

Electrotherapy & Ultrasound

PRODUCT BROCHURE COLLECTION

Table of Contents

ELECTROTHERAPY ONLY

RICHMAR

TheraTouch EX4	Page 2
Quattro 2.5	Page 4

ULTRASOUND ONLY

CHATTANOOGA

Intelect Transport 2 Ultrasound	Page 6
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RICHMAR

TheraTouch UX2	Page 8
SoundCare Plus	Page 9

COMBINATION THERAPY

CHATTANOOGA

Intelect Legend 2 - 2 Channel	Page 10
Intelect Legend 2 - 4 Channel	Page 10
Intelect Transport 2 Combo	Page 18
Vectra Neo	Page 26

RICHMAR

TheraTouch CX4	Page 34
TheraTouch CX2	Page 34
ComboCare	Page 36

MedCOR Clinical Solutions

Electrotherapy, ultrasound and combination therapy options compiled into one convenient resource.

PROFESSIONAL PAIN MANAGEMENT

THERATOUGH® CX4, THERATOUGH® CX2 & THERATOUGH® EX4





ELECTROTHERAPY ELECTROSTIMULATION

TheraTouch® EX4

- 8 clinical waveforms
 - Interferential
 - Premodulated
 - TENS (Symmetrical Biphasic & Asymmetrical Biphasic)
 - NMS
 - Russian
 - High Volt
 - Microcurrent
 - RAAS: New, proprietary protocol for muscle movement assistance
- Selectable evidence-based clinical protocols
- 4 channels of stimulation, use independently or in conjunction
- English and Spanish language options
- Save up to 99 user-defined favorites
- Patient interrupt switch
- Full-color touchscreen interface
- Optional therapy cart



COMBINATION THERAPY ELECTROSTIMULATION + ULTRASOUND

TheraTouch® CX4

- 5 cm² ultrasound applicator
 - 1 & 3 MHz ultrasound frequencies
- 8 clinical waveforms
 - Interferential
 - Premodulated
 - TENS (Symmetrical Biphasic & Asymmetrical Biphasic)
 - NMS
 - Russian
 - High Volt
 - Microcurrent
 - RAAS: New, Proprietary protocol for muscle movement assistance
- Selectable evidence-based clinical protocols
- 4 channels of stimulation, use independently or in conjunction
- English and Spanish language options
- Save up to 99 user-defined favorites
- Patient interrupt switch
- Full-color touchscreen interface
- Optional therapy cart

TheraTouch® CX2

NOW AVAILABLE — TheraTouch CX2 provides same features of TheraTouch CX4 in a more compact two-channel configuration.

FREE VIDEO TRAINING AVAILABLE

Learn the navigation and operation of these devices with our online video training series, including application suggestions using the pre-programmed clinical protocols. Preview it today, at: richmarweb.com/how-to-cx4

INDUSTRY'S BEST
3 YEAR
WARRANTY

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QUATTRO 2.5

PROFESSIONAL ELECTROTHERAPY DEVICE

The microprocessor controlled Quattro™ 2.5 is a professional four-channel electrotherapy device that provides IF 4-Pole, IF 2-Pole, Russian, EMS and TENS waveforms with two separate timers. Its portable design allows it to be transported to patients or kept stationary at clinics. The Quattro 2.5 is easy to use and can be set up and running within minutes. The advanced operating system ensures a complete range of therapy no matter where it is used. It features several amplitude modulation options and the interferential and premodulated modes offer frequency modulation as well as a static frequency option.

FEATURES:

- Two separate timers to treat two areas/ patients at once or one larger area.
- Preset protocols as well as customized user defined protocols
- Four channels of electrical stimulation output
- Large easy-to-read graphical LCD display with exact dial performance and two programmable timers
- Waveforms include TENS, EMS, 2-pole Interferential, 4-pole Interferential and Russian
- 10-presets per waveform totaling 50-presets in all (plus professional mode)
- Designed for tabletop, therapy cart or mobile use
- Includes eight sets of electrodes, eight sets of rubber electrodes with sponges, eight straps, four sets of lead wires and a user manual with preset protocol guide
- 2-year warranty



ORDER DETAILS:

DQ8450 Quattro™ 2.5 Professional
Electrotherapy Device

TECHNICAL SPECIFICATIONS

GENERAL SPECIFICATIONS

Adapter Supply Voltage:	100-240 VAC, 50-60 Hz, 0.6A
Adapter Output:	15V — 1.2A Max.
Adapter Dimensions:	88mm (L) x 48mm (W) x 29mm (H)
Dimensions:	250mm (L) x 185mm (W) x 82 mm (H)
Operating Environment:	Temperature: 10°C (50°F) to 40°C (104°F) Relative Humidity: 30% - 85%
Storage Environment:	Temperature: -20°C (-4°F) to 55°C (131°F) Relative Humidity: 20% - 90%
Maximum Treatment Time:	60 minutes
Product Dimensions	10 ½" (W) x 15" (L) x 8" (H)
Product Weight	6.7 lbs

4-POLE INTERFERENTIAL MODE

Waveform Type:	Bi-phasic square
Mode Selection:	CC (Constant Current) or CV (Constant Voltage)
Vector:	Auto: 0%-100% Manual: 0°-90°
Carrier Frequency (C.F.):	4.0kHz
Sweep Low Beat Frequency:(Beat H.)	(Beat L.) - 150 Hz
Sweep High Bet Frequency:(Beat L.)	1-(Beat H.) Hz
Output Intensity:	0-50mA (CC, at 1k ohm load) 0-50V (CV, at 1k ohm load)
Treatment Time:	1-60 minutes

2-POLE INTERFERENTIAL MODE

Waveform Type:	Bi-phasic square
Mode Selection:	CC (Constant Current) or CV (Constant Voltage)
Carrier Frequency (C.F.):	4.0kHz
Sweep Low Beat Frequency:(Beat H.)	(Beat L.) - 150 Hz
Sweep High Bet Frequency:(Beat L.)	1-(Beat H.) Hz
Output Intensity:	0-50mA (CC, at 1k ohm load) 0-50V (CV, at 1k ohm load)
Treatment Time:	1-60 minutes

Caution: This is a Class II Medical device and Federal law restricts this device to sale by or on the order of a licensed health care professional.

TENS MODE

Waveform Type:	Mono-phasic square
Mode Selection:	CC (Constant Current) or CV (Constant Voltage)
Frequency	1-250 Hz
Frequency modulation (F.M.):	0-249 Hz
Burst Rate (Burst):	0-10Hz (7 pulse)
Phase Duration (P.Dur):	30-400µs
Amplitude Modulation (A.M.)	0%-100%
Output Intensity:	0-100mA (CC, at 1k ohm load) 0-100V (CV, at 1k ohm load)
Cycle Time (Cycle):	Continuous , 4/4, 4/8, 7/7, 5/5, 4/12,10/10, 10/20, 10/30, 10/50
Treatment Time:	1 - 60 minutes

EMS MODE

Waveform Type:	Bi-phasic square
Mode Selection:	CC (Constant Current) or CV (Constant Voltage)
Frequency:	1-250 Hz
Frequency Modulation (F.M.):	0-249 Hz
Step Duration (P.Dur):	30-400µs
Amplitude Modulation (A.M.)	0%-100%
Output Intensity:	0-100mA (CC, at 1k ohm load) 0-100V (CV, at 1k ohm load)
Treatment Time:	1-60 minutes
Ramp Time:	1s, 2s, and 5s
Cycle Time (Cycle):	Continuous , 4/4, 4/8, 7/7, 5/5, 4/12, 10/10, 10/20, 10/30, 10/50

RUSSIAN MODE

Waveform Type:	Bi-phasic square
Mode Selection:	CC (Constant Current) or CV (Constant Voltage)
Carrier Frequency (C.F.):	2.5kHz
Burst Frequency (Freq.)	20-100 Hz
Output Intensity:	0-50mA (CC, at 1k ohm load) 0-50V (CV, at 1k ohm load)
Duty Cycle:	10%, 20%, 30%, 40%, and 50%
Cycle Time (Cycle):	Continuous , 5/5, 4/12, 10/10, 10/20, 10/30, 10/50
Treatment Time:	1-60 minutes
Ramp Time (Ramp):	1s, 2s, and 5s



INTELECT TRANSPORT[®] 2

ULTRASOUND THERAPY DEVICE

Restore Motion

KEY FEATURES

- Lightweight design with built-in rechargeable battery-powered pack
- Mobile, table top, or cart usage
- User-defined memory positions to save up to 15 custom protocols
- 1 and 3.3 MHz ultrasound with interchangeable applicator sizes
- Transmitters with LED coupling light in 2 cm², 5 cm², and 10 cm² sizes
- Quick connect magnetic cart attachment, allowing easy clinic to field use. No tools required for connecting or disconnecting

INDICATIONS

Application of therapeutic deep heat for the treatment of selected sub-chronic and chronic medical conditions such as:

- Relief of pain, muscle spasms and joint contractures that may be associated with conditions such as:
 - Adhesive capsulitis¹
 - Bursitis with slight calcification²
 - Myositis²
 - Soft tissue injuries³
 - Shortened tendons due to past injuries and scar tissues²
- Relief of sub-chronic and chronic pain and joint contractures resulting from:
 - Capsular tightness²
 - Capsular scarring²

ULTRASOUND SPECIFICATIONS

FREQUENCY	1 MHz; 3.3 MHz
DUTY CYCLES	10%, 20%, 50% Continuous
PULSE REPETITION RATE	100 Hz
PULSE DURATION	1-5 ms
	Max (ON): 5 ms
	Min (OFF): 5 ms





INTELECT TRANSPORT® 2 ULTRASOUND THERAPY DEVICE

TECHNICAL INFORMATION

MAINS POWER	100-240 VAC~ 50/60 HZ, 1.0 A
WEIGHT	5 lbs (2.3 kg)
SHIPPING WEIGHT	9 lbs (4 kg)
DIMENSIONS*	12.9 x 11.3 x 6.4 inches (32.8 x 28.8 x 16.3 cm)
ELECTRICAL SAFETY CLASS	Class I, Type B
SAFETY TESTS	UL/IEC/EN 6060101, IEC/EN 60601-1-2, IEC 60601-2-5
*Dimensions are listed as L x W x H	

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
4782	Intellect TranSport® 2 Ultrasound

OPTIONAL ACCESSORIES

PART NUMBER	DESCRIPTION
47334	Transport 2 Ultrasound Applicator 2 cm ²
47335	Transport 2 Ultrasound Applicator 5 cm ²
47336	Transport 2 Ultrasound Applicator 10 cm ²
14-1086	Battery
15-1136	Cart
14679	Mains Power Cord
48384	Transport 2 User Manual



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MKT00-12514 Rev B

1. Sung JH, Lee JM, Kim JH. The Effectiveness of Ultrasound Deep Heat Therapy for Adhesive Capsulitis: A Systematic Review and Meta-Analysis. Int J Environ Res Public Health. 2022 Feb 7;19(3):1859. doi: 10.3390/ijerph19031859. PMID: 35162881; PMCID: PMC8835494.
2. 510K Device Clearance Statement
3. Kim GW, Won YH, Park SH, Seo JH, Kim DH, Lee HN, Ko MH. Effects of a Newly Developed Therapeutic Deep Heating Device Using High Frequency in Patients with Shoulder Pain and Disability: A Pilot Study. Pain Res Manag. 2019 May 2;2019:8215371. doi: 10.1155/2019/8215371. PMID: 31191789; PMCID: PMC6525801.

Individual results may vary. Neither DJO, LLC nor any of its subsidiaries dispense medical advice. The contents of this document do not constitute medical, legal, or any other type of professional advice. Rather, please consult your healthcare professional for information on the courses of treatment, if any, which may be appropriate for you.

THERATOUGH™ UX2

Advanced Ultrasound Device

Equipped with a menu-driven, color touchscreen interface that intuitively groups and displays clinical protocols, guiding clinicians step-by-step to ensure the ideal therapeutic treatment.

- Appropriate parameter settings
- Ultrasound applicator recommendations
- Dual-holster design to accommodate both size applicators
- Ergonomic designed sound head provides for an excellent ERA

A few simple key presses are all that is needed to quick-start a treatment. Parameters can be easily selected and adjusted. Clinicians can choose to use preset clinical protocols or customize their own. The “favorites” feature allows user-defined protocols to be stored for future use.

The UX2 offers a comprehensive library with treatment education for better treatment outcomes and improved clinic efficiency.

FEATURES:

- Comprehensive Library Provides Treatment Education
- Sleek, User-Friendly, Ergonomic Design for Tabletop or Therapy Cart Use
- Large, Easy-to-Read, Color LCD Display with Touch Screen Interface
- Clinical Protocols Provide Parameters for a Variety of Acute and Chronic Conditions
- “Favorites” Feature Allows Storage Up to 99 Custom Programs for Future Use
- 1 and 3 MHz Ultrasound Frequencies
- Pulsed and Continuous Modes
- Comes with 1 cm² and 5 cm² Applicators
- Low BNR Ratio 5:1
- Ultrasound Amplitude Can Be Toggled Between W and W/cm²
- Sound Head Coupling Feature
- Optional Therapy Cart Integrates with the Unit and Keeps Supplies Organized and Ready for Treatments



Optional
Therapy
Cart



TECHNICAL SPECIFICATIONS

ULTRASOUND

- **Frequency:** 1 and 3 MHz
- **Duty Cycles:** Pulsed and Continuous
- **Pulse Frequency:** 100 Hz
- **Pulse Duration:** 1-9 mSec ± 10% (set by Duty Cycle)
- **Ramp (Fixed):** 1s
- **Treatment Time:** 1 - 60 minutes

ORDER DETAILS:

DQ2000

TheraTouch™ UX2

DQCART-2

Therapy Cart with Storage

SOUNDCARE™ PLUS

PROFESSIONAL ULTRASOUND DEVICE

Unique in nature, the SoundCare™ Plus professional ultrasound device comes complete with two sound heads that can be plugged in simultaneously for more targeted therapy. Simple to operate, the user can switch between wands with the single push of a button.

FEATURES:

- Comes complete with two sound heads, 1 cm and 5 cm for more targeted therapy
- Used for treatment of chronic and acute muscular pain
- User can switch between dual soundheads with the push of a single button
- Fully functional 1 MHz and 3 MHz frequencies
- 10 user defined presets with pulsed and continuous therapy
- Ergonomic handle design
- Two year warranty

ORDER DETAILS:

DQ9275	SoundCare™ Plus Professional Ultrasound Devices
LC2828	TheraSonic™ Ultrasound Gel, 2 ounces
LS5288	TheraSonic™ Ultrasound Gel, 8 ounces
LS5266	TheraSonic™ Ultrasound Gel, 16 ounces

*Prescription Required: This is a Class II Medical Device. Federal law restricts these devices to sale by or on the order of a licensed health care professional.



TECHNICAL SPECIFICATIONS

- **Acoustic Frequency:** 1 MHz $\pm$ 10%, 3 MHz $\pm$ 10%
- **Output Power:** 0.5 - 10.0 W $\pm$ 20%, when duty factor $\geq$ 80% for 5 cm²
0.5 - 15.0 W $\pm$ 20%, when duty factor $\leq$ 70% for 5 cm²
0.1 - 2.0 W $\pm$ 20%, when duty factor $\geq$ 80% for 1 cm²
0.1 - 3.0 W $\pm$ 20%, when duty factor $\leq$ 70% for 1 cm²
- **Pulse Repetition Rate:** 100 Hz $\pm$ 10%
- **Duty Factor:** 10% - 100%, Stepping 10%
- **Timer:** Max 30 minutes
- **Effective Radiating Area:** 5.0 cm² $\pm$ 20%; 1.0 cm² $\pm$ 20%
- **Actual Intensity:** 3.0 w/cm² $\pm$ 20% (1.0 MHz)
3.0 w/cm² $\pm$ 20% (3.0 MHz)
- **Raw (Max):** 5.0
- **Beam Type:** Collimated
- **Material of Applicator:** Aluminum
- **Waterproof Grade:** IPX7 only for treatment head



INTELECT® **LEGEND 2**

ELECTROTHERAPY SIMPLIFIED



Variable Muscle Stimulation (VMS)





INTELECT® **LEGEND 2**

THE NEXT GENERATION IN ELECTROTHERAPY

The Intellect® Legend 2 is the next generation in physical medicine modalities. Its clever design and intuitive features make Intellect® Legend 2 the choice for today's modern practice.

- Easy to Use
 - The Legend 2 Suggested Protocol Setup (SPS) menu provides suggested electrotherapy settings which means more confidence that your patient is receiving the most effective treatment.
- Patient Satisfaction
 - Chattanooga's proprietary VMS waveform provides stronger muscle contractions and increased patient comfort, especially when compared to using Russian waveform.^{13, 14, 15}
- Better Results for Your Clinic
 - Easy set up leads to reduced treatment times and allows your clinic to be as efficient as possible resulting in a greater ROI for your business.

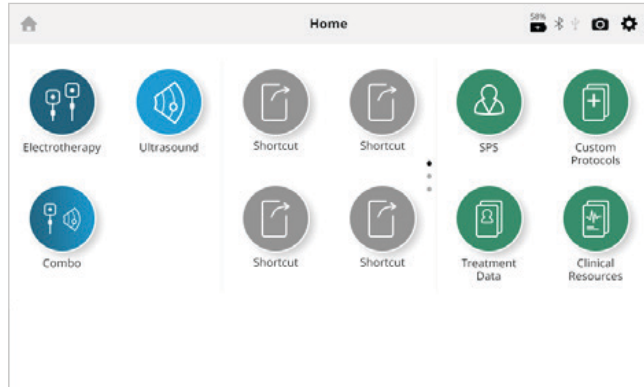


KEY FEATURES - INTERFACE

Intelect® Legend 2 offers the next generation of intuitive and intelligent user interface - designed with the therapist in mind.

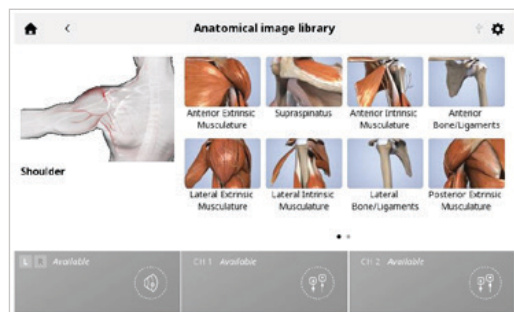
INTELLIGENT INTERFACE

Separated into three sections, the blue section allows complete customization of all waveforms and any parameters. The gray section saves up to 12 shortcuts on the Home screen to start treatments within 2 button pushes. The green section contains the SPS menu, saved protocols and other clinical resources.



HI RESOLUTION ANATOMICAL LIBRARY

Illustrates an array of pathologies allowing simple explanation of conditions and treatment to the patient.



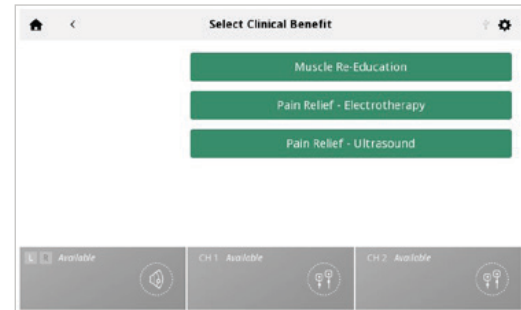
FUTURE PROOF TECHNOLOGY

Intelect® Legend 2 has the ability to easily update software for additional functionality. Free software upgrades and updated product manuals will be made available on chattanoogarehab.com along with simple instructions on how to perform any upgrades.

SUGGESTED PROTOCOL SETTING

Provides the clinician with suggested parameters for each treatment to help get started with confidence.

The SPS menu allows therapists to set up a treatment by selecting an indication rather than having to select every waveform and parameter.



KEY FEATURES

INNOVATION AND SIMPLICITY THROUGH DESIGN



LARGE GRAPHIC COLOR TOUCH SCREEN

High resolution 7" capacitive touch screen was upgraded to highlight the anatomical library, provide real time treatment progress and clearly display treatment results after a session ends.



NEW ULTRASOUND APPLICATOR

Ergonomic design fit for the hand. Improved coupling detection and monitoring.



MOBILE

Lightweight device with ergonomically designed handle and optional battery. Optional custom carry case available for transporting the device safely and securely.



OPTIONAL CART

Optional cart with magnetic device attachment creates a secure connection between device and cart without the need for any tools during installation.



INDICATIONS

TENS/NMES

- Relaxation of muscle spasms¹
- Prevention or retardation of disuse atrophy²
- Increasing local blood circulation³
- Muscle re-education¹¹
- Maintaining or increasing range of motion⁴
- Immediate postsurgical stimulation of calf muscles to prevent venous thrombosis¹²
- Symptomatic relief or management of chronic, intractable pain⁵
- Post-traumatic acute pain⁶
- Post-surgical acute pain⁷

ULTRASOUND

Relief of pain, muscle spasms and joint contractures that may be associated with conditions such as:

- Adhesive capsulitis⁸
- Bursitis with slight calcification⁹
- Myositis⁹
- Soft tissue injuries¹⁰
- Shortened tendons due to past injuries and scar tissues⁹
- Capsular tightness⁹
- Capsular scarring⁹



CLINICAL INFORMATION

1. Zhou M, Li F, Lu W, Wu J, Pei S. Efficiency of Neuromuscular Electrical Stimulation and Transcutaneous Nerve Stimulation on Hemiplegic Shoulder Pain: A Randomized Controlled Trial. Arch Phys Med Rehabil. 2018 Sep;99(9):1730-1739. doi: 10.1016/j.apmr.2018.04.020. Epub 2018 May 17. PMID: 29777714.; Stein C, Fritsch CG, Robinson C, Sbruzzi G, Plentz RD. Effects of Electrical Stimulation in Spastic Muscles After Stroke: Systematic Review and Meta-Analysis of Randomized Controlled Trials. Stroke. 2015 Aug;46(8):2197-205. doi: 10.1161/STROKEAHA.115.009633. Epub 2015 Jul 14. PMID: 26173724.
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3. Borne R, Hausswirth C, Bieuzen F. Relationship Between Blood Flow and Performance Recovery: A Randomized, Placebo-Controlled Study. Int J Sports Physiol Perform. 2017 Feb;12(2):152-160. doi: 10.1123/ijspp.2015-0779. Epub 2016 Aug 24. PMID: 27139812.
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5. Pivovarsky et al. (2021), Yaki et al. (2021), Zhou et al. (2018), Gibson et al. (2019); NICE, Osteoarthritis: care and management Clinical guideline CG177, February 2014
6. 510K Device Clearance Statment
7. Zhu et al. (2017), Elboim (2019), Mahure (2017)
8. Sung JH, Lee JM, Kim JH. The Effectiveness of Ultrasound Deep Heat Therapy for Adhesive Capsulitis: A Systematic Review and Meta-Analysis. Int J Environ Res Public Health. 2022 Feb 7;19(3):1859. doi: 10.3390/ijerph19031859. PMID: 35162881; PMCID: PMC8835494.
9. 510K Device Clearance Statement
10. Kim GW, Won YH, Park SH, Seo JH, Kim DH, Lee HN, Ko MH. Effects of a Newly Developed Therapeutic Deep Heating Device Using High Frequency in Patients with Shoulder Pain and Disability: A Pilot Study. Pain Res Manag. 2019 May 2;2019:8215371. doi: 10.1155/2019/8215371. PMID: 31191789; PMCID: PMC6525801.
11. 510K Device Clearance Statement
12. 510K Device Clearance Statement
13. Bellow, Allen, Biefnes, Grantham, Miglin, and Swartzell, 2018
14. Adams, Harris, Woodard, and Dudley, 1993; Binder-Macleod, Halden, and Jungles, 1995; Gorgey and Dudley, 2008
15. Bowman and Baker, 1985

INTELECT® LEGEND 2 RANGE



2 CHANNEL COMBO

The Intelect® Legend 2 two-channel combo device is a two-channel electrotherapy, ultrasound therapy (1 and 3 MHz) and combo system used with or without an optional cart. Twelve waveforms are included for electrical stimulation: VMS, Interferential, Premodulation, Asymmetric Biphasic, Symmetric Biphasic, High Volt, Microcurrent, Russian, VMS Burst, HAN, Direct Current, VMS FR. This equipment is to be used only under the prescription and supervision of a licensed healthcare professional.



4 CHANNEL COMBO

The Intelect® Legend 2 four-channel combo device is a four-channel electrotherapy, ultrasound therapy (1 and 3 MHz) and combo system used with or without an optional cart. Twelve waveforms are included for electrical stimulation: VMS, Interferential, Premodulation, Asymmetric Biphasic, Symmetric Biphasic, High Volt, Microcurrent, Russian, VMS Burst, HAN, Direct Current, VMS FR. This equipment is to be used only under the prescription and supervision of a licensed healthcare professional.



TECHNICAL INFORMATION

INPUT: 100-240V AC, 1.0 to 0.42A, 50/60 Hz

ELECTRICAL CLASS: Class I

MODE OF OPERATION: Continuous

ELECTRICAL TYPE (DEGREE OF PROTECTION)

ULTRASOUND: .TYPE B

ELECTROTHERAPY: .TYPE BF

ULTRASOUND SPECIFICATIONS

FREQUENCY: 1 MHz; 3 MHz

DUTY CYCLES: 10%, 20%, 50%, Continuous

PULSE REPETITION RATE: 100 Hz

PULSE DURATION: 1 -5 ms

- Max (ON): 5 ms

- Min (OFF): 5 ms



SYSTEM DIMENSIONS & WEIGHT	WIDTH	DEPTH	HEIGHT	WEIGHT (NO BATTERY)
INTELECT® LEGEND 2 HEAD UNIT				
2 CHANNEL COMBO	13.4in	14.0in	5.9in	6.8lbs
4 CHANNEL COMBO	13.4in	14.0in	5.9in	8.2lbs
CART CONFIGURATIONS				
Cart (Safe working load 6.5kg)	18.9in (max)	20.5in (max)	37.8in	22.3lbs
Device on cart	-	-	43.7in	-

US APPLICATOR FREQUENCY	1 cm ²		2cm ²		5cm ²		10cm ²	
	1MHz	3MHz	1MHz	3MHz	1MHz	3MHz	1MHz	3MHz
Effective Radiating Area ERA INTL (cm ²)	1	0.9	1.5	1	2.5	2.7	6	6.8
Max Output power in Continuous mode	2W	1.8W	3W	2W	5W	5.4W	12W	6.8W
Max Output power in Pulsed mode	3W	2.7W (*)	4.5W	3W	7.5W	8.1W	18W	13.6W
Max Amplitude in Continuous mode	2W/cm ²	2W/cm ²	2W/cm ²	2W/cm ²	2W/cm ²	2W/cm ²	2W/cm ²	1W/cm ²
Max Amplitude in Pulsed mode	3W/cm ²	3W/cm ²	3W/cm ²	3W/cm ²	3W/cm ²	3W/cm ²	3W/cm ²	2W/cm ²

Pulsed Biphasic	VMS, VMS Burst, VMS FR, Asymmetrical Biphasic, Symmetrical Biphasic, HAN
Pulsed Monophasic	High Volt, Microcurrent
Direct	Direct Current
Alternating	Interferential, Premodulation, Russian

Chattanooga® also offers online training for their customers. Please contact your Chattanooga® representative for more information.



INTELECT® **LEGEND 2**

INTELECT® LEGEND 2 COMBO STANDARD ACCESSORIES:

PART NUMBER	DESCRIPTION
81-5010	Intellect® Legend 2 Two Channel Combo Set
81-5011	Intellect® Legend 2 Four Channel Combo Set
79967	Carbon Electrodes
42198	Dura-Stick+ 5cm Square Electrodes QTY 4
70010	Stim Lead Wires CH 1&2
70011	Stim Lead Wires CH 3&4 (4CH combo only)
12-10648	Nylatex Strap
15-1062	5cm² Ultrasound Applicator
14679	Power Cord

INTELECT® LEGEND 2 OPTIONAL ACCESSORIES:

15-1136	Intellect® Legend 2 Cart
14-1086	Intellect® Legend 2 Battery
15-0160	1cm² applicator
15-0161	2cm² applicator
15-0163	10cm² applicator
4248-12	Ultrasound Gel (12 Bottles)
79967	6x8 cm Carbon Electrodes (QTY 4)
15-1140	USB drive



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MKT00-13032 Rev B

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INTELECT TRANSPORT® 2

Restore Motion





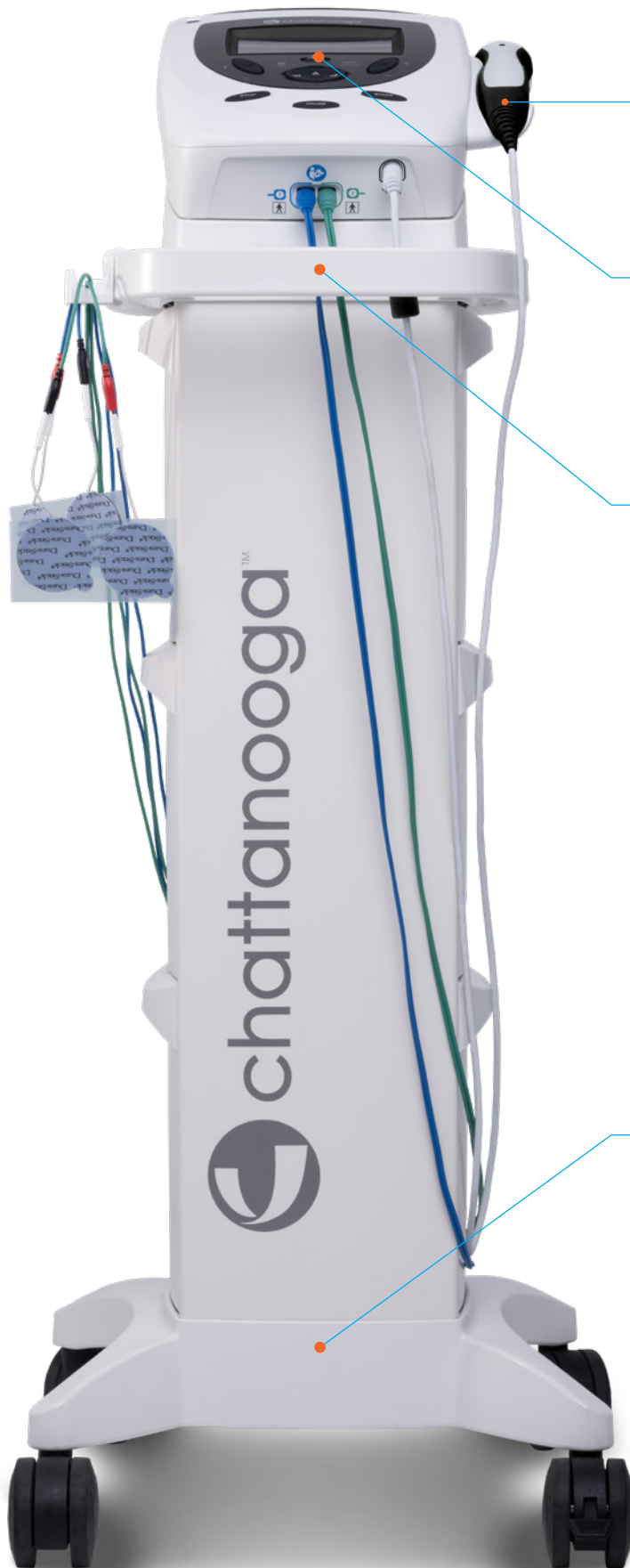
INTELECT TRANSPORT® 2

The Intellect Transport 2 line of electrotherapy products provides the reliability and value that only a Chattanooga product can offer. The lightweight, durable design and battery powered option provide the versatility needed to treat your patients and athletes in any professional environment.

Based on decades of experience from the original Intellect Transport line, Intellect Transport 2 is easy and intuitive to use and includes all of the essential features needed to get your patients moving.



KEY FEATURES



ULTRASOUND APPLICATOR

Improved coupling detection and monitoring for more effective and efficient treatments.

LARGE COLOR LCD SCREEN

High resolution color screen gives real time information on the progress of the individual treatment. Clear, intuitive menus allow for quick set up and customization of the device.

PORTABILITY

Ergonomically designed handle, lightweight design and optional battery give you the versatility to treat patients wherever is required.

OPTIONAL CART

Optional cart with storage drawers ensuring all accessories are convenient and easy to reach from the device. Magnetic fixation of the device to the cart allows for easy and secure attachment and detachment. Large wheels and casters allow the cart and device to be moved easily around the office and secured during use.



ELECTROTHERAPY INDICATIONS

- Relaxation of muscle spasms¹
- Prevention or retardation of disuse atrophy²
- Increasing local blood circulation³
- Maintaining or increasing range of motion⁴
- Symptomatic relief of chronic, intractable pain⁵
- Post-traumatic acute pain⁶
- Post-surgical acute pain⁷
- Muscle re-education¹¹

ULTRASOUND INDICATIONS

Application of therapeutic deep heat for the treatment of selected sub-chronic and chronic medical conditions such as:

- Relief of pain, muscle spasms and joint contractures that may be associated with conditions such as:
 - Adhesive capsulitis⁸
 - Bursitis with slight calcification⁹
 - Myositis⁹
 - Soft tissue injuries¹⁰
 - Shortened tendons due to past injuries and scar tissues⁹

Relief of sub-chronic and chronic pain and joint contractures resulting from:

- Capsular tightness⁹
- Capsular scarring⁹



CLINICAL INFORMATION

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2. Toth MJ, Tourville TW, Voigt TB, Choquette RH, Anair BM, Falcone MJ, Failla MJ, Stevens-Lapslaey JE, Endres NK, Slauterbeck JR, Beynnon BD. Utility of Neuromuscular Electrical Stimulation to Preserve Quadriceps Muscle Fiber Size and Contractility After Anterior Cruciate Ligament Injuries and Reconstruction: A Randomized, Sham-Controlled, Blinded Trial. *Am J Sports Med*. 2020 Aug;48(10):2429-2437. doi: 10.1177/0363546520933622. Epub 2020 Jul 6. PMID: 32631074; PMCID: PMC7775613.; Dirks ML, Wall BT, Snijders T, Ottenbros CL, Verdijk LB, van Loon LJ. Neuromuscular electrical stimulation prevents muscle disuse atrophy during leg immobilization in humans. *Acta Physiol (Oxf)*. 2014 Mar;210(3):628-41. doi: 10.1111/apha.12200. Epub 2013 Dec 12. PMID: 24251881.
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10. Kim GW, Won YH, Park SH, Seo JH, Kim DH, Lee HN, Ko MH. Effects of a Newly Developed Therapeutic Deep Heating Device Using High Frequency in Patients with Shoulder Pain and Disability: A Pilot Study. *Pain Res Manag*. 2019 May 2;2019:8215371. doi: 10.1155/2019/8215371. PMID: 31191789; PMCID: PMC6525801.
11. Novak (2020), Hoshida (2017), Labanca (2017), Toth (2020), Gatewood (2017), Talbot (2020), Sentandreu (2021), Bochekezanian (2018), Bekhet (2019)

INTELECT TRANSPORT® 2 RANGE



COMBO

The Intelect Transport 2 COMBO is a two-channel electrotherapy, ultrasound therapy and combo system used with or without an optional cart. For combo therapy 5 waveforms are included for electrical stimulation: Interferential, Premod, Russian, High Volt and VMS. Fully functional 1 and 3.3 MHz ultrasound frequencies are also included. This equipment is to be used only under the supervision of a licensed healthcare professional.



ULTRASOUND

The Intelect Transport 2 ULTRASOUND is an ultrasound therapy system used with or without an optional cart. Ultrasound frequencies of 1 or 3.3 MHz are available with pulsed or continuous duty cycles (10%, 20%, 50% and 100%). The device comes standard with a 5cm² ultrasound applicator, however additional sizes are available. Coupling detection settings give the option to alert the clinician when the applicator has become decoupled from the patient by an audible beep and stopping the treatment timer. This equipment is to be used only under the supervision of a licensed healthcare professional.

SYSTEM SPECIFICATIONS AND DIMENSIONS

	Width	Depth	Height	Weight (no battery)
Intelect Transport 2 Head Unit				
COMBO	25.0cm	34.6cm	11.9cm	2.2kg
UltraSound	25.0cm	34.6cm	11.9cm	1.9kg
Cart configurations				
Cart (Safe working load 6.5kg)	48cm (MAX)	52cm (MAX)	96cm	10.1kg
Device on cart	-	-	108.5cm	-

POWER

Input 100 - 240 V AC, 1.0 to 0.42 A, 50/60 Hz 100 W Max
Electrical Class CLASS I
Mode of Operation Continuous

Electrical Type (Degree of Protection)

Ultrasound .TYPE B
Electrotherapy .TYPE BF

ELECTRO STIMULATION SPECIFICATIONS

Unless otherwise specified, electrotherapy controls accuracy is:
± 20 %.

Load impedance: 500-1000 Ohm

CC = constant current, effect of load impedance on voltage

CV = constant voltage, effect of load impedance on current

ULTRASOUND SPECIFICATIONS

Frequency 1 MHz; 3.3 MHz
Duty Cycles 10%, 20%, 50%, Continuous
Pulse Repetition Rate 100 Hz
Pulse duration: 1 -5 ms
Max (ON):5 ms
Min (OFF): 5 ms

OUTPUT POWER

US applicator Frequency	2cm ²		5cm ²		10cm ²	
	1MHz	3.3MHz	1MHz	3.3MHz	1MHz	3.3MHz
Effective Radiating Area ERA INTL (cm ²)	1.5	1.5	3.0	3.0	5.8	5.8
Max Output power in Continuous mode	3W	3W	6W	6W	12.7W	6.9W
Max Output power in Pulsed mode	4.5W	4.5W	9W	9W	17.4W	13.9W
Max Intesnity in Continuous mode	2W/cm ²	2W/cm ²	2W/cm ²	2W/cm ²	2.2W/cm ²	1.2W/cm ²
Max Intesnity in Pulsed mode	3W/cm ²	3W/cm ²	3W/cm ²	3W/cm ²	3W/cm ²	2.4W/cm ²

*) Max output power has tolerance of ±20% OR ± 0.25[W]
whichever is greater



INTELECT TRANSPORT® 2-CHANNEL COMBO

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
4738	Intellect TranSport® 2 Combo
4782	Intellect TranSport 2 Ultrasound

STANDARD ACCESSORIES

PART NUMBER	DESCRIPTION
14679	Mains Power Cord
47335	Transport 2 Ultrasound Applicator 5cm ²
48384	Transport 2 User Manual
40-0097	Leadwire Assy, Stim, CH1, STD
40-0098	Leadwire Assy, Stim, CH1, STD
42192	Dura-Stick Plus 5 cm (2") Foam, Round Electrodes

OPTIONAL ACCESSORIES

PART NUMBER	DESCRIPTION
70010	Stim CH1/2 Leadwire Kit STD (For Combo Device Only)
10648	Nylatex Wrap (2 per Pack)
79967	6 x 8 cm (2.5 x 3 in) Carbon Electrodes (4x)
79970	Sponge Pocket 9 x 10.5 cm (4x)
72852	3 in (8 cm) Black Rubber Carbon Electrodes (2 per Pack)
72853	3 in (8cm) Red Rubber Electrodes (2 per Pack)
47334	Transport 2 Ultrasound Applicator 2 cm ²
47336	Transport 2 Ultrasound Applicator 10 cm ²
14-1086	Battery
15-1136	Cart



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MKT00-12606 Rev B

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Vectra® Neo
Simplified, Powerful Solutions...



Vectra Neo

Delivering the Results you Demand

Its intelligent design is clever in its features, usability and clinical technology. An exceptional patient and therapist experience.

Every element of the Vectra Neo has been expertly crafted, allowing the clinician to provide unparalleled utilization of the powerful and thoughtful design, empowering them to provide patients with a comprehensive level of rehabilitation.



You demand versatility and customization

Vectra Neo responds with plug-and-play modules, user-defined menus, and advanced reporting



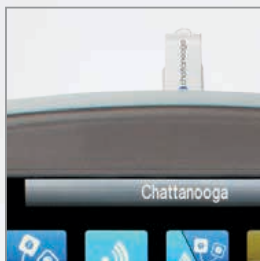
Custom made modality

Build the precise combination for your needs. The Vectra Neo has 4 module bays that accommodate the slide-in, plug-in-play module options: Channel 1-2 stim, Channel 1-2 stim/EMG, Channel 3-4 stim, Laser and Ultrasound.

Each unit is assembled and shipped specifically according to your customized clinical needs.

Customized Menus, Save Customized Treatments

Build your custom programs within the interface, save favorite or patient-specific treatments and customize the system to precisely fit your practice and your patient profiles.



Customized Patient Reporting

A high speed USB port allows simple and efficient transfer of patient information for therapy documentation and consultation.

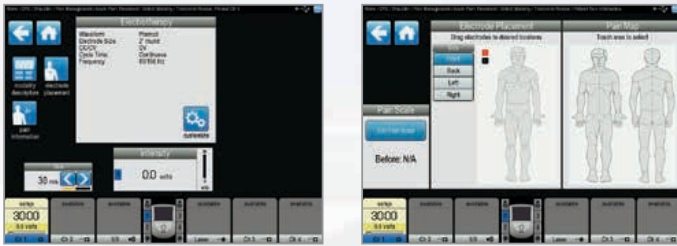


You Demand evidence-based Treatment Options

A convenient, intuitive graphic interface promptly guides you to the treatment protocol

Clinical Protocol Setup™

Vectra Neo is simple to use thanks to the Clinical Protocol Setup (CPS), which leads you through the functions of the device and each therapy.



With the power of Vectra Neo, you have a comprehensive reference library providing extensive information on therapy, treatments and pathologies – all at your fingertips. By selecting a patient's indications, a list of appropriate protocols will appear. Not only will this aid in facilitating treatments that are tailored to the needs of each patient, it enables you to enhance your daily clinic efficiency. In addition, all of this is managed within the device or can be exported to a USB flash drive.

Anatomical Library

Vectra Neo offers a rich anatomical library that illustrates an array of pathologies, making it easier for you to communicate with patients about their condition and educate them on further treatment options both in and outside the practice.



You Demand Form & Function

Smart, innovative and ergonomic design make Neo the high performance choice



Graphic User Interface

Full-color, 10.4" LCD touchscreen displays commands, data and imagery in sharp, vivid detail, including a gorgeous anatomical library of classic anatomy images and lifelike pathology renderings.

Lead Wire Management

The innovative lead wire management system ensures access and organization around the full circumference of the unit. Applicators can be inserted into the right or left side for optimal positioning and easy connection.



Screen Maneuverability

The screen swivels and tilts to a 90-degree range for enhanced patient viewing, privacy and maximized practitioner accessibility.

Integrated Applicator Cradles

Durable and functional, Neo allows you to house an ultrasound applicator, laser applicator or both - whatever suits your needs. In addition, these applicator cradles are modular and can be detached from the base or switched.



Cart or Tabletop Configuration

A completely modular setup allows you to choose among the components that best fit your practice; an ergonomic base unit, a cart with 4 module bays, and 5 available treatment options. The unit has an integrated base with discreet, strong handles for carrying. The high-quality cart is stable, height-adjustable, moves with ease, and includes three roomy storage drawers with sturdy pull tracks.

You Demand Ease of Use

Vectra Neo gives you confidence and control over your outcomes with an intuitive interface

Precision at Your Finger tips

Vectra Neo seamlessly guides both experienced and new operators through comprehensive menus and treatment parameters with intuitive software and clear, concise instructions. The easy-to-use

touchscreen launches the full spectrum of features all from the home screen, making navigation to treatments, reference sites, patient history quick and simple.



Electrotherapy



Ultrasound



sEMG



Laser



CPS

Electrode Placement Guide

A comprehensive electrode placement guide with detailed descriptions and imagery.



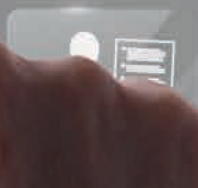
Custom
Protocols



CRPS



Assign Shortcut
4



Assign Shortcut
4



Patient Data



Anatomical
Library

You Demand Enhanced Clinical Technology

Vectra Neo's design and detail is the culmination of extensive research and development to bring you a pioneer product in the field of rehabilitation

Multipatient

The Multipatient function gives you the ability to treat more than one* patient at any one time.

Full Selection of Electrotherapy Waveforms



*excluding laser

You Demand Quality & Reliability

Your complete satisfaction is our highest priority, Quality and reliability are the foundation of Vectra Neo and what stands behind the Chattanooga promise everyday.

Chattanooga

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 on Voice-of-Customer exercises 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.

Proudly Assembled in the USA

Vectra Neo is proudly designed, assembled and shipped from our DJO Global headquarters in Vista, California.

Learn more about Vectra Neo and prescribe it for your patients; call for a demonstration today and see how a cutting-edge physical agent modality with a simplified operator interface can enhance your ability to achieve optimal outcomes.

Visit DJOglobal.com/chattanooga/vectraneo



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PROFESSIONAL PAIN MANAGEMENT

THERATOUGH® CX4, THERATOUGH® CX2 & THERATOUGH® EX4





ELECTROTHERAPY ELECTROSTIMULATION

TheraTouch® EX4

- 8 clinical waveforms
 - Interferential
 - Premodulated
 - TENS (Symmetrical Biphasic & Asymmetrical Biphasic)
 - NMS
 - Russian
 - High Volt
 - Microcurrent
 - RAAS: New, proprietary protocol for muscle movement assistance
- Selectable evidence-based clinical protocols
- 4 channels of stimulation, use independently or in conjunction
- English and Spanish language options
- Save up to 99 user-defined favorites
- Patient interrupt switch
- Full-color touchscreen interface
- Optional therapy cart



COMBINATION THERAPY ELECTROSTIMULATION + ULTRASOUND

TheraTouch® CX4

- 5 cm² ultrasound applicator
 - 1 & 3 MHz ultrasound frequencies
- 8 clinical waveforms
 - Interferential
 - Premodulated
 - TENS (Symmetrical Biphasic & Asymmetrical Biphasic)
 - NMS
 - Russian
 - High Volt
 - Microcurrent
 - RAAS: New, Proprietary protocol for muscle movement assistance
- Selectable evidence-based clinical protocols
- 4 channels of stimulation, use independently or in conjunction
- English and Spanish language options
- Save up to 99 user-defined favorites
- Patient interrupt switch
- Full-color touchscreen interface
- Optional therapy cart

TheraTouch® CX2

NOW AVAILABLE — TheraTouch CX2 provides same features of TheraTouch CX4 in a more compact two-channel configuration.

FREE VIDEO TRAINING AVAILABLE

Learn the navigation and operation of these devices with our online video training series, including application suggestions using the pre-programmed clinical protocols. Preview it today, at: richmarweb.com/how-to-cx4

INDUSTRY'S BEST
3 YEAR
WARRANTY

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COMBOCARE™

E-STIM AND ULTRASOUND COMBO PROFESSIONAL DEVICE

The microprocessor controlled ComboCare™ is a professional two-channel electrotherapy device that combines clinical ultrasound therapy with five treatment waveforms: IF 4-Pole, IF 2-Pole, Russian, EMS and TENS waveform. A dual frequency 5 cm² sound head comes standard with the unit and the large, easy-to-read LCD panel allows clinicians to quickly set up treatment parameters. The ComboCare's portable design allows it to be transported to patients or kept stationary at clinics. The advanced operating system ensures a complete range of therapy no matter where it is used. The ComboCare features several amplitude modulation options and the interferential and premodulated modes offer frequency modulation as well as a static frequency option. The advanced operating system ensures a complete range of therapy no matter where you use it! You can choose between several different amplitude modulation options. The interferential and premodulated modes offer frequency modulation as well as a static frequency option.



FEATURES:

- Two channels of electrical stimulation output
- Large easy-to-read graphical LCD display with exact dial performance and programmable timer
- Waveforms include: IF 4-Pole, IF 2-Pole, Russian, EMS and TENS waveform
- 10 presets per waveform totaling 50 presets in all
- 20 ultrasound presets
- User-defined memory positions for user protocols
- Designed for tabletop, therapy cart or mobile use
- Includes four (50 x 50 mm) adhesive electrodes, four (50 x 100 mm) adhesive electrodes, two sets of rubber electrodes with sponges, two elastic straps, two sets of lead wires, AC adapter and power cord, electrical stimulation cable, electrode wire for ultrasound combination, 5 cm² ultrasound head, transmission gel and operating manual
- 2-year warranty

ORDER DETAILS:

DQ7844 ComboCare™
Combo Therapy Device

TECHNICAL SPECIFICATIONS

GENERAL SPECIFICATIONS

Adapter Supply Voltage:	100-240 VAC, 47-63 Hz, 1.35A
Adapter Output:	15V — 3A Max.
Adapter Dimensions:	143mm (L) x 73mm (W) x 40mm (H)
Dimensions:	250mm (L) x 185mm (W) x 82 mm (H)
Operating Environment:	Temperature: 10°C (50°F) to 40°C (104°F) Relative Humidity: 30% - 85%
Storage Environment:	Temperature: -20°C (-4°F) to 55°C (131°F) Relative Humidity: 20% - 90%
Maximum Treatment Time:	60 minutes - electrical stimulation
Classification of protection against shock	Class II medical device
Classification of applied part	Type BF
Product Dimensions	9.8" (W) x 7.3 (L) x 3.2 (H)
Product Weight	5.5 lbs

ULTRASONIC GENERATOR MODE

Frequency (Freq):	1MHz ± 10% 3MHz ± 10%
Duty Factor (Duty):	10% - 100% , Stepping 10%
Pulse Repetition Rate:	100 Hz
Treatment Time:	Max. 30 minutes
Output Power:	0.5W - 10.0W, when duty factor > 80% for 5cm ² 0.5W - 15.0W, when duty factor < 70% for 5cm ² 0.1W - 2.0W, when duty factor > 80% for 1cm ² 0.1W - 3.0W, when duty factor < 70% for 1cm ²
Effective radiating area (Aer)	1. 0cm ² Optional 5. 0cm ²
Effective Intensity (Max):	3. 0W/cm ²
Indication Accuracy:	± 20% (for any level above 10% of maximum)

4-POLE INTERFERENTIAL MODE

Waveform Type:	Bi-phasic square
Mode Selection:	CC (Constant Current) or CV (Constant Voltage)
Vector:	Auto: 0%-100% Manual: 0°-90°
Carrier Frequency (C.F.):	4.0kHz
Sweep Low Beat Frequency:(Beat H.)	(Beat L.) - 150 Hz
Sweep High Beat Frequency:(Beat L.)	1-(Beat H.) Hz
Output Intensity:	0-50mA (CC, at 1k ohm load) 0-50V (CV, at 1k ohm load)
Treatment Time:	1-60 minutes

2-POLE INTERFERENTIAL MODE

Waveform Type:	Bi-phasic square
Mode Selection:	CC (Constant Current) or CV (Constant Voltage)
Carrier Frequency (C.F.):	2.5kHz
Sweep Low Beat Frequency:(Beat H.)	(Beat L.) - 150 Hz
Sweep High Bet Frequency:(Beat L.)	1-(Beat H.) Hz
Output Intensity:	0-50mA (CC, at 1k ohm load) 0-50V (CV, at 1k ohm load)
Treatment Time:	1-60 minutes
Cycle Time (Cycle):	Continuous, 5/5, 4/12, 10/10, 10/20, 10/30, 10/50
Ramp Time (Ramp):	2 seconds

TENS and EMS MODE

Waveform Type:	Mono- or Bi-phasic square
Mode Selection:	CC (Constant Current) or CV (Constant Voltage)
Frequency:	1-250 Hz
Frequency Modulation (F.M.):	0-249 Hz
Burst Rate (Burst):	0-10Hz (7 pulse)
Phase Duration (P.Dur):	30-400µs
Amplitude Modulation (A.M.)	0%-100%
Output Intensity:	0-100mA (CC, at 1k ohm load) 0-100V (CV, at 1k ohm load)
Cycle Time (Cycle):	Continuous , 4/4, 4/8, 7/7, 5/5, 4/12,10/10, 10/20, 10/30, 10/50
Treatment Time:	1-60 minutes
Ramp Time:	1 second

RUSSIAN MODE

Waveform Type:	Bi-phasic square
Mode Selection:	CC (Constant Current) or CV (Constant Voltage)
Carrier Frequency (C.F.):	2.5kHz
Burst Frequency (Freq.)	20-100 Hz
Output Intensity:	0-50mA (CC, at 1k ohm load) 0-50V (CV, at 1k ohm load)
Duty Cycle:	10%, 20%, 30%, 40%, and 50%
Treatment Time:	1-60 minutes
Ramp Time (Ramp):	1s, 2s, and 5s

Caution: This is a Class II Medical device and Federal law restricts this device to sale by or on the order of a licensed health care professional.