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# Intelect Transport® 2

**RESTORE MOTION**





# INTELECT TRANSPORT® 2

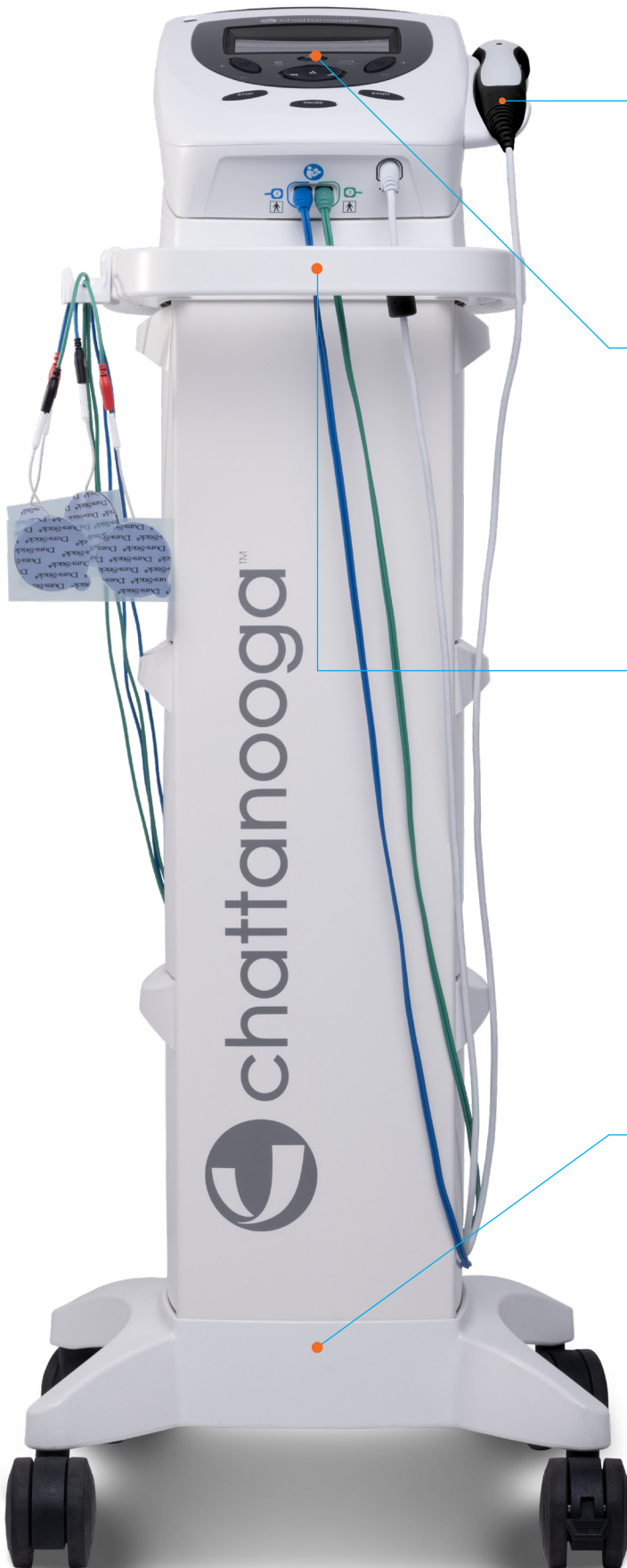
## THE SMART CHOICE

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 and Intellect Mobile line, Intellect Transport 2 is easy and intuitive to use and includes all of the essential features needed to get your patients moving.



## KEY BENEFITS



### BETTER TREATMENT OUTCOME

Improved ultrasound coupling detection and monitoring ensures the patient is receiving the intended energy for his treatment.

### QUICK TREATMENT SETUP AND CUSTOMIZATION

High resolution color screen with clear, intuitive menus provide real time information on treatment progress. Device memory allows the end user to save up to 15 custom protocols for future use.

### IMPROVED PORTABILITY AND VERSATILITY

Ergonomically designed device handle, lightweight design and optional long lasting battery makes it easy to treat patients wherever is required within the facility.

### REDUCED COMPLEXITY - DEVICE SETUP

Optional cart with large storage drawers ensuring all accessories are conveniently located close to the device. Magnetic fixation of the device to the cart allows for secure attachment and detachment without the need for any tools.



## ELECTROTHERAPY INDICATIONS

### **TENS:**

- Symptomatic relief of acute and chronic pain associated with musculoskeletal conditions<sup>1</sup>
- Management and alleviation of post-operative pain<sup>1</sup>

### **NMES:**

- Skeletal muscle deficit disorders resulting in benefits such as:
  - Muscle re-education<sup>2</sup>
  - Maintaining/increasing range of motion<sup>2</sup>

## ULTRASOUND INDICATIONS

### **Ultrasound:**

- Musculoskeletal conditions; facilitating pain relief to the affected area<sup>3,4</sup>



## CLINICAL INFORMATION

1. Bilgili A, Çakır T, Doğan ŞK, Erçalık T, Filiz MB, Toraman F. The effectiveness of transcutaneous electrical nerve stimulation in the management of patients with complex regional pain syndrome: A randomized, double-blinded, placebo-controlled prospective study. *J Back Musculoskeletal Rehabil.* 2016 Nov 21;29(4):661-671. doi: 10.3233/BMR-160667. PMID: 26922847.
2. Yoshida Y, Ikuno K, Shomoto K. Comparison of the Effect of Sensory-Level and Conventional Motor-Level Neuromuscular Electrical Stimulations on Quadriceps Strength After Total Knee Arthroplasty: A Prospective Randomized Single-Blind Trial. *Arch Phys Med Rehabil.* 2017 Dec;98(12):2364-2370. doi: 10.1016/j.apmr.2017.05.005. Epub 2017 Jun 10. PMID: 28610968.
3. Catalbas et al Ultrasonographic imaging of the effects of continuous, pulsed or sham ultrasound treatments on carpal tunnel syndrome: A randomized controlled study *J Back Musculoskeletal Rehabil.* 2018;31(5):981-989.



4. Ekici Ö, Dündar Ü, Gökay GD, Büyükbosna M. Evaluation of the efficiency of different treatment modalities in individuals with painful temporomandibular joint disc displacement with reduction: a randomised controlled clinical trial. *Br J Oral Maxillofac Surg.* 2021 Aug 26;S0266-4356(21)00305-3. doi: 10.1016/j.bjoms.2021.08.001. Epub ahead of print. PMID: 34756640.



5. Waschl S, Morrissey MC, Rugelj D. The efficacy of ultrasound-facilitated electrical stimulation as an adjunct to exercise in treating chronic neck and shoulder pain. *Journal of musculoskeletal pain,* 2014, 22(1), 78-88 | added to CENTRAL: 30 June 2014 | 2014 Issue 6



# INTELECT TRANSPORT® 2 COMBO



## SPECIFICATION

The Intelect Transport 2 COMBO is a two-channel electrotherapy, ultrasound therapy and combo system used with or without an optional cart. For electrotherapy treatments, 14 waveforms are included.

## ELECTRO STIMULATION SPECIFICATION

Unless otherwise specified, electrotherapy controls accuracy is  $\pm 20\%$

Load impedance: 500-1000 Ohm

CC = constant current, effect of load impedance on voltage

CV = constant voltage, effect of load impedance on current

### DID YOU KNOW?

The combined use of Ultrasound and Electrotherapy can reduce the pain intensity by 64% on a VAS scale in patients with chronic neck and shoulder pain.<sup>5</sup>

## WAVEFORMS



**VMS™**



**INTERFERENTIAL  
4 POLE**



**INTERFERENTIAL  
2 POLE**



**HIGH VOLTAGE  
PULSED CURRENT**



**MICROCURRENT**



**TENS - ASYMM BIPH**



**TENS - SYMM BIPH**



**GALVANIC  
CONTINUOUS**



**GALVANIC  
INTERRUPTED**



**MONOPHASIC  
TRIANGULAR  
PULSED**



**MONOPHASIC  
RECTANGULAR  
PULSED**



**TRABERT**



**RUSSIAN**



**DIADYNAMIC**

## ORDERING INFORMATION

PART NUMBER	DESCRIPTION
4778	Intelect Transport 2 Combo English/ French/Spanish
4778-L1	Intelect Transport 2 Combo English/German/Polish/ Greek/Italian/Dutch/Brazilian Portuguese
4778-L2	Intelect Transport 2 Combo English/Czech/Slovak/ Turkish/Russian/Ukraine/Portugal Portuguese
4778-L3	Intelect Transport 2 Combo English/Korean/Chinese/ Hungarian/Romanian/Croatian/Japanese

## STANDARD ACCESSORIES IN THE KIT

PART NUMBER	DESCRIPTION
47383	5cm2 Ultrasound Applicator
48100	International Accessory Kit: Stim CH1/2 Leadwire Silicon/Carbon Electrode 6x8 cm Black Sponge Pocket 9x10.5cm Nylatex Wrap 2-1/2x24 Sewn Dura-Stick+ 5 cm Round Electrodes
	Mains Power Cord EU for 4778, 4778-L1 and 4778-L2 Mains Power Cord US and EU for 4778-L3*

\* for others Power Cords see back page

# INTELECT TRANSPORT® 2 ULTRASOUND



## SPECIFICATION

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. The device comes standard with a 5cm<sup>2</sup> ultrasound applicator with additional sizes available.

## ULTRASOUND SPECIFICATION

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

### DID YOU KNOW?

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.

## OUTPUT POWER

ULTRASOUND APPLICATOR FREQUENCY	2cm <sup>2</sup>		5cm <sup>2</sup>		10cm <sup>2</sup>	
	1MHz	3.3MHz	1MHz	3.3MHz	1MHz	3.3MHz
EFFECTIVE RADIATING AREA ERA INTL (CM <sup>2</sup> )	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

ULTRASOUND APPLICATOR FREQUENCY	2cm <sup>2</sup>		5cm <sup>2</sup>		10cm <sup>2</sup>	
	1MHz	3.3MHz	1MHz	3.3MHz	1MHz	3.3MHz
MAX OUTPUT POWER IN PULSED MODE	4.5W	4.5W	9W	9W	17.4W	13.9W
MAX INTENSITY IN CONTINUOUS MODE	2W/cm <sup>2</sup>	2W/cm <sup>2</sup>	2W/cm <sup>2</sup>	2W/cm <sup>2</sup>	2.2W/cm <sup>2</sup>	1.2W/cm <sup>2</sup>
MAX INTENSITY IN PULSED MODE	3W/cm <sup>2</sup>	3W/cm <sup>2</sup>	3W/cm <sup>2</sup>	3W/cm <sup>2</sup>	3W/cm <sup>2</sup>	3W/cm <sup>2</sup>

## ORDERING INFORMATION

PART NUMBER	DESCRIPTION
4776	Intelect Transport 2 Ultrasound English/French/Spanish
4776-L1	Intelect Transport 2 Ultrasound English/German/Polish/Greek/Italian/Dutch/Brazilian Portuguese
4776-L2	Intelect Transport 2 Ultrasound English/Czech/Slovak/Turkish/Russian/Ukraine/Portugal Portuguese
4776-L3	Intelect Transport 2 Ultrasound English/Korean/Chinese/Hungarian/Romanian/Croatian/Japanese

## STANDARD ACCESSORIES IN THE KIT

PART NUMBER	DESCRIPTION
47383	5cm <sup>2</sup> Ultrasound Applicator
	Mains Power Cord EU for 4776, 4776-L1 and 4776-L 2 Mains Power Cord US and EU for 4776-L3*

\* for others Power Cords see back page



# INTELECT TRANSPORT 2 ORDERING INFORMATION

## POWER CORD ACCESSORIES

Not part of the initial kit but mandatory, to be ordered separately.	
14815	Mains Power Cord UK
14816	Mains Power Cord India
14819	Mains Power Cord Australia

## OPTIONAL ACCESSORIES

47382	2cm <sup>2</sup> Ultrasound Applicator
47383	5cm <sup>2</sup> Ultrasound Applicator
47384	10cm <sup>2</sup> Ultrasound Applicator
15-1136	Electrotherapy Cart
14-1086	Battery
42192	Dura-Stick+ 5cm Round Electrodes (10/Pk)
79970	Sponge Pocket 9x10.5cm (4/Pk)
10648	Nylatex Wrap (2/Pk)
70010	Stim CH 1/2 Leadwire Kit
79967	Silicon/Carbon Electrode 6x8 cm Black
14820	Mains Power Cord EU
14679	Mains Power Cord US



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