



QUICK START MANUAL

More documents:
[Instruction Manual](#) | [Blinky/Modified User Guide](#)

THANK YOU!

Thank you for purchasing a Team Orion Brushless ESC based on HMX® Technology. This ESC features some of the latest brushless technologies developed by our world championship winning team. Please read these instructions thoroughly before using the ESC.

WARNING!

This is not a toy, not for children below 14 years of age. It is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision.

1) CONNECT THE ESC TO A DEVICE

In order to calibrate and setup the ESC you need to connect it to one of the following devices:

SMARTPHONES & TABLETS

Android Users:

There is an app for Android devices, which can be downloaded from the Google Play Store. Use the included cable to connect to the ESC.



<https://play.google.com/store/apps/details?id=com.teamorion.hmx>

iOS Users:

An app for iOS® devices is being developed. The optional ORI65193 HMX® BLE module is required to connect to iOS® devices. Visit our website hmstechnology.com for updates and news. In the meantime the PC software can be used to setup the ESC.

Follow these steps if you're using a smartphone

PC (WINDOWS)

You can download a software for Windows computers to setup the ESC. The software is available on the following website:
<http://hmstechnology.com/dl/software.zip>

Follow these steps to connect the ESC to a PC:

- Download the software by typing the above link in your browser.
- Unzip the software.zip file and double click on the file Hmx_Pc_App1.exe
- Follow the on-screen instructions
- Connect the ESC to the PC using a standard Micro USB cable

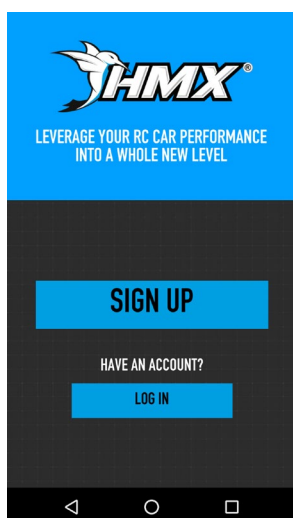
If your PC doesn't detect the ESC, you might need to install USB drivers manually. You can find the drivers on the following website: www.ftdichip.com/Drivers/CDM/CDM21226_Setup.zip

Jump to page 4 if you're using the PC software

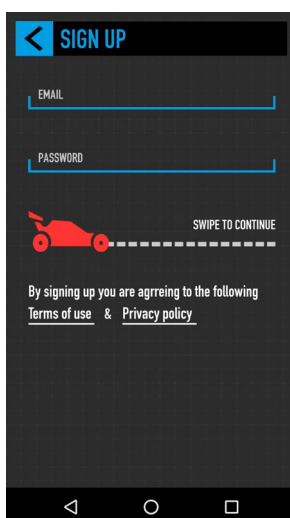
2) FIRST USE OF THE SMARTPHONE APP

Your smartphone needs to have an internet connection when using the app first time.

Connect the ESC with the smartphone using the included HMX cable.

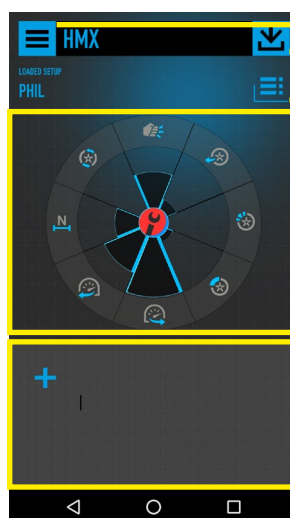


Install the app and open it. Click on Sign Up to create a new user account.



Enter your email and password then drag the car to the right.

ESC Screen (Main Screen)

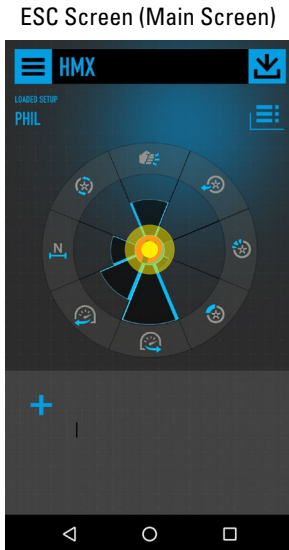


- Tap for firmware upgrade and logout
- Tap to download pro setups
- Tap to see ESC settings summary
- Your settings: tap the wheel to change the settings
- Your setups (empty)

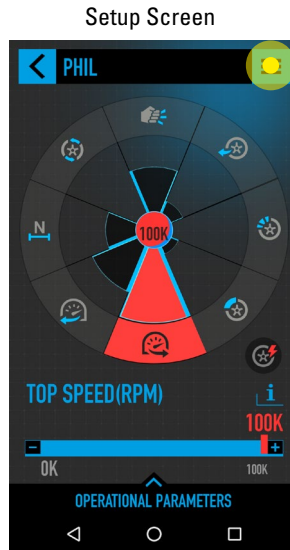
You are now ready to use the app.

3) CALIBRATE THE ESC USING THE SMARTPHONE APP

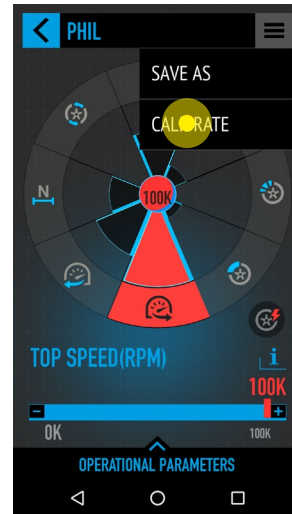
Connect the ESC with the smartphone using the included HMX cable.



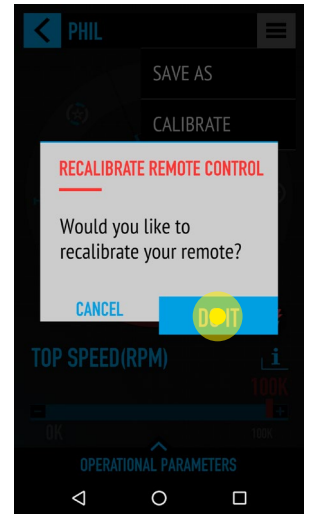
Tap on the center of the wheel.



Open the top right menu



Tap on CALIBRATE



Tap on DO IT

Make sure your ESC is connected and turned on. The wheels of your car must not touch the ground. Center the trims inside the transmitter before proceeding to the calibration.



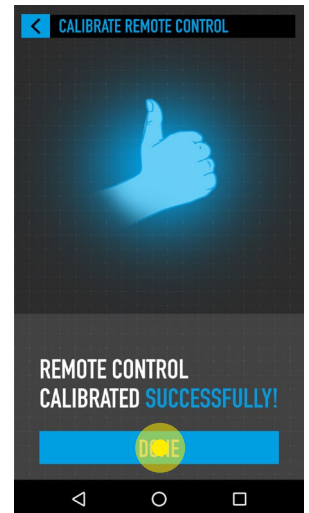
Follow on-screen instructions and tap NEXT



Follow on-screen instructions and tap NEXT



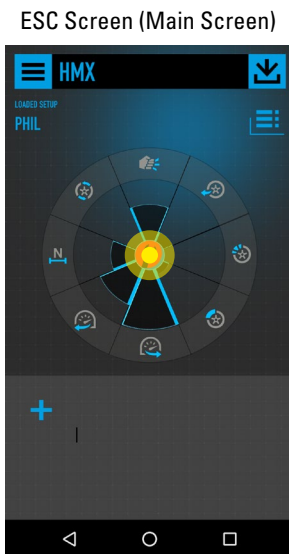
Follow on-screen instructions and tap NEXT



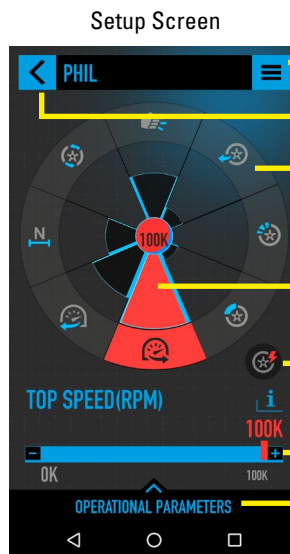
You're done! Tap DONE

4) CHANGE SETTINGS AND CREATE SETUPS USING THE SMARTPHONE APP

Connect the ESC with the smartphone using the included HMX cable.

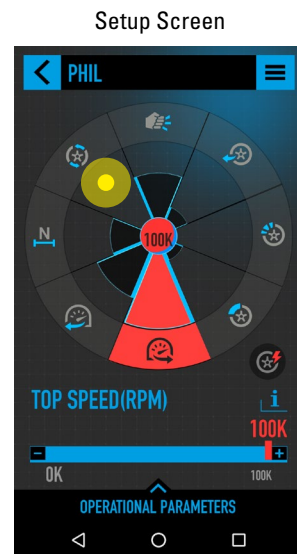


Tap on the center of the wheel.



Overview

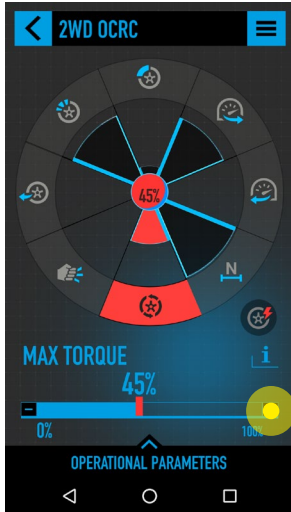
- Tap to save setup or calibrate
- Go to ESC Screen
- Tap to choose parameter
- Active parameter
- Tap for timing settings
- Tap +/- to change setting of active parameter
- Tap for operational parameters (settings which are more seldomly used)



Choose a parameter by tapping on the sector of the wheel

4) CHANGE SETTINGS AND CREATE SETUPS USING THE SMARTPHONE APP

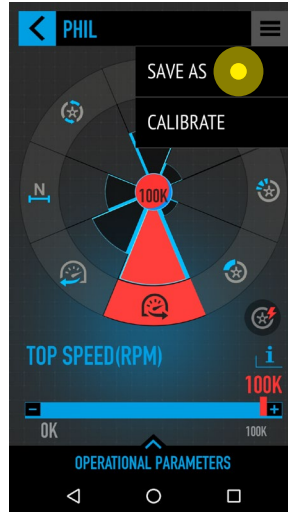
Setup Screen



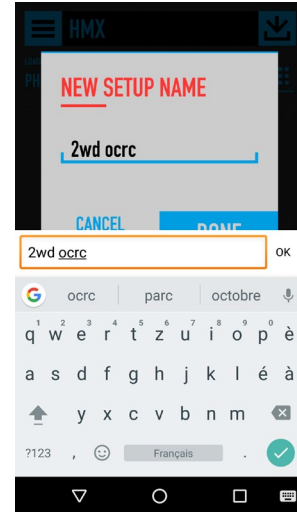
Changes to your ESC settings are instantly saved on your ESC.

Change the value of the parameter by tapping the + and - icons of the slider

Setup Screen



Open the menu on top right and click SAVE AS to save your settings.

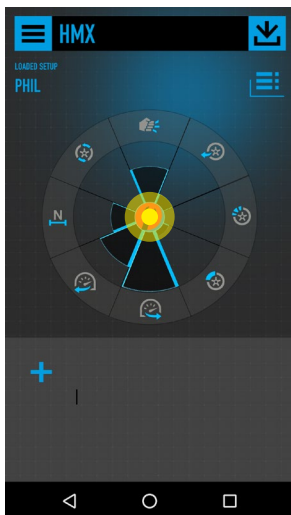


Type a name and tap DONE to save settings and create a new setup

5) CHANGE TIMING SETTINGS

Connect the ESC with the smartphone using the included HMX cable.

ESC Screen (Main Screen)

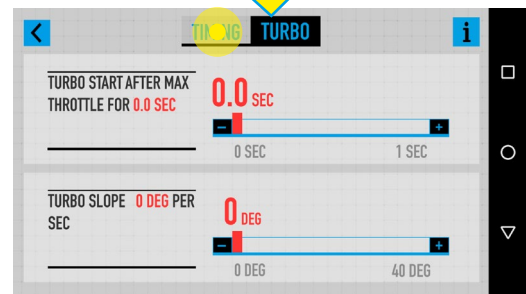


Tap on the center of the wheel.

Setup Screen

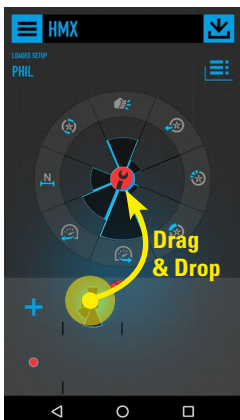


Tap the timing icon

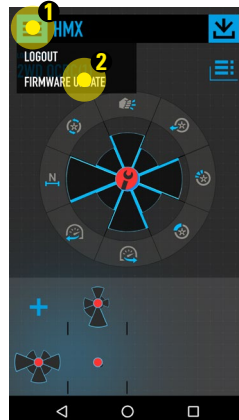


6) OTHER USEFUL FUNCTIONS OF THE SMARTPHONE APP

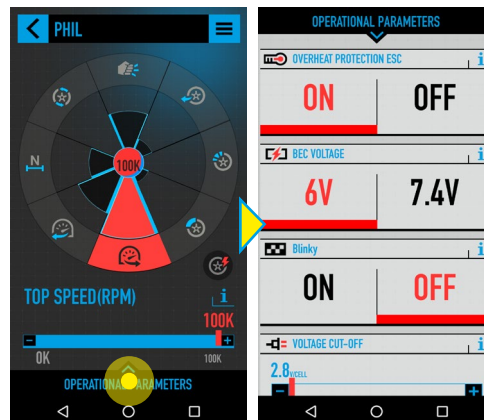
Apply setup on ESC



Install new firmware



Operational Parameters

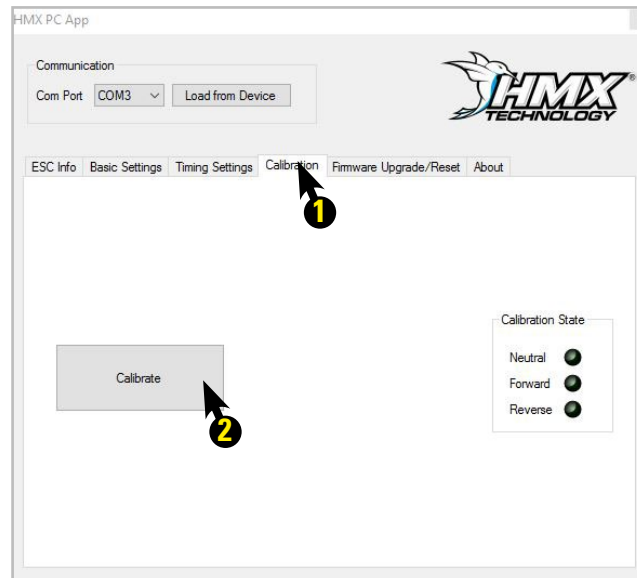


USE THE PC-SOFTWARE (WINDOWS)

1) CALIBRATE THE ESC USING THE PC-SOFTWARE

- 1) Connect the ESC with the PC using a standard micro USB cable.
- 2) Choose the right COM port (only 1 port will work)

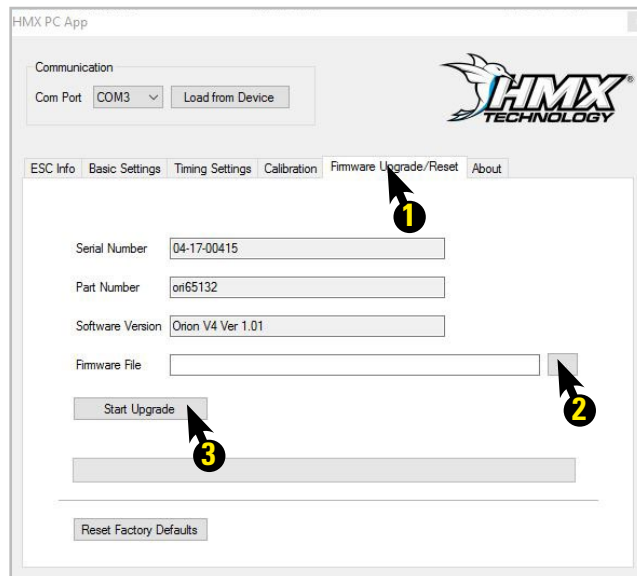
3) Make sure your ESC is connected and turned on. The wheels of your car must not touch the ground. Center the trims and reset all settings inside the transmitter before proceeding to the calibration.



- 1) Click on calibration
- 2) Click on Calibrate
- 3) Follow the on-screen instructions

2) UPDATE THE FIRMWARE USING THE PC-SOFTWARE

- 1) Connect the ESC with the PC using a standard micro USB cable.
- 2) Choose the right COM port (only 1 port will work)



- 1) Click on Firmware Upgrade/Reset
- 2) Choose a firmware file (can be downloaded from hmxtechnology.com once available)
- 3) Click "Start Upgrade"

WARNINGS

- Do not let children use this product without the supervision of an adult.
- Never leave the ESC unsupervised while it is powered on.
- The ESC might get hot during use, be careful when handling it.
- Always disconnect the battery after use, do not store with the battery connected.
- Do not use near flammable materials.
- If the ESC has suspicious reactions, immediately disconnect the battery and discontinue use.

WARRANTY

Team Orion warrants to the original purchaser that the product purchased is free from defects in materials and workmanship at the date of purchase. The purchaser acknowledges that they alone have determined that the product will suitably meet the requirements of the purchaser's intended use. This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of or to any part of the product. This warranty does not cover damage due to improper installation, operation, maintenance or attempted repair by anyone. Team Orion will, at its option, repair or replace any product determined to be defective in the event of a defect, this is the purchaser's exclusive remedy. Replacement decisions are at Team Orion's sole discretion. Team Orion will not be liable for special, indirect or consequential damages, loss of profits or production or commercial loss in any way connected with the product. By the act of use, setup or assembly the user accepts all resulting liability.