Withis

REVE

User Manual

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ABOUT REVE

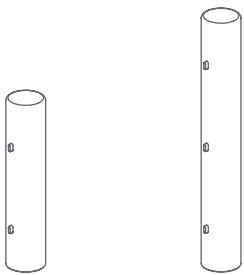
REVE is a product series of light vehicles with innovative modular design.

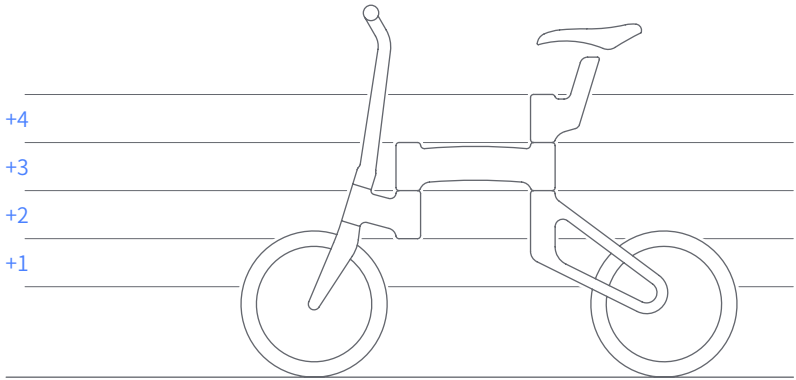
There are 4 types of REVE modules: Front Module (FM), Middle Module (MM), Rear Module(RM), Extra Module (EM). Users can choose several modules to assemble vehicles with different functions.

Front Module (FM)	With one or more ports, usually installed in the front of the vehicle, equipped with front wheel or front support.
Middle Module (MM)	With two or more ports, usually installed in the middle of the vehicle, used as a bridge or a beam.
Rear Module (RM)	With one or more ports, usually installed in the rear of the vehicle, equipped with rear wheel or rear support.
Extra Module (EM)	With one or more ports, usually installed in different positions of the vehicle, used as supplements.

Modules are connected via REVE Docking Station.

Docking Station (2x) can connect 2 modules,
Docking Station (3x) can connect 3 modules.





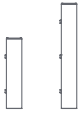
To ensure the compatibility between modules, REVE uses 4 different installation heights for modules to be installed in place.

Users can purchase a fully functioned assembled REVE bike, or purchase the REVE modules separately according to the need.

SAFETY INSTRUCTIONS

1. Please have a clear understanding about the local law and regulation before using this product.
2. Before riding, check and make sure the button of each Docking Station rose to the top and every clamp of the module ports is tightened.
3. It takes longer to stop in wet conditions. Do not ride in the snow days or on the roads which are muddy, soft and icy.
4. This product is designed for the use on urban paved roads. Do not ride up and down the steps or do any stunts to prevent damage to the vehicle.

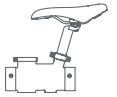
INSIDE PACKAGE



Docking Station



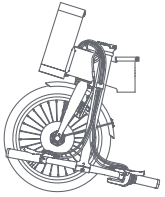
MM-Horizontal Bridging



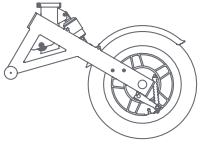
EM-Sport Saddle



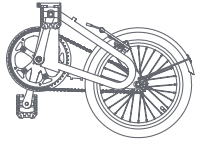
EM-Cruising Saddle



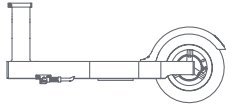
FM-Electric Drive



RM-Shock Absorbing



RM-Road Riding

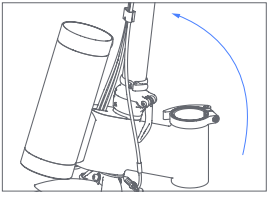


RM-Portable Scooter

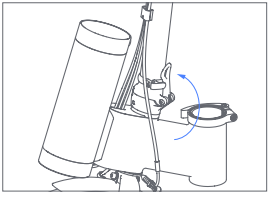
QUICK INSTALLATION

UNFOLD THE STEM

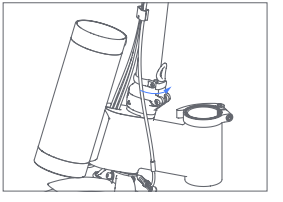
1 Raise the stem.



2 Close the lever.



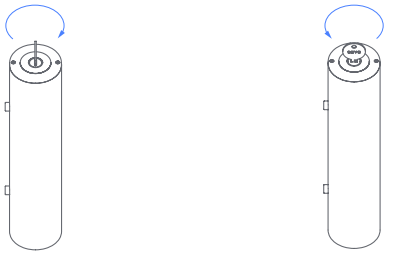
3 Buckle the safety clasp.



You can operate in reverse order of the steps above to fold the stem.

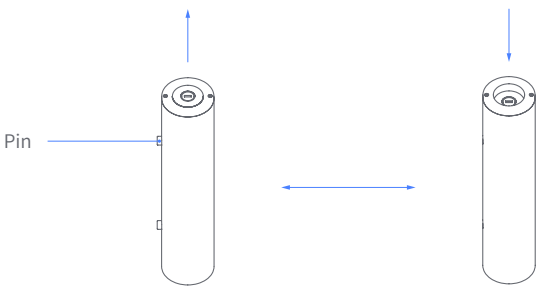
DOCKING STATION

LOCK / UNLOCK



PIN

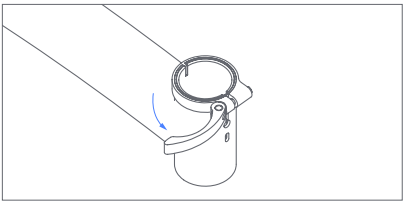
Unlock the Docking Station, press the button on the top to retract the pin, lift the button to release the pin.



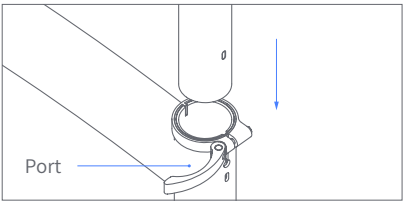
IMPORTANT!

1. The button should face upward when using the Docking Station. Do not install reversely.
2. If the button is hard to press when the Docking Station is unlocked and with modules installed to it, you can loosen the clamps and move the modules a little bit to **reduce friction**, then press the button.
3. In the locked state, hitting the button violently may damage the internal structure of the Docking Station, leading to locking failure.

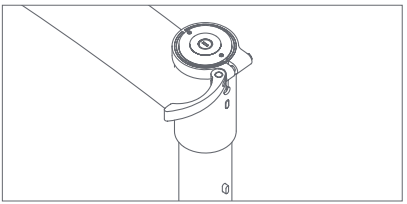
INSTALL MODULES TO THE DOCKING STATION



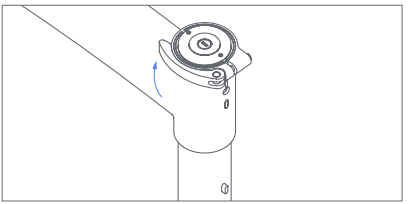
1 Release the lever.



2 Retract the pin into the Docking Station. Insert the Docking Station into the port.



3 Release the pin into the locating hole on the port.



4 Close the lever. (The tightness of the clamp can be adjusted by the screw on the opposite side of the clamp.)

Note:

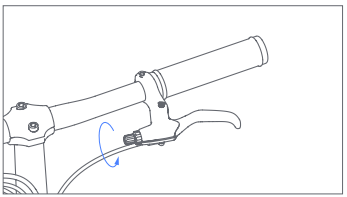
The ports of different modules may look slightly different.

When there are several modules to install to the same Docking Station, it is suggested to install each module **one by one following the steps above**. You can operate in reverse order of the steps above to remove the modules.

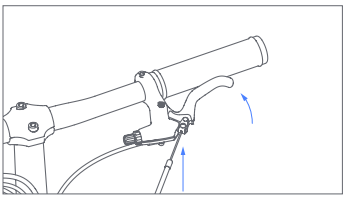
USAGE OF MODULES

INSTALL THE BRAKE CABLE

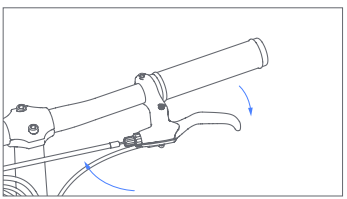
On the FM-Electric Drive, the left brake lever is used for rear brake, the right brake lever is used for front brake. The brake cable need to be installed to the brake lever when combining the FM-Basic Electric Drive and other modules fitted with a brake.



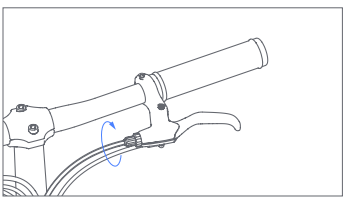
1 Adjust the barrel adjuster about half way out. Make sure that the barrel slot lines up with the slot in the body.



2 Squeeze the brake lever. Install the cable end into the link.



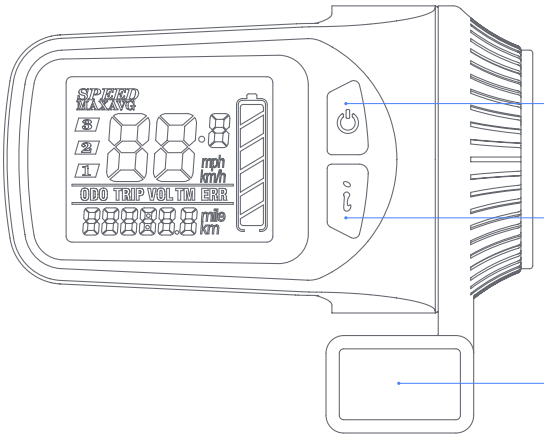
3 Plug the cable housing into the barrel. Release the brake lever.



4 Use the barrel adjuster to take up any slack in the cable.

You can operate in reverse order of the steps above to remove the brake cable.

DASHBOARD



Long press: power on/off

Short press: switch status display

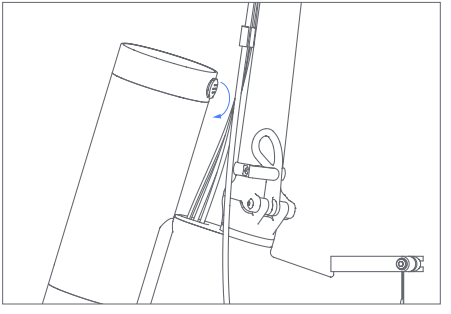
Short press: switch gear

Accelerator

CHARGING

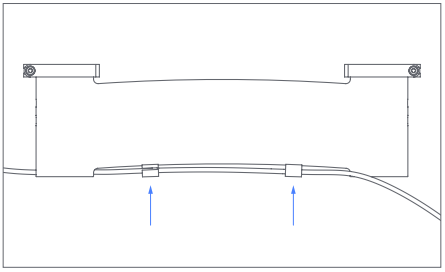
Take the rubber cover off the battery charging port, and connect to the charger inside the package to charge for the battery using civil electric supply.

The indicator light of the charger will turn green when the battery is fully charged.



CABLE CLIP

Use the cable clip to help fix the brake cable or shift cable on the MM-Horizontal Bridging.

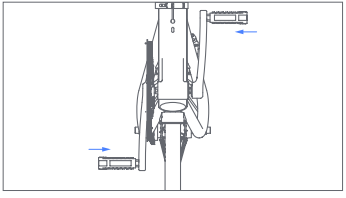


IMPORTANT!

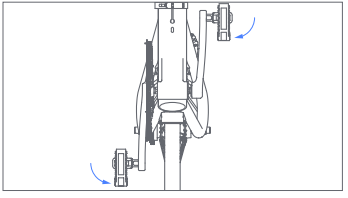
As the graphic above shows, the cable clip should be downward. Do not install the module up side down.

FOLDING PEDAL

1



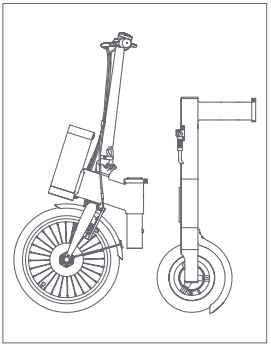
2



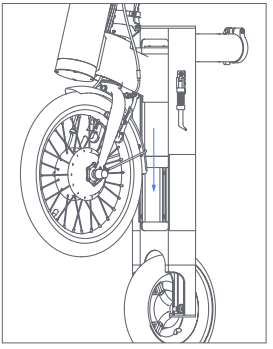
You can operate in reverse order of the steps above to unfold the pedal.

WALKING MODE FOR THE SCOOTER

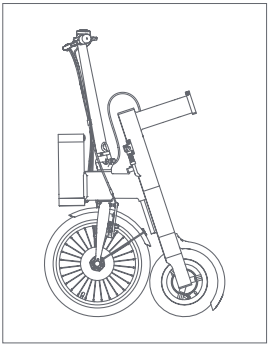
Using the walking mode can help reduce the footprint of the vehicle.



1 Remove the RM-Portable Scooter from the Docking Station.



2 Retract the pin into the Docking Station. Insert the Docking Station into the secondary module port under the board.



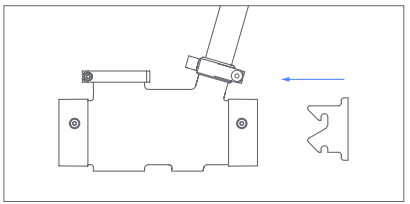
3 Release the pin into the locating hole on the secondary module port.

QUICK RELEASE ACCESSORIES

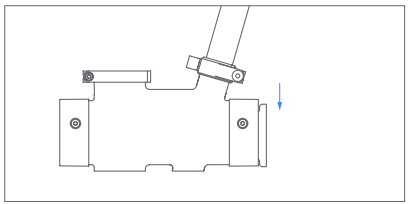
The EM-Sport Saddle and the EM-Cruising Saddle are equipped with 2 accessory ports, for installing REVE quick release accessories as required.

INSTALLING ACCESSORIES

1 Insert the plug into the accessory port.

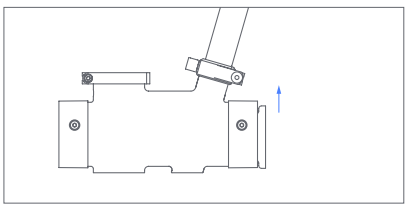


2 The plug automatically falls into position.

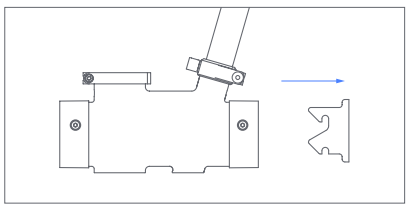


REMOVING ACCESSORIES

1 Lift up the plug.



2 Pull the plug out of the port.



***The REVE quick release accessories are sold separately.**

SPECS

Size	Commuter	1290 x 550 x 1005 mm
	Cruiser	1310 x 550 x 1005 mm
	Scooter	1160 x 550 x 1005 mm
Weight	Commuter	17.60 kg
	Cruiser	20.35 kg
	Scooter	14.05 kg
Frame Material		Aluminum Alloy
Maximum Laden Mass		110 kg
Maximum Speed		25 km/h
Estimated Range		30 - 40 km
Battery	Cell Type	18650 Li-ion
	Voltage	24V
	Capacity	10 Ah
	Charging Time	5 - 6 hours
Motor	Capacity	200 W
	Torque	25 N • m
	Climbing Performance	30°
Tyre	FM-Electric Drive	16 x 1.5
	RM-Road Riding	16 x 1.5
	RM-Shock Absorbing	2.75 - 10 (tubeless)
	RM-Portable Scooter	10 x 2.125