

VeloFox

To Be The Leading HMI Solution Provider

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MAKE E-BIKING SIMPLE,
SAFE,
AND VISIBLE

PRODUCTS CATALOG 2022



VeloFox

MAKE E-BIKING SIMPLE,

SAFE,

AND VISIBLE

MISSION

Promote eMobility industry
Provide Value-added Service To Pedelec & eBike Client.

VISION

To Be The Leading HMI Solution Provider

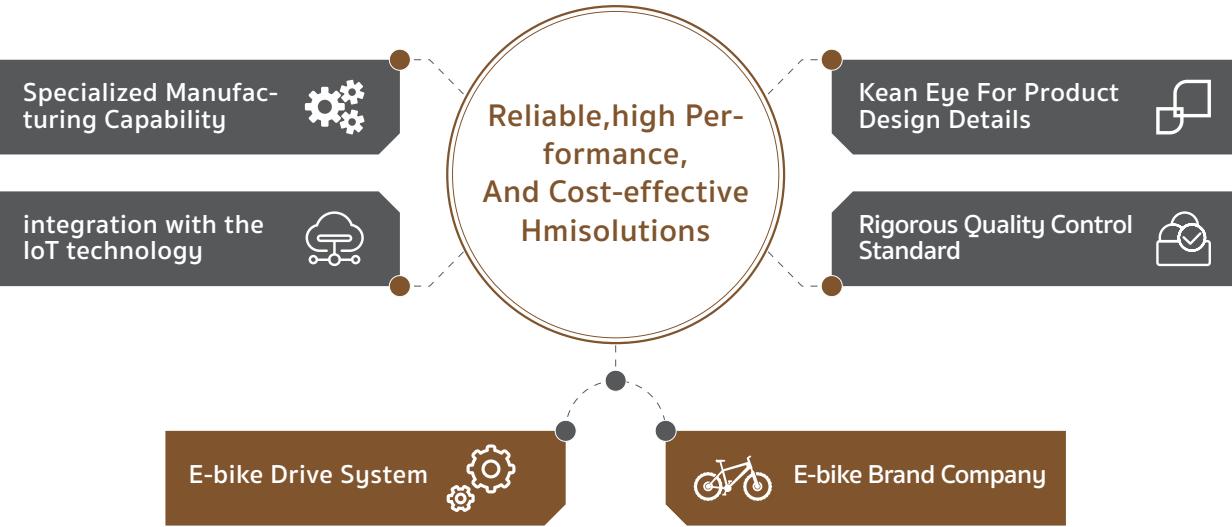


ABOUT US

Velofox is funded in 2020 to develop reliable, high performance, and cost-effective HMI solutions for pedelecs and eBikes. Our approach to Emobility HMI is driven by in-depth knowledge of industrial design, UI design, hardware design, software development and IOT applications. This knowledge is gained through our team members' decade industry experience with diverse projects in bike operation parts, E-scooter locks, E-bike HMI, remote, APPs and diagnostic tools.

MARKET POSITIONING

MORE THAN
STANDARD DISPLAY
FACOTRY



Design,Prototype, Manufacture,and Assembly

MANUFACTURING

We solidify the R&D platform, structure, workmanship and manufacturing process to achieve a more stable, reliable and speedy mass production of products.

Factory Conforms To ISO9001, TS 16949

APQP Management Process

Complete Functional Test Flow

None-dust Plant

Abundant Instruments And Toolings

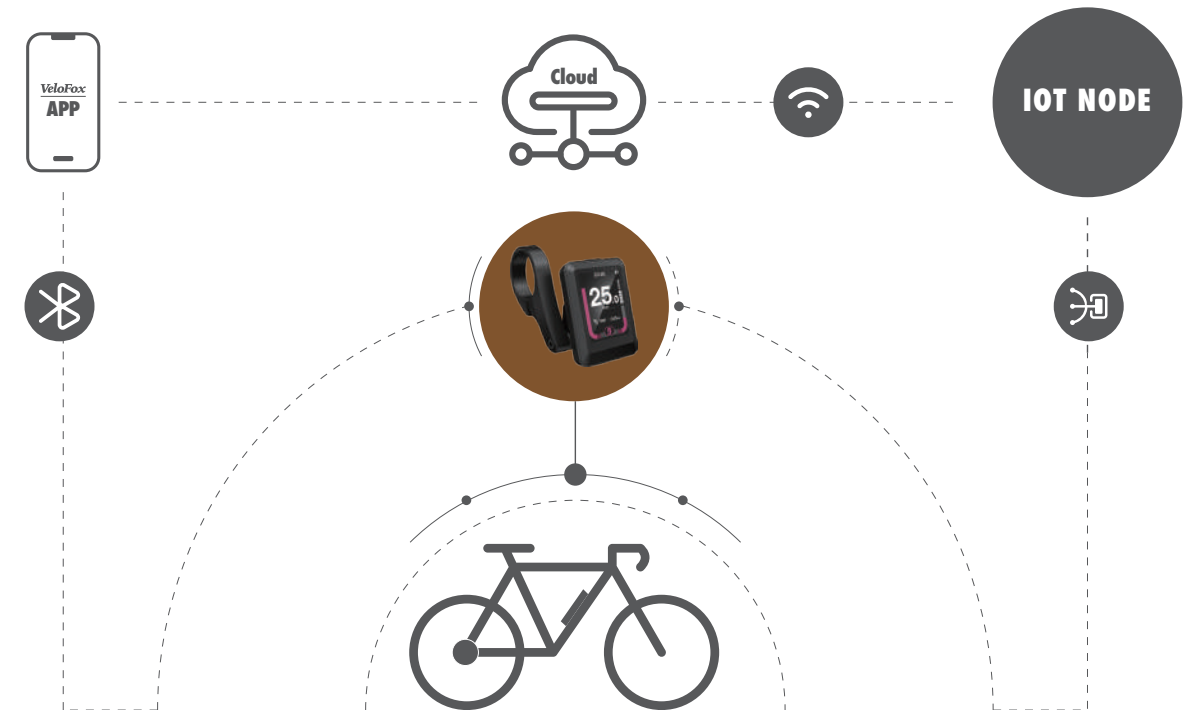
DIAGNOSTIC SUPPORT



At Velofox, we provide multiple ways to complete parameter settings, firmware upgrades, system diagnosis through our latest diagnostic tools and APP. Whether you are OEM factory, brand company or retailers, we can support your after-sale services :

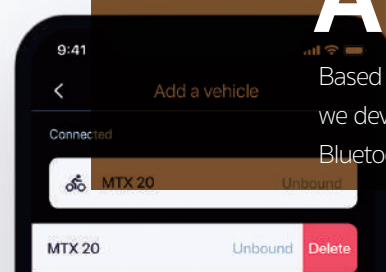
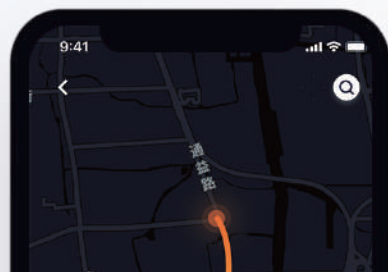
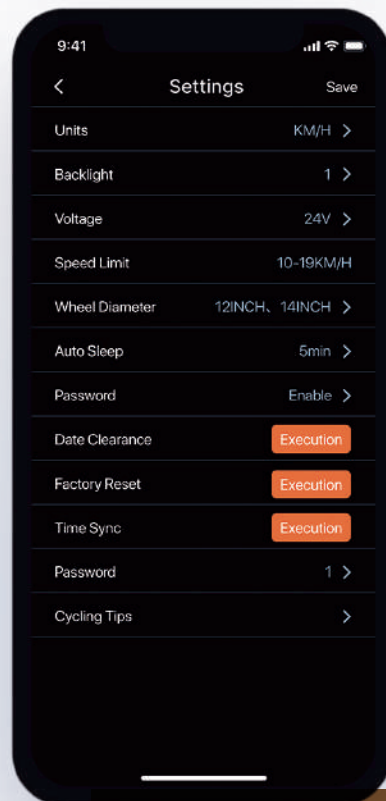
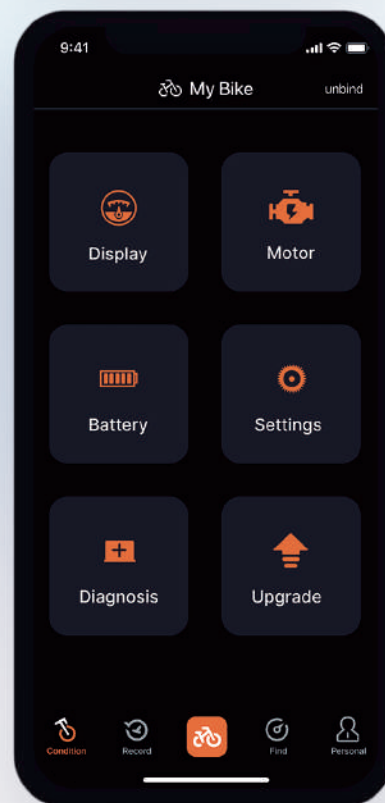
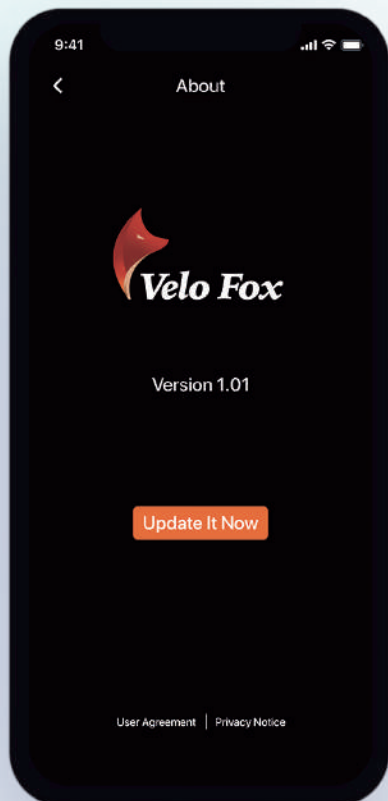
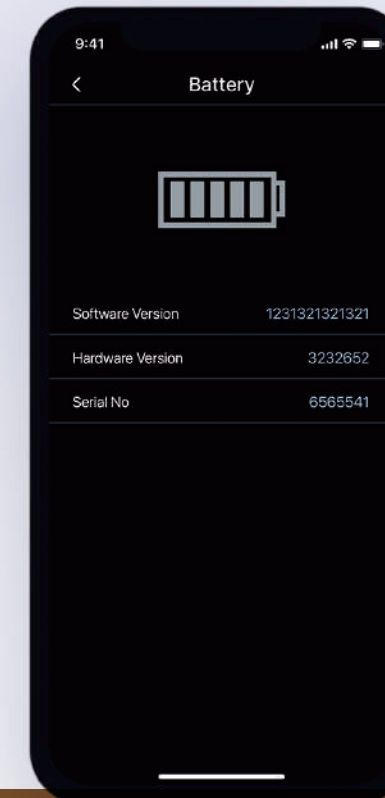
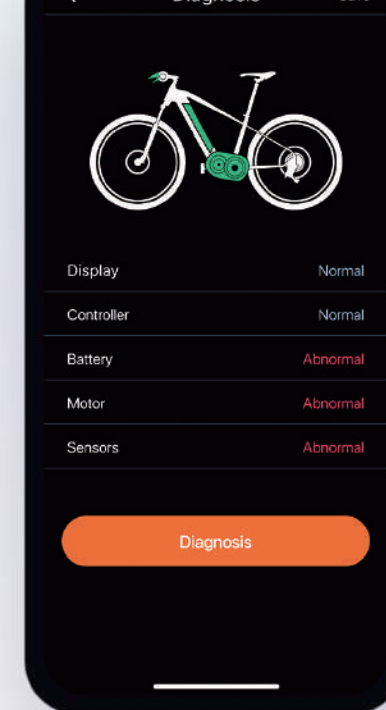
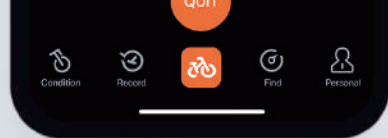
- Remote diagnostic check
- Prompt solution feedback
- OTA upgrade
- Core data for marketing

IOT AND CONNECTIVITY



We believe that IoT technology will be widely used in eMobility industry, and the electrical system of eBike can realize real-time human-machine communication interaction through IoT system. Therefore, all off our products we take wireless modules such as Bluetooth(ANT+) as default in our products, while retaining the option for IoT module.

We have also developed our own APP, which helps brand companys to establish and improve the after-sales service system.



VF-RIDE APP&Connectivity

Based on the HMI interaction requirements, we developed our own APP to support our customers to use our Bluetooth feature easily.



Download and enjoy here!

UED&GUI

HMI represents the technology and trendy attitude in e-mobility industry.
We are committed to providing our customers with unique HMI solutions.



HMI is the short for human-machine interaction, It is not just a device. How to make the HMI become the channel of emotional interaction between rider and e-Bike.
Let's define the NEXT generation with emotional add-value in HMI solution

Riding data analysis

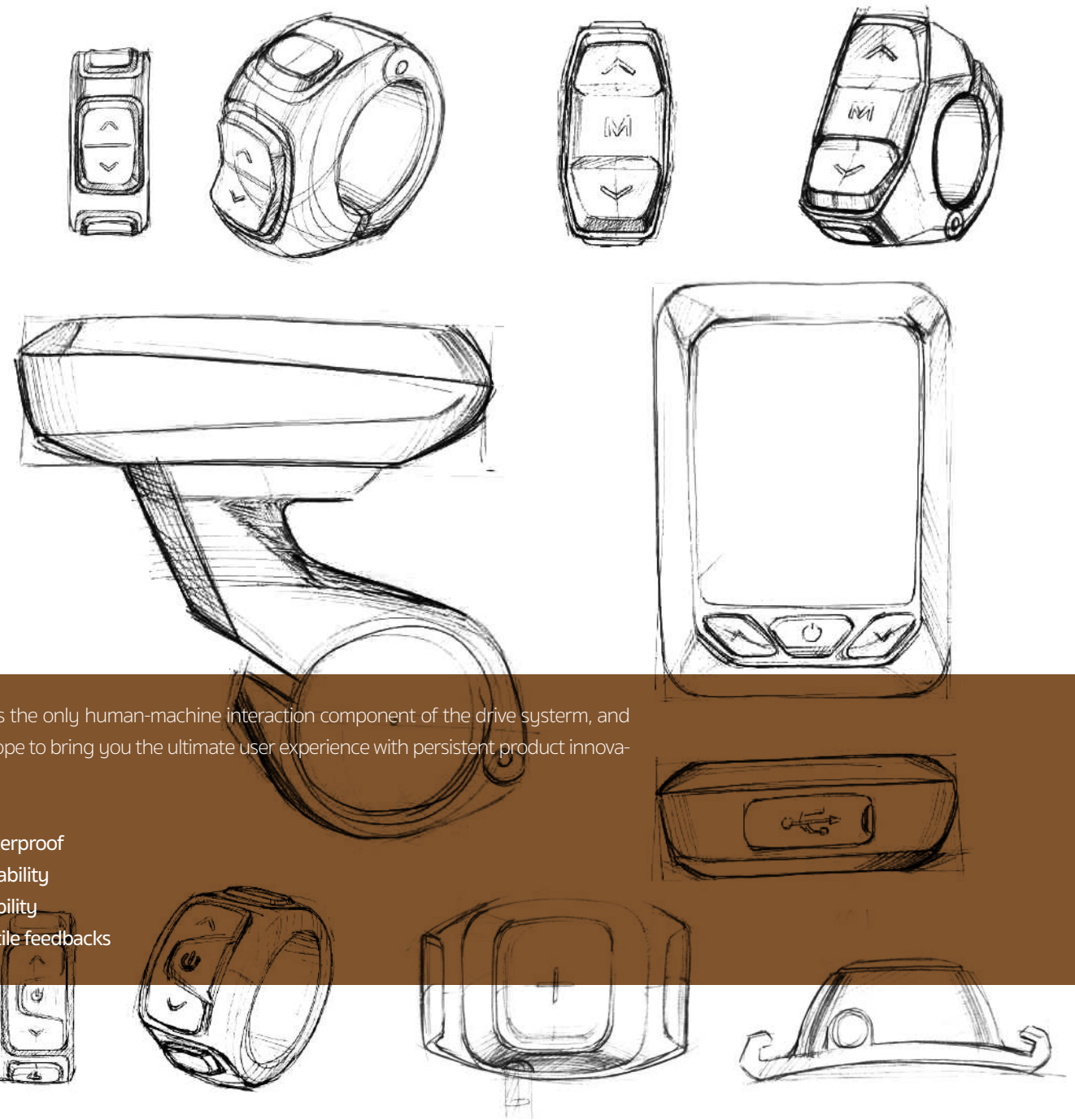
Milestone rewards

Maintenance Reminder

Customized Theme

Route plan

VeloFox



HMI is the only human-machine interaction component of the drive system, and we hope to bring you the ultimate user experience with persistent product innovation.

- Waterproof
- Durability
- Visibility
- Tactile feedbacks

RE-DEFINING

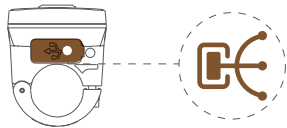
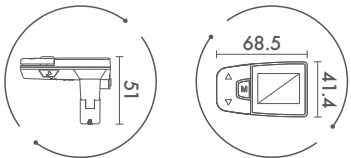
Not Following,
But Leading

BLACK & WHITE CONTRAST
BETTER VISIBILITY

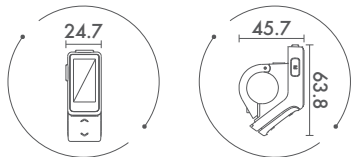


DM 01

Screen	VA,Segment,1.6"	Mounting	Left side, φ 22.2mm
Rated Voltage	36/48/52V	Console Option	Integrated,5 buttons
Rated Current	10mA,(94mA with charging)	Certification	CE/RoHS/EN 15194
Communication	UART/CAN	Specificity	Bluetooth & USB charging optional
Outline Dimension	68.5*41.1*51	Typical Application	City bike,MTB



COMPACT,
BUT COMPREHENSIVE
COMPATIBLITY

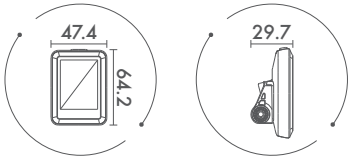


DM 03

Screen Type	OLED, matrix, 1.3"	Mounting	left side, ϕ 22.2mm ϕ 23.8mm
Rated Voltage	36/48/52V	Console Option	Integrated, 4 buttons
Rated Current	19mA	Certification	CE/RoHS/EN 15194
Communication	UART/CAN	Specificity	Bluetooth
Outline Dimension	24.7*63.8*45.7	Typical Application	City bike, MTB, Folding bike



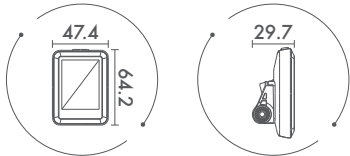
BRIGHT & COLORFUL,
FULL VIEW RANGE
BORN FOR SPORTY



DM 02

Screen Type	TFT, matrix, 2.0"	Mounting	Central Mounting, Φ 22.2mm, Φ 25.4mm, Φ 31.8mm
Rated Voltage	36/48/52V	Console Option	Seperated Control
Rated Current	23 mA	Certification	CE/RoHS/EN 15194
Communication	UART/CAN	Specificity	Bluetooth
Outline Dimension	47.4*64.2*29.7	Typical Application	Road bike, Gravel bike,MTB

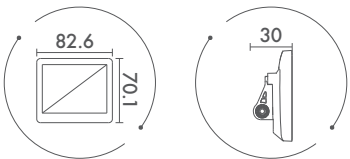
TRANSFLECTIVE
TECHNOLOGY
BRIGHT SEGMENTS
BORN FOR SPORTY



DM 02B

Screen Type	Segment, 2.0"	Mounting	Central Mounting, Φ 22.2mm, Φ 25.4mm, Φ 31.8mm
Rated Voltage	36/48/52V	Console Option	Seperated Remote
Rated Current	12 mA	Certification	CE/RoHS/EN 15194
Communication	UART/CAN	Specificity	Bluetooth,RTC,Auto Light be optional
Outline Dimension	47.4*64.2*29.7	Typical Application	Road bike, Gravel bike,MTB

COMBINED SCREEN
LARGER ICON,
CLEAR & VISIBLE

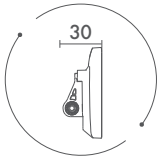
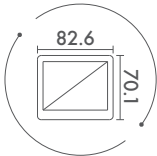


DM 05

Screen Type	FSTN, segment, 3.5"	Mounting	Central Mounting, Φ 22.2mm, Φ 25.4mm, Φ 31.8mm
Rated Voltage	36/48/52V	Console Option	Seperated Remote
Rated Current	31 mA	Certification	CE/RoHS/EN 15194
Communication	UART/CAN	Specificity	Bluetooth,RTC,Auto Light be optional
Outline Dimension	82.6*70.1*30	Typical Application	City bike



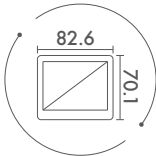
BLACK & WHITE CONTRAST
TRANSFLECTIVE
TECHNOLOGY



DM 05B

Screen Type	DFSTN, segment, 3.5"	Mounting	Central Mounting, Φ 22.2mm, Φ 25.4mm, Φ 31.8mm
Rated Voltage	36/48/52V	Console Option	Seperated Remote
Rated Current	15 mA	Certification	CE/RoHS/EN 15194
Communication	UART/CAN	Specificity	Bluetooth,RTC,Auto Light be optional
Outline Dimension	82.6*70.1*30	Typical Application	City bike

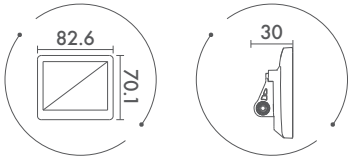
COLORFUL SEGMENT
TRANSFLECTIVE
TECHNOLOGY



DM 05S

Screen Type	DFSTN, segment, 3.5"	Mounting	Central Mounting, Φ 22.2mm, Φ 25.4mm, Φ 31.8mm
Rated Voltage	36/48/52V	Console Option	Seperated Control
Rated Current	15 mA	Certification	CE/RoHS/EN 15194
Communication	UART/CAN	Specificity	Bluetooth,RTC,Auto Light be optional
Outline Dimension	82.6*70.1*30	Typical Application	City bike

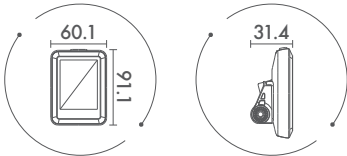
COLORFUL
ANIMATED INTERFACE
GUI TECH



DM 05C

Screen Type	IPS, matrix, 3.5"	Mounting	Central Mounting, Φ 22.2mm, Φ 25.4mm, Φ 31.8mm
Rated Voltage	36/48/52V	Console Option	Seperated Control
Rated Current	37.8 mA	Certification	CE/RoHS/EN 15194
Communication	UART/CAN	Specificity	Bluetooth,RTC,Auto Light be optional
Outline Dimension	82.6*70.1*30	Typical Application	City bike, MTB

PREMIUM
HIGH RESOLUTION
UNIQUE



DM 06

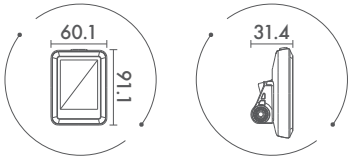
Screen Type	IPS, matrix, 3.5"	Mounting	Central Mounting, Φ 22.2mm, Φ 25.4mm, Φ 31.8mm
Rated Voltage	36/48/52V	Console Option	Seperated Remote
Rated Current	42 mA	Certification	CE/RoHS/EN 15194
Communication	UART/CAN	Specificity	Bluetooth,RTC,Auto Light be optional
Outline Dimension	60.1*91.1*31.4	Typical Application	City bike, MTB

COST-EFFECTIVE
COLORFUL SEGMENTS
HIGH VISIBILITY

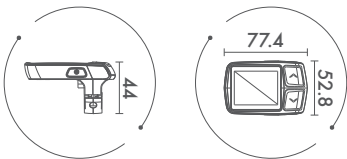


DM 06B

Screen Type	colorful segments, 3.5"	Mounting	Central Mounting, Φ 22.2mm, Φ 25.4mm, Φ 31.8mm
Rated Voltage	36/48/52V	Console Option	Seperated Remote
Rated Current	18 mA	Certification	CE/RoHS/EN 15194
Communication	UART/CAN	Specificity	Bluetooth,RTC,Auto Light be optional
Outline Dimension	60.1*91.1*31.4	Typical Application	City bike, MTB



BEYOND SIMPLE URBAN STYLE

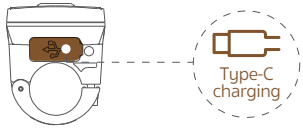


DM 07

Screen Type	IPS, matrix, 2.0"	Mounting	Left Mounting, Φ22.2mm
Rated Voltage	36/48/52V	Console Option	Integrated, 4 Buttons
Rated Current	27 mA	Certification	CE/RoHS/EN 15194
Communication	UART/CAN	Specificity	With Bluetooth/RTC/light sensor/USB charging optional
Outline Dimension	77.4*52.8*44	Typical Application	City Bike, MTB, Folding Bike

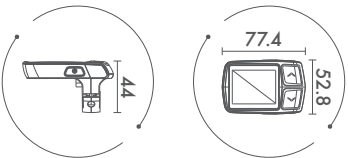


UPGRADE
TYPE C CHARGING
INTEGRATED

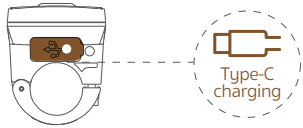


DM 07V

Screen Type	IPS, matrix, 2.0"	Mounting	Left Mounting, Φ22.2mm
Rated Voltage	36/48/52V	Console Option	Integrated, 4 Buttons
Rated Current	27 mA	Certification	CE/RoHS/EN 15194
Communication	UART/CAN	Specificity	With Bluetooth/RTC/light sensor/USB charging optional
Outline Dimension	77.4*52.8*44	Typical Application	City Bike, MTB, Folding Bike

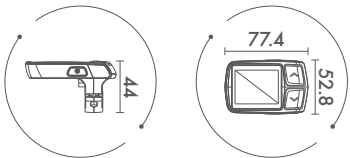


TRANSFLECTIVE
DELICATE SEGMENTS



DM 07B

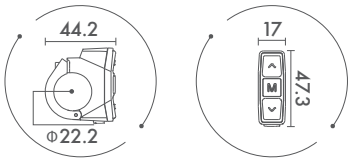
Screen Type	Segments, 2.0"	Mounting	Left Mounting, Φ22.2mm
Rated Voltage	36/48/52V	Console Option	Integrated, 4 Buttons
Rated Current	10 mA	Certification	CE/RoHS/EN 15194
Communication	UART/CAN	Specificity	With Bluetooth/RTC/light sensor/USB charging optional
Outline Dimension	77.4*52.8*44	Typical Application	City Bike, MTB, Folding Bike



CLEAR FEEDBACK CAMPACT



All remote models are compatible with central display series



RM 01

Outline Dimension	17*43.7*44.2
Buttons	4 Buttons
Certification	CE/RoHS
Specificity	Control Button
Compatibility	All remote models are compatible with central display series
Mounting	Left Side, ϕ 23.8mm, 22.2mm



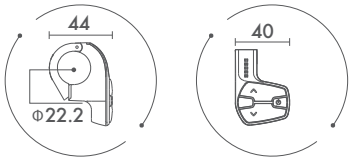
SIMPLE,
BUT FUNCTIONAL



All remote models are compatible with central display series

RM 02

Outline Dimension	40*55.7*42
Buttons	4 Buttons
Certification	CE/RoHS
Specificity	LED indicator
Compatibility	All remote models is compatible with DM05 and DM06 series
Mounting	Left Side, ϕ 22.2mm



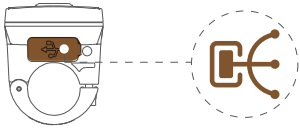
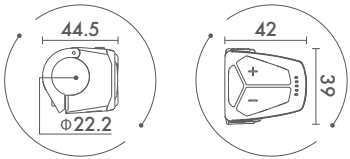
CHARGE
YOUR CYCLING



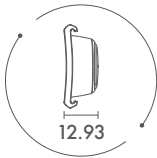
All remote models are compatible with central display series

RM 03

Outline Dimension	39*42*44.5
Buttons	4 Buttons
Certification	CE/RoHS
Specificity	Remote Button
Compatibility	All remote models is compatible with DM05 and DM06 series
Mounting	Left Side, ϕ 22.2mm



INDEPENDENT REMOTE BORN FOR RACING



RM 05

Outline Dimension	31.7*22.5*13
Buttons	2 Buttons
Certification	CE/RoHS
Specificity	Special for e-Road and e-Gravel
Compatibility	Only compatible with DM02
Mounting	Fixed on both side

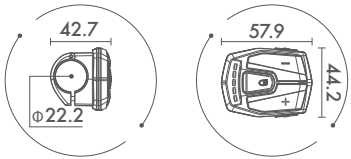
ERGONOMIC AND MULTI-FUNCTION



All remote models are compatible with central display series

RM 06A

Outline Dimension	57.9*44.2*42.7
Buttons	5 Buttons
Certification	CE/RoHS
Specificity	LED indicator
Compatibility	All remote models is compatible with DM05 and DM06 series
Mounting	Left Side, φ 22.2mm



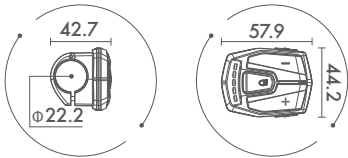
ERGONOMIC AND MULTI-FUNCTION



All remote models are compatible with central display series

RM 06B

Outline Dimension	57.9*44.2*42.7
Buttons	5 Buttons
Certification	CE/RoHS
Specificity	LED indicator
Compatibility	All remote models is compatible with DM05 and DM06 series
Mounting	Left Side, φ 22.2mm



INTEGRATED
LIGHT SOLUTION
MULTI-FUNCTION



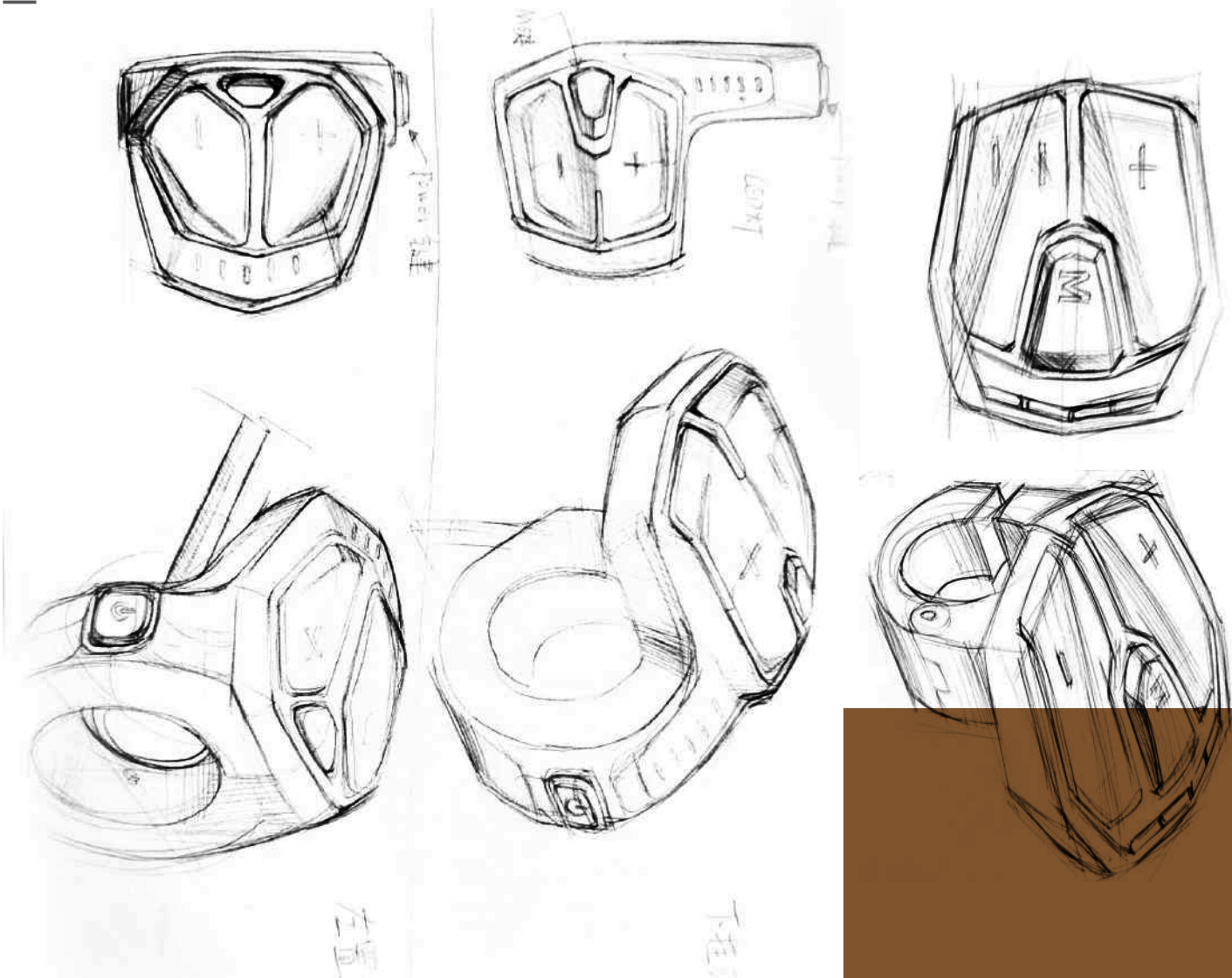
BR05 is compatible with all the central display series

BR 05 BRACKET

Outline Dimension	38*49.5*72
Buttons	N/A
Certification	N/A
Specificity	N/A
Compatibility	Compatible with central display series
Mounting	Middle Mounting, Φ 22.2mm, Φ 25.4mm, Φ 31.8mm



CUSTOMIZATION



HMI represents the technology and trendy attitude in e-mobility industry
We are committed to providing our customers with unique HMI solutions.

INTEGRATED SOLUTION EMBEDED IN STEM



- 1.3" OLED module
- IML frontlens
- On-panel plug

INTEGRATED SOLUTION EMBEDED IN TOP-TUBE



- 2.0" IPS module
- OCA lamination
- Special for e-MTB

CUSTOMIZATION FOR E-SCOOTER



- Customized kit for e-Scooter
- E-Brake + throttle + light + HMI integration

NOTE:

All remote models are compatible with central display series

															
Core Data	Dimensions	68.5*41.1*51		68.5*41.1*51		24.7*63.8*45.7		47.4*64.2*29.7		47.4*64.2*29.7		82.6*70.1*30		82.6*70.1*30	
	Screen and size	VA, segment,1.6"		VA, segment,1.6"		OLED, Matrix, 1.3"		IPS, Matrix, 2.0"		IPS, Matrix, 2.0"		FSTN, Segment, 3.5"		DFSTN, Segment, 3.5"	
	Com. protocol	Can-bus/UART		Can-bus/UART		Can-bus/UART		Can-bus/UART		Can-bus/UART		Can-bus/uart		Can-bus/uart	
	Rated Voltage	24/36/48		24/36/48		24/36/48		24/36/48		24/36/48		24/36/48		24/36/48	
	Max input voltage	52		52		52		52		52		52		52	
Mounting	/	/		/		/		/		/		/		/	
	Holder Size	22.2		22.2		22.2, 23.8		22.2, 25.4, 31.8		22.2, 25.4, 31.8		22.2, 25.4, 31.8		22.2, 25.4, 31.8	
Indication	/	/		/		/		/		/		/		/	
	Information Speed (Current, Max, Average)	YES		YES		YES		YES		YES		YES		YES	
	Unit (Km/mile)	YES		YES		YES		YES		YES		YES		YES	
	ODO,Trip, Range	YES		YES		YES		YES		YES		YES		YES	
	PAS indication mode	5 Level Digital		5 Level Digital		5 Level Digital Or Icon		5 Level Digital Or Icon		5 Level Digital Or Icon		5 Level Icon		5 Level Icon	
	Error code indicator	YES		YES		YES		YES		YES		YES		YES	
	Battery indicator	YES		YES		YES		YES		YES		YES		YES	
	Headlight on/off	YES		YES		YES		YES		YES		YES		YES	
	Walk Assistance	YES		YES		YES		YES		YES		YES		YES	
	Battery detail info	NO		NO		YES		YES		YES		NO		NO	
	Trip time	NO		NO		NO		YES		YES		YES		NO	
	Riding data analytics	NO		NO		YES		YES		YES		NO		NO	
	Maintenance Reminder	NO		NO		NO		YES		YES		NO		NO	
Further Specifications	/	/		/		/		/		/		/		/	
	Bluetooth	YES		NO		YES		YES		YES		YES		NO	
	USB charging	YES		NO		NO		NO		NO		NO		NO	
	Power-on password	NO		NO		YES		YES		YES		NO		NO	
	Auto shutdown	YES		YES		YES		YES		YES		YES		YES	
	Real-time clock	NO		NO		NO		NO		NO		YES		NO	
	Backlight Adjust	YES		NO		YES		YES		YES		YES		YES	
	Auto Lighting	NO		NO		NO		YES		YES		YES		NO	
	Adv setting	NO		NO		YES		YES		YES		YES		YES	
	/	/		/		/		/		/		/		/	
Certification	IP-67	YES		YES		YES		YES		YES		YES		YES	
	CE	YES		YES		YES		YES		YES		YES		YES	
	EN15194	YES		YES		YES		YES		YES		YES		YES	
	Rohs	YES		YES		YES		YES		YES		YES		YES	

NOTE:







All remote models are compatible with central display series



Core Data	Dimensions	82.6*70.1*30	82.6*70.1*30	60.1*91.1*31.4	60.1*91.1*31.4	77.4*52.8*44	77.4*52.8*44	77.4*52.8*44
	Screen and size	DFSTN, Segment, 3.5"	IPS, Segment, 3.5"	IPS, Matrix, 3.5"	IPS, Matrix, 3.5"	IPS, Segment, 3.5"	IPS, Segment, 3.5"	IPS, Segment, 3.5"
	Com. protocol	Can-bus/UART	Can-bus/UART	Can-bus/UART	Can-bus/UART	Can-bus/UART	Can-bus/UART	Can-bus/UART
	Rated Voltage	24/36/48	24/36/48	36/48/52	36/48/52	24/36/48	24/36/48	24/36/48
	Max input voltage	52	52	52	52	52	52	52
Mounting	/	/	/	/	/	/	/	/
	Holder Size	22.2, 25.4, 31.8	22.2, 25.4, 31.8	22.2, 25.4, 31.8	22.2, 25.4, 31.8	22.2,	22.2,	22.2,
	/	/	/	/	/	/	/	/
Indication	Information Speed (Current, Max, Average)	YES	YES	YES	YES	YES	YES	YES
	Unit (Km/mile)	YES	YES	YES	YES	YES	YES	YES
	ODO,Trip, Range	YES	YES	YES	YES	YES	YES	YES
	PAS indication mode	5 Level Icon	5 Level Icon	5 Level Digital Or Icon	5 Level Digital Or Icon	5 Level Digital Or Icon	5 Level Digital Or Icon	5 Level Digital Or Icon
	Error code indicator	YES	YES	YES	YES	YES	YES	YES
	Battery indicator	YES	YES	YES	YES	YES	YES	YES
	Headlight on/off	YES	YES	YES	YES	YES	YES	YES
	Walk Assistance	YES	YES	YES	YES	YES	YES	YES
	Battery detail info	NO	NO	YES	YES	YES	YES	YES
	Trip time	NO	NO	YES	YES	YES	YES	YES
	Riding data analytics	NO	NO	YES	YES	YES	YES	YES
	Maintenance Reminder	NO	NO	YES	YES	YES	YES	YES
	/	/	/	/	/	/	/	/
	Bluetooth	NO	NO	Optional	Optional	Optional	Optional	Optional
	USB charging	NO	NO	YES	YES	YES	YES	YES
Further Specifications	Power-on password	NO	NO	YES	YES	YES	YES	YES
	Auto shutdown	YES	YES	YES	YES	YES	YES	YES
	Real-time clock	NO	NO	YES	YES	YES	YES	YES
	Backlight Adjust	YES	YES	YES	YES	YES	YES	YES
	Auto Lighting	NO	NO	YES	YES	YES	YES	YES
	Adv setting	YES	YES	YES	YES	YES	YES	YES
	/	/	/	/	/	/	/	/
	IP-67	YES	YES	YES	YES	YES	YES	YES
Certification	CE	YES	YES	YES	YES	YES	YES	YES
	EN15194	YES	YES	YES	YES	YES	YES	YES
	Rohs	YES	YES	YES	YES	YES	YES	YES

NOTE:

All remote models are compatible with central display series

		<div>RM 01</div> 	<div>RM 02</div> 	<div>RM 03</div> 	<div>RM 05</div> 	<div>RM 06A</div> 	<div>RM 06B</div> 
Core Data	Dimensions	17*43.7*44.2	40*55.7*42	39*42*44.5	40*55.7*42	39*42*44.5	39*42*44.5
	Screen and size	N/a	Led	N/A	N/A	N/A	N/A
	Com. protocol	Can-bus/UART	Can-bus/UART	N/A	N/A	N/A	N/A
	Rated Voltage		36/48/52	N/A	N/A	N/A	N/A
	Max input voltage		52	N/A	N/A	N/A	N/A
Mounting	/	/	/	/	/	/	/
	Holder Size	22.2, 23.8	22.2	22.2	22.2,Flexible	22.2	22.2
	/	/	/	/	/	/	/
Indication	Information Speed (Current, Max, Average)	N/A	N/A	N/A	N/A	N/A	N/A
	Unit (Km/mile)	N/A	N/A	N/A	N/A	N/A	N/A
	ODO,Trip, Range	N/A	N/A	N/A	N/A	N/A	N/A
	PAS indication mode	N/A	5 Level Lights	N/A	N/A	N/A	5 Level Lights
	Error code indicator	N/A	YES	N/A	N/A	YES	YES
	Battery indicator	N/A	YES	N/A	N/A	YES	YES
	Headlight on/off	N/A	YES	N/A	N/A	YES	YES
	Walk Assistance	YES	YES	YES	YES	YES	YES
	Battery detail info	N/A	YES	N/A	N/A	YES	YES
	Trip time	N/A	N/A	N/A	N/A	N/A	N/A
	Riding data analytics	N/A	N/A	N/A	N/A	N/A	N/A
	Maintenance Reminder	N/A	N/A	N/A	N/A	N/A	N/A
	/	/	/	/	/	/	/
	Bluetooth	N/A	Optional	N/A	N/A	Optional	Optional
Further Specifications	USB charging	N/A		YES	N/A	YES	YES
	Power-on password	N/A	N/A	N/A	N/A	N/A	N/A
	Auto shutdown	N/A	N/A	N/A	N/A	N/A	N/A
	Real-time clock	N/A	N/A	N/A	N/A	N/A	N/A
	Backlight Adjust	N/A	N/A	N/A	N/A	N/A	N/A
	Auto Lighting	N/A	N/A	N/A	N/A	N/A	N/A
	Adv setting	N/A	N/A	N/A	N/A	N/A	N/A
	/	/	/	/	/	/	/
Certification	IP-67	YES	YES	YES	YES	YES	YES
	CE	YES	YES	YES	YES	YES	YES
	EN15194	YES	YES	YES	YES	YES	YES
	Rohs	YES	YES	YES	YES	YES	YES