### Installation

The authorized technician (distributor or service partner) has to check whether the installation of the device has been performed properly, before the customer is introduced into the operation of the h/p/cosmos device. For detailed information and instructions for installation and commissioning please refer to all respective individual chapters in the manual.

Among others, following points have to be performed or controlled:

<table>
<thead>
<tr>
<th>No.</th>
<th>Illustration</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td><img src="image1.png" alt="Image" /></td>
<td>Compare the delivery note with the installed treadmill. Are all parts like running machine, accessories, service box and treadmill folder complete (incl. manuals and demo-software on USB Media Stick) and without damage.</td>
</tr>
<tr>
<td>02</td>
<td><img src="image2.png" alt="Image" /></td>
<td>Adjust the levelling sockets.</td>
</tr>
<tr>
<td>03</td>
<td><img src="image3.png" alt="Image" /></td>
<td>Tighten all fixation screws of the handrails and safety arch and other accessories if applicable.</td>
</tr>
</tbody>
</table>
| 04  | ![Image](image4.png) | Check the wall socket: Optical check for damages, burned contacts, proper fixation and good ground contact (no paint, dirt, deformation)  
Check out the correct pin assignment of the wall socket with a socket-tester with direct indication (see picture left).  
As testing-device we recommend the Testavit Schuki 3 – [cos15900]  
Separate instruction available at h/p/cosmos.  
Check the electrical connection of the device: Direct connection to the wall socket with separate fuse, no danger of stumbling, no extension cable, no multiple plug socket, separate circuit for the treadmill. If a correct connection to the wall socket is not possible, note this on the delivery note, inform the customer and put the device out of operation (if necessary) and safe against start-up. |
Immediately at first installation at the customer’s site an electric safety test and measurement has to be performed for „Protective Earth Resistance“, „Isolation Resistance“ and „Leakage Current“ and the values have to be recorded on a special protocol [cos11690xx] and marked with „first measured values“. One set of this protocol [cos11690xx] remains at the owner’s manual and a copy of the protocol with the „first measured values“ shall be sent to the manufacturer h/p/cosmos. Only after the measurements the potential equalization cable has to be connected.

Lubricate the running deck with 30 ml silicon oil (from the h/p/cosmos service box) before introduction according to instruction. Only for oversize treadmills venus and saturn models with oil tank and automatic lubrication via electric oil pump use tissue test [cos14379] and instruction to reach the target value of lubrication. Only use original h/p/cosmos special lubricant, otherwise warranty will expire and the belt and deck may be damaged.

Check the tension of the running belt (no slip).

Adjust the running belt been before instruction.

The allen-key must be pulled out of the screw immediately after usage due to risk of injury!

Test the function of the heart rate transmission with the help of a simulator or a POLAR sender. Search for interferences and possible reasons.
Once the installation of the running machines has been completed, the h/p/cosmos employee / h/p/cosmos partner starts with the instruction and commissioning of the device. It is important to include all people in the instruction and commissioning, who are going to work with the running machine. After the instruction is completed the instruction protocol is to be signed by the h/p/cosmos technician and all trained persons and sent back, together with the signed delivery note and the registration form, to h/p/cosmos.

b] Instruction into general operation

Hand over operation manual IFU via USB Media Stick [cos103418xx]. Inform about instruction and service manual (always keep one within reach of all users). Inform about latest IFU instructions for use (manual) on h/p/cosmos website:

https://www.hpcosmos.com/en/contact-support/media-downloads/manuals

[01] Hand over operation manual IFU via USB Media Stick [cos103418xx]. Inform about instruction and service manual (always keep one within reach of all users). Inform about latest IFU instructions for use (manual) on h/p/cosmos website:

https://www.hpcosmos.com/en/contact-support/media-downloads/manuals

accomplished

[02] Refer to general warnings and safety precautions according to the instruction manual. Place the print-out of the safety precautions (DIN A4 form in the delivery folder) close to the treadmill. Children are not allowed near or on the treadmill. For higher-risk applications, where falling would result in an unacceptable risk, a safety arch with chest belt and fall-stop-prevention has to be used.

See also https://www.hpcosmos.com/en/company/safety

accomplished

[03] Especially point out the necessary clear safety-zone of min. L: 200 cm x W: 100 cm (or wider if running deck is wider) and importance of fall prevention system in case of a fall.

accomplished

c] Instruction into functions

How to switch the running machine ON and OFF properly. 1 - 2 minutes warming-up (delay) time for medical machines.

Different ON/OFF button and/or expulsion fuse for sports and medical devices as well as ON/OFF button at the user terminal. Explain Stand-By function of MCU6 UserTerminal with TouchScreen if applicable.

accomplished
Explain safety features that the actual model is equipped with for example: emergency-stop, quick-stop, safety lanyard (pull cord device) safety arch, safety-harness, airwalk unweighting, etc. Do not use the Emergency-Stop for common switching OFF of the device. 1 - 2 minutes "warming-up" time (delay) for medical machines.

Explain the display-panels. What does which display stand for?

Explain manual operation of running machine with MCU5 UserTerminal (where applicable). Information about, limit of max. speed for beginners, possibility of locking of each single mode or all modes on request, and the possibility or the necessity to lock the device against unauthorized users.

Operation of running machine via program mode. Refer to the list of programs in the instruction manual.

Operation of running machine via cardio-mode (heart rate controlled load). Refer to warnings and details in the manual (IFU).

Inform about correct heart rate measurement and limitations: correct adjustment of chest belt, how to handle problems and disorders, possible causes for interferences and failures (PCs, quartz watches, monitors, cables, magnetic fields, etc.).
Explanation of test-mode and the integrated test-programs, inform about interface and compatibility list. In medical field potential isolation for any interface linkage is obligatory! Inform about the h/p/cosmos software programs h/p/cosmos para control, h/p/cosmos para graphics, h/p/cosmos para analysis and h/p/cosmos para motion for documentation and evaluation of data. Demo Versions are on USB Media Stick. Note on license disk or license code or dongle.

If device includes reverse-belt rotation: adjustment of running belt. Customer must try to adjust at least once. Note down necessary settings and adjustments.

rotations: ☐ ¼ ☐ ½ ☐ ¾ ☐ 1 ☐ ______
direction: ☐ clockwise ☐ anti-clockwise

Explain manual operation of running machine with MCU6 UserTerminal with TouchScreen (where applicable). Information about, limit of max. speed for beginners, possibility of locking of each single mode or all modes on request, and the possibility or the necessity to lock the device against unauthorized users.

d) Instruction into maintenance works

Hand over and explain service-box. The manufacturer recommends a service contract through an authorised h/p/cosmos service technician. Lack of maintenance, poor maintenance or unauthorised servicing/repairs together with improper or lack of safety checks can lead to a risk of injury to users or damage to the running machine, this could also lead to loss of manufacturer’s warranty and/or third party liability.

Correct adjustment of leveling sockets.

Check weight load on the leveling sockets by trying to lift up the treadmill frame.
Proper adjustment of running belt with regulation screw and allen-key. For each change of running belt direction there are two adjustment steps:

a) Turn the key at the back of the user terminal
b) Adjust regulation screw according to previously defined values
c) The allen-key must be pulled out of the screw immediately after usage due to risk of injury!

Lubrication of running belt when "OIL"-message (quantity, intervals according to instruction manual, spread the oil by "Duck-walking"). Use only original h/p/cosmos lubricant authorized for this model of running machine. Observe demand for additional lubrication based on manual.

Only for oversize treadmills venus and saturn models with oil tank and automatic lubrication via electric oil pump use tissue test [cos14379] and instruction to reach the target value of lubrication.

After running belt lubrication the position of the running belt must be checked once more and be adjusted if necessary.

Delete "oil"-message with Option 01 on MCU5.

Lubrication when "OIL" message.

Some oversize models venus/saturn have oil tank instead.

Option 101 on MCU6 with TouchScreen.

Inform about cleaning of running-machine, light-barriers and ventilation grid.

Maintenance on medical devices and electrical devices may only be performed by authorized and trained personnel (clinical engineer).

Inform about periodically recurring maintenance intervals and obligatory safety controls and the risks and dangers in case of disregarding these points.

Offer and recommend maintenance contract through authorized and trained personnel.

e] Advice and support documents

Hand over and explain delivery papers (folder) and USB Media Stick. Fill out registration form and send it to h/p/cosmos sales.
Let the customer sign the delivery note and instruction protocol and send it back to h/p/cosmos sales immediately.
Ask for brochure of customer and send it to the sales department at h/p/cosmos. If customer allows, take picture of the installation without people.
Commissioning & instruction h/p/cosmos running machines

By signing this protocol, the authorised h/p/cosmos technician and the h/p/cosmos customer confirm the receipt and understanding of all warnings, safety precaution information, the performed instruction and commissioning according to form cos15228-04. The customer and user confirm the receipt of the listed devices including all accessories and options according to the h/p/cosmos delivery note. Disregard of warnings, disregard of intended and forbidden use, safety precautions and also unauthorised or lack of maintenance and/or regular safety checks may lead to injuries or even death and/or can damage the device and will result in loss of any liability and warranty. Please fill out the instruction protocol and send back to h/p/cosmos via fax to +49 18 05 16 76 69, via email to sales@hpcosmos.com or via post.

h/p/cosmos sports & medical gmbh
Am Sportplatz 8
DE 83365 Nussdorf-Traunstein / Germany

customer’s (end-user’s) stamp / customer address:

<table>
<thead>
<tr>
<th>h/p/cosmos device, model name</th>
<th>device serial number / UDI-PI</th>
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<table>
<thead>
<tr>
<th>instructor name in clear block letters</th>
<th>h/p/cosmos dealer / technician</th>
<th>date and signature</th>
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<tbody>
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<table>
<thead>
<tr>
<th>instructed persons / customer / user / operator name in clear block letters</th>
<th>position / function / department</th>
<th>date and user’s signature</th>
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<tbody>
<tr>
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