

# Invacare® | **Advanced-Control-System 2**



## **Control...at your fingertips**

The Invacare **Advanced-Control-System ACS 2** is the successor to the highly successful, existing **ACS** and controls all functions on a power wheelchair – from driving and seat adjustments to lights and peripheral functions.

**ACS 2** introduces new power and actuator modules in response to new demands such as higher clinical requirements, refurbishment and cost optimization.

Users will appreciate the introduction of a coloured LCD screen and a mirror function for simplified reprogramming.

The modules of **ACS 2** are to a large degree backward compatible, experienced users can directly transfer their knowledge.





### Simple programming

In its simplest configuration, a power wheelchair can be controlled with just two **ACS 2** modules:

The master-remote **REM550** has a colour LCD screen with menu guidance for visual feedback as well as a mirror function for simpler programming.

The new power modules integrate the light function and support the mirror function.

### Advanced actuator control

- Choice of 2 or 4 actuator control modules
- Actuator speed proportional to joystick
- 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

**ACS 2** is highly cross-compatible with other modules from the range. Two new modules (3 remotes, 3 power and 2 actuator modules), make the **ACS 2** 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 **ACS 2** family; attendant control, external

joysticks and switches can be added to make life simpler for users. New input devices such as head controls, scanner, or mini-joystick are also available.

**ACS 2** modularity is supported by daisy-chaining with the DX-bus cable; it is backward compatible, as is the handheld programmer and PC-software wizard.

## Options - Classical Modules



### REM550

- Colour LCD-screen
- Menu guided, soft keys
- Real-time clock
- Mirror function
- Jacks for buddy buttons



### 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



### REM 24SD

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



### Dual Control IDC

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



### Ext. Joystick RJM

- Replaces internal joystick of remote
- Position anywhere
- Needs master remote



### Power Modules

- PM70, 70A current
- PM70L, 70A current incl. light function
- PM90L, 90A current incl. light function
- Current boost function



### Actuator modules

- ACT2 for 2 actuators
- ACT4 for 4 actuators
- Proportional, switched, latch mode, soft start
- Combination of 2x ACT2 and 2xACT4 possible
- Input for drive speed control



### ARC5

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

Options - Alternative Master Remotes



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



**Tray control REM41D**

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



**Head Control**

- Discrete mechanical sensors
- Two level switch-steering
- Forward-backward driving



**REM G90A**

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



**Small Chin Control**

- Compact dimensions
- Contains proportional and digital joysticks
- Free view to drive way
- Master remote needed

Options - Secondary joysticks and switches



**Finger Joystick VIC**

- Zero force
- Fully proportional
- Any angle mounting
- Needs master remote



**Heavy Duty Joystick RJM HD**

- Switch type joystick
- Allows rough handling
- 8 driving directions
- Tolerates spasms



**Wafer switch**

- A five switch unit
- Low profile housing
- Large diameter of buttons
- Icons aid understanding