



# *Invacare® G80i*

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*The remote  
Operating manual*



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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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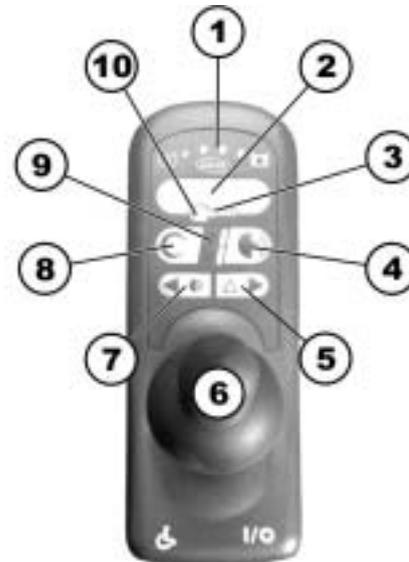
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# 1 The G80i remote

## 1.1 Layout of the Remote

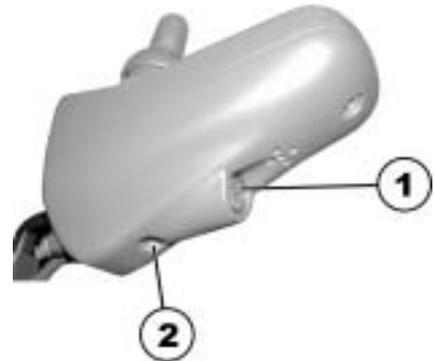
### Top side

- 1) Battery charge display
- 2) ON/OFF key
- 3) Drive-away lock (key symbol)
- 4) Horn
- 5) Direction indicator right (press briefly) / hazard lamp (press for longer)
- 6) Joystick
- 7) Direction indicator left (press briefly) / lights (press for longer)
- 8) Drive level/setting mode
- 9) Drive mode display (drive and adjust mode)
- 10) ON/OFF diode (status bar indicator)



## Bottom

- 1) Charging socket
- 2) Socket for programming device



## Rear side

- 1) Socket for Buddy Button drive mode
- 2) Socket for Buddy Button ON/OFF



## 1.2 ON/OFF diode (status bar indicator)

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### NOTE:

The ON/OFF diode also serves as a status and error message display. For more information on error codes see Chapt. **Error Codes** on page 15.

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## 1.3 Battery charge display

- All diodes illuminate: **Maximum driving range!**
- Only red diodes illuminate:  
**Decreased driving range!**
- Both red diodes blink:  
**Very low driving range!**
- Only one red diode blinks:  
**Battery reserve = charge batteries immediately!**

Battery charge display



### NOTE:

Total discharge protection: After a certain drive time on reserve battery power the electronics switches the drive off automatically and the wheelchair will be immobile.

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## 1.4 Activate / deactivate drive-away lock

### Activate drive-away lock

- Switch on remote.
- Run the end of the magnetic key (Invacare® Logo) over the sensor area (1) on the remote (key symbol). The signal horn will sound once briefly. The remote switches off automatically. The drive-away lock is activated.

### Deactivating the drive-away lock

- Switch on remote. The status bar indicator blinks slowly in red.
- Run the end of the magnetic key (Invacare® Logo) over the sensor area (1) on the remote (key symbol).

Drive disabler



Magnetic key



## 1.5 Steering the wheelchair with the remote.

- Switch on remote (ON/OFF key). The displays on the remote illuminate. The wheelchair is ready to drive.
- Set the drive level ("Drive level/setting mode" button - see section "**Layout of the Remote**" on page 5).
- The drive level display shows speed 1 (slow) up to 5 (fast).



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### **Can the electronic system programming be adapted?**

The electronic controller is programmed with standard values during manufacture. Your Invacare® dealer can carry out programming tailored to fit your requirements.

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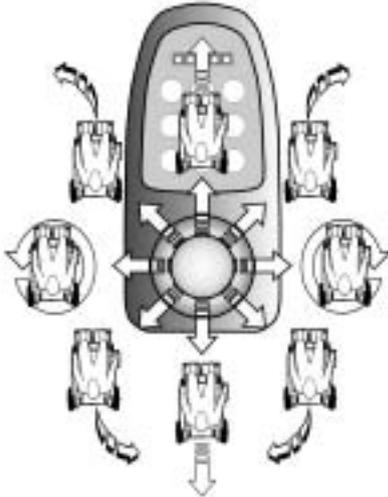
### **Will the wheelchair not drive after switching on?**

Check the drive-away lock (see chapter "**Activate / deactivate drive-away lock**" on page 8) and the status bar indicator (see chapter "**ON/OFF diode (status bar indicator)**" on page 7.).

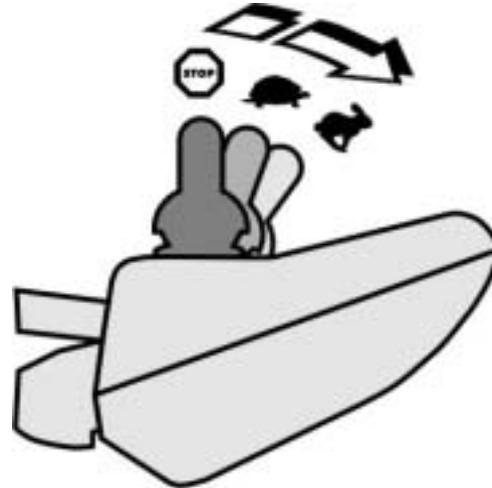
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## 1.5.1 How a wheelchair with "Indirect Steering" reacts to joystick movements.

"Indirect Steering" occurs by individually applying power to the drive wheels, and is found on wheelchairs with front, rear and middle wheel drive.



Travel direction



The further the joystick is moved in a particular direction, the more dynamically the wheelchair reacts.



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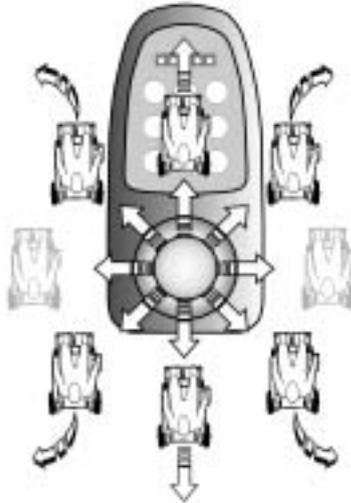
### Note:

To brake quickly, simply let go of the joystick. It will then automatically return to the middle position. The wheelchair will brake.

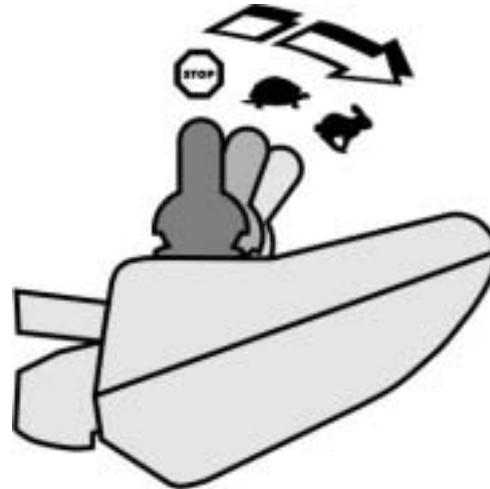
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## 1.5.2 How a wheelchair with "Direct Steering" reacts to joystick movements.

Steering is operated by means of a servo motor.



Travel direction



The further the joystick is moved in a particular direction, the more dynamically the wheelchair reacts.



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### Note:

To brake quickly, simply let go of the joystick. It will then automatically return to the middle position. The wheelchair will brake.

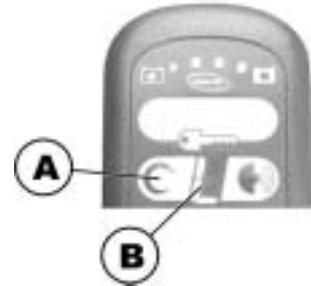
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## 1.6 Operating the electrical adjustment options

Electrical adjustment options, such as electrical leg supports or an electrical backrest, are operated by the joystick.

### 1.6.1 Activating light/setting mode

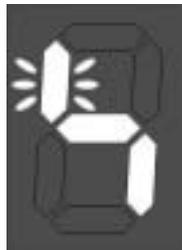
- Press the "Drive level/Setting mode" button (A) until the drive mode display (B) shows one of the symbols shown below.



Light



Seat tip



Backrest



Left-hand leg support



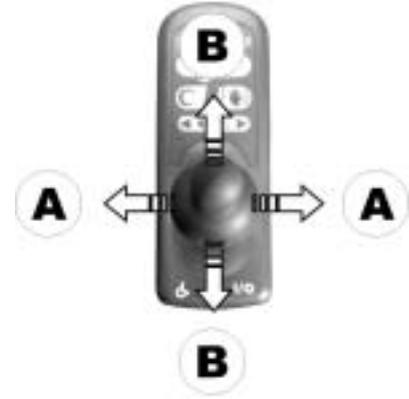
Right-hand leg support



Lifter

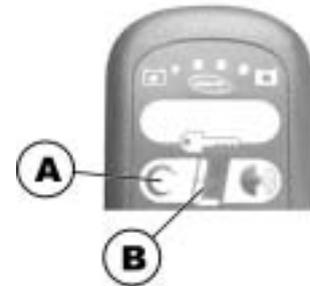
## 1.6.2 Selecting and actuating adjustment options

- Move joystick to left or right = select adjustment option (A).
- Move joystick forwards / backwards = carry out adjustment option (B).



## 1.6.3 Switch back to drive mode

- Press the "Change up drive mode" button (A) briefly. The remote will switch back to drive mode. The drive mode display shows the drive level (B).



## 1.7 Troubleshooting on the electronic control system

### Wheelchair slows down or doesn't move

Check:	Possible cause:	Direct remedy:	Further action (s):
Status display on joystick box extinguished?	<ul style="list-style-type: none"> <li>Power supply interrupted.</li> </ul>	<ul style="list-style-type: none"> <li>Check plug connection at joystick box.</li> </ul>	<ul style="list-style-type: none"> <li>Contact authorised dealer.</li> </ul>
	<ul style="list-style-type: none"> <li>Battery fully discharged.</li> </ul>	<ul style="list-style-type: none"> <li>Charge battery.</li> </ul>	<ul style="list-style-type: none"> <li>See operating instructions of charger.</li> </ul>
	<ul style="list-style-type: none"> <li>Battery defective.</li> </ul>	<ul style="list-style-type: none"> <li>Replace battery.</li> </ul>	<ul style="list-style-type: none"> <li>Contact authorised dealer.</li> </ul>
Status display on joystick box flashing?	<ul style="list-style-type: none"> <li>Various causes.</li> </ul>	<ul style="list-style-type: none"> <li>Check error code.</li> </ul>	<ul style="list-style-type: none"> <li>See Chapter 1.7.1</li> </ul>

### Red LED in battery charge display and status display flashing, driving mode display showing a horizontal bar.

Check:	Possible cause:	Direct remedy:	Further action (s):
	<ul style="list-style-type: none"> <li>Battery discharged.</li> </ul>	<ul style="list-style-type: none"> <li>Charge battery.</li> </ul>	<ul style="list-style-type: none"> <li>See operating instructions of charger.</li> </ul>

## 1.7.1 Error Codes

The drive electronics system is capable of clearing some faults automatically. In this case, the status display will stop flashing. To achieve this, switch the joystick box off and on again several times. Wait each time for about 5 seconds before switching the joystick box on again. If that does not eliminate the fault, identify the error by means of the flash codes listed below.

### Flash codes of status display on joystick box:

Flash code:	Meaning:	Direct remedy:	Further action (s):
1 x flash	Module defective.	-	<ul style="list-style-type: none"><li>• Contact authorised dealer.</li></ul>
2 x flashes	Error in accessories.	-	<ul style="list-style-type: none"><li>• Contact authorised dealer.</li></ul>
	Lifter is elevated.	<ul style="list-style-type: none"><li>• Lower lifter completely.</li></ul>	-
3 x flashes	Right motor error. Connection loose/defective.	<ul style="list-style-type: none"><li>• Check plug-and-socket connections.</li></ul>	<ul style="list-style-type: none"><li>• Contact authorised dealer.</li></ul>
4 x flashes	Left motor error. Connection loose/defective.	<ul style="list-style-type: none"><li>• Check plug-and-socket connections.</li></ul>	<ul style="list-style-type: none"><li>• Contact authorised dealer.</li></ul>

<b>Flash code:</b>	<b>Meaning:</b>	<b>Direct remedy:</b>	<b>Further action (s):</b>
<b>5 x flashes</b>	Error/brake error in right motor. Connection loose/defective or motor defective.	<ul style="list-style-type: none"> <li>• Check plug-and-socket connections.</li> </ul>	<ul style="list-style-type: none"> <li>• Contact authorised dealer.</li> </ul>
	Motors disengaged.	<ul style="list-style-type: none"> <li>• Engage motors. Switch joystick box off and on again.</li> </ul>	-
<b>6 x flashes</b>	Error/brake error in left motor. Connection loose/defective or motor defective.	<ul style="list-style-type: none"> <li>• Check plug-and-socket connections.</li> </ul>	<ul style="list-style-type: none"> <li>• Contact authorised dealer.</li> </ul>
<b>7 x flashes</b>	Battery fully discharged.	<ul style="list-style-type: none"> <li>• Re-charge battery.</li> </ul>	<ul style="list-style-type: none"> <li>• Contact authorised dealer.</li> </ul>
<b>8 x flashes</b>	Battery potential too high.	-	<ul style="list-style-type: none"> <li>• Contact authorised dealer.</li> </ul>
<b>9 or 10 x flashes</b>	Error in data transfer between modules.	-	<ul style="list-style-type: none"> <li>• Contact authorised dealer.</li> </ul>
<b>11 x flashes</b>	Motors overloaded.	<ul style="list-style-type: none"> <li>• Switch joystick box off and on again.</li> </ul>	-
<b>12 x flashes</b>	Compatibility problems between modules.	-	<ul style="list-style-type: none"> <li>• Contact authorised dealer.</li> </ul>

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**English**