



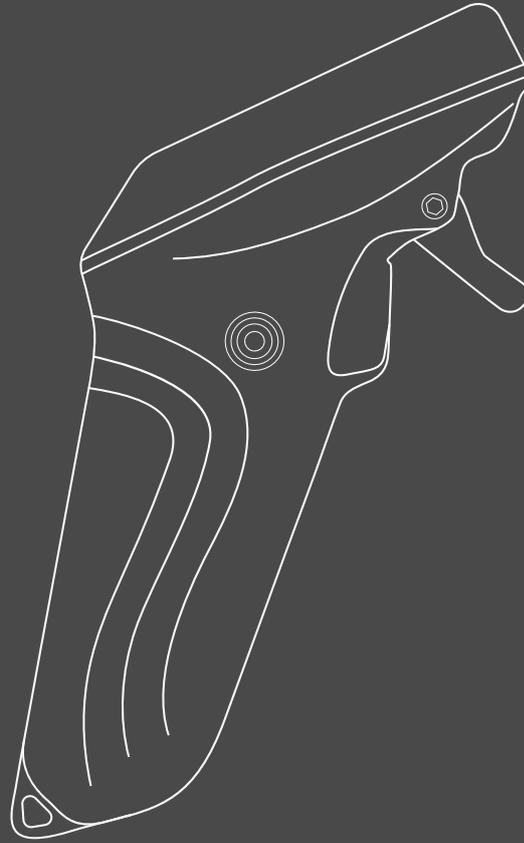
MANTA**FOILS**

VOLT 2 REMOTE
USER MANUAL

Warranty

The product is subject to a warranty that is limited to a period of 12 months from the shipping date of the related product order. For full details about the warranty, please visit <https://www.mantafoils.com/tofs>

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Configurable Display



Waterproof



Sunlight Readable



GPS Positioning Technology



Safety Lock



Cruise Control



Ride Logging



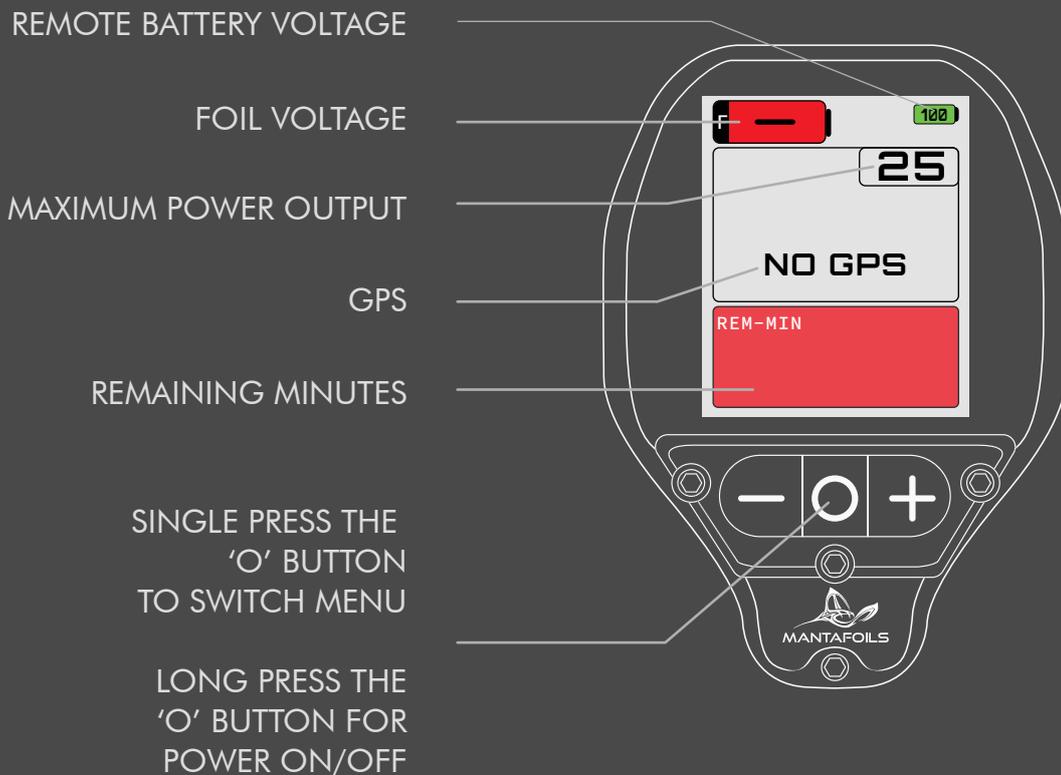
Wireless Charging



When you turn on your remote, this is the first page you will see. This is the homescreen of your remote.

On the home screen you will see:

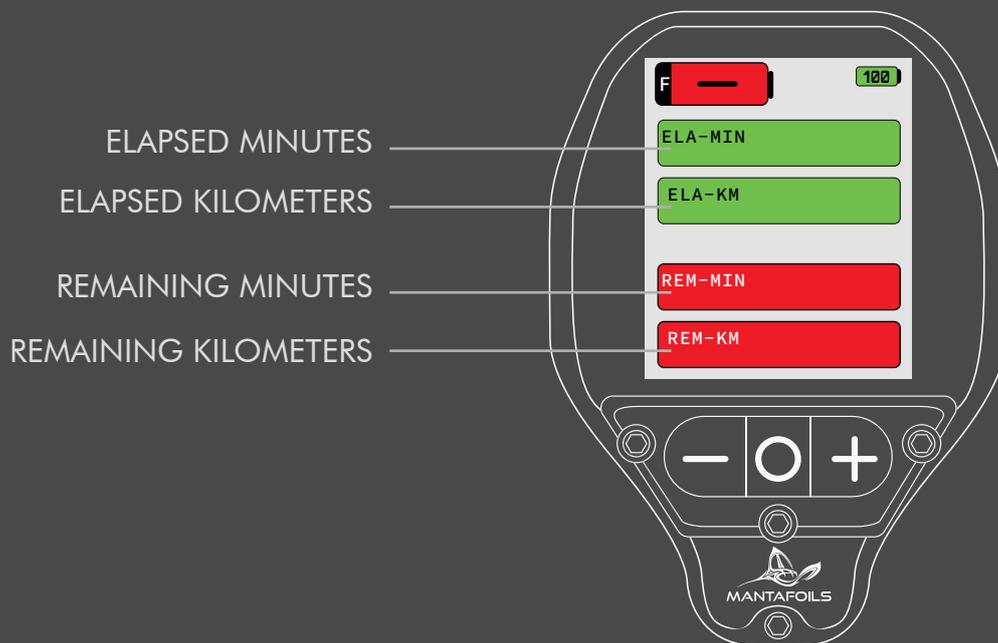
1. The voltage of your foil
2. The GPS
3. The Remote Battery Voltage
4. Maximum power output. TheDefault is set to 25.
5. Remaining minutes. This indicates the remaining minutes of your ride time.





The second page records:

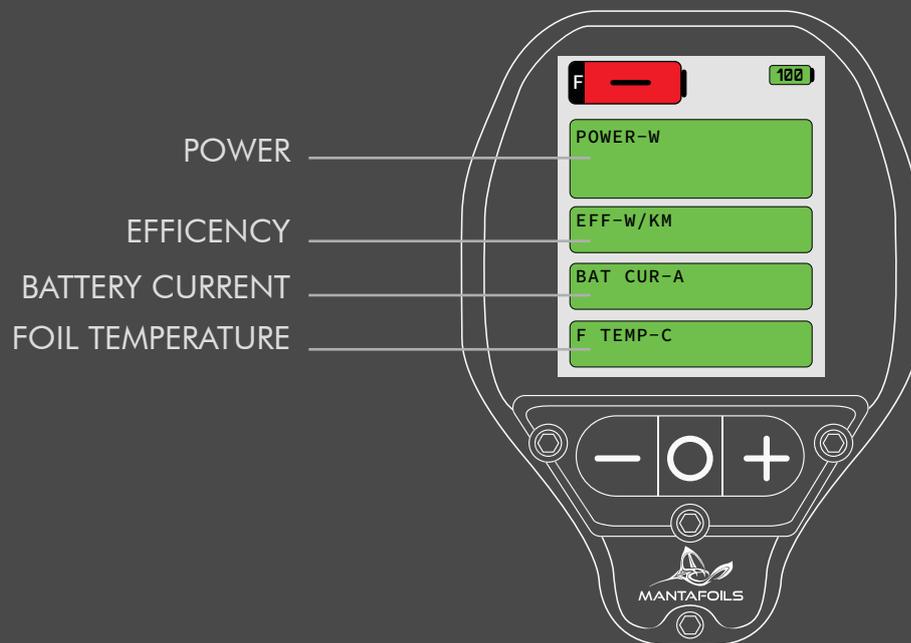
1. Elapsed minutes: The time covered since the start of your ride.
2. Elapsed Kilometers: The kilometers covered since the start of your ride
3. Remaining Minutes: Time remaining for your ride depending on the battery charge.
4. Remaining Kilometers: Kilometers remaining for your ride depending on the battery charge.





The third page records:

1. Foil Power
2. Efficiency: The peak level of your foil performance in real time
3. Battery current
4. Foil temperature





Hold the '-' and '+' together for 3 seconds to enter the settings menu and the exit hold the '-' button for 3 seconds or until you arrive on the homescreen page.

In the menu:

1. The first page is used for pairing the remote with the efoil board.





To connect your remote to the E-foil follow the instructions as shown on the screen.

- Press the 'O' button to enter into pairing mode. This will take you to the screen shown below:



- When on this page, close down the lid of your board to power on the foil.
- Your remote will power off indicating the remote is paired.



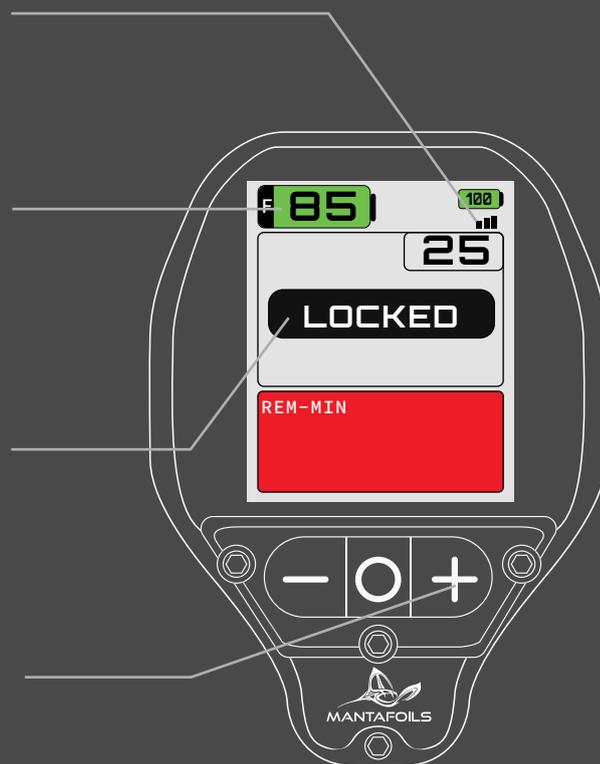
- Restart the remote by long pressing the 'O' button. When the remote restarts, you should read 'LOCKED' on the home screen page. On pairing, the GPS is also activated.

The bars indicate signal strength between the remote and the receiver.

Foil battery charge should appear, turning green.

The safety lock feature will be activated when receiver is paired

Long press the '+' button to reset the ride.





To begin using the remote, unlock the safety lock by pressing the '-' button once. The five second timeout will appear. Press the trigger before the countdown ends to start your ride.

Note:

This safety lock feature is in place to lock the trigger to prevent any accidental foil activation.



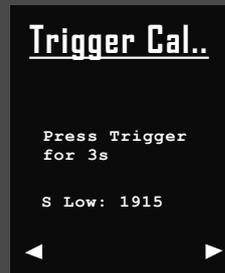


From the submenu page, press the ' + ' button once to enter trigger calibration mode.

- On this page, Release the throttle and press the 'O' button on the screen to begin sensor calibration.



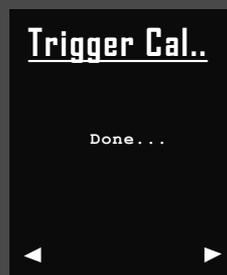
1. On this page, ensure the trigger is not pressed



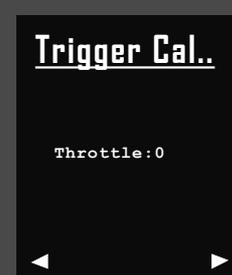
2. Press and hold the trigger for 3 seconds or until the screen changes.



3. When you see this screen. Release the trigger completely.



4. Your trigger calibration has completed.



5. Test the calibration of your trigger on this screen.

Once completed, Pressing any button on the remote will restart the remote indicating that the changes have been saved.

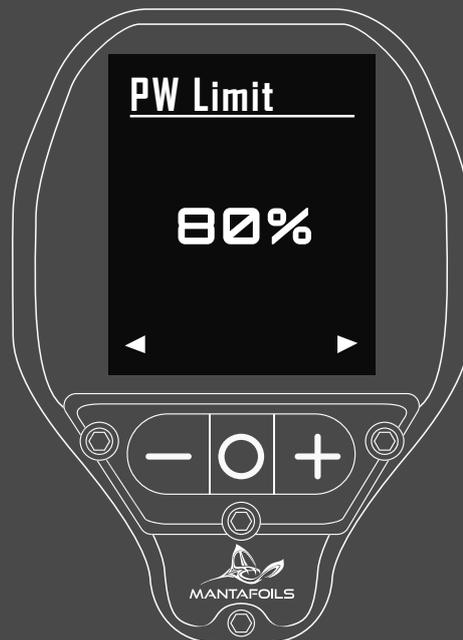


From the submenu page, press the ' + ' button twice to enter power limit settings mode.

- Press the 'O' button to set the power limit to the desired value. The values change in increments of 10.
- Once set, navigate to a different page by using '-' or '+' buttons and navigate back to the same page to ensure that the desired value is saved.

Note:

This feature is designed to make the ride easily controlable for amateur and young riders.





From the submenu page, press the ' + ' button three times to enter units setting mode.

- The available Units are:
 1. The SI units : kilometer/hour
 2. The US units : miles/ hour
 3. The nautical units: knots/hour

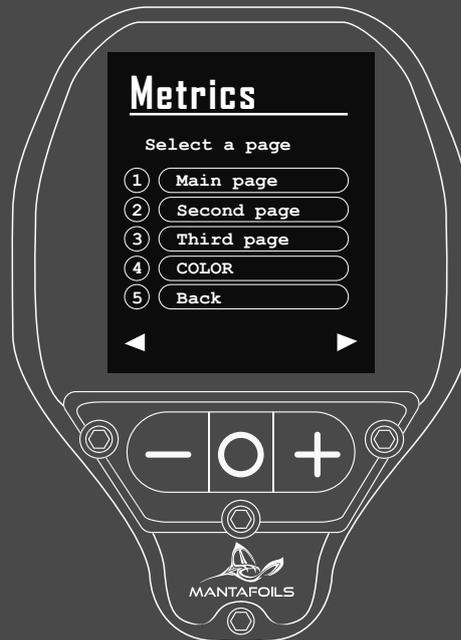
Keep pressing the 'O' button on this page to change the units on your remote. Press the '-' or '+' to navigate to other settings menu. The changes are saved automatically.





From the submenu page, press the ' + ' button four times to enter the metrics settings.

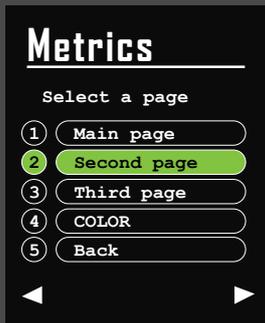
- Metrics setting gives you numerous options to personalize the remote display interface and colors.



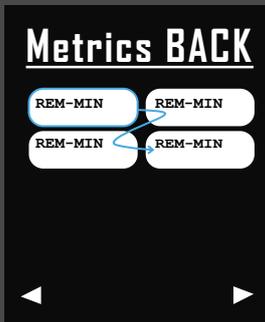


Navigating the Metrics menu

- It is important to understand the navigation controls in the metrics settings



- On this page, press the 'O' button to select options
- Use the '-' and '+' buttons to scroll through the page options
- Press the 'O' button to enter the selected page settings



- On this page, use the '+' button to navigate forward through the options.
- Use the '-' button to navigate backward through the options.

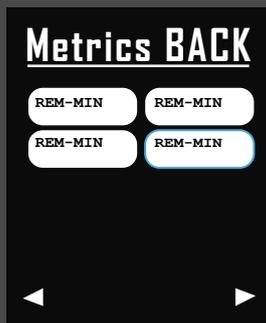


- To go back to the previous menu, keep pressing '-' button to navigate back until 'BACK' is selected.
- Once selected, press the 'O' button to go back to the previous menu

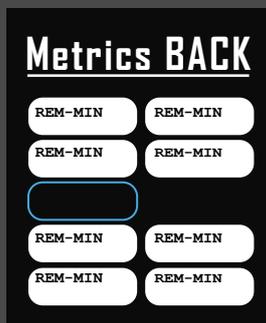


Customizing the Display Cells

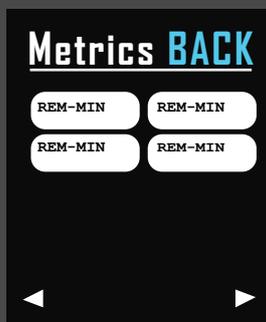
- Each page setting shows the cells available on that screen.
- You can choose what information is displayed in each individual cell or you can choose to leave it empty.
- The Main page can hold a maximum of 4 cells. The Second and Third page can hold a maximum of 10 cells each.



- On this page, navigate to your desired cell.
- Press 'O' button to scroll through the options.
- Once your desired option is selected, navigate away using the '-' and '+' buttons, your selection will be saved automatically.



- To remove a cell completely, keep pressing the 'O' button until the slot is empty.
- Likewise, to fill in an empty slot, navigate to it, scroll through the options and select your desired option.
- A minimum of one cell must remain occupied.
- Depending on the empty slots, the cells regroup and appear as one, two or four cells.

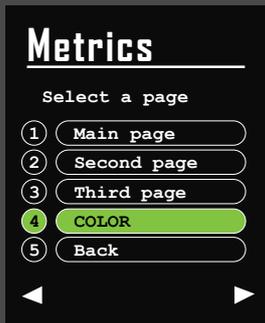


- To go back to the previous menu, keep pressing '-' button to navigate back until 'BACK' is selected.
- Once selected, press the 'O' button to go back to the previous menu

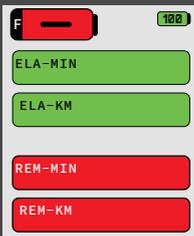


Changing the display colors

- Scroll down to the fourth option. By default it is set to 'color'

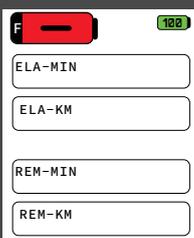


- Press the 'O' button to scroll through the colors
- You can choose between three options:
 - COLOR
 - BLACK
 - WHITE



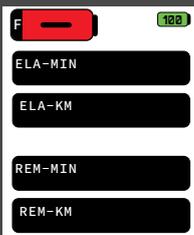
COLOR

- This option displays the cells in different colors.
- Depending on the cell values, the colors change between Green, Yellow and Red.



WHITE

- This option displays all the cells in white color.



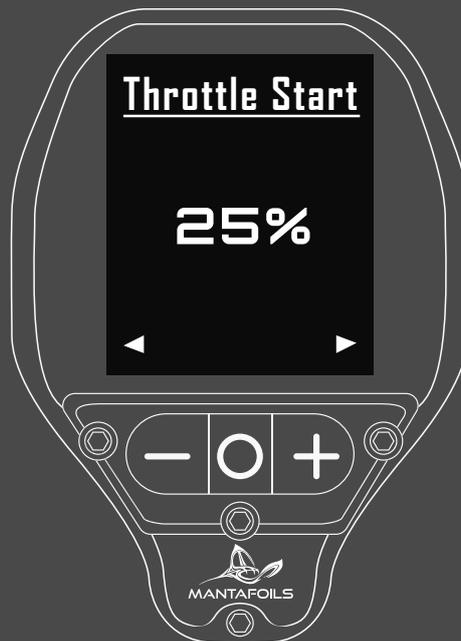
BLACK

- This option displays all the cells in black color.



From the submenu page, press the ' + ' button five times to enter the Thottle start settings

- Throttle start is the power of the foil when the trigger is pressed at the startup.
- This feature is included to avoid unexpected power bursts when starting the ride.
- Press the 'O' button to set the throttle start to the desired value. The values change in increments of 5.
- Once set, navigate to a different page by using '-' or '+' buttons and





From the submenu page, press the ' + ' button six times to enter the Thottle Ramp settings

- Throttle ramp is sensitivity of the acceleration of the foil.
- This value controls how quickly the speed ramps up or down between different power levels.
- On this page, press the 'O' button to scroll through the options.
- Once set, navigate to a different page by using '-' or '+' buttons and navigate back to the same page to ensure that the desired value is saved





From the submenu page, press the ' + ' button seven times to enter the Firmware Update settings

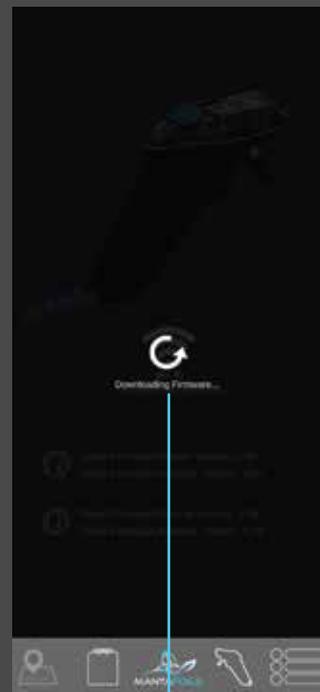
- Make sure the remote is paired to your efoil. (For this, read the instructions on pairing your remote with the board)
- Open the MantaFoil application on your mobile phone.



Click on the Remote Control Icon



Click on the latest firmware version



Wait for the download to finish

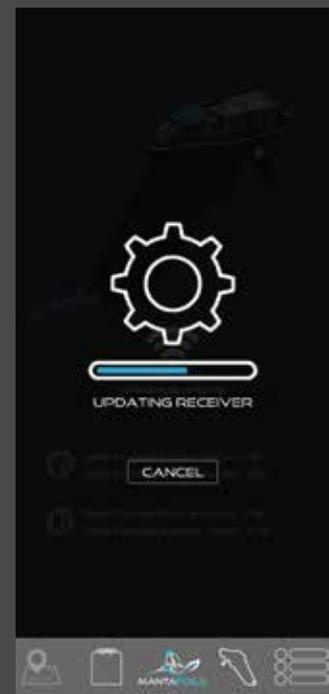
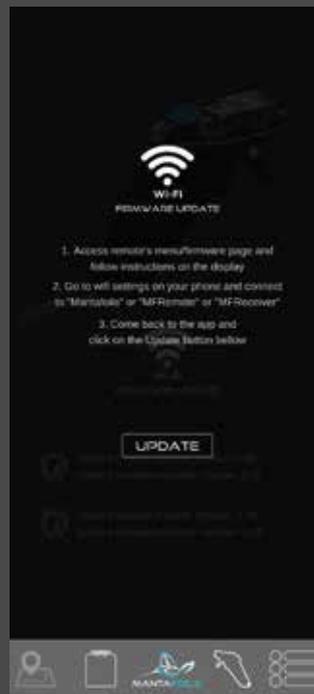


After the firmware update is downloaded on your mobile application, navigate to the firmware update page by pressing the '+' button seven times from the sub menu page.

- Press the 'O' button on the remote to activate the MantaFoil wifi network.
- Your remote will read 'Foil connected' and you will be prompted to connect your phone
- Connect your phone to the MantaFoil wifi network.
- Click on the 'UPDATE' button on the application to install the update.

Wifi username: MANTAFOIL

Wifi password: Manta135



Once the installation is complete, your remote will read 'Lost Connection' and will automatically restart. This indicates that the update is successfully completed.

You can also verify the update by checking the Firmware Version shown on the start up page when the remote is powered on



Navigate to the system resetting page by pressing the '+' button eight times from the sub menu page.

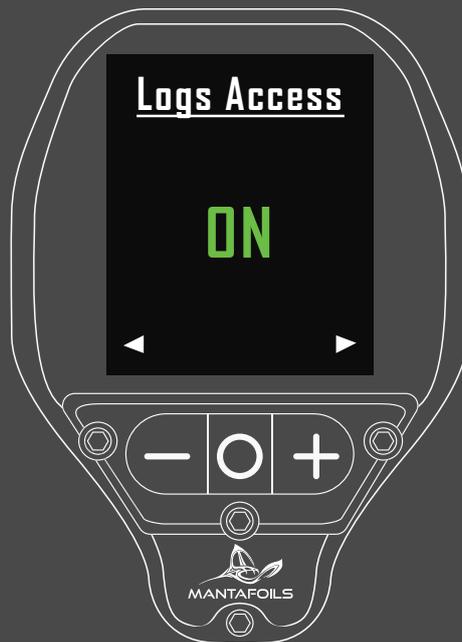
- Press the 'O' button on the remote to reset the system.
- Your remote will automatically restart after the resetting is done.





Navigate to the logs access page by pressing the '+' button nine times from the sub menu page.

- Press the 'O' button to toggle the system On and Off.
- All travel logs are recorded by default.
- Setting it to 'ON' will activate transfer the logs data to the application.
- Setting it to 'OFF' will deactivate the transfer of logs data to the application and restart the remote.





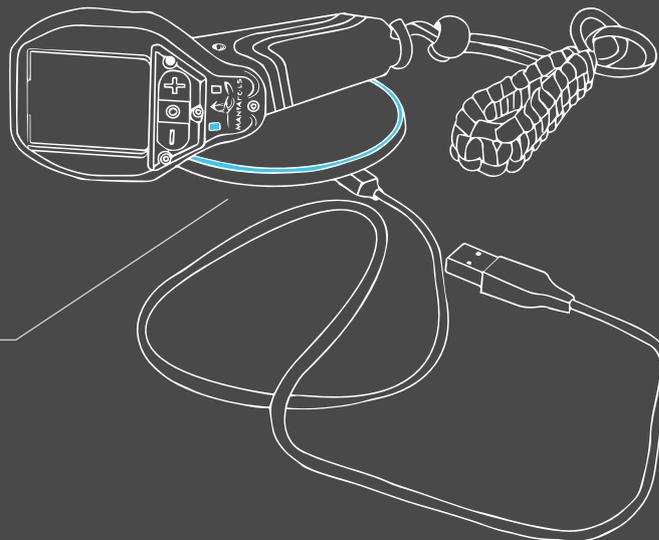
The MantaFoil remote is charged wirelessly. The wireless charger and cable are provided in your Efoil Kit.

- To charge the remote, plug in the wireless charger.
- Place the remote on the wireless charging pad.
- The blue light on the remote and the pad indicate charging in progress.
- The blue light on the remote will turn off once it is fully charged.
- The remote charge must be at least 20% to be able to use for riding.

Charge time : 1.5 hours (approx)



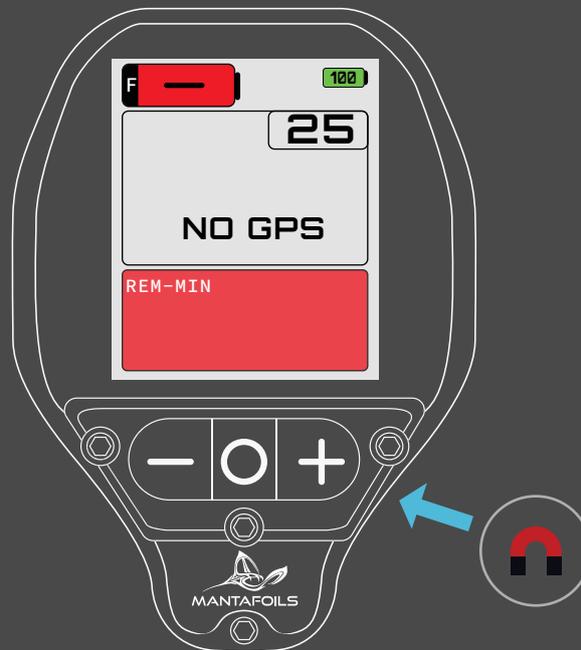
Keep this side towards the wireless charging pad.



Place the remote roughly at a 45 degree angle from the charging cable on the pad as shown in the picture



To hardware reset your remote, place a magnet on the side of the bottom right corner of the remote screen. The remote will power off. You can then restart your remote. This feature is useful in the unlikely case of a software hang or frozen screen.





Common Issues	Suggested Solution
Remote not Pairing	<ul style="list-style-type: none">- Your E-foil may not be powered on. Check Battery Status (Refer to E-foil user manual) and retry.- Ensure the data cable connectors are connected securely and no water has entered in. If you notice traces of water, leave cables out for drying and retry.- Ensure the lid of your board is closed properly.
Remote Screen is stuck	<ul style="list-style-type: none">- Hardware reset your remote.
Remote does not turn ON	<ul style="list-style-type: none">- Ensure your remote is charged and re-try
Cannot connect to Mantafoil wifi for firmware update	<ul style="list-style-type: none">- Read the firmware update section of the user manual. Follow instructions and try again.
Remote not Charging	<ul style="list-style-type: none">- Ensure the instructions in the user manual section remote charging are followed.
Remote Firmware not updating	<ul style="list-style-type: none">- Contact Mantafoil Support team.
Water inside Remote	<ul style="list-style-type: none">- In the unlikely case of water inside the remote, contact Mantafoil Support

If any issues persist with your remote, contact mantafoils support team at sales@mantafoils.com