

## **I TECH 28382**

# **I-TECH PHYSIO Professional Electrostimulator User Manual**

Model: 28382

## **INTRODUCTION**

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This manual provides essential instructions for the safe and effective use of your I-TECH PHYSIO professional electrostimulator, Model 28382. This device is designed for pain management and muscle rehabilitation, offering a variety of programs including TENS, NEMS, Beauty, Incontinence, and Rehabilitation. Please read this manual thoroughly before operating the device and retain it for future reference.

The I-TECH PHYSIO is a Class IIA CE0068 medical device.

## **PACKAGE CONTENTS**

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Upon opening the package, verify that all components are present and undamaged. The standard package includes:

- I-TECH PHYSIO Electrostimulator unit with graphic display
- 2 connection cables for electrical impulse transmission
- 2 splitter cables for doubling electrode coverage area
- Pre-gelled adhesive electrodes
- Iontophoresis kit (silicone electrodes, electrode holder sponges, elastic band for securing electrodes)
- Removable rechargeable battery
- Battery charger
- User Manual
- Electrode Position Manual
- Carrying bag



**Figure 1:** Complete I-TECH PHYSIO Electrostimulator kit, including the device, cables, electrodes, and manuals, neatly arranged in its carrying case.

## SETUP

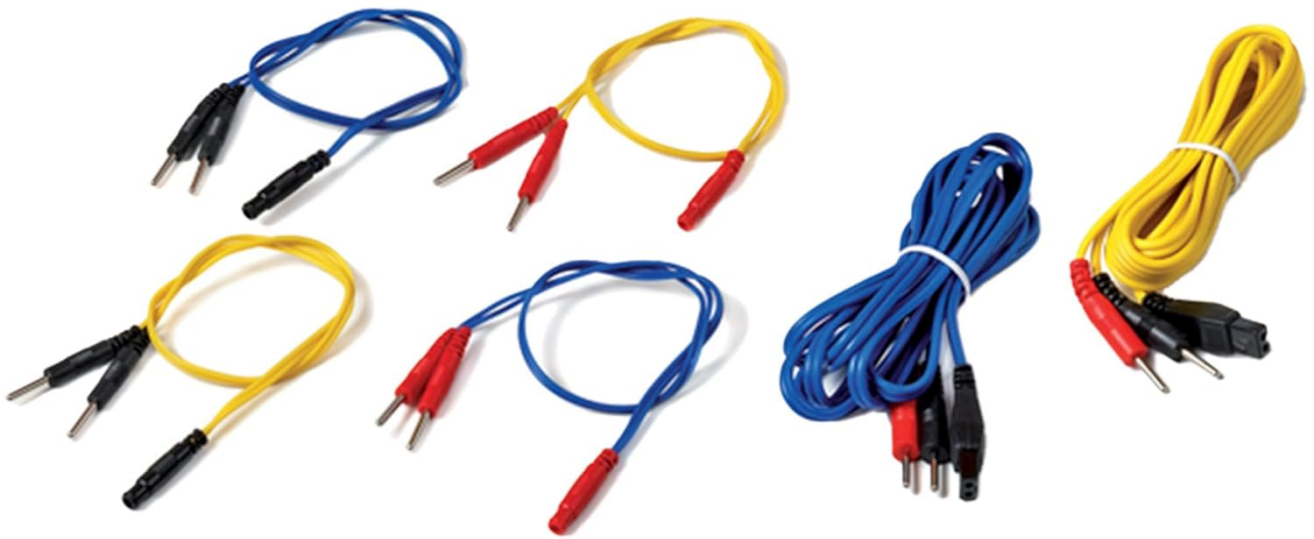
### 1. Charging the Battery

1. Insert the removable rechargeable battery into the designated compartment on the device.
2. Connect the charger to the device and then to a power outlet.
3. Allow the device to charge fully before first use. The display will indicate charging status.

### 2. Connecting Electrodes

The I-TECH PHYSIO features two independent channels (CH1 and CH2).

- Connect the electrode cables to the output ports labeled CH1 and CH2 on the top of the device.
- Attach the pre-gelled adhesive electrodes to the ends of the cables. Ensure a secure connection.
- For iontophoresis, use the provided silicone electrodes, electrode holder sponges, and elastic band. Moisten the sponges before use.



**Figure 2:** Assortment of connection cables used to link the electrostimulator to the electrodes.



Figure 3: Example of pre-gelled adhesive electrodes, ready for application to the skin.



**Figure 4:** Silicone electrodes and absorbent sponges, part of the iontophoresis kit.



Figure 5: An elastic band, used to secure electrodes in place during treatment, especially for iontophoresis.

### 3. Electrode Placement

Refer to the dedicated "Electrode Position Manual" for detailed diagrams and instructions on proper electrode placement for various treatment areas and programs. Correct placement is crucial for effective and safe stimulation.

## OPERATING INSTRUCTIONS

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### 1. Powering On/Off

Press and hold the **ON/OFF** button (usually integrated with **SET/OK** or a dedicated power button) to turn the device on or off.

### 2. Navigating the Display and Controls



**Figure 6:** Detailed view of the I-TECH PHYSIO device, showing its graphic LCD display and control buttons for program selection and intensity adjustment.

- The graphic LCD display shows program information, remaining therapy time, and intensity levels for each channel.
- Use the **PRG+** and **PRG-** buttons to scroll through available programs.
- Press **SET/OK** to confirm a selection or enter a menu.
- Use the arrow buttons (▲, ▼) for CH1 and CH2 to adjust intensity levels for each independent channel.
- The **MODE/ESC** button allows you to exit a menu or return to the previous screen.

### 3. Program Selection and Adjustment

The device offers a wide range of pre-set programs:

- **TENS Programs:** 14 programs for pain relief.
- **NEMS Programs:** 21 programs for muscle stimulation.
- **Beauty Programs:** 15 programs for aesthetic applications.
- **Incontinence Programs:** 9 programs for pelvic floor stimulation.
- **Rehabilitation Programs:** 27 programs for muscle re-education and recovery.

- **Free Memories:** 13 customizable programs.
- **Denervated Stimulation:** Specific programs for denervated muscles.

After selecting a program, you can adjust parameters such as frequency, pulse width, and therapy time if the program allows customization (e.g., in Free Memories). Always start with low intensity and gradually increase it to a comfortable level.

## MAINTENANCE

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### 1. Cleaning the Device

Wipe the device casing with a soft, damp cloth. Do not use abrasive cleaners or immerse the device in water. Ensure the device is turned off and disconnected from the charger before cleaning.

### 2. Electrode Care

- **Adhesive Electrodes:** After each use, place the adhesive electrodes back on their protective film. Store them in a cool, dry place. Replace electrodes when they lose their adhesiveness or if they become damaged.
- **Silicone Electrodes:** Clean silicone electrodes and sponges with mild soap and water, then rinse thoroughly and allow to air dry completely before storage.



Figure 7: Reusable adhesive electrodes, shown with their protective backing for proper storage and extended lifespan.

### 3. Battery Maintenance

To prolong battery life, fully charge the battery before storing the device for extended periods. Avoid completely draining the battery frequently.

### 4. Storage

Store the I-TECH PHYSIO device and its accessories in the provided carrying bag, in a cool, dry place, away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Battery is discharged or not properly inserted.	Charge the battery. Ensure the battery is correctly inserted.

Problem	Possible Cause	Solution
No sensation or weak sensation during treatment.	<ul style="list-style-type: none"> <li>• Electrodes not properly attached to skin.</li> <li>• Electrodes are dry or worn out.</li> <li>• Intensity setting is too low.</li> <li>• Cables are loose or damaged.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure electrodes have full contact with clean, dry skin.</li> <li>• Replace old electrodes.</li> <li>• Gradually increase intensity using the arrow buttons.</li> <li>• Check cable connections; replace if damaged.</li> </ul>
Display shows an error message.	Specific error condition (e.g., open circuit).	Consult the full user manual for specific error codes. Often, re-checking electrode connections or restarting the device resolves minor errors.

If problems persist, contact customer support or a qualified service technician. Do not attempt to repair the device yourself.

## SPECIFICATIONS

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- **Model:** I-TECH PHYSIO (28382)
- **Channels:** 2 independent channels
- **Waveforms:**
  - Biphasic compensated square wave (no thermal polarization risk)
  - Monophasic square wave
  - Interference wave
  - Kotz wave
- **Programs:**
  - 14 TENS programs
  - 21 NEMS programs
  - 15 Beauty programs
  - 9 Incontinence programs
  - 27 Rehabilitation programs
  - 13 Free Memories
  - Denervated muscle stimulation
- **Maximum Intensity:** 200 mApp
- **Display:** Graphic LCD, showing program instructions and remaining therapy time
- **Battery:** Removable rechargeable battery
- **Dimensions (L x W x H):** 28.5 x 20.5 x 7.5 cm (11.2 x 8.1 x 3.0 inches)
- **Weight:** 1.06 kg (2.34 lbs)
- **Manufacturer:** Gima
- **Country of Origin:** Germany

## WARRANTY AND SUPPORT

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The I-TECH PHYSIO electrostimulator is manufactured to high-quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or contact the manufacturer directly.

For technical assistance, service, or inquiries not covered in this manual, please contact your authorized dealer or the manufacturer's customer support.