



CE

Invacare® Shark

*Remote
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 The Shark remote

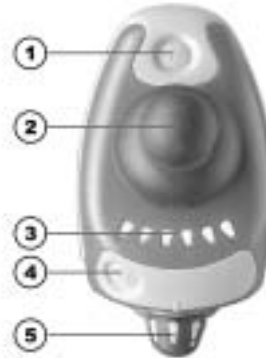
1.1 Remote layout

Top side (standard)

- 1) Horn
- 2) Joystick
- 3) Combined status display / battery charge display
- 4) ON/OFF key
- 5) Rotary knob for speed

Top side (with optional light controls)

- 6) Light
- 7) Hazard lights
- 8) Turn signals, left / right



Bottom

1) Combined charging socket / programming socket



1.2 Battery charge display



NOTE:

The battery charge display diode also serves as a status and error message display. For error codes see Chapter "**Error Codes and Diagnostic Codes**" on page 12.

- All diodes illuminate: **Maximum driving range!**
- Only yellow and red diodes illuminate:
Decreased driving range! Charge batteries before starting long journeys!
- Only red diodes illuminate:
Very low driving range! Charge the batteries as soon as possible!
- Only one red diode flashes:
Battery reserve = charge batteries immediately!

Battery charge display



NOTE:

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

1.3 Activating / deactivating the drive-away lock

Activating the drive-away lock

- Press the ON/OFF button (1) and hold it down for two seconds while the remote is switched on. The battery charge display switches off immediately. After two seconds, all the diodes illuminate briefly and the horn sounds. The drive-away lock is activated.

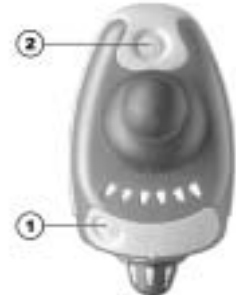
Deactivating the drive-away lock

- Switch the remote on using the ON/OFF key while the drive-away lock is activated. All the diodes on the battery charge display illuminate briefly once. After this, a slow countdown is shown from right to left.
- Press the horn button (2) twice before the countdown has finished. You have around 10 seconds to do this. The drive-away lock is deactivated.

Activating



Deactivating



1.4 Steering the wheelchair with the remote

- Switch on remote (ON/OFF key). The displays on the remote illuminate and the wheelchair is ready to drive.
- Adjust the driving speed (rotary knob for driving speed - see section "**Remote layout**" on page 5).



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.

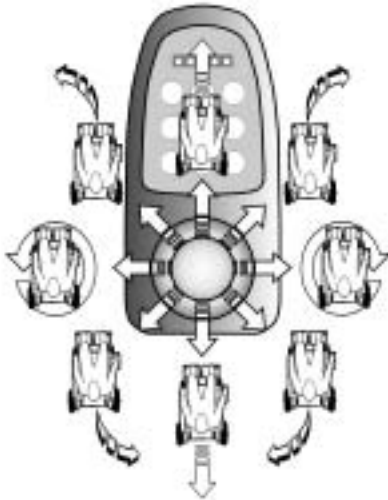


Will the wheelchair not drive after switching on?

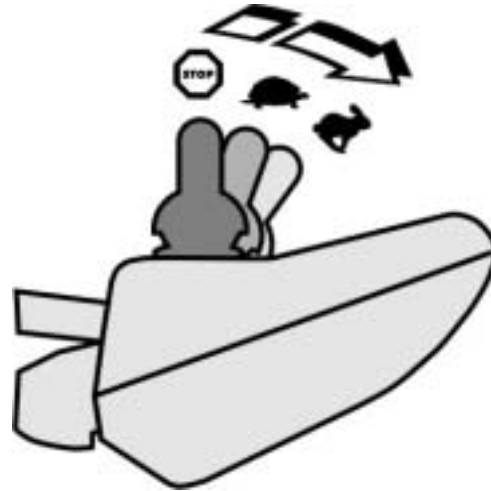
Check the drive-away lock (see chapter "**Activating / deactivating the drive-away lock**" on page 8) and the status bar indicator (see chapter "**Battery charge display**" on page 7.).

1.4.1 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.



Note:

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

1.4.2 Error diagnosis

If the electronic system shows a failure, please use the following guide to locate the fault.



NOTE:

Ensure that the drive electronics system is switched on before starting any diagnosis.

If the status display is OFF:

Check whether the drive electronics system is **SWITCHED ON**.

Check whether all cables are correctly connected.

Ensure that the batteries are not discharged.

If the battery charge display diodes are FLASHING:

Count the number of flashes and then proceed to the next section.

1.5 Error Codes and Diagnostic Codes

FLASH CODE	FAULT	EFFECT	Comments
1	User error	Stops driving	<ul style="list-style-type: none"> Ensure that the joystick is in the neutral central position (simply release the joystick) and switch on again.
2	Battery error	Stops driving	<ul style="list-style-type: none"> Check battery and supply cable. Charge batteries. If you switch the wheelchair off for a few minutes, the batteries can often recharge to such an extent that a short run is still possible. However, you should only do this in an emergency, as this causes the batteries to discharge excessively. Replace batteries
3	Fault on left-hand motor (M2)	Stops driving	<ul style="list-style-type: none"> Check motor cable and connecting plugs. Check motor.
4	Fault on right-hand motor (M1)	Stops driving	<ul style="list-style-type: none"> Check motor cable and connecting plugs. Check motor.
5	Error on left-hand (M2) wheel lock	Stops driving	<ul style="list-style-type: none"> Check cable and connecting plugs. Check brake.
6	Error on right-hand (M1) wheel lock	Stops driving	<ul style="list-style-type: none"> Check cable and connecting plugs. Check brake.
7	Error in Shark remote	Stops driving	<ul style="list-style-type: none"> Check remote bus cable and all connecting plugs. Replace remote.

FLASH CODE	FAULT	EFFECT	Comments
8	Error in Shark power module	Stops driving	<ul style="list-style-type: none"> • Check all cables and connecting plugs in the Shark system. • Replace power module
9	Communication error in Shark system	Stops driving	<ul style="list-style-type: none"> • Check all cables and connecting plugs in the Shark system. • Replace remote.
10	Unknown error	Varying	<ul style="list-style-type: none"> • Check all cables and connecting plugs. • Talk to your dealer.
11	Incompatible remote	Stops driving	<ul style="list-style-type: none"> • The wrong remote type is connected. Ensure that the power module type code matches the remote type code.

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English