



# INTELECT® **LEGEND 2**

THE NEXT GENERATION  
IN ELECTROTHERAPY





## 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.

The Intellect® Legend 2 is simple to use and set up thanks to the built in suggested protocol settings developed around current clinical practices.

The Intellect® Legend 2 has an easily accessible, high resolution anatomical library which allows you to explain visually to the patient their condition and the treatment pathway.



# KEY FEATURES

## INNOVATION AND SIMPLICITY THROUGH DESIGN



### LARGE GRAPHIC COLOR TOUCH SCREEN

High resolution 7" capacitive touch screen for access to intuitive user interface and extensive anatomical library. Suggestions for the placement of electrodes and areas for ultrasound applicator placement are in easy to use and find guidelines. The touch screen also gives real time information as to the progress of the individual treatment and a summary after treatment ends.



### NEW ULTRASOUND APPLICATOR

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

### ERGONOMIC DESIGN

Extended battery life, magnetic cart attachment and ergonomic handle the device simple and convenient to use anywhere in the clinic.



### MOBILE

Lightweight device with ergonomically designed handle and optional integral battery, eliminating the need to carry mains wires on home visits. Optional custom carry case available for transporting the device safely and securely.



### OPTIONAL CART

Optional cart with storage drawers ensuring all accessories are convenient and easy to reach from the device. Large wheels and extended power cord allow the cart and device to be moved easily around the office.

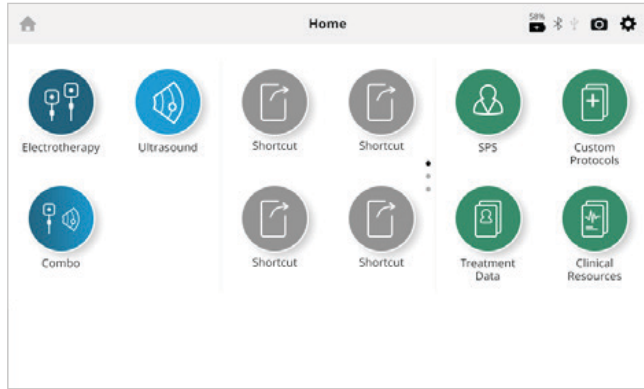


# KEY FEATURES - INTERFACE

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

## INTELLIGENT INTERFACE

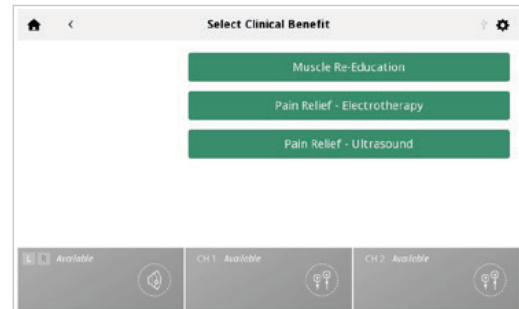
Buttons on the device and connection points for modality accessories have interactive lights to show the status of the device or port.



## SUGGESTED PROTOCOL SETTING

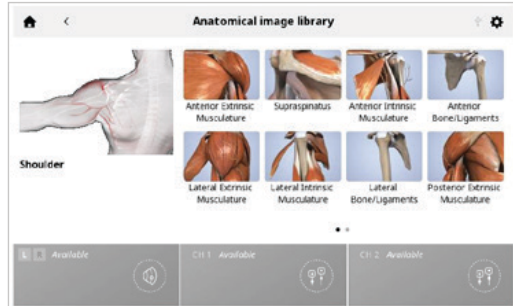
Assists the user in setting the functions of the device and each therapy, settings are based on current clinical practice.

Suggested protocol settings (SPS) can be modified to produce custom treatment regimens and saved as a custom protocol.



## HI RESOLUTION ANATOMICAL LIBRARY

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



## FUTURE PROOF TECHNOLOGY

Intellect® 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](http://chattanoogarehab.com) along with simple instructions on how to perform any upgrades.



# INDICATIONS

## TENS/NMES

- Relaxation of muscle spasms<sup>1</sup>
- Prevention or retardation of disuse atrophy<sup>2</sup>
- Increasing local blood circulation<sup>3</sup>
- Muscle re-education<sup>11</sup>
- Maintaining or increasing range of motion<sup>4</sup>
- Immediate postsurgical stimulation of calf muscles to prevent venous thrombosis<sup>12</sup>
- Symptomatic relief or management of chronic, intractable pain<sup>5</sup>
- Post-traumatic acute pain<sup>6</sup>
- Post-surgical acute pain<sup>7</sup>

## ULTRASOUND

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

- Adhesive capsulitis<sup>8</sup>
- Bursitis with slight calcification<sup>9</sup>
- Myositis<sup>9</sup>
- Soft tissue injuries<sup>10</sup>
- Shortened tendons due to past injuries and scar tissues<sup>9</sup>
- Capsular tightness<sup>9</sup>
- Capsular scarring<sup>9</sup>



## 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, Faila MJ, Stevens-Lapstaey JE, Endres NK, Slauterbeck JR, Beynon 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. 510K Device Clearance Statement
12. 510K Device Clearance Statement

# INTELECT® LEGEND 2 RANGE



## 2 CHANNEL COMBO

The Intellect® 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 Intellect® 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)
<b>INTELECT® LEGEND 2 HEAD UNIT</b>				
2 CHANNEL COMBO	13.4in	14.0in	5.9in	6.8lbs
4 CHANNEL COMBO	13.4in	14.0in	5.9in	8.2lbs
<b>CART CONFIGURATIONS</b>				
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 <sup>2</sup>		2cm <sup>2</sup>		5cm <sup>2</sup>		10cm <sup>2</sup>	
	1MHz	3MHz	1MHz	3MHz	1MHz	3MHz	1MHz	3MHz
Effective Radiating Area ERA INTL (cm <sup>2</sup> )	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 <sup>2</sup>	2W/cm <sup>2</sup>	2W/cm <sup>2</sup>	2W/cm <sup>2</sup>	2W/cm <sup>2</sup>	2W/cm <sup>2</sup>	2W/cm <sup>2</sup>	1W/cm <sup>2</sup>
Max Amplitude 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>	3W/cm <sup>2</sup>	2W/cm <sup>2</sup>

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	Intelect® Legend 2 Two Channel Combo Set
81-5011	Intelect® Legend 2 Four Channel Combo Set
12-5010	Intelect® Legend 2 Two Channel Combo Device
12-5011	Intelect® Legend 2 Four Channel Combo Device
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	Intelect® Legend 2 Cart
14-1086	Intelect® Legend 2 Battery
15-0160	1cm applicator
15-0161	2cm applicator
15-0163	10cm applicator
4248-12	Ultrasound Gel (12 Bottles)
79967	6x8 cm Carbon Electrodes (QTY 4)
15-1140	USB drive



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