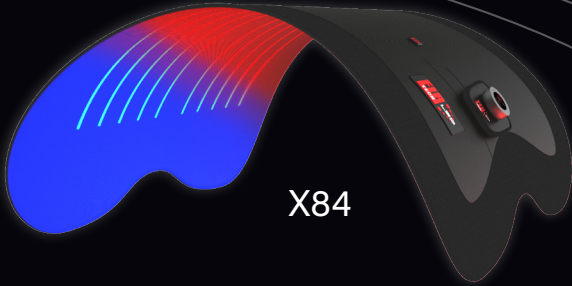


LED THERAPY PAD

OPERATING
INSTRUCTIONS



CATAGO[®]
EQUESTRIAN



X84



Q27



Smart Knob



CATAGO[®]
EQUESTRIAN

INDICATIONS FOR USE

CATAGO's FIR-Tech LED pads are wellness devices. They are not intended to diagnose conditions. The FIR-Tech LED pads must only be operated as described in this manual.

RECOMMENDED USE

The FIR-Tech LED pads combine natural red, near-infrared, and blue light in one seamless product. It can improve the regeneration process for muscles, fascia, tissue, and nerves as well as trigger the self-healing process. The different wavelengths of the LEDs used in the FIR-Tech LED pads penetrates skin, tissue and muscles in the optimal depth and can promote regeneration, can be used for prevention, relaxation and recovery processes.

The FIR-Tech LED pads naturally power the cells through the mitochondria - this is where energy is created. Providing the cell with the optimal dosage of red, blue and infrared energy will trigger a reaction in the mitochondria

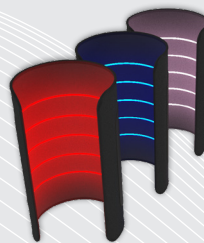
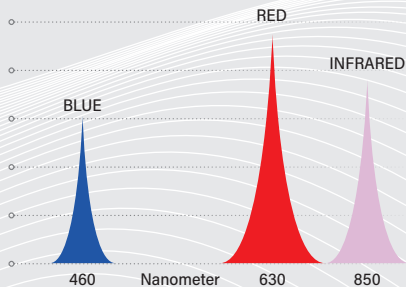
which can boost energy production and regeneration.

The energy-carrying molecule called ATP or adenosine triphosphate is produced by mitochondria. When that cell is exposed to the proper wavelength and energy of light, the mitochondria is able to make ATP which can help trigger the cell's self-healing process more effectively.

The LEDs with specific wavelengths in red, blue, and infrared directly stimulates the regeneration process without harming the tissue or skin. The overall wellness can be promoted. That's why using the FIR-Tech LED pads can lead to a multitude of benefits.

LED TECHNOLOGY

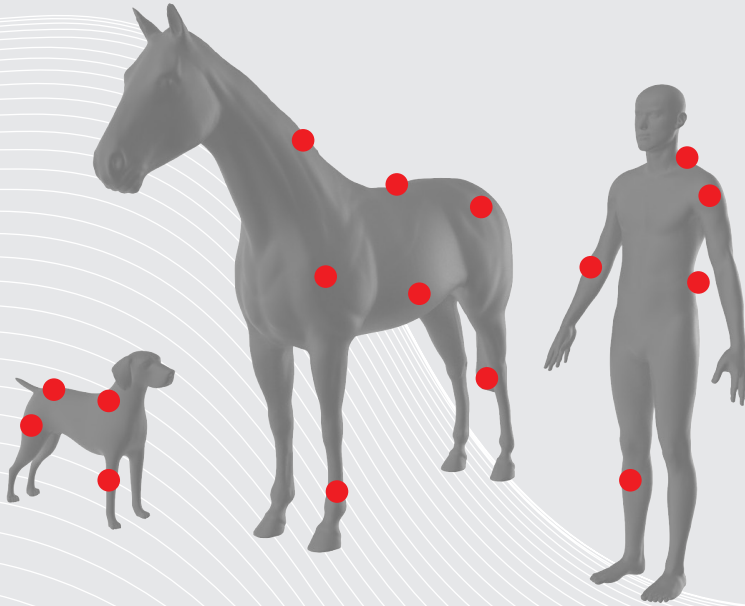
The FIR-Tech LED pads integrate high efficiency LED technology with excellent illumination uniformity. The seamless LED technology operate with wavelengths of 460, 630, and invisible 850 nanometers.



All-in-one integrated wavelengths

APPLICATION AREAS

The FIR-Tech LED pads are designed with the focus on fitting many areas of the body. The major areas covered are indicated here:

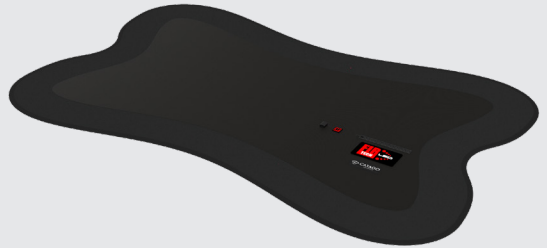


FIR-TECH LED PAD - Q27



FIR-Tech LED Pad	Model Q27
Size	46 x 36 cm
LED Technology	5 rows with 960 LEDs/m
Colors	Red - 630 nm Blue - 480 nm Infrared - 850 nm
Smart knob	Rotary knob (push/turn) Display 360x360 px
Battery	12V with 3500mAh
Charger	12,6V - 1A
Velcro attachments	4 pcs. incl. plastic loop
Elastic stripes	3 pcs. 5x50 cm 2 pcs. 5x80 cm
Operating manual	English language
Carry bag	included

FIR-TECH LED PAD - X84



FIR-Tech LED Pad	Model X84
Size	115 x 74 cm
LED Technology	20 rows with 480 LEDs/m
Colors	Red - 630 nm Blue - 480 nm Infrared - 850 nm
Smart knob	Rotary knob (push/turn) Display 360x360 px
Battery	12V with 3500mAh
Charger	12,6V - 1A
Velcro attachments	4 pcs. incl. plastic loop
Elastic stripes	2 pcs. 5x80 cm 2 pcs. 5x120 cm
Operating manual	English language
Carry bag	included

FIRST-TIME USAGE

- Connect the battery to the FIR-Tech LED pad and turn on the unit.
- Use the FIR-Tech LED pad by running a program.
- Use the FIR-Tech LED pad until the battery is completely discharged.
- Once the battery is discharged, use the charger to fully charge it.

CHARGING THE BATTERY

- The rounded end of the charging device must be inserted into the relevant socket on the battery, and the charging device must be inserted into the wall socket.
- Once the leads have been connected and the charging process has begun in the correct fashion, this is indicated on the charging device with a solid red light.
- The solid red light turns into a solid green light once the battery has been fully charged.
- Once charging has been completed, unplug the charging device from the wall socket and disconnect the round plug from the battery.
- Charging depends on several factors, and the time required to complete it may vary.
- However, this doesn't indicate that the device is faulty. The process can take longer if the battery is cold and the ambient temperature is low.
- The battery life is determined by the choice of program used and also depends on the

ambient temperature.

- If the battery is depleted, the device will switch off.
- In order to achieve optimal results, please ensure that the battery is fully charged before every application.
- Please charge and store the battery at room temperature.
- Charging the battery may take between 90 and 240 minutes, depending on the ambient temperature and capacity of the battery.
- Use only the original FIR-Tech LED charging devices and batteries.
- Using other devices will damage the product, the battery or the charging device.
- When using other devices, the warranty immediately becomes invalid.
- The warranty on batteries is limited to one year.

IMPORTANT !

- It is advisable to completely discharge the battery from time to time by running a program even though the BATTERY LOW icon is already displayed.

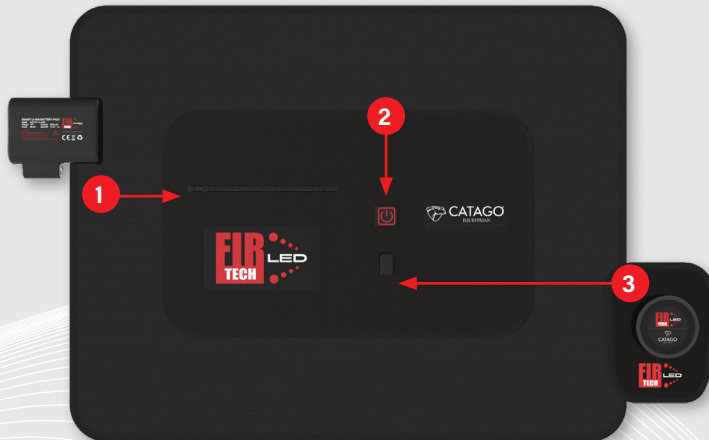


CONNECT AND POWER ON

- Connect the battery to the wire inside the zipper pocket of the FIR-Tech LED device (1).
- Turn on the device by pushing the switch for 3 seconds. The red light indicates that the FIR-Tech LED Pad is turned on (2).
- Connect the smart knob via the connecting cable to the FIR-Tech LED Pad (3).
- If the smart knob is not pushed within 30 seconds, the device will go into standby mode to conserve battery power.



Use the integrated switch to power on the device



Operation of the FIR-Tech LED pad with the battery and smart knob

THE SMART KNOB

The FIR-Tech LED pads are controlled by an external input unit - the smart knob. The smart knob allows you to navigate through the menu, select pre-sets, start, pause, and resume programs. All operations on the smart knob are done by simply turning and pressing.

BASIC OPERATION MODES

- Pressing the smart knob will confirm the operation (1).
- By turning the smart knob to the left or right, the user can browse through the menu and set programs.
- Pressing the button for at least 2 seconds takes you directly to the main menu.



Click



Left



Right



Long click

NAVIGATING WITH THE SMART KNOB

After powering on the FIR-Tech LED pad, the smart knob shows the initial screen.

The unit requires an initial confirmation from the user by pressing the smart knob. The display on the smart knob shows the main menu and is ready for commands.



Initial Screen



Main menu

STARTING A PROGRAM

To start a program, it is necessary to select it through the corresponding menu. To do this, navigate to the desired program and select it. An arrow in the lower part of the display indicates that the program is ready to start.



Step 1: Click QUICK ACCESS (Example)



Step 2: Select and click to start a program

PROGRAM OPERATION

After the program has been started, the running time is displayed. The running time varies from program to program. All programs are optimised for the corresponding amount of energy applied.



Step 3: Display shows running time

END PROGRAM

After the time has elapsed, the program ends automatically. While the program is running, the smart knob can be disconnected from the FIR-Tech LED pad. The FIR-Tech LED pad has stored the remaining time, and the program will end automatically even without the smart knob connected. Once the program is finished, the FIR-Tech LED pad automatically switches off after 30 seconds.

PROGRAMS AND MENU

The FIR-Tech LED pad has 32 programs, which are started with the smart knob on a very user-friendly menu navigation. All programs are preset. The user does not have to make any settings or adjustments. All programs are optimised for their respective areas of application. Depending on the applications, protocols for horses, dogs, and humans can be selected.

TOP MENU

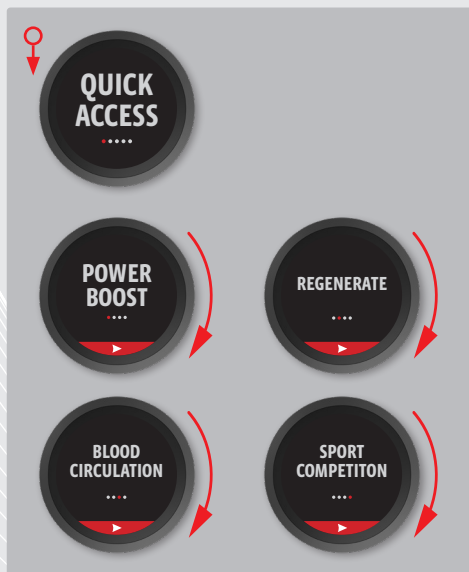
- QUICK ACCESS
- HORSE
- DOG
- HUMAN



QUICK ACCESS

These presets are widely used. Therefore, they are at the top of the list and can be selected quickly:

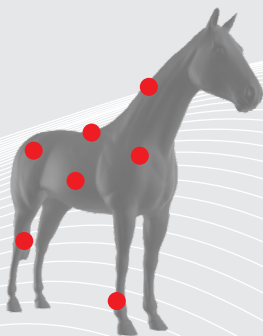
- POWER BOOST
- REGENERATE
- BLOOD CIRCULATION
- SPORT AND COMPETITION



HORSE

The selection of programs for horses can be done in two ways. Either by selecting the area or by selecting a program directly.

- AREA
- SELECT PROGRAM

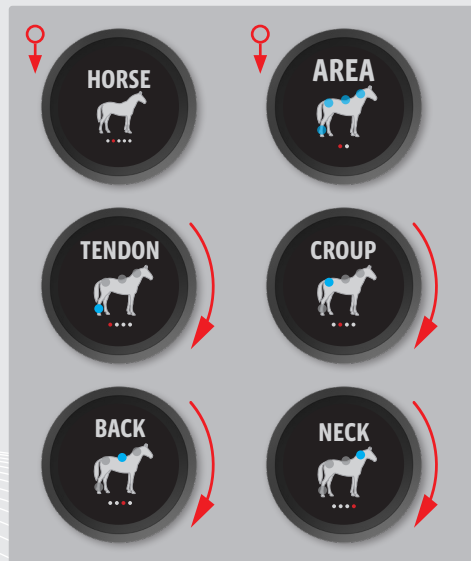


Application areas - horse

AREA

In this menu, it is possible to select the following areas, followed by a program:

- TENDON
- CROUP
- BACK
- NECK



Once the area is selected, one of the presets specific to the area can be selected and started.

HORSE - SELECT PROGRAM

In this menu, it is possible to select the programs for horses directly:

- PROPHYLAXIS
- REGENERATION
- TENDONS
- MUSCULATURE
- NERVES
- JOINTS
- OTHER

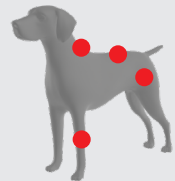


Once the program is selected, one of the pre-sets can be selected and started.

DOG

The selection of programs for dogs can be made directly:

- WARM-UP
- SPORT AND COMPETITION
- TRAINING
- POWER BOOST
- STRAIN
- MUSCULAR TENSION
- REGENERATE
- SLIGHT SWELLING
- PREVENTION
- BLOOD CIRCULATION
- SPONDYLOSIS
- ARTHROSIS
- ACUTE PAIN
- ACTIVATION



Once the program is selected, one of the pre-sets can be selected and started.

HUMAN

The programs for humans can be selected directly:

- NECK
- SHOULDER
- LOWER BACK
- PELVIS
- KNEE



Once the program is selected, one of the pre-sets can be selected and started.



PAUSE, RESUME, AND STOP THE PROGRAM

To pause or stop the program, it is necessary to press the smart knob for at least 3 seconds. The program pauses.

The user has the possibility of continuing the program by simply pressing the smart knob again. The program will continue from the point where it was interrupted.

To completely stop the program, press the smart knob for at least 3 seconds. Turn the smart knob once until the display shows STOP. Confirm to stop by pressing the smart knob once.



LOW BATTERY INDICATOR

It is indicated on the display if the battery reaches a low state of charge.

Please charge the battery.



QUICK ACCESS

POWER BOOST	20:00
REGENERATE	20:00
BLOOD CIRCULATION	25:00
SPORT AND COMPETITION	25:00

MOST FREQUENTLY USED PROGRAMS



TENDON

WINDGALL	20:00
STRAIN	30:00
FIBRE RUPTURE	25:00
FOLLOW-UP TREATMENT	25:00
SLIGHT SWELLING	25:00
WARM-UP	25:00
GENERAL	25:00
SPORT AND COMPETITION	25:00
TRAINING	25:00
POWER BOOST	25:00

CROUP

GENERAL	25:00
WARM-UP	25:00
STRAIN	30:00
FOLLOW-UP TREATMENT	25:00
BLOOD CIRCULATION	25:00
MUSCULAR TENSION	30:00
REGENERATE	20:00
RUPTURE	25:00

HORSE



AREA



BACK

GENERAL	25:00
WARM-UP	25:00
STRAIN	30:00
FOLLOW-UP TREATMENT	25:00
BLOOD CIRCULATION	25:00
MUSCULAR TENSION	30:00
REGENERATE	20:00
KISSING SPINE	25:00

NECK

GENERAL	25:00
WARM-UP	25:00
STRAIN	30:00
FOLLOW-UP TREATMENT	25:00
BLOOD CIRCULATION	25:00
MUSCULAR TENSION	30:00
REGENERATE	20:00
RUPTURE	20:00

HORSE



ACCESSING THE PROGRAMS FOR HORSES

The horse programs can be accessed either through the AREA navigation or by selecting the specific program.

Example: KISSING SPINE

- 1) HORSE - AREA - BACK - KISSING SPINE
- 2) HORSE - SELECT PROGRAM - OTHER - KISSING SPINE

PROPHYLAXIS

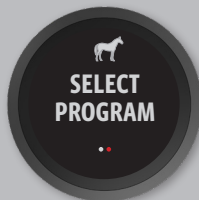
TRAINING PREPARATION	25:00
WARM-UP	20:00
SPORT AND COMPETITION	25:00

REGENERATION

QUICK	20:00
GENERAL	30:00

TENDON

WINDGALL	20:00
STRAIN	30:00
FIBRE RUPTURE	25:00
FOLLOW-UP TREATMENT	25:00
SLIGHT SWELLING	25:00
WARM-UP	25:00
GENERAL	25:00
SPORT AND COMPETITION	25:00
TRAINING	25:00
POWER BOOST	25:00



MUSCULATURE

PREVENTION	20:00
WARM-UP	25:00
POWER BOOST	20:00
BLOOD CIRCULATION	25:00
MUSCULAR TENSION	30:00
SLIGHT STRAIN	30:00
RUPTURE	25:00

NERVES

GENERAL	30:00
REGENERATE	25:00

JOINTS

GENERAL	30:00
SPONDYLOSIS	25:00
INSTABILITY	20:00

OTHER

KISSING SPINE	25:00
ACUTE CRAMPS	20:00

HORSE



DOG



PROGRAMS FOR DOGS

WARM-UP	20:00
SPORT AND COMPETITION	25:00
TRAINING	25:00
POWER BOOST	25:00
STRAIN	30:00
MUSCULAR TENSION	30:00
REGENERATE	25:00
SLIGHT SWELLING	30:00
PREVENTION	20:00
BLOOD CIRCULATION	25:00
SPONDYLOSIS	25:00
ARTHROSIS	25:00
ACUTE PAIN	20:00
ACTIVATION	20:00



HUMAN



PROGRAMS FOR HUMANS

NECK	25:00
SHOULDER	25:00
LOWER BACK	20:00
PELVIS	25:00
KNEE	30:00

WARNINGS



- Read the instructions carefully
- Inside the product are electronic components and LED technology.
- Please keep these operating instructions for future reference.
- The FIR-Tech LED products must only be used in accordance with these safety requirements.
- When using with animals, do not use when the animal is sensitive to heat.
- Only use the original charger supplied with the product.
- Do not place the products near heating sources.
- Do not cover the LED pad while in use with rugs or other items; this would increase the risk of overheating.
- Do not immerse any of the products in water.
- Do not rinse them under running water.
- Do not use the products in a damp environment.
- Do not use the products if the electrical connection, or the mains adapter have come into contact with any kind of moisture.
- The products must not be placed near an open fire or a major source of heat.
- Do not allow children to play with the products.
- Each time you use them, check that the products haven't been damaged.
- Under no circumstances should you operate the product if one of the components is defective.
- If the mains adapter have been damaged, you should only replace them with original parts.
- Do not try to open any of the components or repair them yourself.
- You should only use the mains adapter that was originally supplied to charge the battery.
- Under no circumstances should you use a device other than the original mains adapter.
- When charging, do not use a socket that is loose or in which the mains plug does not firmly engage.
- Do not use the products while they are being charged.
- Never leave the product and its accessories unsupervised when it is being charged or switched on.
- Disconnect the battery when it is not in use.
- The product is not suitable for mains adapters produced by any other manufacturer.
- When storing or operating the product, ensure that no heavy objects are placed on top of it or can fall onto it.
- Do not drop the product on the floor.
- During charging, use, and storage, ensure ambient temperatures of +5°C to +40°C and relative air humidity of 25% to a maximum of 85%.
- The products are not meant to be used continuously.
- Avoid folding, twisting, or squeezing the products.
- Keep the products away from any sharp, pointed, or abrasive objects.
- Store the products in a clean, dry place.
- Do not dispose of this safety information.
- Do not throw it into the fire.

IF ONE OF THE CIRCUMSTANCES APPLIES, THE WARRANTY IS INVALID

- The product has been used incorrectly or improperly.
- The product has been opened.
- Damage due to fire, earthquake, flooding, or other natural disasters.
- Excessive wear and tear.
- If the invoice or proof of purchase is missing.
- If the product has been damaged as a result of disregarding the information in these operating instructions.
- If the serial number card is lost or the owner is not able to provide the serial number.

SPECIAL SAFETY INFORMATION FOR THE BATTERY

- The Lithium-Ion battery contains substances that can harm people and the environment.
- The dispatch and/or transport of batteries is subject to ADR Special Provision 188. If the battery is damaged, it can leak caustic liquid. Any vapors that are released must not be breathed in. Contact with damaged batteries can cause skin inflammation and (chemical) burns. You should immediately seek medical assistance if liquid comes into contact with the eyes.

WHAT TO DO IF YOU COME INTO CONTACT WITH ELECTROLYTES FROM THE BATTERY

- Eyes: rinse with clean water for at least 15 minutes without rubbing the eyes.

- Skin: thoroughly wash affected areas of the skin with soap and running water.
- If inhaled, ensure an immediate supply of fresh air and/or oxygen.
- If swallowed: if liquid is ingested by mistake, immediately rinse out the mouth.
- Disposal: if possible, use protective equipment and mop up any liquid with an absorbent cloth. Any waste must only be disposed of as special (hazardous) waste at a collection point designated for this purpose.
- Fire: do not inhale any vapors or gases that are produced, and only approach the fire with suitable protective clothing and breathing apparatus. The fire must be extinguished with a Class D fire extinguisher (a metal fire powder extinguisher).
- You should always seek medical assistance as a precautionary measure.



Only use the supplied battery to operate the devices

DISCLAIMER - CAUTION

- LED light is generally safe and well tolerated.
- Though it is important to follow the recommended guidelines before using the device.
- The specific benefits and optimal parameters may vary based on the individual's specific conditions.

OTHER WARNINGS



Within the EU, this symbol indicates that this product must not be disposed of in household waste. Old equipment and appliances contain valuable materials that can and should be recycled to avoid damaging the environment and/or human health as a result of uncontrolled waste disposal. Please dispose of used equipment or appliances via appropriate collection systems or send the device to the place where you bought it for disposal. They will then recycle the materials used in the device.



The batteries should be disposed of separately. Take the battery to an official collection point in order to ensure that it is properly disposed of. Information about disposal: Do not dispose of the device in household waste! In accordance with the Waste Electrical and Electronic Equipment Directive, electronic devices must be disposed of via the local collection points for waste electronic equipment.



Warning! The documents supplied with the device must be read before using it. All the safety measures must be complied with.

CLEANING

- The device should always be cleaned before use. The bottom side fabric and the LED strips can be wiped with a clean cloth or a slightly damp cloth.
- A highly diluted soap liquid is suitable as a cleaning agent.
- The top side can first be cleaned of heavy dirt with an adhesive textile roller. Afterwards, a small amount of strongly diluted, damped soap liquid can be used to clean the surface with a cloth.



Do not wash, iron, rinse, or tumble-dry the devices.

Manufactured in China

www.catago.dk

Eldorado A/S
Ole Rømersvej 31-35
DK-6100 Haderslev





CATAGO[®]

EQUESTRIAN



DESIGNED IN
DENMARK