



Yes, You Can.®



*Invacare*® **IDC**

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**Attendant Control  
Operating manual**



## How can you get in touch with Invacare®?

If you have any questions or need support, please contact your authorised Invacare® Dealer, who has the necessary know-how and equipment plus the special knowledge concerning your Invacare® product, and can offer you all-round satisfactory service. Should you wish to contact Invacare® directly, you can reach us in Europe at the following addresses and phone numbers.

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# 1 Intended use

The IDC can be used to transmit control of the electric wheelchair from the driver to an attendant. The IDC is not suitable for the wheelchair driver himself.

The attendant walks behind or to the side of the wheelchair, and can intuitively determine speed and direction of movement by pressing a handle with minimum force. Adjustments can also be made to the wheelchair using special programs.

Once he activates the IDC, the attendant takes over complete responsibility for the wheelchair and its driver.

The IDC can only be used in connection with the remote on the wheelchair, and is restricted to ACS electronics.

## 2 IDC attendant control

### 2.1 Attendant control setup

#### Top side (standard)

- 1) "Reverse gear activated" LED
- 2) "Wheelchair driver in control" LED
- 3) Regulator for maximum speed
- 4) "Attendant in control" LED
- 5) "Driver/attendant" switchover button
- 6) "ON/OFF" LED
- 7) "Forwards or reverse gear" pushbutton
- 8) Steering handle



## Bottom

- 1) Connection socket for bus cable
- 2) Pushbutton for driving / emergency stop





## 2.2 General information



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### **Can the IDC be used for wheelchairs with direct steering?**

The IDC can be used irrespective of whether the wheelchair has direct or indirect steering.

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### **Which electronic systems is the attendant control compatible with?**

The IDC is only compatible with wheelchairs which use the ACS system since special connections need to be available. The IDC attendant control only functions in connection with a master remote. Please contact your Invacare® dealer for more information.

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The IDC is switched on and off using the remote on the wheelchair. The wheelchair driver cannot switch back to his own mode by himself using the remote, this can only take place via the IDC.

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## 2.3 Fitting the IDC to the wheelchair



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### Requirements:

- For standard bracket: jaw spanner 8 mm
  - For adjustable bracket: Allen key 4 mm and jaw spanner 8 mm
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The IDC is fitted to the wheelchair using a bracket on the push handle. There are two variations, one is adjustable and one is fixed (standard). The bracket clamp is fixed with four bolts (1).

- Fix the bracket onto the wheelchair push handle as shown in the figure on the right.
  - Position bolts (1). Use nuts for the adjustable bracket.
  - Tighten the bolts, prevent nuts from turning if necessary.
- 
- Attach the attendant control to the mounting plate (1).
  - Tighten the clamping lever (2).



## 2.4 Connecting the attendant control to the electronics



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The intuitive attendant control takes over control of the wheelchair and may only be used by an attendant. It is imperative that the wheelchair driver himself is not allowed to operate the attendant control.

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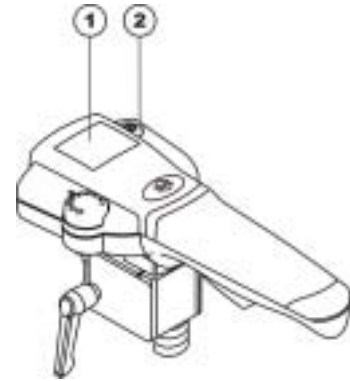
Fitting should only be carried out by an Invacare® approved dealer. When fitting, please ensure that the bus cable is routed and fixed correctly so the damage to the bus cable is avoided.

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- Switch the wheelchair electronics off at the remote.
- Connect one end of the bus cable to the IDC, the other end to a free bus socket on the wheelchair.
- If no bus socket is free on the wheelchair, you will have to order a T-adapter from your Invacare® dealer.
- The attendant control is now connected to the drive.

## 2.5 Starting up the attendant control

- Switch the wheelchair off at the remote, then on again, and wait until the system check which takes place automatically every time the electronics is switched on is complete.
- The "ON/OFF" and "Wheelchair driver in control" diodes on the attendant control display (1) will illuminate.
- Press the shift key (2) on the attendant control. This activates the attendant control, and the following operating displays are shown:
  - In the wheelchair driver's remote display: battery symbol (accumulator capacity display) and under this the letter "A" =Attendant.
  - In the attendant right control display (1): the "Attendant in control" diode on the right illuminates



Please see the wheelchair operating manual for more information about the battery charging status display.

## 2.6 Adjusting the speed

The maximum speed of the wheelchair can be set by the user to match his personal requirements and the surrounding conditions. The current maximum speed set is displayed on the wheelchair speed display and can also be preset there. You can carry out further fine adjustments to the maximum speed on the IDC using the "Increase speed" and "Decrease speed" rotary knob (1). In addition, the speed increases the more the drive button is pulled.



## 2.7 Controlling the wheelchair with the IDC

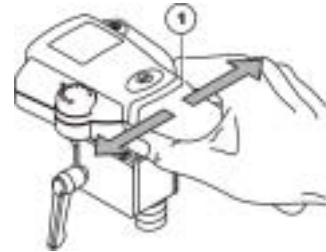
- Switch on wheelchair via the joystick box. The displays on the remote illuminate. Preset the speed if necessary.
- Use the switchover button on the IDC to select attendant control. The wheelchair is ready to drive.
- Adjust the driving speed (rotary knob for driving speed - see section "**Adjusting the speed**" on page 9).
- Press the drive button to start the wheelchair moving.
- Adjust the maximum speed to match your walking pace.

You can set whether the wheelchair should travel forwards or backwards by pressing the switchover button for forwards or reverse gear (1). If reverse gear has been selected, the arrow (2) illuminates.



## 2.7.1 How to steer the wheelchair

The electronic system contained in the handle (1) registers the movement made by the attendant's hand. Slight pressure on the handle to the left or right is translated into a drive command for the drive wheels so that bends can be travelled without the need for much force.



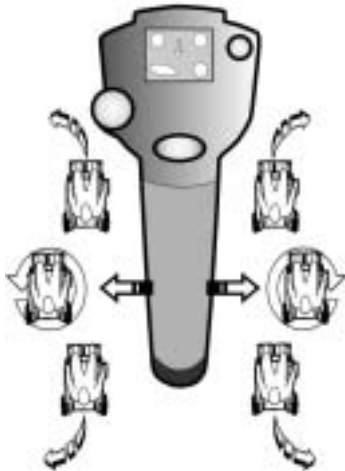
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When travelling in reverse gear, make sure you know whether the wheelchair has direct or indirect steering so that you know which direction you have to steer in, and then in which direction the wheelchair will actually travel. You should initially get used to the IDC attendant control in stages so that no hazards are posed for the wheelchair driver or others.

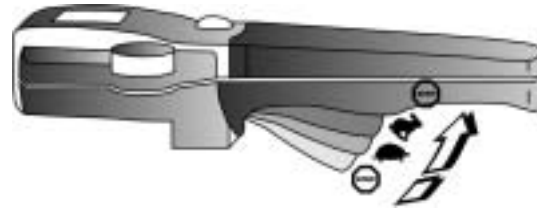
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## 2.7.2 How the wheelchair reacts to handle movements

Steering takes place by pressing the handle to the sides. Whether you are travelling forwards or backwards, you must touch the left-hand side of the handle to make the wheelchair turn to the left. If you touch the right-hand side of the handle, the wheelchair will turn to the right.



**Travel direction**



The more the button is pressed, the faster the wheelchair will drive.



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### **NOTE:**

To brake quickly, simply let go of the handle. The wheelchair will brake.

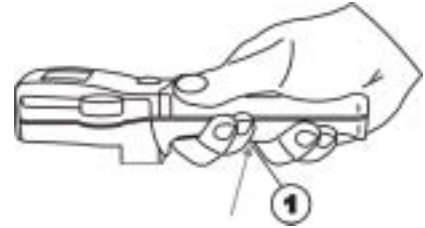
If you press the drive button with full force, the wheelchair will also carry out an "Emergency Stop"

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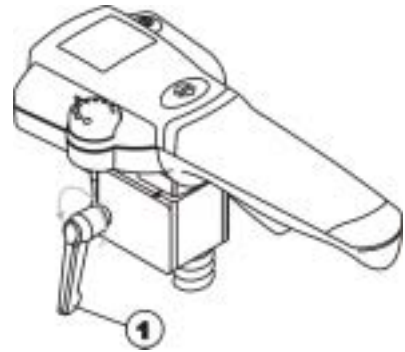
## 2.8 Information on the "Emergency Stop" function

If the wheelchair needs to be stopped immediately due to a hazard situation, pull the drive button (1) firmly out past the regular stop position. This causes an immediate forced drive switch-off. Once you release the drive button (1) you can start to drive the wheelchair again immediately.



## 2.9 Removing the attendant control from the wheelchair

- Switch the wheelchair off, and dismantle the individual parts in accordance with instructions in the operating manual.
- Only ever pull the control unit plug out of its socket by holding the housing, not the cable!
- Loosen the fixing lever (1) (rotates several times!) and pull the control unit out of the wheelchair bracket.



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**English**