Invacare® **ACS 2 - The new** *Invacare®* **control**

Precision Control... at your fingertips

The *Invacare®* **Advanced-Control-System ACS 2** is the successor to the highly renowned original **ACS** system which 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 demands for higher clinical requirements, refurbishment and cost effective solutions.

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

The new **ACS 2** system offers backward and cross compatibility across the range to provide customers more choice when selecting a control system to suit their needs.

NEW

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.

Highly flexible

ACS 2 is highly cross-compatible with other modules from the range. The 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 customers. 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.

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.

Unique features

ACS 2 combines the function range of **ACS (1)** and **Shark**:
    • Seamless transition, from upgrading or backward compatible
    • Optimal matching of costs with functionality
Backward compatibility:
    • Bus cable and connectors remain the same
    • All new remotes can be used for face-lift on existing PWCs
    • Colour LCD screen with menu guidance
Mirror function
    • The programme is conserved when REM or PM is exchanged

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

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, soft start
- Combination of 2x ACT2 and 2xACT4 possible
- Input for drive speed control

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

Ext. Joystick RJM
- Replaces internal joystick of the master remote
- Position anywhere
- Needs master remote to function

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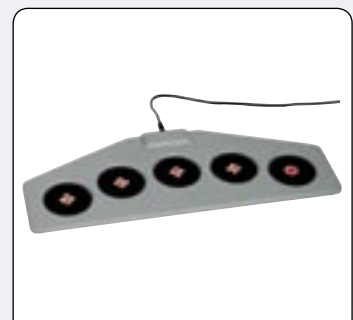- Master remote needed

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

All measurement have been done under the Invacare® standard test conditions, unless quoted differently. All information quoted is believed to be correct at time of print. Invacare® reserves the right to alter product specifications without prior consultation.

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