

## Technical data

Housing	Plastic
Dimensions	110 mm x 66 mm x 11 mm
Controls	3 LED
Minimum frequency	1Hz
Frequency stability	30 ppm
Power supply	Plug-in: Input 100–240 VAC, 50–60 Hz, Output 5VDC, 500mA
Signal form of output	Square wave, permanent positive (DC-OFFSET), Amplitude 0 to 12Vpp.
Output range	1Hz to 100 kHz 100 kHz to 700 kHz at lower amplitude

Changes to improve or simplify the product will be made without prior notice

### Declaration of Conformity

Herewith we declare:

TB-ELECTRONICS GmbH  
Bahnhofstrasse 3  
CH-9443 Widnau  
in sole responsibility

that the following product with the marking

F-SCAN *MinDevice* Frequency Synthesizer

to which this declaration relates, is in conformity with the following standard:

<sup>4</sup>  
EMC: 89/336, 92/31, 93/68

Harmonized standards: EN 61326-1

Ratings 5VDC, 300mA



Legally binding signature

Widnau, 06 -15 - 2010

# Frequency Synthesizer F-SCAN *MinDevice*

(Firmware Version FSS V1.00)

## INSTRUCTION MANUAL

“CONSULT ACCOMPANYING DOCUMENTS”



### Preface

One of our prime objectives as a Swiss company is the development and manufacturing of precise and reliable products for physical therapy based on years of experience. Some of our products are well known and utilized internationally. As a small company we can afford to keep in touch with our customers who often contribute to new developments.  
May your work with the F-SCAN *MinDevice* be beneficial.

### Introduction

The FREQUENCY SYNTHESIZER **F-SCAN *MinDevice*** provides a preset number of frequencies sequentially. These stimulate selectively the cell activity of an organism.

ATTENTION: The F-SCAN *MinDevice* IS NOT A MEDICAL DEVICE. It is designed to support and optimize WELLNESS.

### Shipping list

- F-SCAN *MinDevice*
- Power supply (with USB-connector)
- Mini-USB cable
- Application cable
- Pad electrodes (set of 4)
- Instruction manual

### Basics

The F-SCAN *MinDevice* generates frequencies to be used as specified. The connection of cables or power supplies other than the ones delivered with the unit could cause damage or malfunction and is therefore prohibited. The warranty would be revoked.

The application can be pre-selected with 3 levels of intensity. Level 2 is commonly used once a day – preferably in the morning. Level 3 can be used if the signal appears to be too weak. Alternatively the device could be used three times a day at level 2 prior to meals.

The stimulation causes occasionally the reaction of a tooth nerve, or flu symptoms. To counter these, level 1 could be tried once a day, or even every other day.

**WARNING:** *User with Pacemaker, pregnant women and electro-sensitive persons, should consult a medical professional prior to connecting to the F-SCAN *MinDevice*.*

## Operation

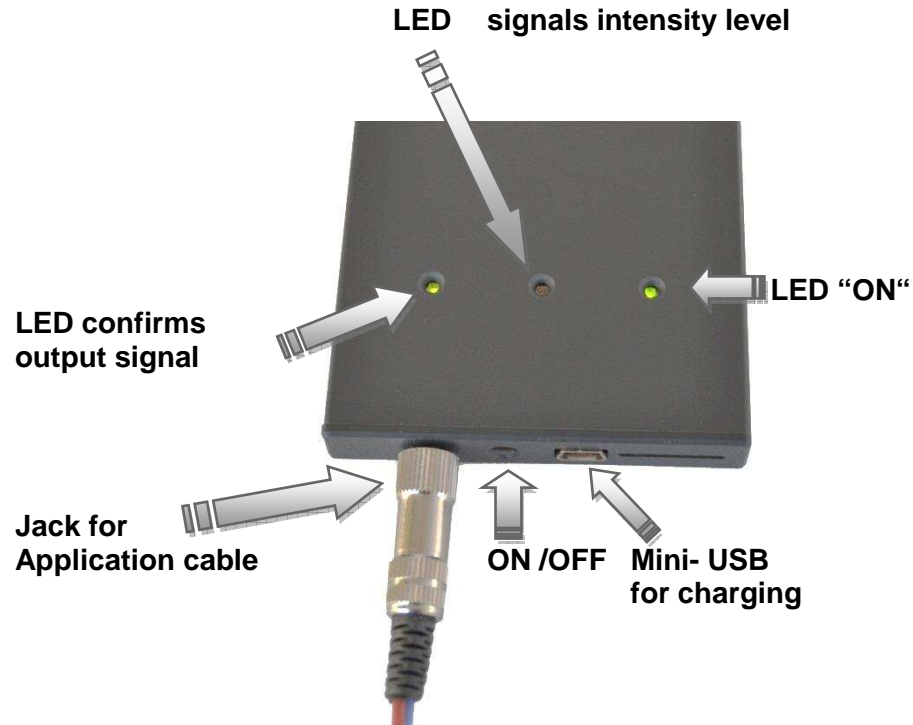
The battery must be charged.

1. Insert the 3.5mm plug of the application cable completely (see picture below)
2. Connect the pad electrodes to the application cable
3. Position pad electrodes on clean and undamaged skin
4. Switch device **ON**

LED "ON" lights up and the application program starts automatically

## Select intensity

The application starts with **intensity level 1** as factory default. The LED in the center flashes once at intervals. Press the ON / OFF-switch briefly to increase the output to **intensity level 2**. The LED in the center flashes twice at intervals. Press the ON / OFF-switch briefly again to increase the output to **intensity level 3**. The LED in the center flashes three times at intervals.



## Miscellaneous

The battery needs to be charged if the device does not switch "ON". Connect the mini-USB cable to the device and connect the other end to the USB power supply. The latter plugs into any wall outlet. A full charge takes 4 to 5 hours.

The device can be switched "ON" during the charge. The LED "ON" flashes until the battery is fully charged, then turns constantly bright.

IF THE LED ON THE LEFT SIDE DOES NEITHER FLASH, NOR TURN BRIGHT DURING AN APPLICATION:

- THE BATTERY COULD NEED A CHARGE, OR
- THE APPLICATION CABLE COULD BE SHORTED OUT, OR
- THE DEVICE COULD NEED REPAIR.

The device turns "OFF" automatically after an application, but can be switched "OFF" manually if the button is pressed a few seconds.

## Use of pad electrodes:

Attach the pad electrodes to the 2mm pin connectors of the application cable first, then place the electrodes on the body.

