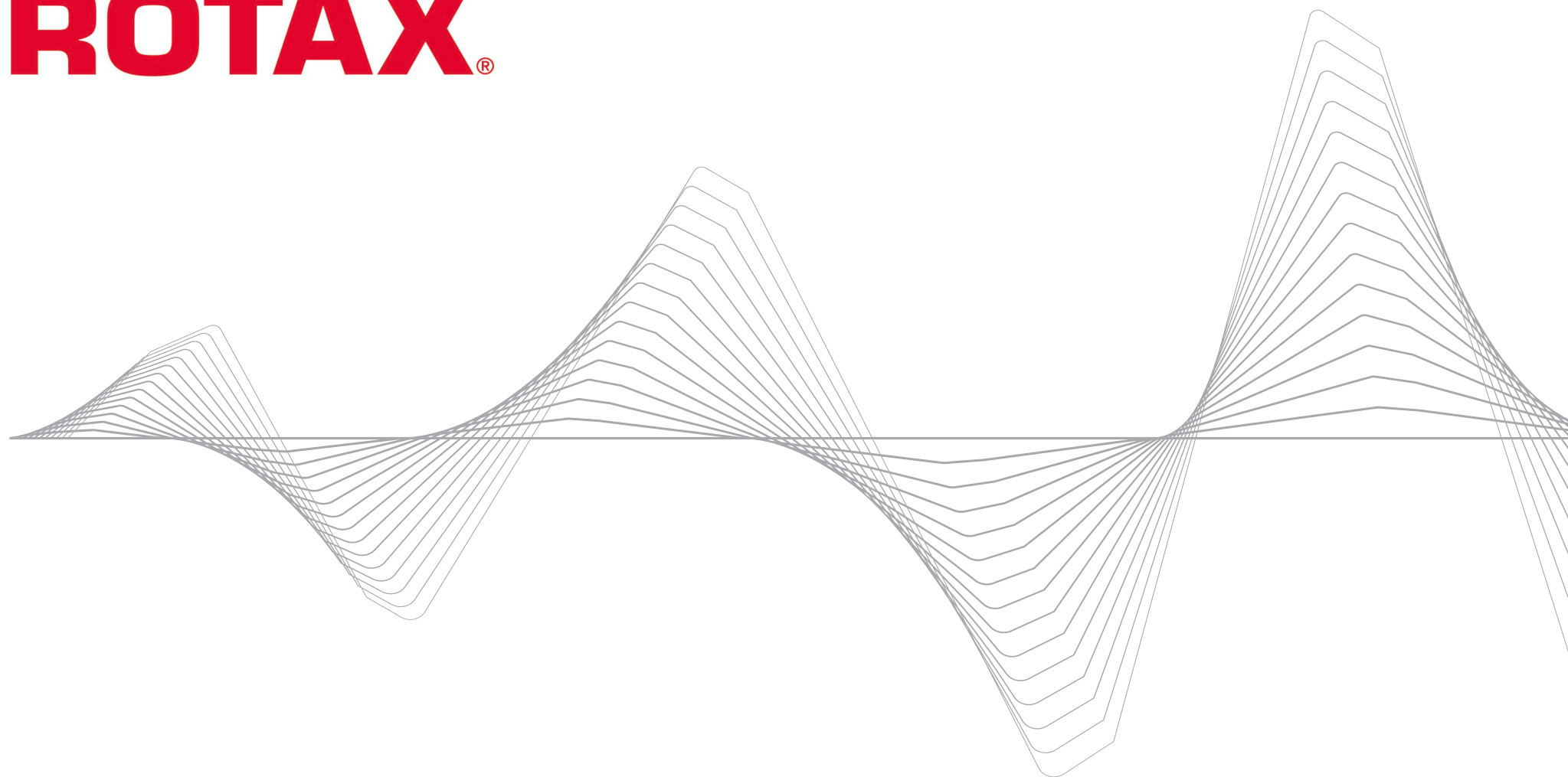


ROTAX®



QUICK START GUIDE ROTAX E10

1. GENERAL INFORMATION

This QUICK START GUIDE is a supplement to the installation and operation manual and is not designed to replace it.

The purpose of this QUICK START GUIDE is to promote understanding of the product and correct application of the information contained, including all referenced documents, will promote correct use.



Before starting any work, the quick start guide, installation manual and additional documents must be carefully read and understood by all target groups.



BRP-ROTAX reserves the right to remove, replace or discontinue any design, specification, feature or other at any time and without incurring obligation to advise such and to errors.



BRP-ROTAX pursues a policy of continuous improvement of its products without imposing upon itself any obligation to retrofit products previously manufactured.



Do not open the covers of the motor, inverter or battery as this will invalidate the warranty.



The methods of disposal described in this manual do not replace local regulations in your country or region.
Dispose of any material according to your local regulations.
All old / used parts, liquids, chemical agents must be disposed of according to local regulations.

1.1 Intended use

- ROTAX E10 is intended for use on kart race tracks complying with short track requirements according to CIK-FIA, for competitive racing purposes only
- ROTAX E10 is intended to fit chassis with a wheelbase of 950 mm and 1010-1070 mm
- Only technically qualified personnel is authorized to mount the ROTAX E10
- Before use, the technical personnel must instruct the racer in the use of the kart. The use of approved protective equipment is mandatory
- Maintenance or replacing of components only permitted with genuine Rotax Spare Parts according to the installation and operation manual

1.2 Responsibilities of the operator and authorized staff

- Compliance with the intended use
- Check the suitability of the operators
- Ensure that only authorized staff may install the ROTAX E10
- Ensure that children are not allowed to work on the ROTAX E10, to remove the battery from the vehicle or charge the battery
- Check the compatibility of the additional parts
- Observe regular maintenance intervals
- Ensure that the procedures comply with the local laws and regulations

1.3 Protecting clothes for drivers

Make sure drivers comply with the following requirements prior to getting into the kart:

- Full-face helmet in the correct size for the driver's head, approved according to national regulation, with strap to secure under the chin, and visor
- Mid-length and long hair must be secured under the helmet and under balaclava
- Closed clothing (no flowing skirts, dresses, coat or equivalent), closed shoes with short lacing
- Jumpsuit / overalls with close cuffs on wrist and ankle , kart gloves, neck protector, rib protector

1.4 Engine registration



Register your product via the link or scanning the QR-Code.

After submitting the registration, it is necessary to confirm your data with the link you receive within a confirmation email. The registration process will activate your product warranty. Failing to register your product prior to first use will void any warranty claim.

The registration must be submitted within 30 days after the date of sale (=date of invoice) from the authorized Service Partner or Dealer to the end customer otherwise the warranty becomes void. The warranty can be revoked by ROTAX without any further notice.

1.5 Product warranty terms and conditions

After successfully submitting the registration, the limited manufacturer's warranty period will automatically start as of the date of sale to the end customer by an authorized ROTAX Service Partner or Dealer. Please consult your local Dealer or Service Partner about the terms and conditions, wear and tear parts and local governmental rules and regulations applicable as these may vary.

1.6 Product documentation



Please use either the links or QR-codes to navigate to the online version of the PRODUCT DOCUMENTATION to view and download all manuals and documents related to your engine: <https://www.rotax-racing.com/manuals>



If you have any questions or concerns regarding any section of the manuals or documentation, please contact an authorized ROTAX dealer, distributor or service partner for assistance or a service partner for assistance.

2. SAFETY INFORMATION

The following safety information must be read carefully of all target groups. Obey the safety instructions and operate with the ROTAX E10 accordingly.

WARNING

Risk of injury due to improper use!

- The tuning of the ROTAX 10 is prohibited
- Never open the components
- Private use or working on electrical components is strictly prohibited
- Each user is responsible for ensuring safety at all times
- Observe the safety and operating instructions carefully
- Never drive under the influence of any drugs, alcohol or in a bad medical condition

WARNING

Risk of electric shock!

- The charger may only be used if the mains supply has an RCD and protective earth
- Visually check the cable for damage before use. Damaged cables must be replaced immediately by authorized personnel
- Switch off the power supply before handling the electric kart
- Perform the grounding in accordance with national regulations by authorized personnel
- Switch off the charger and disconnect the charging cable from batteries before handling the electric kart

WARNING

Risk of injury due to improper charging!

- Use the charger only in a dry area and do not expose it to water or rain
- Use the charger in a well ventilated area
- Use only original ROTAX E10 Charger
- Charge the battery only in a dry area that's fitted with a working smoke detector without flammable materials near
- Do not place charger or battery near flammable materials
- Do not charge your battery unattended or overnight
- Disconnect the charger from the power supply after charging
- Disconnect the cable from charger to the battery after charging

WARNING

Slip hazard due to wet surface!

- The surfaces can get slippery when wet. Racers shall ensure safe entry / exit

WARNING

Risk of injury due to rotating parts!

- Before working on the ROTAX E10, batteries shall be disconnected
- Don't wear loose clothing, a scarf or a tie. The long hair must be knot when working on the ROTAX E10

WARNING

Risk of injury due to parts not tightened correctly!

- Observe the specified tightening torque
- Incorrectly tightened parts can result in functional impairment and can be hazardous (loose, flying parts)

WARNING

Risk of injury due improper use of the battery!

- Use only original ROTAX batteries for the ROTAX E10
- Use the battery only in conjunction with the original ROTAX E10
- For your own safety, do not repair defective or old batteries
- Never open the batteries
- Protect battery against heat, fire and being submerged in water
- Do not store or operate the battery near hot or flammable objects
- When the battery is not used keep away from small metal objects that can make connection from one connector pin to another
- Avoid mechanical loads and exposure to high temperature

WARNING

Risk of fire!

- Flammable material must be stored or placed at an adequate distance from all sources of ignition, direct sunlight, spotlights, and heating devices to assure that the material cannot be ignited or catch fire by either source potentially emitting heat.

WARNING

If the batteries catch fire or start smoking:

- Ensure area is well ventilated
- Ensure that people are evacuated from the danger zone
- If applicable, stop operation of the kart
- Cover the batteries with a bag of fire extinguishing granulate for lithium batteries
- Cool down the batteries with water and suitable fire extinguisher
- If possible, move kart to an open easy-accessible area
- Put the ROTAX E10 in a fire-proof container and wait until the batteries are not smoking anymore
- Start fighting the fire with sand and plenty of water
- Alert the fire brigade
- Consult a doctor if you notice any side effects. The fumes may irritate the respiratory system

WARNING

Risk of injury due to heavy parts!

- Use personal protective equipment for the installation works
- Only authorized staff may work on the components

CAUTION

Risk of injury due to sharp edges!

- Wear gloves during installation work
- Prevent the sharp edges at cable laying

NOTICE

If a battery is defective or no longer in use, the customer should contact the local dealer or sales point to make sure these batteries can be recycled / disposed free of charge for the end-customer.

NOTICE

In case of transport:

- Interrupt the charger
- Disconnect the cables from the batteries
- Ensure the electric kart is securely fastened

3. INSTALLATION AND USE

Tasks prior installation

- Make yourself familiar with the Installation and operation manual and other relevant documents
- Make sure to follow all instructions in the Installation and operation manual when installing and setting up the ROTAX Electric Powertrain E10

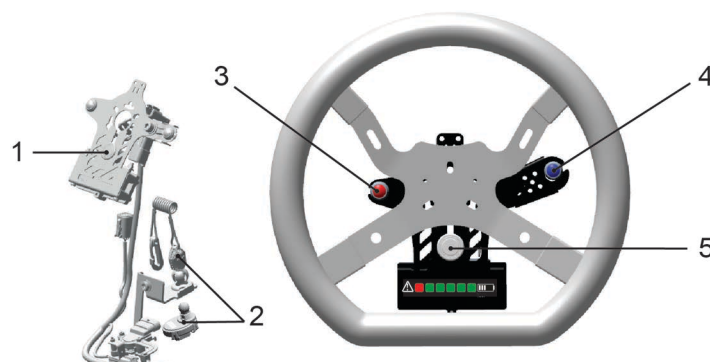
Tasks prior to first use

- Make yourself familiar with and to follow all instructions in the manual
- Make sure to register your drive train and batteries to start the ROTAX limited manufacturer's warranty
- After arriving at the racetrack, charge the batteries
- When the kart is charged sufficient, disconnect it from the charger as described in the chapter CHARGING
- Charge the kart in between stints

Tasks prior transporting and storing

- When transporting and storing the vehicle with the ROTAX E10, it should only be charged to a state of charge (SoC) of 30%.
- After finishing the last session use only the charging storage to limit the SoC to the correct amount for transport and storage

4. KART CONTROL



1. Steering wheel module
2. DESS key Grey with the terminal
3. Reverse button
4. Boost button
5. Start/stop button

4.1 Kart modes

OFF	The kart doesn't respond to any button presses and is deactivated
ON	The kart is active and will respond to user inputs on the steering wheel module
STANDBY	The kart is in STANDBY Mode and can be charged or set into DRIVE Mode
DRIVE	The kart responds to user input on the acceleration pedal

4.2 Kart start up

ON → Connect the DESS key to the terminal

STANDBY → press START/STOP BUTTON for 1 sec.

DRIVE Mode → press REVERSE & BOOST BUTTONS for 3 sec.

From DRIVE Mode to STANDBY → press REVERSE & BOOST BUTTON for 1 sec.

**OFF → Remove DESS Key press or
press START/STOP BUTTON for 3 sec.**



Drive mode is deactivated after 30 seconds of inactivity.



At standing start:
To avoid deactivation of the Drive Mode due to inactivity keep the BOOST BUTTON pressed while the vehicle is stationary.

5. CHARGING



Risk of injury due to fire!

- The charger must only be used in combination with a RCCB (Residual Current operated Circuit-Breaker) installed in the electrical infrastructure of the facility
- Ensure that an automatic fire alarm system is installed
- Local laws and regulations must be observed



Risk of injury due to improper charging!

- Use the charger only in a dry and well ventilated area, that's fitted with a working smoke detector without flammable materials near
- Do not expose it to water or rain
- Use only original the ROTAX E10 Charger
- During the charging process, fans must be installed on top of the battery and connected to the charger to cool the battery
- Do not charge your battery unattended or overnight
- Disconnect the charger from the mains after charging
- Disconnect the cable from charger to the battery after charging

NOTICE

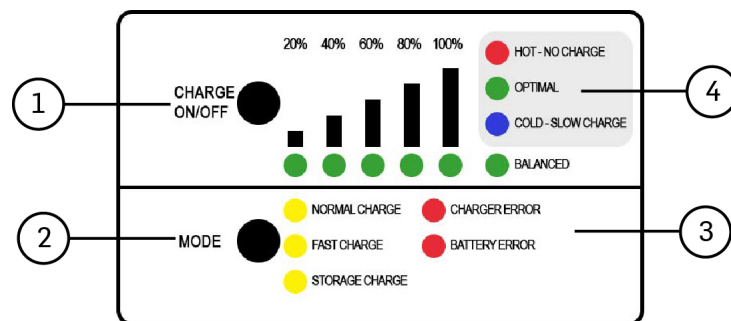
Charge level

- Do not completely empty your battery and preferably keep the charge level between 20 and 80%
- For storage and transport use the storage charge function. For storage keep the charge level of 30%



Before charging, check that the power supply is sufficient for the load. Otherwise you must not charge due to product damage and injuries. Check which power output the power source you are using is capable of and choose the charging mode corresponding.

5.1 Charger interface



1. ON/OFF BUTTON

Starts and stops the charging process

2. MODE BUTTON

Used to switch in between charging modes

3. CHARGING STATUS

The indication lights in the charging status section provide information about the charging mode and display possible errors

4. BATTERY STATUS

The indication lights in the battery status section provide information about state of charge (SoC) and temperature of the batteries

Downloads

ROTAX TRAX APP

ROTAX GLOBAL APP



Make sure to check out your YouTube channel to find videos about the latest technical updates, tips and tricks as well as behind the scenes videos from racing events around the world by scanning the following QR code on the left side.