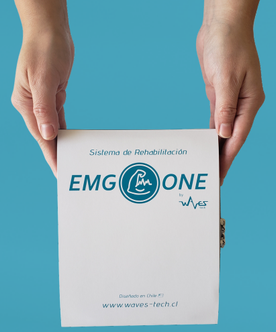
Tech specs

TELEREHABILITATION SYSTEM

EMG ONE

A potable and affordable telerehabilitation system developed by the chilean company Waves Tech

Waves tech



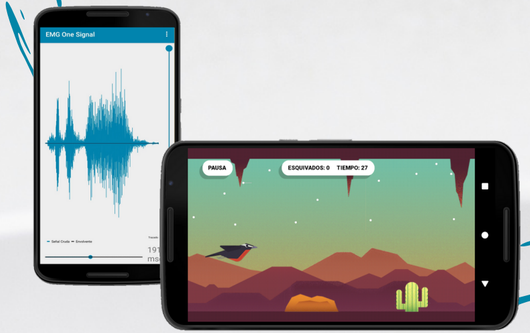
TELEREHABILITATION SYSTEM

EMG ONE

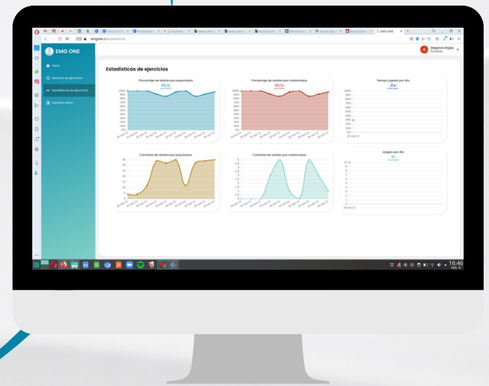
EMG One COMPONENTS

1 Portable EMG kit

2 Apps



3 Server



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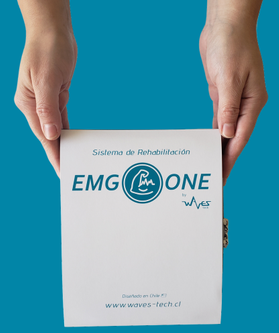
contacto@waves-tech.cl
www.waves-tech.cl



POCKET-SIZE
ELECROMYPGRAPH

POCKET-SIZE ELECROMYPGRAPH

- Differential electromyograph
- 1000x amplification
- Filters: 10Hz high-pass, 450 Hz low-pass
- 3.7 v lithium polymer battery
- USB rechargable (USB adapter not included)
- Mobile device (smartphone or thablet MUST have a 3.5 mm audio input jack)

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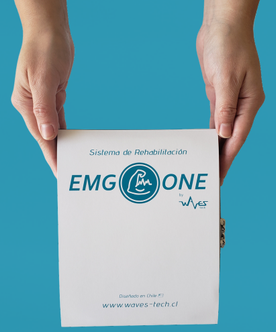

EMG ONE KIT

EMG ONE KIT

- Portable EMG device
- Electrode cable (custom designed)
- Patch electrode adaptors
- Reusable 4x4 cm electrodes (kit of 4)
- Micro USB cable (recharge)
- Smartphone stand
- Protection and transport foam case
- Does not include AC adapter

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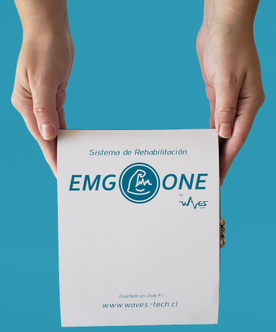
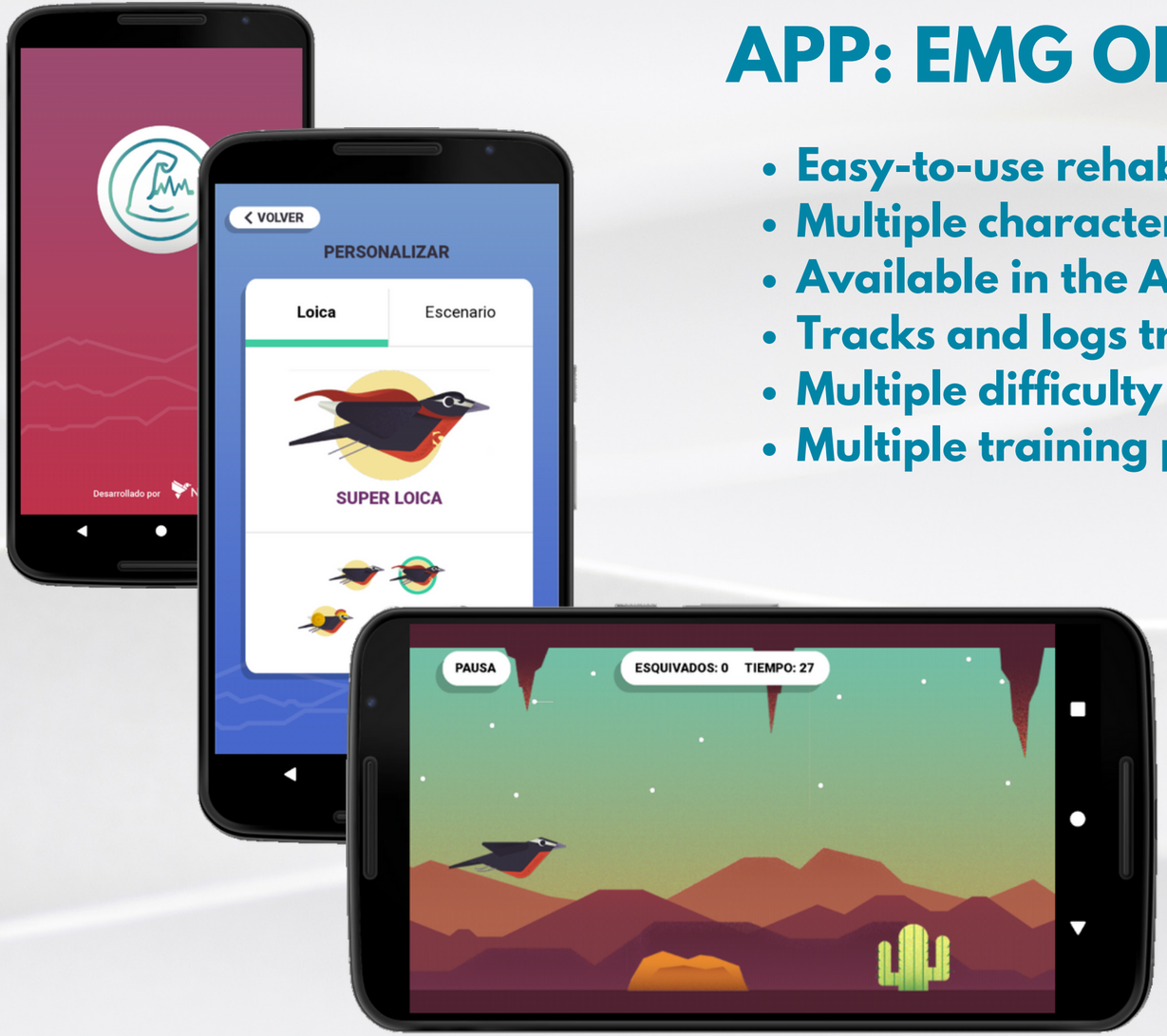


APP:
EMG ONE LOICA

APP: EMG ONE LOICA

- Easy-to-use rehabilitation game
- Multiple characters and scenes
- Available in the Android Play Store
- Tracks and logs training data to the server
- Multiple difficulty levels
- Multiple training paradigms



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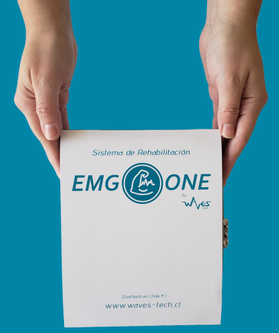
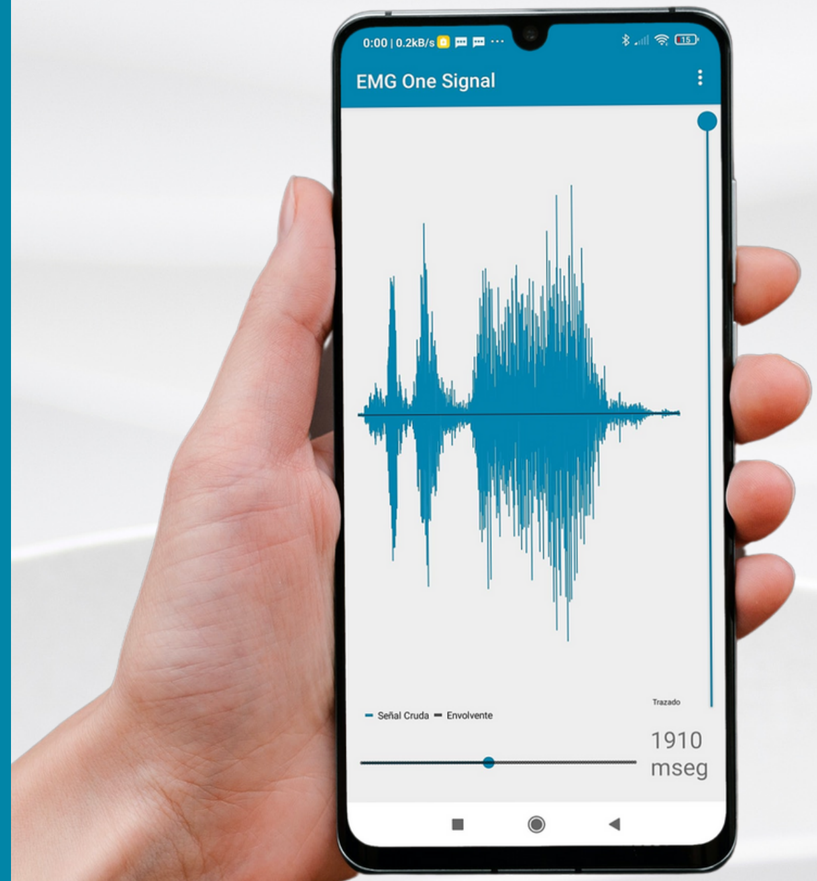


APP:
EMG ONE SIGNAL



APP: EMG ONE SIGNAL

- Visualize the EMG signal in real time
- Generates audio output of the EMG signal
- Obtain absolute value, end signal envelope
- Calculates contraction duration
- Save data for analysis
- Visualize signal spectrum (Fourier transform)

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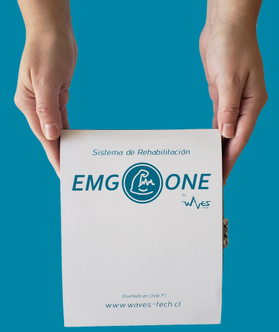

DATA SERVER:
WWW. EMGONE.CL

EMG ONE SERVER

- Keps track of user's training sessions
- Graphics of improvement
- Download training sessions info
- A single therapist can check several users' attainment
- Permissions, privacy and security of data

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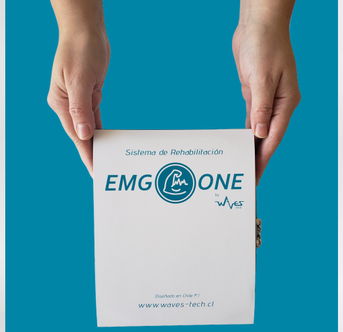

USES

- Stroke rehabilitation
- Biofeedback for general rehabilitation
- Pelvic floor rehabilitation
- EMG guide for botulinum toxin injection

SYSTEM REQUIREMENTS

- Android 5.0 mobile device
- 3.5 mm audio jack with microphone input

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