



M8AC

ToolkitRC · multifunctional AC/DC charger 200/600 W
User manual



Read the entire manual carefully before first use, especially the safety instructions in chapter 1. Keep the manual for future reference.

Manufacturer: ToolkitRC Technology (Shenzhen) Co., Ltd · www.toolkitrc.com
Importer and responsible person in the EU: Rotorama, s.r.o. · www.rotorama.cz

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1. Introduction and safety

1.1 Introduction

Thank you for purchasing the M8AC balance charger. Please read this manual carefully before use.

This manual uses three kinds of highlighting: **Tips** (practical advice), **Important** (a warning which, if ignored, may lead to damage or injury) and **Information** (additional explanation).

To ensure you have the best experience with this product, follow the manufacturer at www.toolkitrc.com and on Facebook @ToolkitRC to stay up to date with news, information and firmware updates for your charger.

1.2 Safety

Important: charging and discharging batteries involves a risk of fire. Always follow the instructions in this chapter.

- ① The charger allows an input voltage of **DC 7-35 V** or **AC 100-240 V**. Ensure the charger is only connected to a suitable power source and observe correct polarity.
- ② Do not use this product in hot, humid, flammable or explosive environments.
- ③ Do not use this charger without supervision. **Never leave charging batteries unattended.**
- ④ When not using this product, unplug the input power.
- ⑤ When using the charging function, set a current that matches the battery. Do not set an excessive charging current, to avoid damaging the battery. Check the guidelines of your battery's manufacturer for correct charging instructions.

► General rules for the charger and batteries

- Charge only **rechargeable** batteries of the supported types. Never charge primary (non-rechargeable) batteries – they may explode or leak electrolyte.
- Do not charge batteries that are mechanically damaged, swollen, overheated or that have suffered an impact. Let a battery cool down to ambient temperature after use before charging it.
- Place the charger and the battery on a non-flammable surface, away from flammable materials. For LiPo batteries we recommend a fireproof bag or box.
- The charger is intended **for indoor use only**. Do not expose it to rain or moisture.
- Do not cover the ventilation openings or the fan at the back, and leave free space around the charger for air flow.
- **Lead-acid (PB) batteries:** explosive gases may be released during charging. Prevent flames and sparks and provide adequate ventilation. Switch off the charger's power supply before connecting or disconnecting the battery.

- In *Recycle* discharge mode, energy is returned to the battery that powers the charger. Set the maximum input voltage carefully (chapter 4.5), otherwise the supply battery may be overcharged.
- Do not open or modify the charger. There are no user-serviceable parts inside.
- This product is not a toy. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

1.3 Cleaning and maintenance

- Before cleaning, disconnect the charger from the power supply and from the battery.
- Wipe the surface with a dry soft cloth. Do not use solvents or detergents and do not let any liquid enter the device.
- Keep the ventilation openings and the fan grille clean and free of dust.
- Check the connectors regularly. Do not continue to use a damaged connector or cable.

2. Product description

2.1 Features

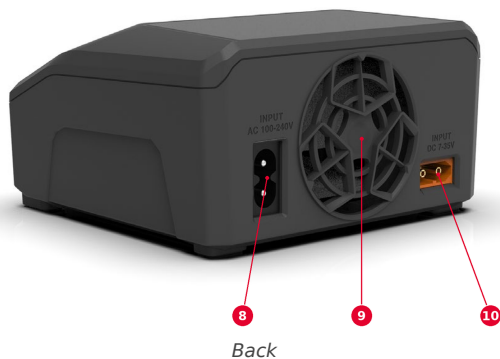
The M8AC is a multifunctional tool that integrates functions such as a balance charger and discharger, a signal measuring device and a signal source.

- Supports AC or DC dual input.
- Charges, discharges and balances (where applicable) LiPo, LiHV, LiFe, Li-Ion and LTO 1-8S, NiMH 1-20S and PB 1-12S batteries.
- Charge current max. 20 A, max. 600 W.
- Discharge current: *Recycle* max. 20 A / 600 W, internal mode max. 3 A / 20 W.
- USB-C fast-charger output max. 20.0 V / 65 W.
- Lithium battery cut-off voltage can be adjusted at will (TVC function).
- Measures battery voltage and battery internal resistance, and balances lithium packs automatically.
- Measures and outputs standard PWM, PPM and SBUS signals with an accuracy of 1 μ s.
- Constant-current and constant-voltage source output, customizable 1-35 V constant voltage and 0.5-20 A constant current.
- Can be used for charging consumer-grade drone batteries.
- Multi-language user interface.
- Easily upgradable via USB.

2.2 M8AC layout



- ① Display
- ② **[Exit]** button
- ③ Scroll wheel (rotate and press)
- ④ Output port (battery connection)
- ⑤ Signal port
- ⑥ Balance port
- ⑦ USB-C output



- ⑧ AC input (mains)
- ⑨ Cooling fan
- ⑩ DC input

2.3 Specifications

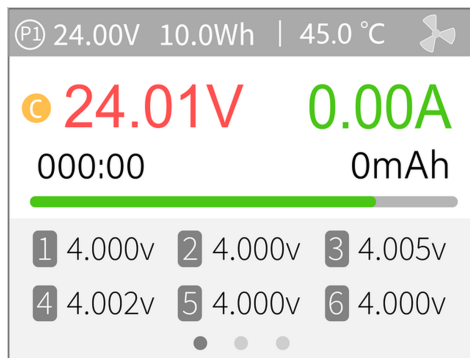
Parameter		Value
Input	AC	100–240 V, max. 2.5 A
	DC	7–35 V, max. 25 A
Charge	Battery type	LiPo, LiHV, LiFe, Li-Ion, LTO 1–8S NiMH 1–20S, PB 1–12S
	Balance	1000 mA at 4.2 V
	Accuracy	< 0.005 V
	Power	0.1–20 A; max. 600 W (DC) / 200 W (AC)
Discharge	Recycle	0.1–20 A, 600 W
	Internal	0.1–3 A, 20 W
USB-C	Output	max. 20.0 V / 65 W
Voltage		1.0–5.0 V, 1–8S
Internal resistance		0.1–99 mΩ, 1–8S
Measure	PWM	880–2200 μs, 20–400 Hz
	PPM	880–2200 μs × 8 CH, 20–50 Hz
	SBUS	880–2200 μs × 16 CH, 20–100 Hz
Output	PWM	500–2500 μs, 20–1000 Hz
	PPM	880–2200 μs × 8 CH, 50 Hz
	SBUS	880–2200 μs × 16 CH, 74 Hz
	Power	0.5–15 A, 1–28 V, mode CC + CV
Display		LCD IPS 2.0", 320 × 240 px
Product	Size	108 × 113 × 62 mm
	Weight	500 g
Packing	Size	136 × 153 × 67 mm
	Weight	600 g

2.4 Package contents

- M8AC charger
- mains cable
- USB cable
- display cover

3. Quick start

- ① Connect a 7–35 V DC or AC 100–240 V power supply, or a battery/power bank, to the input port on the back of the M8AC.
- ② The display shows the boot logo, which stays for 2 seconds.
- ③ A welcome sound (voice pack dependent) is played simultaneously.
- ④ After booting up, the screen enters the main interface as shown below:



Main interface

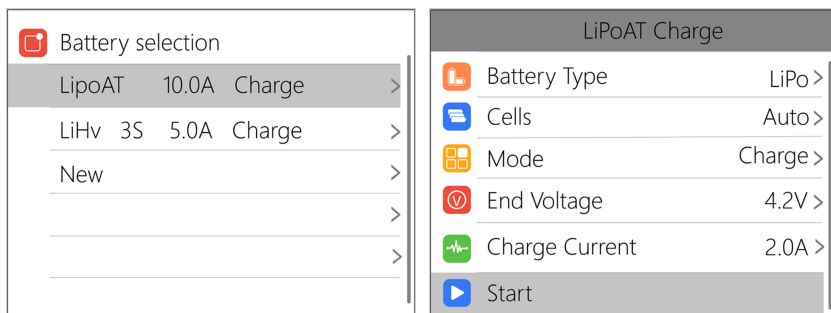
- ⑤ Press and hold **[Exit]** to enter the auxiliary function interface.
- ⑥ Rotate the scroll wheel to switch between pages.
- ⑦ With the charger idle, short press the scroll wheel to set the charging parameters. Short press the scroll wheel during the charging process to adjust the current or stop the charge process.
- ⑧ With the charger idle, press and hold the scroll wheel to enter the system setting interface.
- ⑨ Short press **[Exit]** to return to the previous interface.

4. Charge and discharge settings

In the main interface, short press the **[Scroll Wheel]** to enter the charging function. If the *Battery selection* option is enabled in the system settings, the following interface will be displayed:

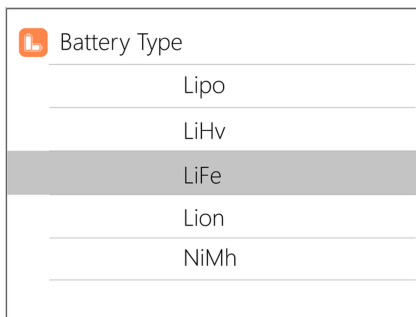
4.1 Battery type setting

Rotate the scroll wheel and select one of the presets, or create a new battery (*New*). Up to 32 battery files can be created. Short press the scroll wheel to enter a specific battery setting:



Battery selection (left) and battery setting (right)

Move the cursor to *Battery Type* and short press the scroll wheel to modify the battery type:



Battery type

The charger supports charging and discharging of these battery types: LiPo, LiHV, LiFe, Li-Ion, LTO, NiMH and PB. There is also a smart (drone) battery mode to choose from. After selecting the battery type that matches the battery on charge, short press the scroll wheel and **[Exit]** to save and return to the main interface.

Warning:

- ① Ensure the correct battery type has been selected prior to charging. An incorrect choice may damage the battery and/or become a fire hazard.
- ② Do not use this product to charge non-compatible battery chemistries.

Glossary of battery terms

Type	Description	Nominal voltage	Fully charged
LiPo	lithium polymer battery	3.70 V	4.20 V
LiHV	high-voltage lithium battery	3.85 V	4.35 V
LiFe	lithium iron phosphate battery	3.30 V	3.60 V
Li-Ion	lithium-ion battery	3.60 V	4.10 V
LTO	lithium titanate battery	2.40 V	2.70 V
NiMH	nickel-metal hydride battery	1.20 V	—
PB	lead-acid battery	2.00 V	—

Voltages are given per cell.

4.2 Cell setting

Move the cursor to *Cells* and short press the scroll wheel to modify the number of cells:

 Cells

1 S
2 S
3 S
4 S
5 S

Number of cells

Rotate the scroll wheel to adjust the value. When set to *Auto*, the charger automatically identifies the number of cells by checking the total voltage against the balance port data. Short press the scroll wheel and **[Exit]** to take effect and return to the previous interface.

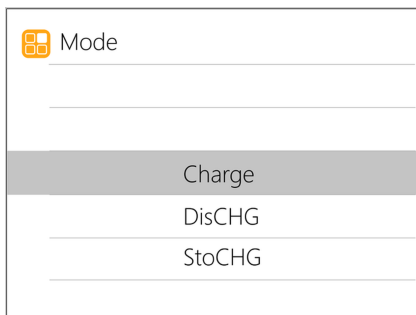
Tips:

- ① If the connected battery is over-discharged or over-charged, the cell count may be detected incorrectly. In that case, set the number of cells manually.

- ② If the cell count is set incorrectly, it may lead to overcharging, which presents a fire risk.
- ③ The cell count can be determined more accurately if the balance port is connected.

4.3 Work mode

Move the cursor to *Mode* and short press the scroll wheel to modify the work mode:

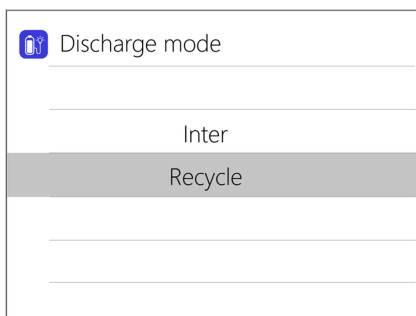


Work mode

LiPo, LiHV, LiFe, Li-Ion and LTO batteries can be charged, discharged, stored or destroyed (fully discharged). NiMH batteries can be charged, discharged, cycled or destroyed. PB batteries can be charged, discharged or destroyed. Short press the scroll wheel and **[Exit]** to take effect and return to the previous interface.

4.4 Discharge mode

Under discharge, storage and cycle modes, the discharge mode option appears. Move the cursor to *Discharge Mode* and short press the scroll wheel to modify the discharge mode:



Discharge mode

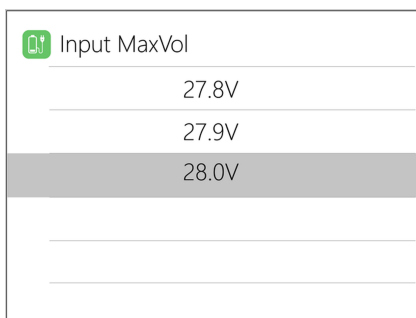
The charger supports 2 discharge modes:

- ① **Normal mode** (*Inter*): discharge using internal heat dissipation, max. 3.0 A / 20 W.
- ② **Recycle mode**: when a battery is used as the input, the energy is recovered to the input-side battery, max. 20.0 A / 600 W.

To display and activate Recycle discharge mode, first enter the setup page (press and hold the scroll wheel on the main interface) and set *Power type* under *Input settings* to *Battery*.

4.5 Max input voltage

When Recycle discharge mode is selected, the max input voltage option appears. Move the cursor to *Input MaxVol* and short press the scroll wheel to adjust it. If the input voltage reaches this value during discharge, the discharge will stop.



Max input voltage

Tip:

Set the max input voltage to the highest protection voltage of the power supply (battery). When this voltage is reached, the charger automatically stops recycle discharging. Setting too high a voltage may damage the input power source.

4.6 End voltage setting (TVC)

Move the cursor to *End Voltage* and short press the scroll wheel to modify the end voltage of the individual cells.

When charging, it is the charge cut-off voltage, which can be set within ± 50 mV of the full voltage. When discharging, it is the discharge cut-off voltage. Rotate the scroll wheel to adjust the value, step 0.01 V.

	End Voltage
	4.18V
	4.19V
	4.20V
	4.21V
	4.22V

End voltage

Information:

- ① Only LiPo, LiHV and LiFe batteries allow the cut-off voltage to be set.
- ② Do not modify the cut-off voltage if you are not familiar with the battery characteristics.
- ③ The charge cut-off voltage can be set within ± 50 mV of the full voltage.
- ④ TVC stands for *Terminal Voltage Control*.

4.7 Current setting

Move the cursor to *Charge Current* or *DisCHG Current* and short press the scroll wheel to modify the current. Rotate the scroll wheel to adjust the value in steps of 0.1 A; rotate quickly to increase or decrease faster. The charger supports up to 20.0 A.

	DisCHG Current
	1.8A
	1.9A
	2.0A
	2.1A
	2.2A

Current setting

Tips:

- ① Set a charge rate of 1-2 C according to the battery capacity. For example, if the battery capacity is 2000 mAh, set the charge current to 2.0-4.0 A.
- ② The charge/discharge current is only valid in the corresponding work mode.
- ③ For the discharge mode setting, refer to chapter 7.1 *System settings*.

4.8 NiMH setting (PeakV)

When the battery type is NiMH, the peak voltage drop that indicates a fully charged battery can be set within 5–15 mV:

	Nixx Peak
	5mv
	6mv
	7mv
	8mv
	9mv

NiMH full-charge detection

Tip:

This function is only available for NiMH cells. PeakV is the maximum voltage drop per cell when the nickel-metal hydride battery is fully charged.

4.9 Cycle setting

When the battery type is NiMH and cycle mode is selected, the *Cycle times* and *Rest time* options appear:

NiMHAT Cycle		
	Nixx Peak	5mV >
	Charge Current	2.0A >
	DisCHG Current	2.0A >
	Cycle times	2 >
	Rest time	2Min >
	Start	

NiMH cycle setting

Move the cursor to *Cycle times* and short press the scroll wheel to set the number of cycles within 2–12. The charger follows the pattern discharge → charge → discharge → charge...; one “discharge → charge” counts as 2 times.

Move the cursor to *Rest time* and short press the scroll wheel to set the rest time between cycles within 2–10 minutes.

 Cycle times 2 3 4 5 6	 Rest time 2Min 3Min 4Min 5Min 6Min
--	---

Cycle times (left) and rest time (right)

4.10 Smart battery setting

When a drone battery (*UAVbat*) is selected as the battery type, there are only two options: drone type (*Drone model*) and max current (*Max Current*).

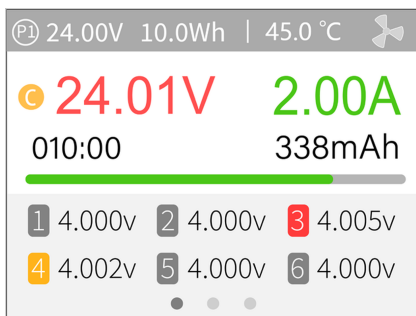
UAVbat  Battery Type UAVbat >  Drone model Mavic2 >  Max Current 3.8A >  Start	 Drone model Mavic2 17.6V MavicS 13.05V Phantom 17.4V Inspire 26.1V
---	---

Drone battery setting (left) and drone model selection (right)

Move the cursor to *Drone model* and short press the scroll wheel to select the drone model. Then move the cursor to *Max Current* and short press the scroll wheel to set the charge current within 0.5–20 A.

5. Charge and discharge work

When charging or discharging starts, the charger enters the following interface. Rotate the scroll wheel to toggle between three pages.

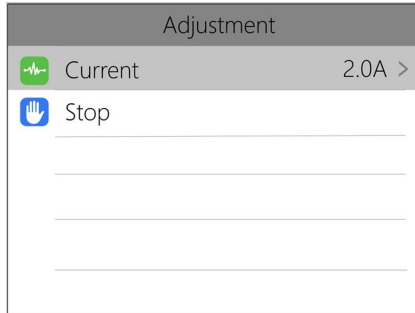


Page 1 – overview

P1	power preset selected in the system settings
24.00V	input voltage
10.0Wh	accumulated energy consumption
45.0 °C	internal temperature of the charger
V / C	constant voltage / constant current sign
24.01V	main port voltage
2.00A	main port current
010:00	working time
338mAh	charged capacity
1 4.000v	voltage of the first cell (and so on)
-.---v	no cell connected

5.1 Adjusting current and stopping

Short press the scroll wheel to change the charge current (*Current*) on the fly or to stop charging (*Stop*):



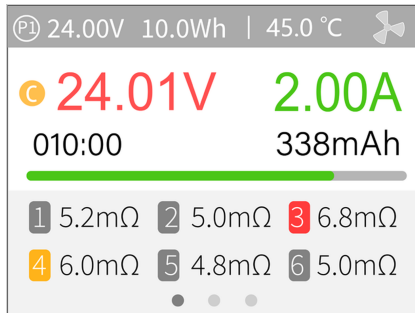
Adjust current or stop

To end the charge or discharge process, short press the scroll wheel, move the cursor to *Stop* and short press again. Charging stops and the main interface is displayed.

When charging is complete or a charge error occurs, a pop-up appears along with an audible tone.

5.2 Internal resistance

Rotate the scroll wheel to switch to the second page, which shows the internal resistance information:

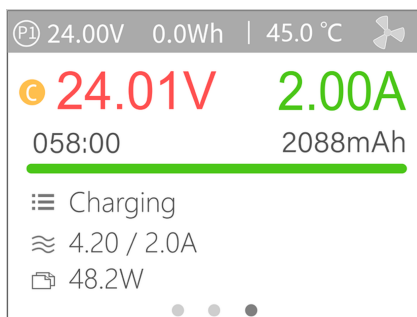


Page 2 – internal resistance

- **1 5.2mΩ** – internal resistance of the first cell (and so on),
- **T:32mΩ** – total internal resistance.

5.3 General information

Rotate the scroll wheel further to switch to the third page, which shows general information:



Page 3 – general information

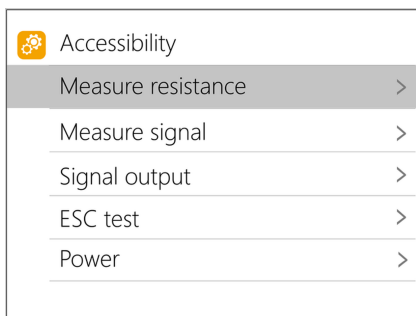
- **Charging** – current status,
- **4.20 / 2.0A** – end voltage / charge current,
- **48.2W** – current charging power.

Tips:

- ① When charging and discharging, never leave the cells unattended.
- ② When charging and discharging lithium batteries, balancing only occurs if the balance plug is connected. The charger automatically balances each cell if a balance plug is detected.
- ③ Charging automatically starts for the next battery if the first battery is disconnected after being fully charged. If a fixed number of cells is set, ensure that the next battery has the same cell count. If set to *Auto*, make sure that the detected cell count is correct.

6. Accessibility

Press and hold **[Exit]** on the main interface to enter the auxiliary function interface (*Accessibility*):



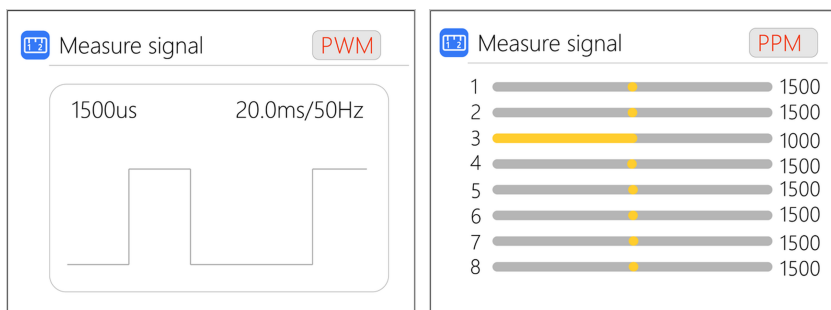
Auxiliary functions

6.1 Measure resistance

Select *Measure resistance* and short press the scroll wheel to test the internal resistance of the connected battery; the main interface is then displayed.

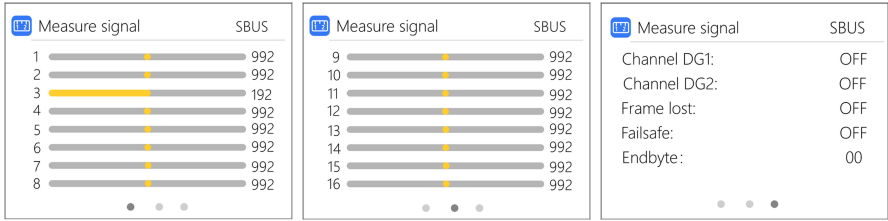
6.2 Measure signal

Move the cursor to *Measure signal* and short press the scroll wheel to enter the signal test interface. Rotate the scroll wheel to select the signal type – PWM or PPM:



PWM (left) and PPM (right) measurement

When SBUS is selected, short press the scroll wheel to display channels 1–8, channels 9–16 and the overall status:



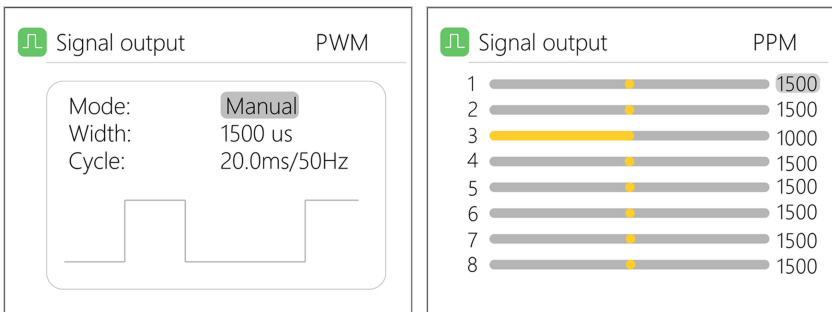
SBUS measurement: channels 1-8, channels 9-16 and overall status

6.3 Signal output

Move the cursor to *Signal output* and short press the scroll wheel to enter the signal output interface. Rotate the scroll wheel to select the signal type, e.g. PWM. Rotate the scroll wheel to move the cursor to *Manual* and short press to set the output mode: *Manual*, *Auto 1*, *Auto 2* or *Auto 3*. In manual mode, you can change the pulse width and cycle values using the cursor. When set to Auto 1, 2 or 3, the pulse width of the PWM output changes automatically at 3 different speeds.

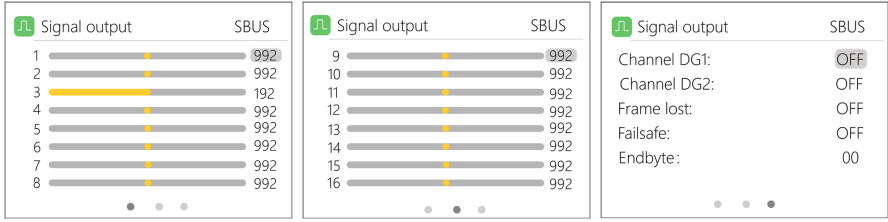
The width can be set from 800 to 2200 μ s; the cycle can be set from 2.5 ms (400 Hz) to 50.0 ms (20 Hz).

When PPM is selected, rotate the scroll wheel to move the cursor to the value of the channel to be modified, and short press the scroll wheel to modify the output pulse width of this channel.



PWM (left) and PPM (right) output

When SBUS is selected, rotate the scroll wheel to move the cursor to the value of the channel to be modified, and short press the scroll wheel to modify the output pulse width of this channel:



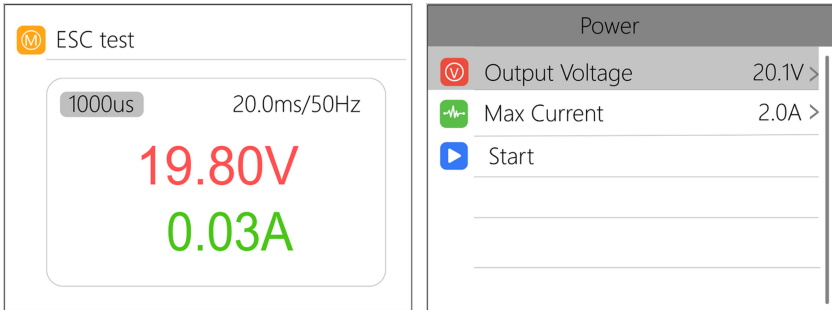
SBUS output: channels 1-8, channels 9-16 and status flags

6.4 ESC test

Select *ESC test* with the cursor and short press the scroll wheel to enter the ESC (electronic speed controller) test mode. Rotate the scroll wheel to move the cursor to pulse width or cycle, and short press the scroll wheel to change the corresponding value.

6.5 Power

Select *Power* with the cursor and short press the scroll wheel to enter the adjustable power supply. The voltage and current of the output can be set at will. Move the cursor to *Start* and short press the scroll wheel to start the power output; the main interface is displayed.



ESC test (left) and power supply setting (right)

7. System settings and other functions

7.1 System settings

Press and hold the scroll wheel on the main interface to enter the system setting interface (*Setup*). Short press to expand the individual settings groups.

Setup		
	Input settings	▼
	Security settings	▼
	Personalization	▼
	Battery selection	OFF
	Continuous	OFF
	Work completed	Trickle

Setup		
	Input settings	▼
	Power select.	Auto 
	Power type	Adapter
	Max power	90W
	Max current	12.0A
	Voltage range	7.0 - 24.0V

System settings (left) and Input settings (right)

► Input settings – input power related settings

- **Power select.** – preset power 1, power 2, power 3.
- **Power type** – choose between battery pack (*Battery*) and adapter (*Adapter*). For battery packs Recycle mode is enabled, for adapters it is disabled.
- **Max power** – maximum wattage allowed via the input port during charging.
- **Max current** – maximum current allowed via the input port during charging.
- **Voltage range** – input voltage range.

Setup		
	Input settings	▼
	Security settings	▼
	Safe inter Temp.	70°C
	Safe Exter Temp.	50°C
	Safe time	200Min
	Safe capacity	20Ah

Setup		
	Personalization	▼
	Backlight	10
	Operation volume	Low
	Announce volume	Medium
	Warning volume	High
	Language	English
	Theme style	Light

Security settings (left) and Personalization (right)

► Security settings

- **Safe inter Temp.** – charging stops when the temperature of the device exceeds this value.
- **Safe Exter Temp.** – charging stops when the ambient temperature exceeds this value.

- **Safe time** – maximum time limit for continuous charging/discharging.
- **Safe capacity** – maximum accumulated capacity for one charging/discharging session.

► Personalization

- **Backlight** – display backlight brightness, can be set from 1-10.
- **Operation volume** – can be set to 0-10. When set to 0, the device operates silently.
- **Language** – system display language (English, Chinese, etc.).
- **Theme style** – light or dark theme.

Setup		
	Personalization	▼
	Backlight	10
	Operation volume	Low
	Language	English
	Theme style	Light
	Battery selection	OFF

Further system settings

► Other items

- **Battery selection** – shows or hides the frequently used battery files. Disabled by default.
- **Continuous** – enables/disables continuous charging/discharging with the same settings after battery replacement. Default setting is *OFF*.
- **Work completed** – whether to stop or trickle charge (*Trickle*) after the charge is complete. The default is no trickle.
- **Balance start Vol** – balance cells prior to full-current charge.
- **Default** – restore factory settings.
- **ID** – independent ID for each device.

7.2 Firmware upgrade

Connect the M8AC to a computer with the USB cable in the box; the computer will recognize a USB drive named *Toolkit*. Download the upgrade file *app.upg* from the official ToolkitRC website and copy it to the drive (overwrite the existing files) to upgrade the firmware.

7.3 USB-C output

The USB-C port supports 20.0 V / 65 W output to charge mobile devices.

7.4 Automatic continuation of charging/discharging

When a battery is fully charged, connect the next battery – the device automatically continues charging or discharging. You can enable and disable this function in the system settings (*Continuous*).

7.5 Fan

When the internal temperature of the device reaches 40 °C, the fan starts and its speed increases linearly with temperature. With AC input and an input power above 100 W, the fan runs at full speed.

7.6 Manual voltage calibration

With the M8AC powered off, press and hold the scroll wheel and, without releasing it, connect the power supply – the system enters the manual voltage calibration mode. Use a voltmeter to measure the actual voltage of each cell, move the cursor to the corresponding voltage value and modify it to match the voltmeter reading. After calibration, move the cursor to save and short press once; one beep confirms that the values were saved. Exit or switch off after calibration.

7.7 Full charge mode

When a lithium battery is fully charged, the message *Fast charge complete* is displayed. If the battery is not removed, the charger trickle charges it until it is disconnected.

8. Information for the EU and Czech Market

EU regulations apply in all member states, but national implementing rules – for example on the take-back of electrical equipment or on consumer rights – differ from country to country. Chapters 8 and 9 describe the situation in the Czech Republic. If you use the product in another country, follow the regulations of the country in which you use it.

8.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorاما.cz
Phone	+420 252 252 098
Website	www.rotorاما.cz

8.2 Product conformity



- The product bears the **CE** marking and complies with the requirements of the applicable European Union harmonisation legislation.
- A copy of the **EU Declaration of Conformity** is available from the importer at the address stated above or at the e-mail address info@rotorاما.cz.
- **Product identification:** the type designation (M8AC) is given on the device; the unique identification number of the device can be found in the system settings under *ID* (chapter 7.1).

8.3 Disposal of electrical equipment



- The crossed-out wheeled bin symbol on the product, its packaging or in the documentation means that at the end of its service life the product **must not be disposed of together with mixed municipal waste.**
- Hand it over at a take-back point for electrical equipment – at a collection yard, at a take-back point of a collective system, or at the retailer when purchasing a new equivalent product. Take-back is free of charge for the end user.
- The obligations under Act No. 542/2020 Coll., on end-of-life products, are fulfilled by the importer through a collective take-back system.
- Proper disposal helps prevent negative impacts on the environment and human health and contributes to the reuse of secondary raw materials.

Through its contractual partner **ASEKOL a.s.**, the company ensures the take-back of waste electrical equipment from households and the separate collection of waste electrical equipment, batteries and accumulators in accordance with the applicable legislation. The customer is entitled to hand over old electrical equipment or a battery or accumulator at any collection point of the above contractual partner. The addresses of these take-back points are listed at www.asekol.cz, www.ecobat.cz and also <https://visoh2.mzp.cz/RegistrMistZO/RegistrMistZOPublic/MapaMistZpetOdberu>.

9. Warranty and rights arising from defective performance

Rights of the buyer under Czech law

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 8.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.