

IWEECH

DESIGNED FOR REAL LIFE

THE SMARTBIKE



"Simplicity is the ultimate sophistication"

Leonardo da Vinci

PEDAL, IWEECH TAKE CARE OF THE REST

No need for a key to start it, nor a button or screen to control it, thanks to the use of artificial intelligence, **all IWEECH bikes are 100% automatic.**

From the very first pedal stroke, the intuitive assist controlled by the **SMART CONTROL** delivers just the right level of power to always be in the user's comfort zone.

In smart mode, iweech guarantees you'll always have **enough battery to reach your destination.**



REALLY SMART, REALLY SAFE, REALLY SIMPLE

WE'VE REINVENTED THE ELECTRIC BIKE
TO MAKE EVERY TRIP AROUND TOWN A PLEASURE.



"Riding in the city requires concentration at all times and to help this, regardless of the cyclist's level, we have therefore created a design IWEECH that aims to free the user from all constraints.

Therefore, all the built-in intelligence IWEECH has only one goal: To simplify its use to bring maximum enjoyment and safety to our customers."

Christophe SAUVAN
President of Bellatrix - IWEECH



AGILE AND MANIABLE, IWEECH PROPOSES A UNIQUE DESIGN, CONCEIVED FOR THE CITY

The IWEECH design is **simple and uncluttered**, it is suitable for both men and women.










Inspired by BMX from which it takes the best: **the bike is light and compact.** It offers taut lines, its goal is **manageability.**



IWEECH AVAILABLE IN TWO VERSIONS

1



-  Lightweight
-  90 NM Powerful engine
-  Rotating stem
-  Hydraulic disc brakes
-  Automatic lights
-  Belt
-  Electronic GPS anti-theft device
-  Removable battery
-  Smart Control Smart and 100% automatic assistance

2




CONTINUOUSLY VARIABLE AUTOMATIC TRANSMISSION CONTROLLED BY THE SMART CONTROL SYSTEM
IWEECH

> IWEECH 24'S

AN URBAN SOLUTION, THE 24'S TICKS ALL THE BOXES FOR CITY USE... SECURITY, MANIABLE, RESPONSIVE, COMFORT AND ANTI-THEFT

IWEECH 24'S is lightweight, its total weight (including battery) of 18.5kg, among the lightest on the market, makes it easy to carry around, which is often necessary in the city

IWEECH 24'S is powerful with its central engine, the torque of which reaches the highest levels on the market at 90NM, it makes frequent starting and acceleration efficient. Its one-click rotating stem (exclusive IWEECH) and retractable pedals save 50% of space for storage.

Powerful automatic lights and two hydraulic disc brakes ensure a high level of active safety. A carbon belt replaces the usual bike chain, it is clean and maintenance-free.

Its four-level electronic anti-theft system effectively combats the risk of theft (blocking vital functions, built-in alarm, mobile alert, GPS tracking)

A powerful 500WH removable battery completes the device.

> IWEECH 24'S+

DESIGNED FOR DEMANDING JOURNEYS IN THE CITY AND IN THE COUNTRY. KILOMETRES AND STEEP SLOPES DO NOT SCARE IT.

IWEECH 24'S+ has the same characteristics as the 24'S, but it opens up what you can do whilst on your ride.

Thanks to its automatic gearbox coupled with the same powerful engine, nothing can stop you. And once you get to the top of the most difficult side of your neighbourhood, you can maintain recovery on the descent, even at high speeds. On the flat, you can reach 35km/h pedalling.

Thanks to our patented technologies, the pedalling experience is exceptional and unique in the world.

Shifting gears is not up to the rider, it is the SMART CONTROL system that manages it every 100 milliseconds.

The IWEECH promise stands: you don't have to do anything but pedal.

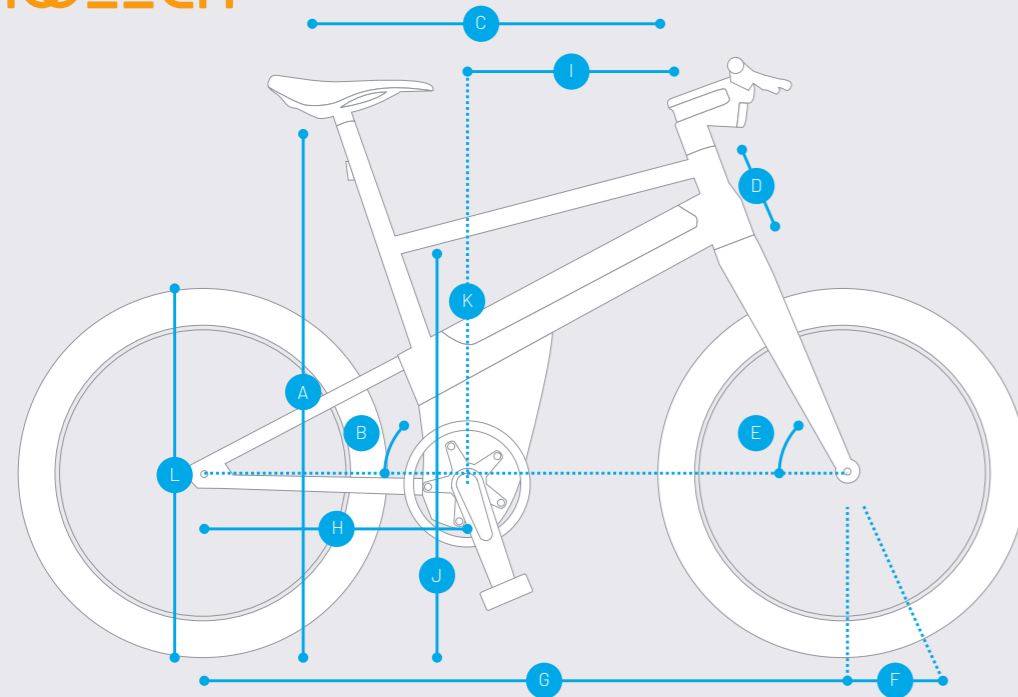
IWEETCH IS 100% SMART

EVERYTHING IWEETCH IS AVAILABLE ON YOUR MOBILE FOR AN ENRICHED EXPERIENCE WITH:

- > Access to the "smart gauge", an unprecedented and precise approach to the range available in real time
- > **User dashboards**
- > Management of the **anti-theft system** and access to **GPS tracking** of the bike



GEOMETRY IWEETCH



- A 869 - 1010 mm
- B 71 mm
- C 570 mm
- D 160 mm
- E 70 °
- F 69 mm
- G 1046 mm
- H 438 mm
- I 378 mm
- J 693 mm
- K 559 mm
- L 607 mm

ELECTRONICS

- SMART CONTROL** Smart system for active assistance control and energy use. World exclusive IWEETCH. In addition, active control of the automatic transmission in the case of the 24"S+.
- SMART BUTTON** The exclusive smart button IWEETCH allows you to manage everything from one point and with one click.
- CONNECTIVITY** IWEETCH embeds several technologies for you to use: low power Bluetooth (BTLE), GSM 4G, NFC, WIFI, GPS. System updates are done wirelessly and automatically via Wi-Fi. The user is automatically recognised.
- ANTI-THEFT** Automatic motion detector connected to a high-intensity alarm and notification of theft to the mobile, with the shutdown of the bike's vital functions (engine and battery). At the same time, real-time GPS tracking of the stolen bike.
- MOBILE APP** IWEETCH Available on iOS and Android. Smart gauge, user management, anti-theft tracking and Smart Control initialisation.

TECHNICAL CHARACTERISTICS

BIKE

- COLOURS** Painted: matte black, pearl white, Silver Dream grey
Anodised: Storm grey (24"S only)
- POSITION** Urban, mid-span frame optimised for male and female cyclists
- SIZE** One size fits all, for an ideal user height of 1.60 m to 1.90 m
- WEIGHT** 24"S: 18.5kg in total - 24"S+: 20.8 kg in total
- BATTERY LIFE** 70 km min at full power, up to 190 km in iRide mode
- SPEED** 24"S: SMART CONTROL single-speed
24"S+: automatic gearbox with variation controlled by SMART CONTROL
- WARRANTY** 5 years for the frame and fork, 2 years for all other parts according to general terms and conditions of sale in force

COMPONENTS

- SPEED BOX** (24"S+ only) ENVIOLLO HEAVY DUTY AUTOMATIq, infinitely variable drive controlled by Smart Control IWEETCH
- FRAME** IWEETCH custom high density aluminum
- FORK** IWEETCH custom carbon
- MOTOR** Brose, central position, torque 90NM, 250W, 25 km/h
- TRANSMISSION** Gates CDX [®]carbon belt
- HANDLEBARS** Aluminum, flat, short wheelbase (54 cm), curved version on request
- HANDLES** Ergonomic Ergon grip racing GS1[®] or equivalent
- STEM** IWEETCH custom rotary "one click" (exclusive system)
- BATTERY** Lithium ion, extractable BMZ[®] URV7 36V 497Wh 13.8 Ah full charge 3.5 hours, 60% charge 1.5 hours
- CHARGER** 36V 5A
- RIMS** 24-inch black aluminum
- TYRES** Schwalbe Big Apple perf. Race guard "balloons"[®] type with reflective strips. 50-507 or equivalent
- BRAKES** Hydraulic discs front and rear Tektro[®] HDT275 or equivalent
- CRANKS** Miranda[®] black aluminum
- PEDALS** Foldable
- LIGHTS** Supernova[®] front and rear LED (205 Lumen) and custom automatic ignition IWEETCH
- SADDLE** IWEETCH shape memory gel
- SADDLE POST** IWEETCH custom aluminum with integrated back light
- MUDGUARD** IWEETCH black aluminum (included)

ACCESSORIES

BIKES IWEECH COME WITH A KICKSTAND, AN ELECTRONIC LOCK AND A PAIR OF MUDGUARDS AS STANDARD.

> PRODUCT #1 FRONT BASKET

Securely attached to the bike's fork, the front basket has a bamboo bottom and a metal frame to carry your groceries or your bag. An elasticated strap attached to the metal bars keeps it secure.



> PRODUCT #2 ABUS HIGH SECURITY FOLDING LOCK

Resists even massive attacks: the BORDO GRANIT XPlus™ 6500 folding lock is the highest-quality lock. Specially hardened 5.5 mm-thick steel joints, connected to each other by special rivets, protect against massive attacks, theft attempts using a saw and resist lock-picking. With this combination, the BORDO GRANIT XPlus™ 6 500 folding lock scores 15 in the ABUS security level system, which is the highest security level. Bulk-free: the anti-theft device fits seamlessly on the bike thanks to our dedicated attachment system under the frame.



DEPENDING ON HOW YOU USE IT, WE OFFER A RANGE OF ADDITIONAL ACCESSORIES.

> PRODUCT #3 BATTERY IWEECH

Make your life easier with an extra IWEECH battery to keep at home or in the office. Specific to IWEECH bikes, it was developed in partnership with the German manufacturer BMZ. Compatible with all our bikes: IWEECH 24"S and S+. Full charge in 3.5 hours, 60% in 1.5 hours.



> PRODUCT #4 CHARGER IWEECH

Make your life easier with an additional charger IWEECH, so you'll never run out of battery power and can charge your battery at the office or elsewhere.



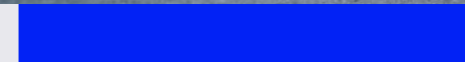
OUR WORKSHOPS



IWEECH IS A EUROPEAN COMPANY,
BASED IN MARSEILLE, FRANCE

Our bicycles are designed and produced entirely in France in our workshop in Marseille, for total control of the manufacturing process, which guarantees a high level of quality. We are committed to keeping cycle assembly in Europe and are campaigning to retain European know-how.

Tested for over 8 months by 80 beta testers in 2019 before its release in March 2020, your **IWEECH 24" S** is trustworthy and will not disappoint. Our **IWEECH 24" S+** version was designed on the basis of the **IWEECH 24" S** and required 1 year of research & development by our team to deliver a hyper-accomplished product.



IWEECH

ABOUT BELLATRIX - IWEECH

Founded by Pascal LAFOURCADE and Christophe SAUVAN, Bellatrix's mission is to produce smart solutions that promote "a new art of getting around the city without a car" and make every city commute a pleasure.

We produce smartbikes IWEECH that use artificial intelligence to achieve these goals and in particular provide maximum user comfort while controlling energy use, so that the user has enough battery power to always reach their destination.

The design and all the software are produced in France, the bikes are assembled in our workshops in Marseille.

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CONTACTS

For the media
and general questions
contact@iweech.com

For trade shows
or distributors
ventes@iweech.com

