a deflection force of just 1.1 N



Low force joystick (DX-RJM-MEC)

- Suited for users with low strength
- Fully proportional mini joystick
- Option of fitting a finger cup, cork ball or rubber tip
- Mounting options:
 - Gatlin clamp mount
 - Tray mount
 - Nucleus swing-away mount



DSL-105 Head control series

- Non-contact, non-proportional control provides dependable control for users with high or low muscle tone
- Available in different sizes, starting with the DSL-105 Mini which is suitable for paediatric users or for those who want a minimally sized head control
- Non contact sensors provide more natural "where you look is where you go" control
- Side wings adjust in and out to fine tune positioning to users head
- Sensors easily disconnect to allow for first time mobility users to experience the control one function at a time, or for sensors to be allocated to different control directions
- 3 or 4 Quadrant set ups possible



Dual Control IDC

- Intuitive attendant control
- Button for speed control
- Pressure sensors for direction
- Panic stop function



ARC5

- Separate control for up to 5 actuators
- Individual push buttons
- Position anywhere

For more comprehensive pre-sales information about this product, including the product's user manual, please see your local Invacare website.



Scan here to access the website.

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