

Wireless Professional

Functional Rehabilitation in Motion



The Wireless Professional: functional rehab in motion

The Wireless Professional is today's most advanced electrotherapy unit, offering enhanced ease-of-use and convenience while saving space and time to optimize patient treatment, in motion.

By introducing the unique mi-Technology™ and the best-in-market professional programs, this device reinvents functional rehabilitation as we know it. A combination of electro stimulation with active exercise will allow you to improve therapy efficiency and results.



Made especially for therapists

“This revolutionary Wireless Professional electrotherapy unit was especially designed under one premise: to create evolutionary technology that advances treatment by addressing the therapist first. We kept your goals and challenges as the inspiration for our design, and we think we succeeded. Let us tell you how.”

David Truffer,
VP Research & Development,
Recovery Sciences



The Wireless Professional brings you...

INNOVATIVE TECHNOLOGIES:

Putting optimized results at the forefront of physical therapy, DJO Global, through its Compex and Chattanooga brands is the first to introduce its unique wireless technology to professionals. In doing so, we enable you to optimize functional rehabilitation efficiency, allowing you to combine active exercise with electro stimulation.

With its unique in-built Muscle Intelligence™ technology, the Wireless Professional adapts to each patient's muscle physiology to create a personalized electrotherapy session.



TIME SAVINGS:

For a device that is used on a daily basis, saving time is an important feature. No more cables means no more hassle. Instead, you can dedicate your time more effectively, with greater efficiency in optimizing your patient's treatment.

With direct access to essential information and also your favorite therapeutic programs that have been developed and organized for professional use, the Wireless Professional helps you implement electrotherapy quickly and easily in every session.

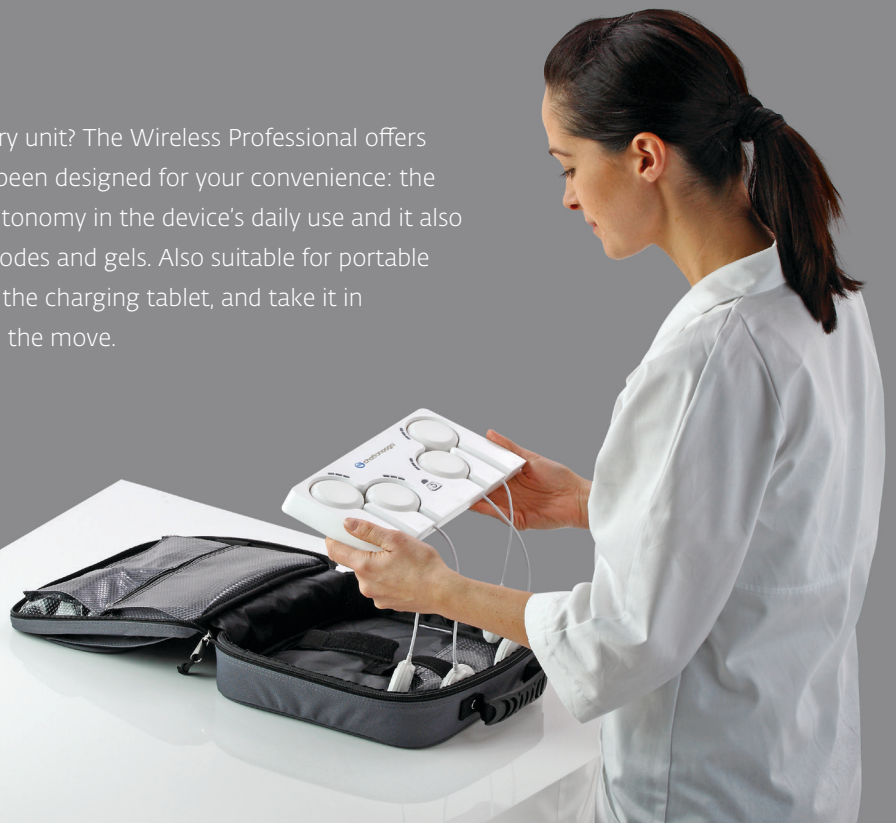


DURABILITY:

Matching your professional and intensive use, the Wireless Professional's solid and reliable design guarantees a lasting functionality.

CONVENIENCE:

Trying to decide between a mobile or stationary unit? The Wireless Professional offers you the best of both. The docking station has been designed for your convenience: the embedded charging tablet provides greater autonomy in the device's daily use and it also contains an extensive case to store your electrodes and gels. Also suitable for portable use, the modular system allows you to detach the charging tablet, and take it in a compact travelling case for when you are on the move.



Optimal functional rehabilitation - keeping you at the forefront of therapeutic innovation

Many professional therapists use functional rehabilitation as an extension of the traditional elements of physical therapy, applying the sum of individual movements that, when combined, provide functional activity.

The **Wireless Professional** is the perfect solution to optimize functional rehabilitation by incorporating movement control, agility and speed in each specific activity, enabling your patient to return to a pre-injury level while reducing the risk of recurrent injury. Electrotherapy can mimic and often improve the specific movements of a patient's activities, thus facilitating a full and healthy return to a pre-injury status.

Recent research¹ backs up this philosophy showing that combined programs of electro stimulation and voluntary exercise have a positive complementary effect on muscle strength and functional recovery.



¹ Filipovic A., et al, Electromyostimulation - A Systematic Review of the Effects of Different EMS Methods on Selected Strength Parameters in Trained and Elite Athletes. (PART 1), Journal of Strength and Conditioning Research, Nov 2011

Muscle Intelligence™ Technology

mi-Technology: Our Muscle Intelligence Technology™ is unique in the market. It offers automatic personalized stimulation, adapted to each patient's physiology. The mi-SCAN, mi-TENS, mi-RANGE and mi-ACTION functions are available on every module. This is how it works:

mi-SCAN: a personal touch

This function uses the sensor to determine and tailor the optimal stimulation parameters (chronaxia) to each patient and for each session.

mi-ACTION: involving the patient

Combined active exercise allows the therapist to better incorporate electrotherapy into treatments. mi-ACTION allows patients to trigger the stimulation with their own active muscle contraction.

mi-TENS: Self-regulating pain therapy

A continuous control of the stimulation intensity in order to eliminate unwanted contractions during a pain relief program.

mi-RANGE: controlling intensity

In order to enhance optimal muscle twitches in low frequency programs (i.e. Endorphinic) the mi-RANGE indicates the minimum intensity level to the therapist.



Knowledge at hand

Precise electrode placement:

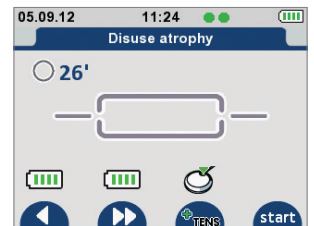
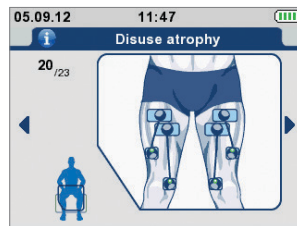
Electrode placements, program parameters and program explanations are directly available in the remote control. Helping you pinpoint the optimal electrode placement, the device comes with a motor point pen, assisting you in providing the most effective treatment.

Organized programs:

Supporting you in choosing the ideal parameters for a personalized patient treatment plan, this solution includes 71 unique programs to facilitate your protocols. Categories include: Pain relief, Rehabilitation, Vascular, Neurologic rehabilitation, Conditioning and Aesthetic. A stimulation session can be started with ease, in just 3 simple clicks. What's more, the Wireless Professional helps you organize and save your favorite programs so that they're directly accessible, at any time.

Control at your fingertips:

Literally. The remote control is designed to keep, manage and control your patient's programs with an easy-to-use keyboard and display, helping you keep track of your session at all times.



Quality & reliability

Quality and reliability are two things you can count on with the Wireless Professional. They are the foundation of this device and what stands behind our promise.

Protected device: To safeguard your remote control and preserve the quality of its functions, a silicon keypad has been designed to prevent water and gel penetration in addition to better ergonomic conditions. A protective sleeve is also provided to protect the remote from damage.

Swiss Technology: DJO Global products are designed by a highly-qualified and award winning R&D team. Our engineers in Ecublens, Switzerland are renowned for their cutting-edge wireless and mi-Technology solutions and are pioneers when it comes to accuracy and innovative functionality.

Trusted Brand: Trust comes from working together. As a leading brand that is dedicated to helping therapists deliver effective rehabilitation solutions, that's exactly what we try to establish. A cornerstone of our development phase is that we work closely with our customers to develop prototypes that ensure product requirements derive from your needs. We track our performance and build on lessons learned, as we constantly strive to deliver you the highest quality.



Patient friendly

At DJO Global, we put ourselves in your shoes: How can we optimize results for your patients? Improve your practice? Save you time? For us, it's about enabling evolution through revolutionary products – bringing you accessible, user-friendly and high-end technology to help you help others.

PULSE CURRENT

The choice of pulse current is extremely important for efficiency and patient comfort. The optimum current has been chosen for the Wireless Professional. This pulse has the following characteristics:

1. Constant pulses of current, produced by a constant current generator.
2. Vertical establishment in order to be effective immediately and to reduce the application time of the current.
3. Rectangular shape in order to apply the lowest possible electrical intensity.
4. Pulse duration that is equal to the chronaxy of the nerve structure requiring stimulation in order to minimise electrical energy.
5. Compensated pulse with an electrical mean of zero in order to prevent side effects linked to polarization.

+TENS function: In many clinical situations, a painful syndrome affects regions near the muscle group to be stimulated. To overcome this problem the +TENS function allows you to combine a TENS program with another program.

Battery operated: the Wireless Professional has a rechargeable battery-operated power source and no connection with the mains (220V), thus bringing complete safety for your patients.

When using the Wireless Professional, your patients will feel a sense of total freedom provided by their ability to be fully mobile. We trust that using the best technology, which optimizes results in functional rehab, will improve efficiency and patient satisfaction - drastically!

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