

ELITE
CHANGE YOUR RIDE

REALAXIOM B+

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REALAXIOM B+ is a latest generation wireless electronic hometrainer that uses a double communication protocol system (ANT+™ FE-C and Bluetooth Smart) to easily connect with iOS or Android smartphones and tablets via the Elite My E-Training app that professionally manages indoor training sessions.

It also features Real software for PC Windows that is as easy to use and exhaustive as the My E-Training app. These two options offer video simulations of RealVideo (pro races designed by Elite), My RealVideo (courses created by the user community), training programs, free training, Google Maps courses, the saving and analysis of training data, data export in many formats / providers and many other options.

Additionally, third party software, such as Zwift, Kinomap, TrainerRoad, etc., easily connects to the REALAXIOM B+ for a wider range of indoor training customization.

FEATURES

All cyclists, from amateur to pro, can benefit from using the REALAXIOM B+, whose features make it an interactive training tool of the latest design:

- wireless communication: double ANT+™ FE-C and Bluetooth Smart protocols manage the hometrainer, and are very and stable safe from

interference;

- high power output: the hometrainer generates power that can simulate slopes up to 8-10% (for instance, 800 Watts at 35 km/h);
- oversized flywheel: smooth pedalling under any circumstance and a faithful reproduction of outdoor training sessions;
- wider Elastogel roller (an exclusive, Elite-developed material): increases hometrainer/ tire contact area, reduces tire wear and increases quietness;
- new frame design: simpler to set up thanks to the "Fast Fixing" locking system and the "Automatic Tension Plate" that adjusts the contact pressure between wheel and roller;
- Elite My E-Training app: manage, analyze and display power, speed, cadence, heart rate, time and distance data for professional interactive training;
- ANT+™ FE-C compatibility: adds access to several additional training programs.

HARDWARE FEATURES

RESISTANCE UNIT

The electronically managed magnetic resistance unit produces an extensive range of power output, for instance at 40 Km/h it varies from 200 Watts to 1060 Watts.

Slopes of up to 8-10% can be simulated; the system guarantees about 800 Watts at

35 Km/h.

REALAXIOM B+ has the highest wattage accuracy than any other trainer*, thanks to an initial calibration process and the accurate movement system of the resistance.

This calibration of every single unit, conducted on a control desk fitted with a professional ergometer, calculates and records internally each item's performance – by this means, any Elite or third party app or software can correctly manage the resistance and power of your training session.

The red Elastogel roller (the hometrainer/tire contact point) features an Elite-developed polyurethane mix, tested by Uni Padova labs, that reduces tire noise by 50% and roller wear by 20%.

The larger than usual 40 mm diameter roller allows for:

- increased tire/roller contact area means less slippage and more efficient power transfer between wheel and roller;
- lower roller rpm delivering the same speed reduces resistance unit strain.

*in the range of the products that use algorithms to calculate the power values.

WIRELESS DATA TRANSMISSION AND RESISTANCE ADJUSTMENT

The REALAXIOM B+ hometrainer sends data by

the following ANT+™ profiles:

- ANT+™ FE-C (Fitness Equipment Control)
- ANT+™ Power
- ANT+™ Speed&Cadence

Moreover, the REALAXIOM B+ sends data by the following Bluetooth Smart profiles:

- Speed&Cadence
- Power

Having multiple profiles allows the REALAXIOM B+ to display data on many different devices such as smartphones, tablets, computers, cycle computers and GPS devices .

Note: The aforementioned protocols transmit data from the hometrainer, however not all of them allow for total interaction.

Please check REALAXIOM B+ compatibility with the provider of the software/app/device.

TOTAL INTERACTION WITH APP, SOFTWARE, COMPUTER, SMARTPHONES AND TABLETS

The ANT+™ FE-C and Bluetooth Smart protocols easily and quickly connect the REALAXIOM B+ to a compatible computer, smartphone or tablet that can manage resistance levels and display and adjust a wide range of training parameters. The hometrainer is managed via the Elite My E-Training app for smartphones and tablets (both iOS and Android). The ANT+™ FE-C data transmission allows for third party software such as Zwift, Kinomap, TrainerRoad, etc., to easily connect and be used with the REALAXIOM B+. A range of training parameters can then be adjusted to create an individual indoor training experience. The latest cycle computers with the ANT+™ FE-C protocol, such as the Garmin Edge 520 or 1000, can also be used to manage the hometrainer.

MULTI-CHANNEL DATA TRANSMISSION

The REALAXIOM B+, in addition to managing the hometrainer via the ANT+™ FE-C and Bluetooth Smart protocols, transmits speed and cadence data via the ANT+™

Speed&Cadence protocol and power data via the ANT+™ Power protocol and Bluetooth Smart.

For instance, you can display and save your indoor training data on cycle computers that feature the ANT+™

Speed&Cadence protocol and ANT+™ Power protocol.

SENSORLESS PEDALLING CADENCE

Cadence is transmitted by a worry-free and sensorless method that uses an algorithm based on the resistance unit's roller rotation speed.

FRAME

The reinforced frame of 50mm tubular steel and the wide surface make the bike+hometrainer combination very stable and secure under any riding situation, such as steep slopes or intense sprints.

The frame is compatible with road and mountain bicycles with 24" to 29" wheels.

The "Fast Fixing" bicycle locking system makes installing the bicycle:

- safer: the lever locks automatically, no other operations are needed;
- easier: just pull down the lever to totally lock the bike on the support frame;
- faster: just one hand to lock/unlock the bicycle.

The "Automatic Tension Plate" adjusting system regulates the contact pressure between the resistance unit roller and the tire, always ensuring the ideal pressure, thereby eliminating slippage and reducing tire wear. Operation is very easy, quick and intuitive. The result is the proper pressure for every training session.

MY E-TRAINING APP

The free 12-month subscription to the My E-Training app provides an interactive and stimulating indoor training experience for iOS and Android smartphones and tablets that can wirelessly connect to the hometrainer via ANT+™ or Bluetooth Smart, based on the features of the available devices.

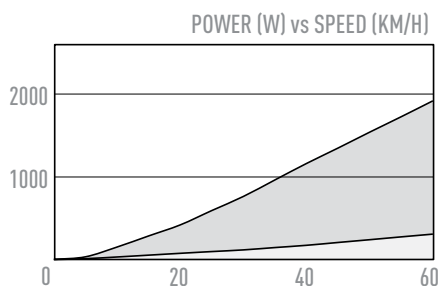
For instance, an iOS device connects very easily via Bluetooth Smart, while an Android device allows a choice of modes based on the specific model being used.

The My E-Training app displays and manages power, cadence, heart rate, speed, time and

distance data.

OPTIONS

- REALVIDEO
train on Elite RealVideos and download hundreds of user-created My RealVideos;
- TRAINING
constant power, graded level or training programs;
- TRAINING TEST
generates a month of personalized indoor training sessions after an evaluation test;
- MAP RACES
use Google Maps to create courses from anywhere in the world;
- MULTI-ACCESS
the app can be used by multiple users on the same device;
- EASIER TRAINING PROGRAMS CREATION
graphic editor to easily create new programs;
- EXPORT DATA
export training data on Strava, Training Peaks and MapMyRide;
- RECORD GPS
record the GPS route of outdoor training and turn it into an indoor training course;
- IMPORT GPS DATA
easy to import data from GPS cycle computers;
- MATCH
you can train on a virtual course and challenge other users;
- IN-CLOUD DATA
saves training data in the cloud so it's available for multiple devices;
- VIDEO PLAYLIST
creates a playlist for your training session with videos on the device;
- SHARE RESULTS
tutti i dati degli allenamenti possono essere salvati, esportati e condivisi sui social per monitorare le proprie performance nel tempo.



FEATURES

HOME TRAINER TYPE	Interactive direct transmission with electronically managed magnetic brake
WIRELESS COMMUNICATION	ANT+™ (FE-C, Power, Speed&Cadence) and Bluetooth (FTMS, Power and Speed&Cadence)
MAX SLOPE SIMULATED	10%
MAX POWER	1150 W (40 km/h) - 1600 W (60 km/h)
CONTROL VIA	Smartphone, tablet, bike computer, sports watches, Windows and Mac. Computer ANT+™ and/or Bluetooth
COMPATIBLE WITH	My E-Training software & app Zwift, Trainer Road, Bikevo, Kinomap, The Sufferfest and more
OUTPUT	Power, speed and cadence (heart rate if connected to a heart rate monitor, not included)
FLYWHEEL	2,3 kg
BIKE COMPATIBILITY	Race bike, Mountain bike and city bike, also carbon ones, with 130x135 x 5mm hubs and with quick clamping system and 142x12 mm with thru-axle (ad adapter is available for Boost 148x12 mm rear hubs)
CONNECTION INDICATOR	Power source, ANT+ and Bluetooth (3 LED lights)
FIRMWARE UPDATE AVAILABLE	Yes
INCLUDES	12-month free subscription to My E-Training software & app

SPECIFICATIONS

ELECTRICAL REQUIREMENTS	Input 100-240 volts 50-60 hz 6A - output 12 volts 1,5A
SPACE OCCUPIED WHEN UNFOLDED (LXP)	860 x 700 mm
HEIGHT	400 mm
WEIGHT	10,8kg