



INTELECT TRANSPORT® 2

Restore Motion





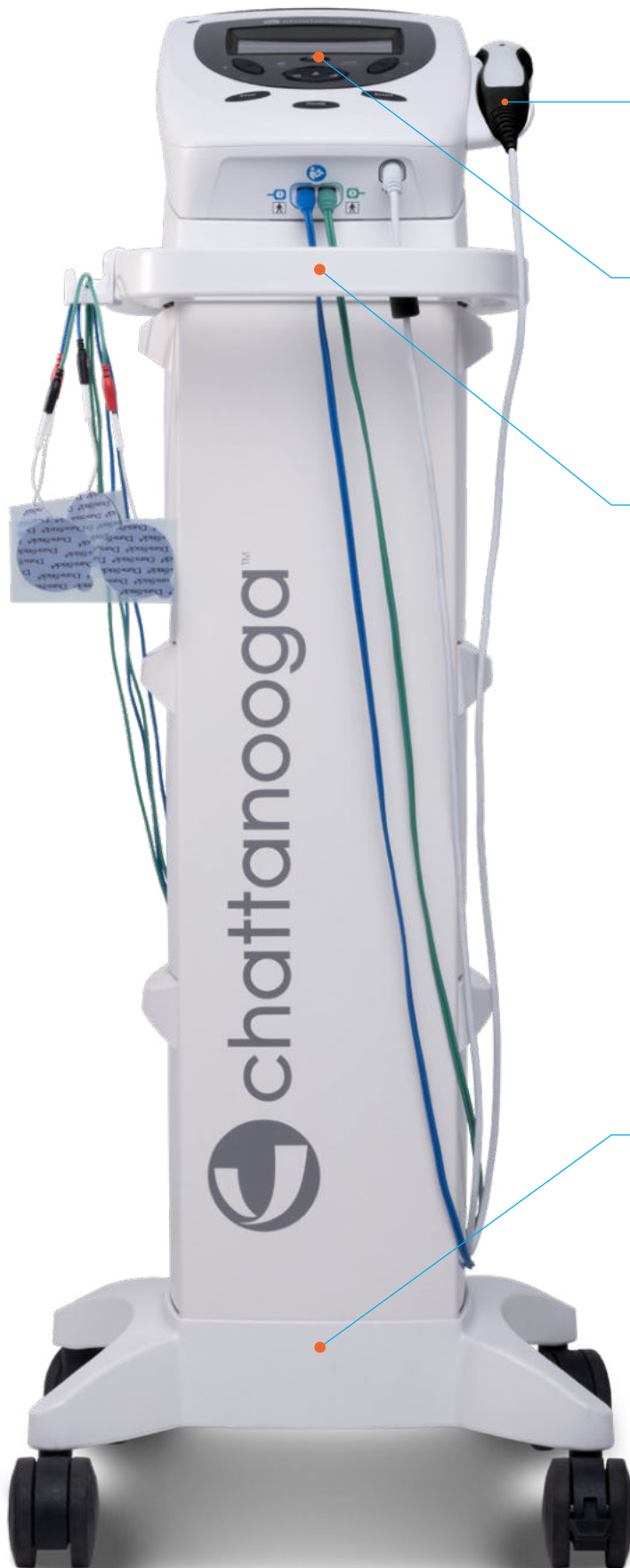
INTELECT TRANSPORT® 2

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

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.
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.
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.
4. Takla (2018), Sentendreu (2021)
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. 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



T 800.321.9549 F 800.936.6569

DJO, LLC
5919 Sea Otter Place, Suite 200 | Carlsbad, CA 92010 | U.S.A.
enovis.com/chattanooga

Copyright © 2023 DJO, LLC
MKT00-12606 Rev B

Individual results may vary. Neither DJO, LLC nor any of the Enovis companies 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.