INTERFACE

Lode Ergometer – Lode Ergometry Manager

STEP I **Setting up the hardware**

1. For controlling the ergometer by the Lode Ergometry Manager you need a RS232 cable cable (part no. 930911), The lay-out of the cable is as follows:

Straight RS232 cable 930911		
D-con 9 pin female		D-con 9 pin male
2 RxD	----------	2 TxD
3 TxD	----------	3 TxD
5 GND	----------	5 GND

2. Connect the RS232 cable to the RS232 in port of the ergometer*(see figure 1).*
3. Connect the RS232 cable to the computer of the Lode Ergometry Manager *(see figure 2).*

STEP II **Setting up the ergometer**

4. Switch on the ergometer

   The Lode ergometer is default shipped with the LODE RS232 communication protocol. It should be set to the “LODE prot 38K4” RS232 protocol.
   You can change the RS232 by following the procedure below:
   - Switch on the ergometer and press enter.
   - You will be in the "MAINMENU"
   - Select, by using the up/down keys, the menu "SYSTEM PARAMETER" and press enter
   - Select, by using the up/down keys, the menu "SETTINGS" and press enter
   - Select, by using the up/down keys, the menu "RS232 PROTOCOL" and press enter

   Select, by using the up/down keys, the “LODE prot 38K4” RS232 protocol and press enter.
   - Save the selected RS232 protocol .
   - Switch off the ergometer.

5. For controlling the ergometer by the Lode Ergometry Manager the ergometer should be set in "TERMINAL" mode. The " TERMINAL " should be selected as follows. After switching the ergometer on press enter, and select " TERMINAL " and press enter again

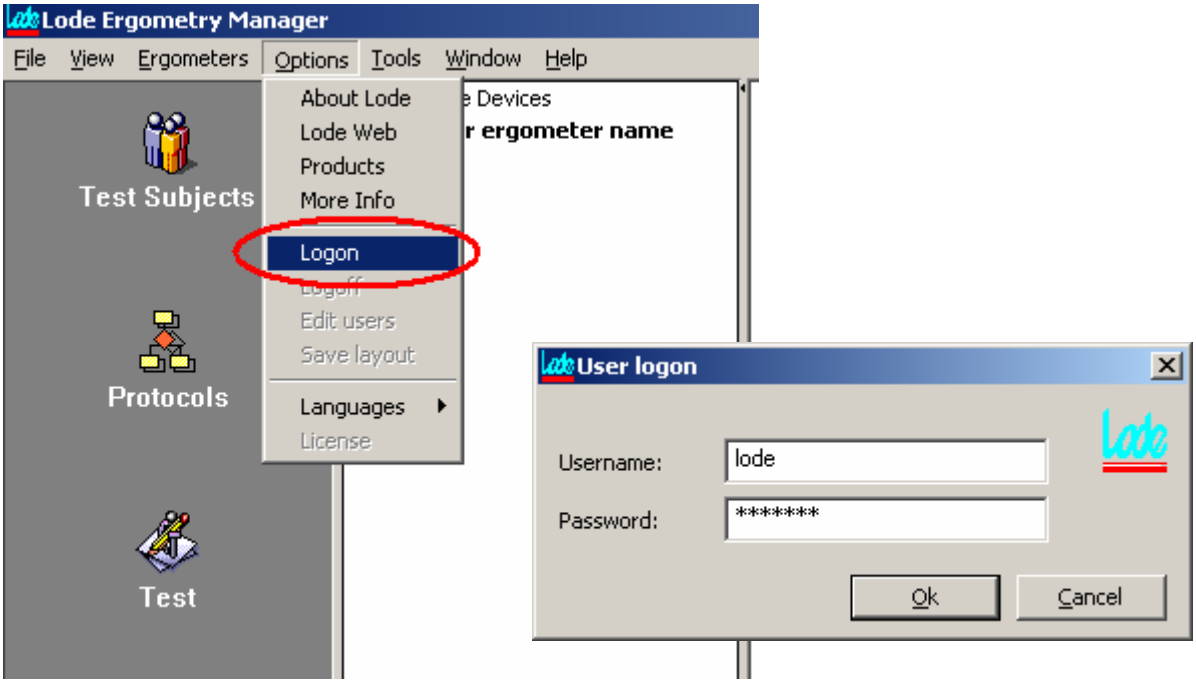
   NOTE: You can also let the ergometer startup in " TERMINAL " mode every time you switch on the ergometer, by using the default start menu. To set up the ergometer for starting up in " TERMINAL " mode proceed as follows:
   - Switch on the ergometer and press enter.
   - You will be in the "MAINMENU"
   - Select, by using the up/down keys, the menu "SYSTEM PARAMETER" and press enter

- Select, by using the up/down keys, the menu "SETTINGS" and press enter
- Press enter to confirm the menu “DEFAULTSTARTMENU” and press enter

If you switch off the ergometer it will start-up in the " TERMINAL " mode every time when the ergometer is switched on again.

6. The Lode ergometer is now ready for external control

STEP III	Setting up the Lode Ergometry Manager



Make sure you login on the LEM (Lode Ergometry Manager) software, default ***Login name : lode*** and default ***Password : service.***

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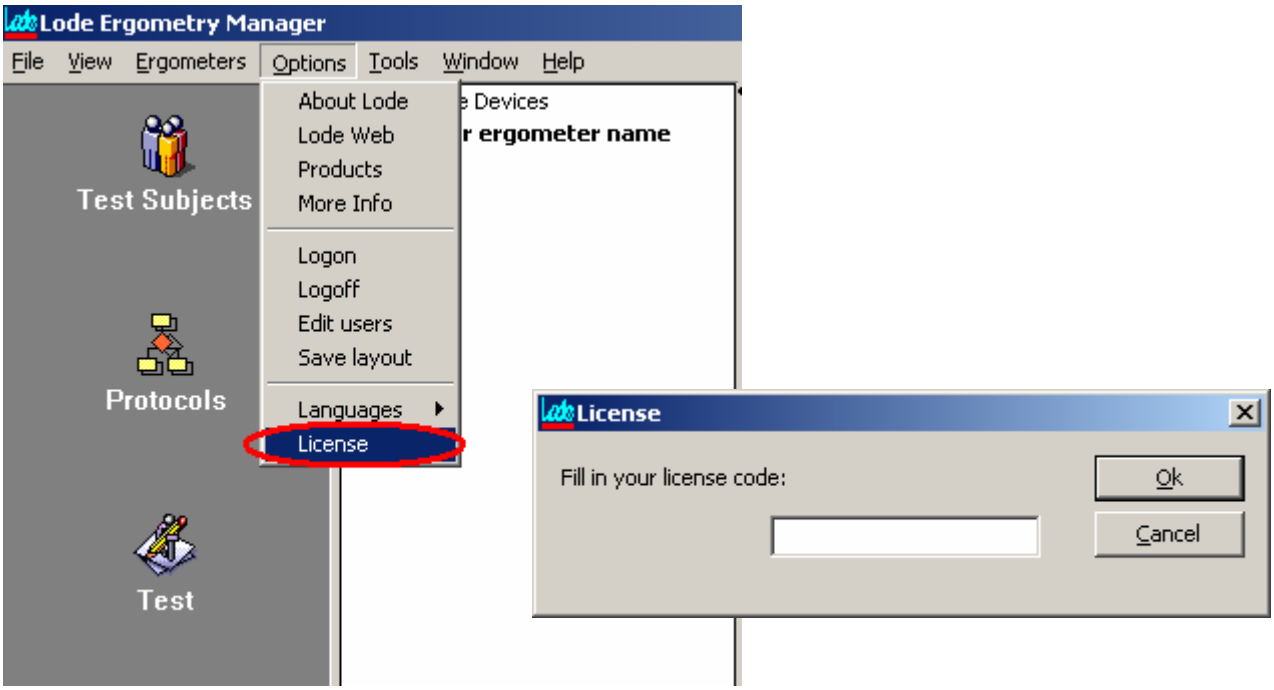
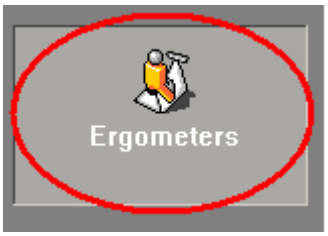
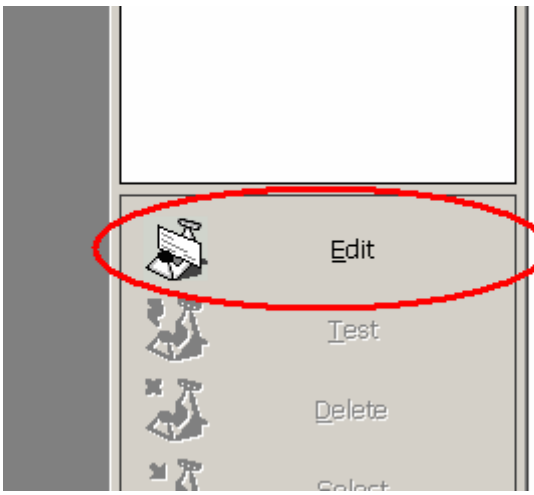
Lode Ergometer – Lode Ergometry Manager



Enter the correct license, this number has been written on the LEM CD and the LEM CD box.





Select ***Ergometer*** and proceed with Edit.

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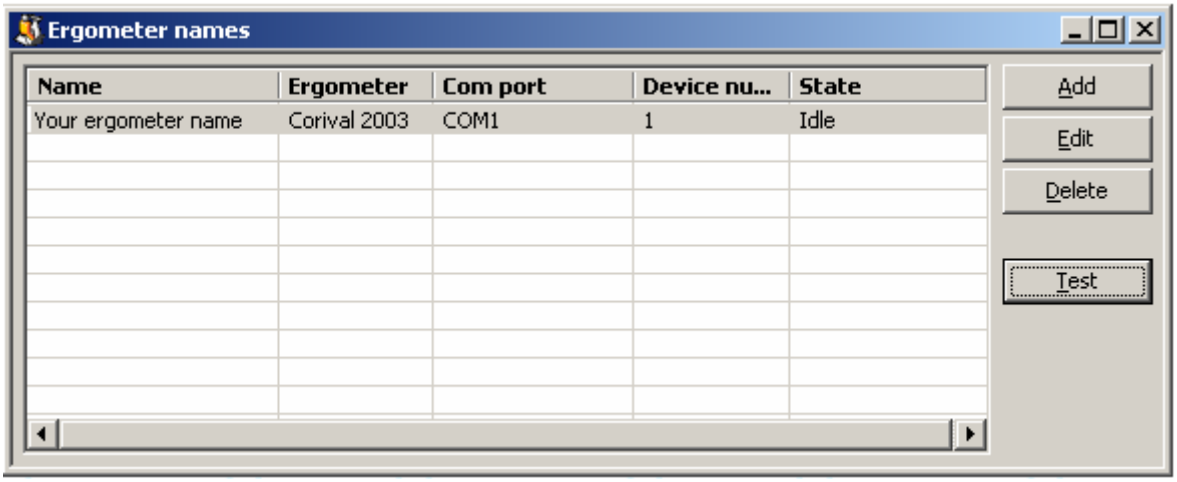
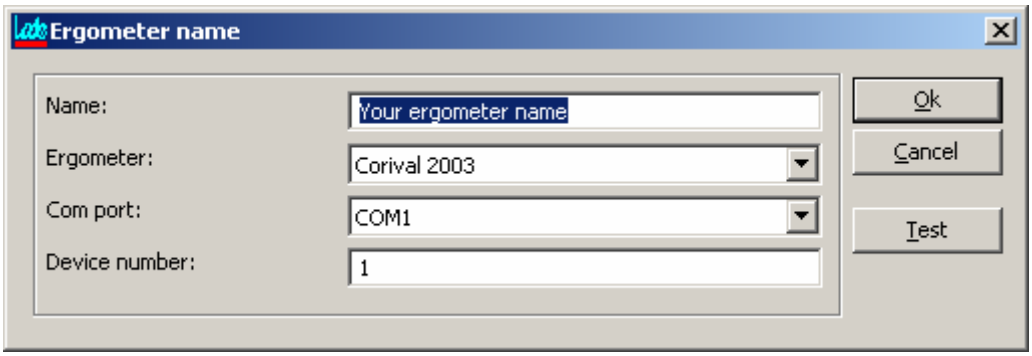
Lode Ergometer – Lode Ergometry Manager



Select ***Add***, a new ergometer.



Give the ergometer a name and enter the correct Ergometer model, the serial port number on where the ergometer(s) is or are connected to. Enter the device number (default setting is “1”) for the Ergometer.
You can use the ***Test*** button to test the communication between the ergometer and the LEM software.

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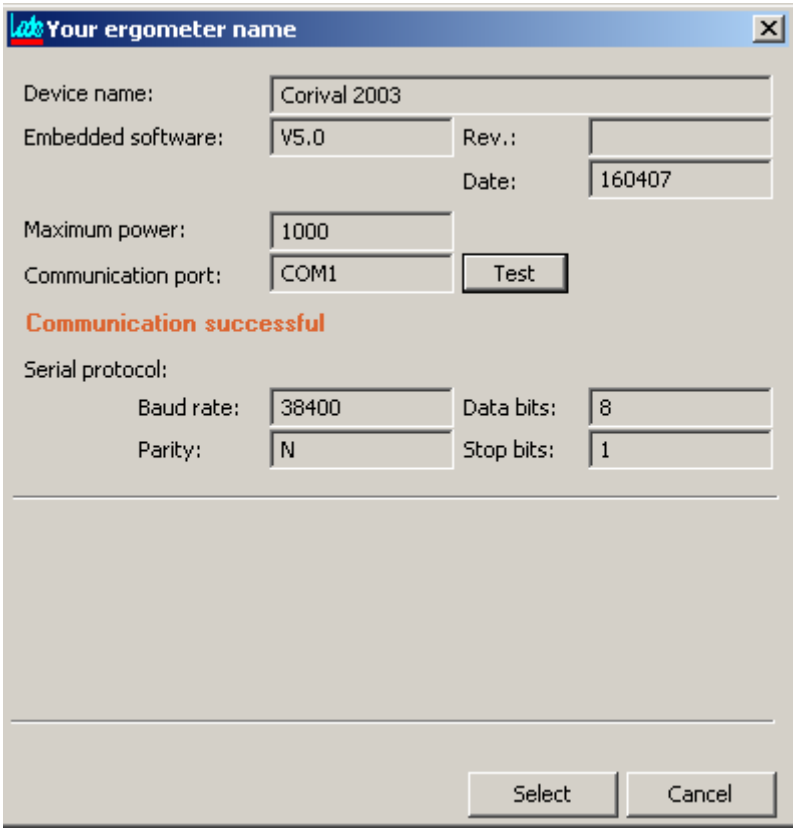
Lode Ergometer – Lode Ergometry Manager



After you have pressed the ***Test*** button the above message should be displayed.

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Lode Ergometer – Lode Ergometry Manager

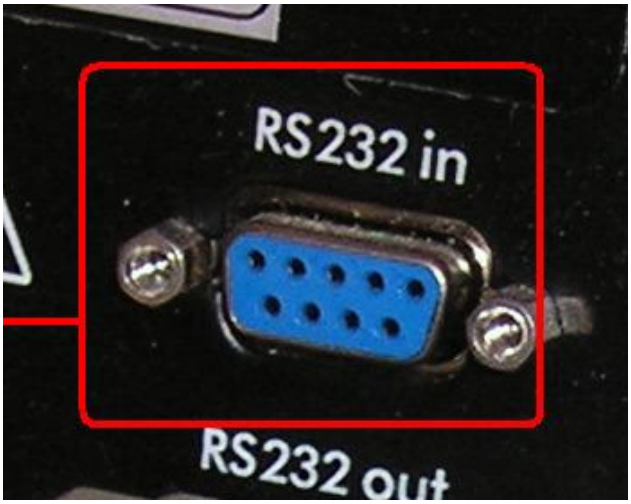

Figure 1

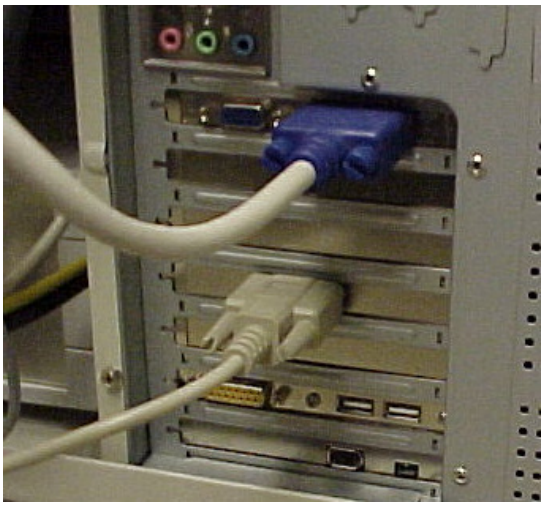

Figure 2

Restart the ergometer and computer and then your system is ready to be used.

Remarks:

- The installation procedures of the Lode ergometers Corival, Angio and Excalibur (Sport) are all the same. The connection of the cables may be on slightly different places.

For questions and comments, you can contact the Lode service department by e-mail at service@lode.nl or by telephone at +31 50 5712811.

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