



## INTELECT® **RPW 2**

Next Generation  
Shockwave Therapy

*Treat Deeper.  
Faster.  
Easier.*





# INTELECT® RPW 2

## Next Generation Shockwave Therapy

### TREAT DEEPER. FASTER. EASIER.

The Intellect® RPW 2 brings the next generation of shockwave therapy to the treatment room using Radial Pressure Wave technology. Designed to activate connective tissue from the surface level to difficult-to-reach pathologies, the new Intellect® RPW 2 is a modality for addressing pain and inflammation in orthopaedic conditions.\*

Chattanooga Intellect® RPW 2 can provide clinicians with an effective and efficient platform that can assist in activating connective tissue with difficult to reach pathologies<sup>2,3,4,5</sup> while helping to reduce wear and tear on the clinician's hands and arms.

### EASE OF USE

Incorporating high resolution touch screen technology, the Intellect® RPW 2 was created with ease of use for the clinician in mind. The clinical protocols library provides a visual anatomical and pathological library as well as treatment guidelines to aid the clinician in providing effective treatments for a large range of pathologies. The Chattanooga Intellect® Connect App provides a seamless transition of patient data from the device to the PC, allowing the clinician to produce reports and to share patient data across other Chattanooga devices. Built with ease of use in mind, the Intellect® RPW 2 includes the new ergonomic Falcon® Handpiece and convenient storage placement of device accessories.

### TREAT A WIDE RANGE OF PATHOLOGIES<sup>2,3,4,5</sup>

Now available with a broader range of pressure settings and 21 unique transmitter attachments, the Intellect® RPW 2 can be customized to help treat a wide range of pathologies. With guidelines on recommended transmitters for specific conditions, clinicians can address tendinopathies and myofascial trigger points as well as pain and inflammation. The versatility offered by Intellect® RPW 2 makes it the true difference maker as your next revenue generating clinical asset.

### PATIENT COMFORT

Featuring the new Falcon® Handpiece and treatment transmitters, the Intellect® RPW 2 is equipped with a broader range of bar pressures to help assist in patient comfort during treatment. Chattanooga's proprietary 'Comfort Mode' provides an automatic energy ramp up, to help create a more comfortable treatment experience for the patient.

## KEY FEATURES



### SUGGESTED PROTOCOLS LIBRARY

Available at a finger click; treatment pictures, anatomical and pathological library, treatments guidelines.

### LARGE GRAPHIC COLOR TOUCH SCREEN

High resolution 7" capacitive touch screen for enhanced user experience.

### NEW FALCON® HANDPIECE

allowing lower Bar pressures for an increased range of indications and applicators.



### PROPRIETARY COMFORT MODE

Unique automatic energy ramp up designed to provide better patient comfort.

### V-ACTOR® HF\*

Vibration frequency up to 50Hz for Vibration therapy and muscle relaxation.



### LARGE CHOICE OF TRANSMITTERS\*

17 different transmitters available for tendinopathies, trigger points, spine and fascia treatments.

### EASY FIT FOR EVERY TREATMENT ROOM

With its slim design and built-in rolling cart, the Intellect® RPW 2 moves around the treatment room with ease.

### WINDOWS 10 APP

The Intellect Connect App\* gives great flexibility in the handling and processing patient data, allowing the export of patient treatment data and protocols from device to PC allowing not only the ability to produce reports but also to share treatments and patient data between multiple Intellect RPW 2 devices within a practice and in other smart enabled Chattanooga devices. Download the Intellect® Connect App free from [www.chattanooga rehab.com](http://www.chattanooga rehab.com)



\*FDA 510(k) Clearance Statement

\* Optional accessories

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# TARGETED PAIN RELIEF

The Intellect® RPW 2 allows for the treatment of indications with radial, pneumatically-generated, low-energy acoustic waves, or ‘pressure pulses’. The applied pressure pulse propagates radially within the tissue, generating a therapeutic effect.

The V-ACTOR® HF optional hand piece allows mechanical vibration, for high frequency vibration massage.

## INDICATIONS

- ACHILLES TENDINOPATHY <sup>1</sup>
- DISORDERS OF TENDONS INSERTIONS <sup>2</sup>
- MYOFASCIAL TRIGGER POINTS <sup>3</sup>
- PAIN & INFLAMMATION IN ORTHOPAEDIC CONDITIONS <sup>4</sup>
- PLANTAR FASCIITIS <sup>5</sup>
- PULSE VIBRATION MASSAGE <sup>6</sup>

INTENDED TO BE USED TO HELP:

- REDUCE MUSCLE PAIN AND ACHES
- TEMPORARILY INCREASE BLOOD FLOW
- ACTIVATE CONNECTIVE TISSUE

Common painful conditions that can be treated by Radial Pressure Wave (RPW) therapy to help reduce pain, increase blood flow, and activate connective tissue in the affected area.\*

**Myofascial Trigger Points (MTrP):** Localizing and Deactivating Trigger Points

- Triggers are localized at the low energy level (approximately 2 bar) by passing the transmitter over the muscle region being treated (increased sensitivity to pain) and then deactivated using a higher energy level (approximately 3 bar).

**Activation of Muscle and Connective Tissue:** Increasing Circulation

- Promotes blood flow through the tissue and boosting metabolism.

**Pulse Vibration Massage**

- Soothing relief from muscle strain and stress.

**Disorders of Tendon Insertions:** Plantar Fasciitis, Heel Pain, or Heel Spur

- Plantar Fasciitis is an inflammatory condition of the foot caused by excessive wear to the plantar fascia that supports the arch

**Tendinosis Calcarea/Supraspinatus-Tendon:** Shoulder calcifications and chronic shoulder pain

**Radial and Ulnar Humeral Epicondylitis:** Tennis elbow, inflammation of tendon attachments on cubital or radial part of elbow joint (humeral)

**Achillodynia:** Pain due to inflammation of the Achilles tendon or the bursa associated with it.

**Retropatellar Pain Syndrome:** Pain in the front of, behind, and around the kneecap.

**Tibial Edge Syndrome:** Pain located along or just behind the medial edge of the tibia

**Proximal Iliotibial band Friction Syndrome/Trochanteric Insertion Tendonitis:** Pain or aching on the outer side of the knee or hip

\*For detailed information please read the contraindications, side effects, precautions and safety instructions within the user manual prior to the treatment.

## RECOMMENDED TREATMENT GUIDELINES

- LOCALIZE THE PAINFUL AREAS YOU PLAN TO TREAT
- SELECT MOST APPROPRIATE TRANSMITTERS BASED ON TREATMENT GOAL AND TARGETED TISSUE
- APPLY ULTRA SOUND WATER BASED GEL ON THE SKIN OVERLYING THE TREATMENT AREA
- ALWAYS START WITH LOWER LEVEL OF INTENSITY
- PERFORM A POST-TREATMENT TEST TO SEE FOR BETTER FUNCTION AND DECREASED IN PAIN

As a result of clinical evidence, most treatment protocols are based on 5 to 10 sessions of 1,500-2,500 shocks.

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## EDUCATION

Access to an online education platform and scientific research library is offered to every Chattanooga® Intellect® RPW 2 user.

## CLINICAL INFORMATION

1. Gerdesmeyer L. Current evidence of extracorporeal shock wave therapy in chronic Achilles tendinopathy.NCBINCBi Logo Int J Surg. 2015 Dec;24(Pt B):154-9. doi: 10.1016/j.ijsu.2015.07.718. Epub 2015 Aug 29."

2. Gerdesmeyer L. Current evidence of extracorporeal shock wave therapy in chronic Achilles tendinopathy.NCBINCBi Logo Int J Surg. 2015 .

3. Nedelka T.Mechano-transduction effect of shockwaves in the treatment of lumbar facet joint pain.Neuro Endocrinol Lett. 2014

4. Schmitz C. Efficacy and safety of extracorporeal shock wave therapy for orthopedic conditions: a systematic review on studies listed in the PEDro database.Br Med Bull. 2015;116:115-38. doi: 10.1093/bmb/ldv047. Epub 2015 Nov 18.

5. Ogden JA. Shockwave therapy for chronic proximal plantar fasciitis: a meta-analysis.Foot Ankle Int. 2002 Apr;23(4):301-8

6. S. Broadbent, JJ. Rousseau, RM. Thorp, SL. Choate, FS. Jackson, DS. Rowlands. Vibration therapy reduces plasma IL6 and muscle soreness after downhill running. 2010 Sep;44(12):888-94

# INTELECT® RPW 2 TRANSMITTERS

A choice of standard transmitters for Radial Pressure Wave (RPW) indications.

Each transmitter is unique by shape and material to deliver it's own energy flux density and wave profile.

## TRIGGER POINTS / TENDINOPATHIES



**Ro40**  
15 mm Energy beam transmitter with concave coupling surface, best for pain zones near the skin surface  
**Penetration depth 0-35mm**  
**Intensity level: Medium**



**R15**  
15mm transmitter for any type of tendinopathies  
**Penetration depth 0-35mm**  
**Intensity level: Medium**



**C15 CERAmA-x®**  
Ceramic Energy 15mm transmitter for any type of tendonopathies  
**Penetration depth 0-35mm**  
**Intensity level: High**



**D115**  
Golden Depth 15mm Deep Impact® transmitter for deep target areas, chronic disorders, local trigger points  
**Penetration depth 0-60mm**  
**Intensity level: High**



**A6**  
Acupuncture like transmitter 6mm for local trigger points  
**Penetration depth 0-20mm**  
**Intensity level: Low**



**T10**  
Finger transmitter 10mm for deep target tendonopathies  
**Penetration depth 0-40mm**  
**Intensity level: High**



**F15**  
White soft transmitter 15mm for superficial pain regions, muscles of mastication, cervical spine  
**Penetration depth 0-30mm**  
**Intensity level: Very Low**



**ATLAS**  
Soft flexible tipped transmitter 15mm for highly sensitive regions and triggerpoints in the cervical spine  
**Penetration depth 0-15mm**  
**Intensity level: Low**

## MYOFASCIAL TREATMENTS



**D20-S**  
Standard Oscillator, 20mm transmitter for muscle and connective tissue  
**Penetration depth 0-50mm**  
**Intensity level: Medium**



**D20-T**  
Golden Oscillator 20mm transmitter for professional athletes, High energy application  
**Penetration depth 0-50mm**  
**Intensity level: Very High**



**D35-S**  
Large oscillator 35mm for large muscles and connective tissue  
**Penetration depth 0-60mm**  
**Intensity level: Medium**

## SPINE TREATMENTS

Double Tip shape to allows treatments of the paravertebral region

### SPINE-ACTOR®

3 sizes span from 20 to 35mm



## FASCIA TREATMENTS

Unique shape especially designed to dissolve clots in the Fascia structures



### PERI-ACTOR® KNUCKLE

For Medium-sized and large fasciae thoracolumbar fasciae, plantar fasciae, trigger bands, shoulder and neck region



### PERI-ACTOR® SCOOP

Treatment at or below the edges of bones: Front iliac crest, edge of the tibia



### PERI-ACTOR® SCRAPER

Treatment of all fasciae trigger band



### PERI-ACTOR® SPHERE

Punctual treatment of fasciae: Plantar fasciae, Arch of foot, Hand, Trigger points, Cervical spine Fasciae

## VIBRATION THERAPY



### V10

10mm for superficlea trigger points



### V25

25mm for muscle massage



### V40

40mm for large muscles groups

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## TECHNICAL INFORMATION

**2176 KIT:** 120V AC 50- 60Hz 350VA

**DIMENSIONS WxHxD:** 16.15in x 16.54in x 4.3.31in

**WEIGHT:** 66.14 Lbs.

**COMPRESSED AIR OUTPUT:** 0.3-5.0 bar

**POWER INCREMENT SETTINGS:** 0.1 bar

**PULSE AMPLITUDE:** Approx 2mm at 3 bar, idling (without coupling)

**PULSE WIDTH:** Approx 6-12ms

**PULSE FREQUENCY:** FALCON® handpiece 1-21Hz for RPW, V-ACTOR® handpiece 1-50Hz for vibration

**MODE:** Single pulse or continuous

**USER INTERFACE:** 7 inch, 800x480 pixels color graphic capacitive touch screen

**CONFORMITY:** This device complies with the applicable standards EN/IEC 60601-1, CAN/CSA-C22.2 No.601.1, UL Std. No 60601-1.

**CLASSIFICATION ACCORDING TO MDD:** class IIa device 93/42 60601-1

**LEGAL MANUFACTURER:** DJO France SAS - CE 2797

### ORDERING INFORMATION

PART NUMBER	DESCRIPTION
2176KIT	Intellect® RPW 2 120V AC-50 - 60 Hz 350VA

### STANDARD ACCESSORIES

PART NUMBER	DESCRIPTION
18080	FALCON® handpiece, including 2x projectile; 2x guiding tube; 1 cleaning brush, 1x wrench; 1x allen key
1x Power cord with EU plug for 2174KIT, 1x Power cord with North American plug for 2173KIT, 1x Power cord with Japanese plug for 2175KIT	

13-28660*	Quick start guide booklets (available in multiple languages)	28178	Transmitter Ro40
22652	Transmitters tray	29724	Transmitter D20-S black
22651	Gel bottle support cup	82-0274	Intellect RPW 2 pouch
4248	1x Transmission gel, 250 ml	15-1140	USB Key

### OPTIONAL ACCESSORIES

PART NUMBER	DESCRIPTION
81-0133	Intellect® RPW2 PRO Package-Optional Accessory Kit includes 19365 V-Actor HF handpiece with V25 & V40 Transmitters, the 29728 Di15 Gold Transmitter & 29539 Atlas (soft) RPW Transmitter.
18080	FALCON handpiece, including 2x projectile; 2x guiding tube; 1 cleaning brush, 1x wrench; 1x allen key
29104	Revision kit short including 2x projectiles; 2x guiding tubes short; 2x o-ring set; 1x o-ring guide

29801	A6 transmitter black	82-0274	Intellect RPW 2 pouch
29802	T10 transmitter black	22651	Gel bottle support cup
29729	C15 transmitter black	22652	Transmitter tray
29728	DI15 transmitter black	4248	24x Transmission gel, 250 ml
29726	F15 transmitter black	14820	Power cord EU
29724	D20-S transmitter black	14679	Power cord North America
29725	D35-S transmitter black	14821	Power cord JAPAN
28736	D20-T transmitter black	14814	Power cord Swiss
28178	Ro40 transmitter red	14819	Power cord Australia
18638	R15 transmitter black	14815	Power cord UK
29539	Atlas RPW transmitter	14816	Power cord India
19365	V-ACTOR® HF handpiece set Including V-ACTOR®, V25 and V40 transmitters	14817	Power cord Israel
29742	V-ACTOR V10 transmitter	14818	Power cord Denmark
28740	V-ACTOR V25 transmitter		
28741	V-ACTOR V40 transmitter		
31800	Transmitter box including 9 transmitters (A6, T10, C15, DI15, F15, D20-S, D35-S, D20-T, Ro40)		
28945	PERI-ACTOR® fascia transmitter set including 4 transmitters		
28946	SPINE-ACTOR® transmitter set including 3 transmitters		

