

About Magene

Magene started its B2B division to bridge the gap between advanced R&D and industrial application. We empower brands and manufacturers in cycling and mobility industry with scalable, intelligent solutions.

Our expertise spans a comprehensive portfolio—from power meters, heart rate monitors, smart bike lights, and electronic shifting systems, to complete eBike solutions including controllers, torque sensors, displays, radar sensors, electronic shifting, and software applications.

We have partnered with dozens of industry-leading brands—including Decathlon, Van Rysel, OFIITO, Pardus and CAMP—delivering OBM&ODM services at scale.

For more information, please contact sales-bd@magene.com.



2026 Products Collection

Powering the Future of Cycling

2026



Products for OBM&ODM

**Electronic Shifting System for
Road Bikes**

**Electronic Shifting System for
Flat Handbar Bikes**

**Electronic Shifting System for
Flat-bar Folding Bikes**

Power Meters

QED

Road Bike Electronic Shifting System

10-12 speed compatible

Front derailleur
300ms

Rear derailleur
90ms

Carbon fiber composite material

Battery life
2500km

Shifter
18 months

2.4G / BLE / ANT+ connectivity



Custom buttons
multi-scenario setup

DB/RB convertible
smart ecosystem linkage

PES

Road Bike Electronic Shifting System

10-12 speed compatible

Glass fiber reinforced plastic

Cost-effective core groupset

Stable performance &
easy adaptation



PES Electronic Shifting System **QED Electronic Shifting System**

Weight (DB Core Groupset)	1250g	1150g
Material	Glass Fiber Reinforced Plastic	Carbon Fiber Injection Molding
Front Derailleur Response	300ms	300ms
Rear Derailleur Response	100ms	90ms
Front Derailleur Compatible Teeth Range	50-54T	50-54T
Rear Derailleur Compatible Teeth Range	34T	34T
Battery Life	2500km	2500km
Speed Range	10-12s	10-12s
Communication	2.4g/BLE/ANT+	2.4g/BLE/ANT+
Shifter Battery Life	18 Months	18 Months
Front & Rear Derailleur Battery Life	2500km	2500km
Seatpost Battery	7.4V 800mAh	7.4V 800mAh
Charging Time (0-100%)	3h	3h
DB/RB Conversion	√	√
Synchronized Shift	√	√
Customized Buttons	X,Y,Z	X,Y,Z
Multi-scenario Setup	√	√
Smart Connected Ecosystem	√	√



Electronic Shifting System for Flat Handbar Bikes

10-12
speed compatible

1x system

Weight (whole set)
386g

2500km
Riding on a full charge

Rear Derailleur Response
in 0.1s

Teeth Range up to
46T

Support 10-12s

2.4G private protocol

Compatible with city bikes,
folding bikes, flat-bar road
bikes, etc

Weight (Whole Set)	390g
Number of Buttons	3
Rear Derailleur Response	0.1s
Speed Range	10-12s
Compatible Teeth Range	Up to 46T
Battery Life	2500km
Communication	2.4g
Compatible models	flat-bar folding bikes, flat-bar road bikes



KEES

Electronic Shifting System for Flat-bar Folding Bikes

Fully wireless design eliminates wiring work for easier installation

2.4G proprietary protocol

Built-in high-capacity battery, rear derailleur cruising range up to 1500km

Effortless gear shifting, easier operation and simpler user logic

Pair with App for more efficient product setup

Order-to-Delivery fulfillment in 1-2 months

One-to-One fitting for complete bicycles

Compatible models: Flat-bar folding bikes with wheel size 349 and above



Compatible Models	Flat-bar folding bikes	
Speed	10-12	
Compatible Wheel Size	349 and above	/
Weight	270g for Rear Derailleur	50g for Shifter
Compatible Cassette	28-32T	/
Compatible Derailleur Hanger	Standard / UDH Derailleur Hanger	/
Charging Method	Magnetic charging, built-in battery (400mAh capacity)	CR2032 battery, detachable and replaceable
Functions	Gear shifting, continuous shifting; Battery level display; Pairing, upgrade, debugging	Gear shifting, continuous shifting, smart connectivity button control; Battery level display; Pairing, upgrade, debugging (Smart connectivity function to launch in Q2)
Waterproof	IPX7	
Battery Life	1500km	18 Months
Communication Protocol	2.4G, Bluetooth, ANT+	

Compatibility List for Folding Bikes

Flat-bar Folding Bike		Compatible Wheel Size
Compatible Models	Without rear wheel folding pivot	349 (16-inch)
		406 (20-inch)
		451 (20-inch)
	Rear wheel folding pivot	349 (16-inch)

PES

P515 Power Meter

- Power, Cadence, Left-right Balance, Pedaling Smoothness

weight only **625g**

330h endurance

ANT+,Bluetooth

IPX7 waterproof



TEO

P515 Power Meter

- Power, Cadence, Left-Right Balance, Pedaling Smoothness

Ultra Light from **325g**

110 BCD 4-arm chainring compatible

+1% Power Accuracy

330h endurance

IPX7 waterproof



PES P515



TEO P515

Type	Road Bike	Road Bike
Power Accuracy	±1%	±1%
Bluetooth	√	√
ANT+	√	√
BCD	BCD110	BCD110
Length	165、167.5、170、172.5、175	160、165、167.5、170、172.5、175mm
Material	6061 aluminum alloy	Carbon
Weight	625g±5g (170mm)	325g±10g (170mm)
Chainline	44.25mm	44.25mm
Q-factor	147mm	148mm
Main Function	Power, Cadence, Left-Right Balance, Pedaling Smoothness, Automatic Calibration, Backpedal Calibration, Manual Calibration	Power, Cadence, Left-Right Balance, Pedaling Smoothness, Automatic Calibration, Backpedal Calibration, Manual Calibration
Bluetooth Function	1. device connection 2. battery 3. power 4. left-right balance 5. cadence 6. SN code 7. software activation	1. device connection 2. battery 3. power 4. left-right balance 5. cadence 6. SN code 7. software activation
ANT+ Function	1. device connection 2. battery 3. power 4. left-right balance 5. pedaling smoothness 6.cadence 7. ID	1. device connection 2. battery 3. power 4. left-right balance 5. pedaling smoothness 6.cadence 7. ID
Waterproof	IPX7	IPX7
Power Range	0-2500W	0-2500W
Cadence Range	20-240rpm	20-240rpm
Battery Life	330h	330h
Charging	Magnetic Charging	Magnetic Charging
Working Temperature	-20°C-50°C	-20°C-50°C
Compatible App	Zwift, Trainroad, Wahoo Fitness, Magene Utility	Zwift, Trainroad, Wahoo Fitness, Magene Utility
Compatible Bike Computer	Garmin, Magene, Wahoo, XOSS, igpsport, Blackbird, Bryton	Garmin, Magene, Wahoo, XOSS, igpsport, Blackbird, Bryton

Standard Products (Basic Specs)

Smart Bike Trainer

GPS Bike Computers

Bike Lights & Sensors



**T110****T200****T500****T600 Eco**

Maximum Gradient	6%		15%	20%	27%
Maximum Power	600w		1800W	2200w	2800w
Power Accuracy	±5%		±2.5%	±1%	±1%
Moment of Inertia	1.64kg·m²		2.62kg·m²	Dynamic inertia	Dynamic inertia
Output data	Power, speed		Power, speed, cadence	Power, speed, cadence	Power, speed, cadence
Race Mode	✕		✕	✕	√
Downhill Simulation	✕		✕	√	√
Self-power	✕		✕	√	√
Heart Rate Monitor Bridge	✕		✕	√	√
Transmission System	Electromagnetic direct drive,		belt transmission	Permanent magnet synchronous motor	Permanent magnet synchronous motor
Expanded Size	600*500*450mm		600*500*460mm	542*727*515mm	445*735*510mm
Folded Size	600*250*510mm		600*250*520mm	542*193*515mm	445*210*510mm
Weight	9.7kg		13.6kg	16.5kg	15.6kg
Lift Handle	✕		✕	√	√
Bluetooth	√		√	√ (can be connected by three Bluetooth devices)	√ (can be connected by three Bluetooth devices)
ANT+	✕		√	√	√
Wi-Fi	✕		✕	✕	√
Ethernet	✕		✕	✕	√
Indicator	√		√	√	√
Power Supply	100~240V, 12V, 3A power adapter		100~240V, 12V, 4A power adapter	100~240V, 48V, 1.35A power adapter	100~240V, 48V, 1.35A power adapter
Noise Level	56 dB(@1.5m&25km/h)				
Power Assist	Spindown	Spindown, temperature compensation		No Calibration Required	No Calibration Required
Wheel Compatibility	26"~29"MTB, 700cRD				
Suitable Cassettes	Shimano/Sram Sram XDR		8 ~ 11 speed cassette, Shimano 12 speed cassette, 12-speed cassette (XDR freehub sold separately)		
Frame Compatibility	130/135mm		quick release, 12*142mm/12*148mm thru-axle		
Complimentary Accessories	130/135 quick release adapter 12*142/148 thru-axle adapter quick release skewer quick release cap (Installed) HG thru-axle cap freehub body spacer disc brake pad spacer wrench	130/135 quick release adapter 12*142/148 thru-axle adapter quick release skewer quick release cap (Installed) HG thru-axle cap freehub body spacer disc brake pad spacer Bluetooth adapter wrench	130/135 quick release adapter 12*142/148 thru-axle adapter quick release skewer quick release cap (Installed) HG thru-axle cap freehub body spacer disc brake pad spacer front wheel riser 4mm bike trainer mat hex wrench*1 open-end wrench*1, cassette	130/135 quick release adapter 12*142/148 thru-axle adapter quick release skewer, Sticker quick release cap (Installed) HG thru-axle cap, cassette freehub body spacer disc brake pad spacer front wheel riser, Cable tie 4mm bike trainer mat hex wrench*1, Charging cable open-end wrench*1 Sports quick-dry towel Sports non-slip sweatband	



C606 Pro



C606



C506



C506SE

Screen Size	2.8"	2.8"	2.4"	2.4"
Screen	Color touchscreen	Color touchscreen	Color touchscreen	Color touchscreen
Weight	106g	105g	76g	74g
Product Size	97*57*17.6mm	97x57x17.6mm	78x48x17.6mm	78*48*17.6mm
Color	Black	Black	Black	Black
Button	3	3	3	3
Bike Memory	5	5	5	5
Battery Life	25h	17-28h	17-24h	17-24h
Charging Port	Type-C	Type-C	Type-C	Type-C
Data Types Displayed	108 data items in 14 categories	103 data items in 13 categories	105 data items in 14 categories	108 data items in 14 categories
Cycling Mode	12	12	12	12
Customized Pages	10	10	10	10
Data Items Displayed on Single Page	1~10	1~10	1~10	1~10
Data Display	Circular dials, line graphs, and numerical display	Circular dials, line graphs, and numerical display	Circular dials, line graphs, and numerical display	Circular dials, line graphs, and numerical display
Wireless Protocol	WiFi, ANT+, Bluetooth	WiFi, ANT+, Bluetooth	WiFi, ANT+, Bluetooth	WiFi, ANT+, Bluetooth
Navigation	Turn-by-turn map navigation	Turn-by-turn map navigation	Turn-by-turn map navigation	Tracking navigation
Lap Counting	√	√	√	√
Auto Backlight	√	√	√	√
Auto Time Calibration	√	√	√	√
Smart Notification	√	√	√	√
Cycling Training	√	√	√	√
Smart Riding Assistant	√	√	√	X
Ambient Light Sensor	√	√	√	√
Waterproof Grade	IPX7	IPX7	IPX7	IPX7
Working Temperature	-10°C-50°C	-10°C-50°C	-10°C-50°C	-10°C-50°C
Charging Temperature	0°C -45°C	0°C -45°C	0°C -45°C	0°C -45°C
Scalable Sensors	Cadence, speed, speed and cadence combined, heart rate monitor, power meter, smart bike trainer, electronic shifting system, radar tail light, smart headlight	Cadence, speed, speed and cadence combined, heart rate monitor, power meter, smart bike trainer, electronic shifting system, radar tail light	Cadence, speed, speed and cadence combined, heart rate monitor, power meter, smart bike trainer, electronic shifting system, radar tail light, smart headlight	Cadence, speed, speed and cadence combined, heart rate monitor, power meter, smart bike trainer, electronic shifting system, radar tail light, smart headlight
Satellite Positioning System	BeiDou, GPS, GLONASS, Galileo, QZSS	BeiDou, GPS, GLONASS, Galileo, QZSS	BeiDou, GPS, GLONASS, Galileo, QZSS	BeiDou, GPS, GLONASS, Galileo, QZSS
Language	EN, CN, KR, SP, DE, IT, FR, PT, JP, PO, RU	EN, CN, KR, SP, DE, IT, FR, PT, JP, PO, RU	EN, CN, KR, SP, DE, IT, FR, PT, JP, PO, RU	EN, CN, KR, SP, DE, IT, FR, PT, JP, PO, RU



L508



L308

Dimensions	38*94*25mm	Dimensions	35*35*26mm
Maximum Detection Distance	140m	Emoji Mode	Pattern, GIF, Scrolling Message Light Mode: Solid, Flash, Pulse
Horizontal Detection Angle	40°		
Vertical Detection Angle	-10°- +10°	Number of Emojis Can be Stored	15
Relative Speed of Detectable Targets	10-120km/h	Maximum Luminous	30 lm
Wireless Protocol	Bluetooth, ANT+™	Maximum Visual Distance at Night	800m
Modes	7 Light modes (solid, flashing, pulse, peloton, quickly flash, rotation and single radar mode)	Smart Brake Sensing	√
		Auto-sleep Auto-wake	√
Luminous Flux	6-40 lm (solid mode, quickly flash mode) 6-20 lm (flash mode, pulse mode, peloton mode, rotation mode)	Compatible Software	OnelapFit APP
Smart Brake Sensing	√	Waterproof Grade	IPX6
Auto-sleep Auto-wake	√	Product Name	L308
Viewing Angle	220°	Weight	23g (Only tail light)
Waterproof Grade	IPX7	Battery Life	5h-50h (Affected by custom settings, usage environment)
Compatible Bike Computers	Compatible with all cycling computers that support ANT+™ Radar		
Compatible Watches	Garmin 245, 645, 735, 745, 935, 945, D2, Fenix 5, 5s, 5x, 5Plus, 5xPlus, 6s, 6x, 6Pro, 6sPro, 6xPro		
Compatible APP	Magene Utility		
Battery Life	4-11h (solid mode), 10-16h (peloton mode), 15-18h (quickly flash mode), 11-13h (pulse mode, flash mode), 10-12h (rotation mode), 19h (only radar mode), 3 months (standby mode)*affected by environment and temperature		



H003



H803

Main Accessories	Integrated heart rate strap	Lycra fabric armband
Measurement Technology	Medical-grade electrode measurement	Dual-beam array optical measurement
Power Supply	CR2032 button battery	Rechargeable Li-battery (magnetic charging)
Battery Life	1000h	45h
Highlights	Self-developed accurate & stable heart rate algorithm	Dual-beam array optical sensor
	Bluetooth + ANT+ dual connectivity	High heart rate vibration alert
	Auto wake-up & sleep	Adjustable elastic Lycra armband
	1000h ultra-long battery life	45h battery life
	Supports multi-sports	Compatible with Magene Smart Ecosystem
	IP67 dustproof & waterproof	Bluetooth + ANT+ dual connectivity
		IP67 dustproof & waterproof