M7AC

Multifunctional charger AC 100 W / DC 300 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 · Importer: Rotorama, s.r.o. · www.rotorama.cz

Contents

1. Safety instructions

The charger works with high currents and with batteries that can cause a fire if handled incorrectly. Read the entire manual before first use and follow the instructions below.

1.1 Manufacturer's instructions

① The charger allows an input voltage of **DC 7–28 V** or **AC 100–240 V**. Ensure the charger is only connected to a suitable power source and with the 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 damage to the battery. Check the guidelines of your battery's manufacturer for correct charging instructions.

1.2 General rules for safe charging

- Charge only rechargeable batteries of the types supported by the charger (chapter 4.1). **Never charge non-rechargeable (primary) cells** – they may burst or catch fire.
- Charge on a non-flammable surface, away from flammable materials, ideally in a fireproof LiPo bag. Keep a suitable fire extinguishing agent at hand.
- Do not charge damaged, swollen, deformed or overheated batteries. Let a battery cool down after a flight before charging it.
- Charge lead-acid (Pb) batteries in a well-ventilated place – they may release gases during charging.
- Use the charger only in dry indoor areas. Protect it from moisture, dust, direct sunlight and impacts.
- Do not cover the cooling fan on the back of the device.
- Do not use a damaged mains or connecting cable. Do not open or modify the device.
- The product is intended for persons aged 14 and over. The charger is not a toy – keep the device and batteries out of the reach of children.
- Store LiPo and LiHV batteries at 3.8 V/cell, e.g. 11.4 V for a 3S pack. The *StoCHG* work mode is used to prepare a battery for storage (chapter 4.3).

2. Product description

2.1 Features

The M7AC is a multifunctional tool that integrates a balance charger and discharger, a signal measuring device and a signal source.

- Dual input: AC 100 W or DC 300 W.
- Charges, discharges and balances (where applicable) LiPo, LiHV, LiFe, Li-ion and LTO 1–6S, NiMH 1–16S and Pb 1–10S batteries.
- Charge current max. 15 A at max. 300 W.
- Discharge current: Recycle / External mode max. 15 A at 300 W, internal mode max. 3 A at 15 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 / outputs standard PWM, PPM and SBUS signals with an accuracy of 1 µs.
- Constant current and constant voltage source output: customizable 1–28 V constant voltage, 0.5–15 A constant current.
- Can be used for charging consumer-grade drone batteries.
- Multi-language user interface and multi-language voice broadcast with customizable voice packs.
- Easily upgradable via USB.

2.2 Package contents

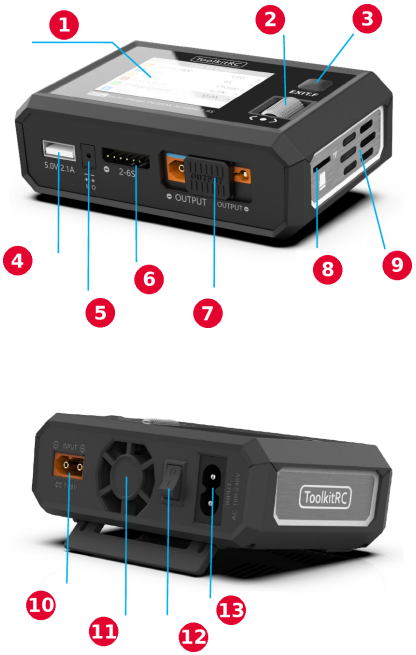
- 1× ToolkitRC M7AC charger
- 1× mains cable
- 1× USB cable

2.3 Manufacturer

Manufacturer	ToolkitRC Technology (Shenzhen) Co., Ltd
Address	3F, B1 Building, Shanghe Industrial Park, Nanchang Road, Hangcheng Street, Bao'an District, Shenzhen, China
E-mail	sales@toolkitrc.com
Web	www.toolkitrc.com

News, information and firmware updates for your charger can be found at www.toolkitrc.com.

2.4 M7AC layout



Top: front of the device, bottom: back of the device.

No.	Element	Description
1	Display	2.4" colour IPS display
2	Scroll wheel	rotate to move the cursor and change values, press the wheel = [OK]
3	[Exit] button	return to the previous level; long press opens the auxiliary functions
4	USB-A output	5 V / 2 A for charging mobile devices, connection to a computer
5	Signal port	PWM / PPM / SBUS signal measurement and output, ESC test
6	Balance port	battery balance connector 2–6S
7	Output port (OUTPUT)	connection of the battery on charge (XT60 and XT30)
8	TF card slot	TF (microSD) card for a custom logo and voice files
9	Speaker	voice broadcast and audible signals
10	DC input	DC power supply 7–28 V

No.	Element	Description
11	Cooling fan	do not cover
12	AC switch	switch of the AC mains input
13	AC input	AC mains supply 100–240 V

2.5 Specifications

Group	Parameter	Value
	Input	AC 100–240 V, max. 100 W DC 7–28 V, max. 20 A
	Battery type	LiPo, LiHV, LiFe, Li-ion, LTO: 1–6S NiMH: 1–16S · Pb: 1–10S
	Balance	800 mA at 4.2 V
Charge	Accuracy	< 0.005 V
	Charge power	0.1–15 A, max. 300 W
	Discharge power	0.1–15 A, max. 300 W (Recycle / External) 0.1–3 A, max. 15 W (internal mode)
	USB-A	5.0 V, 10 W; firmware upgrade
	Voltage	1.0–5.0 V, 1–6S
	Internal resistance	0.1–99 mΩ, 1–6S
Measure	PWM	880–2200 µs, 20–400 Hz
	PPM	880–2200 µs, 8 channels, 20–50 Hz
	SBUS	880–2200 µs, 16 channels, 20–100 Hz
Output	PWM	500–2500 µs, 20–1000 Hz
	PPM	880–2200 µs, 8 channels, 50 Hz
	SBUS	880–2200 µs, 16 channels, 74 Hz
	Power	1–28 V, 0.5–15 A, mode CC + CV
	Display	IPS 2.4", 320 × 240 px
	TF card	128 MB – 16 GB
Other	Size	112 × 73 × 38 mm
	Weight	245 g
	Packing	144 × 125 × 43 mm, 380 g

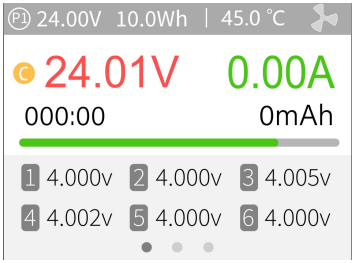
3. Quick start

① Connect a DC 7–28 V power supply, AC 100–240 V mains or an input battery to the input port on the back of the M7AC. When powering from the mains, switch on the AC switch.

② The display shows the boot logo for 2 seconds.

③ A welcome sound (voice pack dependent) is played simultaneously.

④ After booting up, the screen enters the main interface:



Main interface

⑤ Press and hold [Exit] to enter the auxiliary function interface (chapter 6).

⑥ Rotate the scroll wheel to switch between pages.

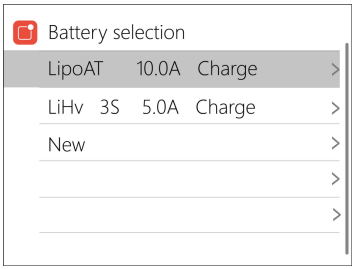
⑦ With the charger idle, short press [OK] to set the charging parameters. Press [OK] during the charging process to adjust the current or stop the charge process.

⑧ With the charger idle, press and hold [OK] to enter the system setting interface (chapter 7.1).

⑨ Short press [Exit] to return to the previous interface.

4. Charge and discharge settings

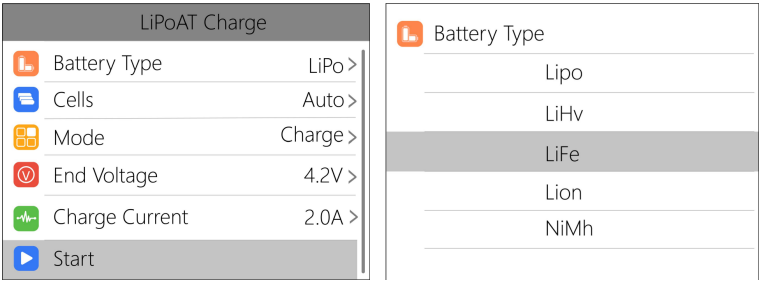
In the main interface, short press [OK]. If the *Battery selection* option is enabled in the system settings (chapter 7.1), the battery selection is displayed:



Battery selection

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. Press [OK] to enter a specific battery setting. Move the cursor to *Battery Type* and press [OK] to modify the battery type.



Battery file setting (left) and battery type selection (right)

The charger supports charging and discharging of 7 types of batteries: LiPo, LiHV, LiFe, Li-ion, LTO, NiMH and Pb. There is also a smart drone battery mode to choose from (chapter 4.11). After selecting the battery type that matches the battery on charge, short press [OK] and [Exit] to save and return to the previous interface.

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

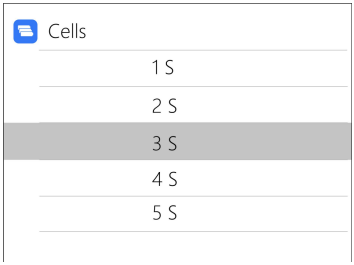
▶ **Glossary of battery types**

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

Voltages are given per cell.

4.2 Cell setting

Move the cursor to *Cells* and press [OK] to modify the number of cells.



Cell count selection

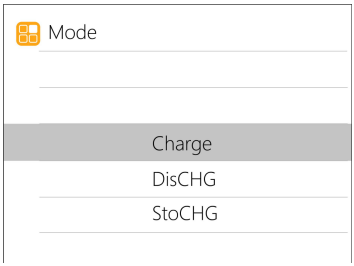
Rotate the scroll wheel to adjust the value. When set to *Auto*, the charger automatically identifies the number of cells by checking the total voltage against the balance port data. Short press [OK] and [Exit] to take effect and return to the previous interface.

❇ **Tips**

- If the connected battery is over-discharged or over-charged, this may cause an incorrect cell count, in which case the number of cells needs to be set manually.
- If the cell count is set incorrectly, it may lead to overcharging, which presents a fire risk.
- The cell count can be determined more accurately if the balance port is connected.

4.3 Work mode

Move the cursor to *Mode* and press [OK] to modify the work mode.

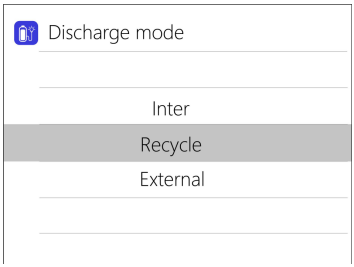


Work mode selection

LiPo, LiHV, LiFe, Li-ion and LTO batteries can be charged (*Charge*), discharged (*DisCHG*) and stored (*StoCHG*). NiMH batteries can be charged, discharged or cycled. Pb batteries can be charged and discharged. Short press [OK] 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 it and press [OK] to modify the discharge mode.



Discharge mode selection

The charger supports three discharge modes:

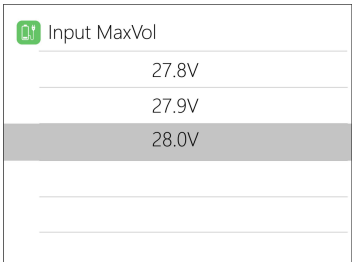
① **Inter** (normal mode): discharge using internal heat dissipation, max. 3.0 A / 15 W.

② **Recycle**: when a battery is used as the input, the power is recovered to the input battery, max. 15.0 A / 300 W.

③ **External**: when the input port is connected to a discharge load and the output port to the battery, the battery is discharged into this load, max. 15.0 A / 300 W.

4.5 Max input voltage

When the discharge mode is set to *Recycle*, the *Input MaxVol* option appears. Move the cursor to it and press [OK] to adjust. If the input voltage reaches this value during discharge, the discharge stops.



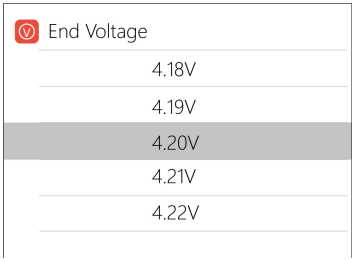
Max input voltage

❖ Tip

Set the max input voltage to the highest protection voltage of the power supply or battery at the input. After the voltage is reached, the charger automatically stops recycling discharge. Setting the value too high may damage the input power source.

4.6 End voltage setting (TVC)

Move the cursor to *End Voltage* and press [OK] to modify the end voltage per cell. 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 in steps of 0.01 V.



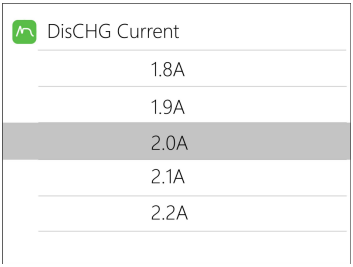
End voltage

❖ Tips

- Only LiPo, LiHV and LiFe batteries allow the cut-off voltage to be set.
- Do not modify the cut-off voltage if you are not familiar with the battery characteristics.
- TVC is the abbreviation of *Terminal Voltage Control*.

4.7 Current setting

Move the cursor to *Charge Current* or *DisCHG Current* and press [OK] to modify the current. Rotate the scroll wheel to adjust the value in steps of 0.1 A; rotate it quickly to increase or decrease faster. The charge current can be set up to 15 A; the maximum discharge current depends on the discharge mode (chapter 4.4).



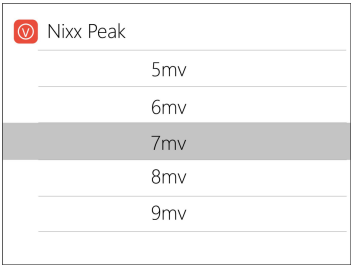
Discharge current setting

❋ Tips

- Set a charging rate of 1–2C according to the battery capacity. For example, for a 2000 mAh battery set the charge current to 2.0–4.0 A.
- The charge / discharge current is only valid in the corresponding work mode.
- When powered from the mains, the charger power is limited to max. 100 W (chapter 2.5).
- The power type, which determines whether Recycle mode is available, is set in the system settings (chapter 7.1).

4.8 NiMH setting (PeakV)

When the battery type is NiMH, the voltage drop at which the charger detects full charge can be set in the *Nixx Peak* item, in the range of 5–15 mV.



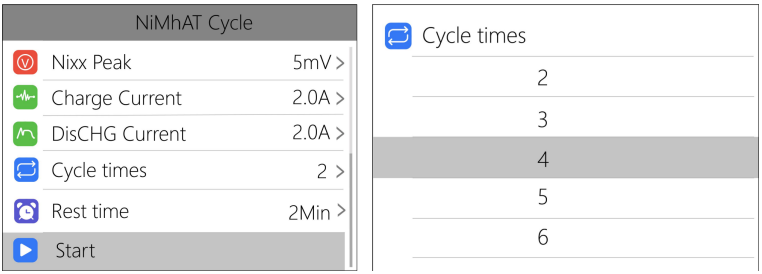
PeakV setting

❋ Tips

- This function is only available for NiMH cells.
- PeakV is the maximum voltage drop per cell at which the charger considers the NiMH battery fully charged.

4.9 Cycle setting

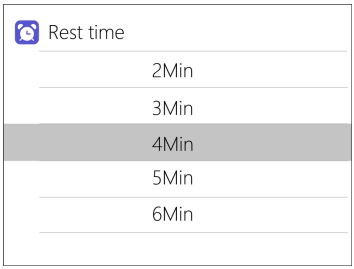
When the battery type is NiMH and cycle mode is selected, the *Cycle times* and *Rest time* options appear.



NiMH cycle setting (left) and number of cycles (right)

Move the cursor to *Cycle times* and press [OK] to set the number of cycles in the range of 2–12. The charger follows the pattern discharge → charge → discharge → charge...; "discharge → charge" counts as 2.

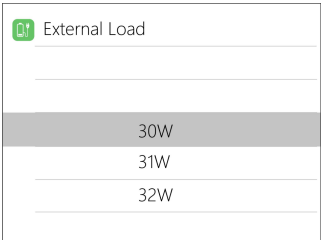
Move the cursor to *Rest time* and press [OK] to set the rest time of the cycle in the range of 2–10 minutes.



Rest time between cycle steps

4.10 External load setting

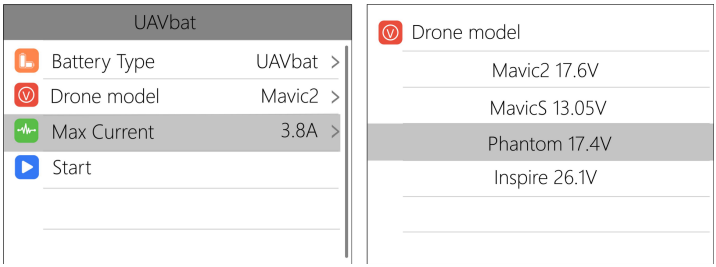
When *External* is selected as the discharge mode, the external load setting (*External Load*) appears. Set the wattage according to the external load used.



External load wattage

4.11 Smart drone battery setting (UAVbat)

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

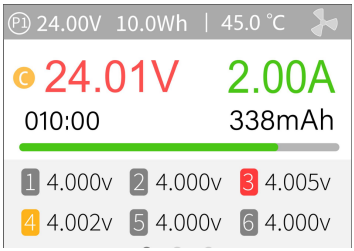


UAVbat setting (left) and drone model selection (right)

Move the cursor to *Drone model* and press [OK] to select the drone model. Move the cursor to *Max Current* and press [OK] to set the charge current in the range of 0.5–15 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.

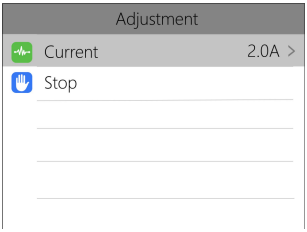


Page 1 – overview

▶ Page 1 – overview

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

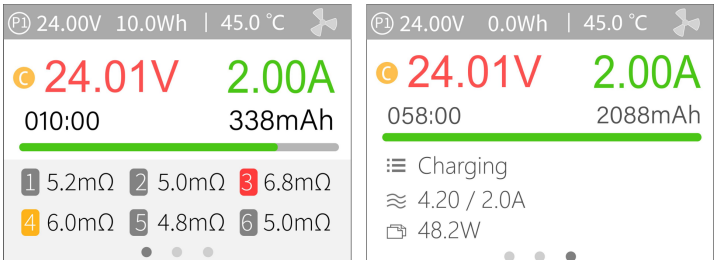
During charging, short press [OK] to dynamically set the charge current or stop charging.



Current adjustment and stop

To end the charge or discharge process, short press [OK], move the cursor to *Stop* and short press [OK] again. Charging stops and the main interface is displayed. When charging is complete or a charge error occurs, a popup appears along with an audible tone.

▶ Page 2 – internal resistance, page 3 – status



Page 2 (left) and page 3 (right)

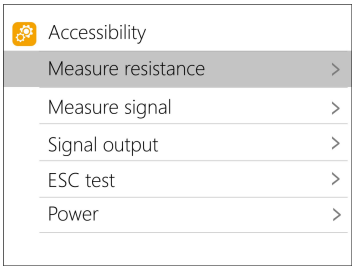
Item	Meaning
1 5.2mΩ	internal resistance of the first cell (other cells likewise)
T:32mΩ	total internal resistance
Charging	current charging status
4.20 / 2.0A	end voltage / charge current
48.2W	current charging power

❉ Tips

- When charging and discharging, never leave the batteries unattended.
- 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.
- If a fully charged battery is disconnected, charging of the next connected battery starts automatically. If a fixed cell count 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

In the main interface, press and hold [Exit] to enter the auxiliary function interface (*Accessibility*).



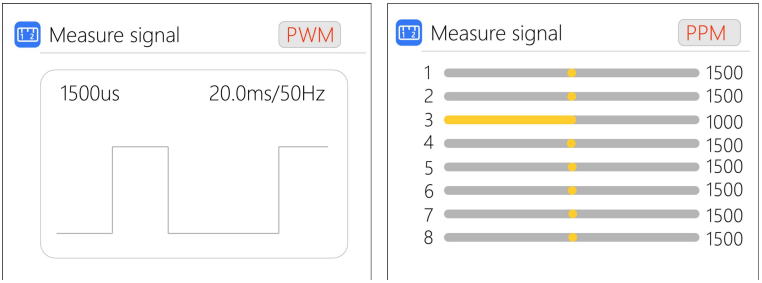
Auxiliary function menu

6.1 Measure resistance

Short press [OK] on *Measure resistance* to test the internal resistance of the connected battery and return to the main interface.

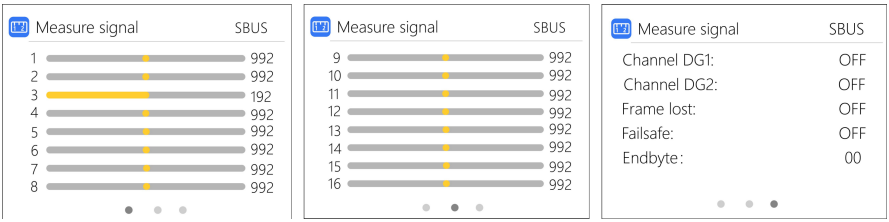
6.2 Measure signal

Move the cursor to *Measure signal* and short press [OK] 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, rotate the scroll wheel to display channels 1–8, channels 9–16 and the overall status:

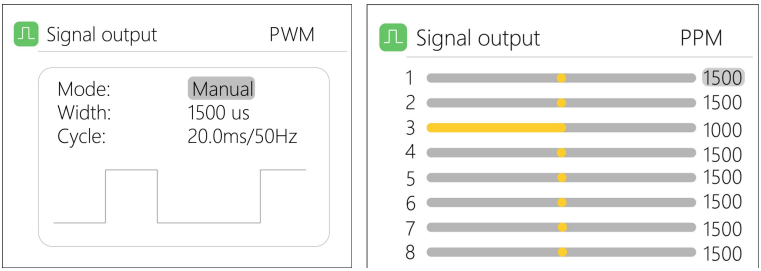


SBUS measurement: channels 1–8, channels 9–16 and overall status

6.3 Signal output

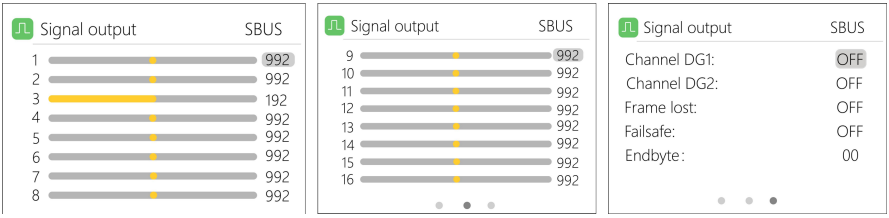
Move the cursor to *Signal output* and short press [OK] to enter the signal output interface. Rotate the scroll wheel to select the signal type, e.g. PWM.

For PWM, move the cursor to the mode (*Manual*) and press [OK] 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. In Auto 1–3, the pulse width of the output PWM changes automatically at 3 different speeds. The pulse width and frequency ranges are given in the specifications (chapter 2.5).



PWM (left) and PPM (right) output

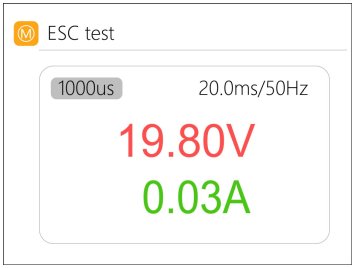
For PPM and SBUS, rotate the scroll wheel to move the cursor to the value of the channel to be modified and press [OK] to modify the output pulse width of this channel.



SBUS output: channels 1–8, channels 9–16 and overall status

6.4 ESC test

Select *ESC test* with the cursor and short press [OK] to enter the ESC test mode. Rotate the scroll wheel to move the cursor to the pulse width or cycle and press [OK] to change the corresponding value.

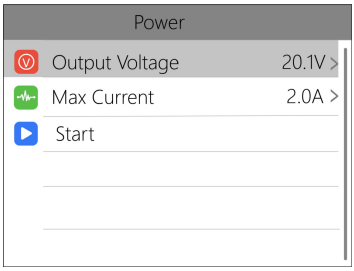


ESC test

※ When testing an ESC with a motor connected, always remove the propeller and secure the motor.

6.5 Adjustable power supply (Power)

Select *Power* with the cursor and short press [OK] to enter. The output voltage (*Output Voltage*) and current (*Max Current*) can be set at will. Move the cursor to *Start* and short press [OK] to start the power output; the main interface is displayed.



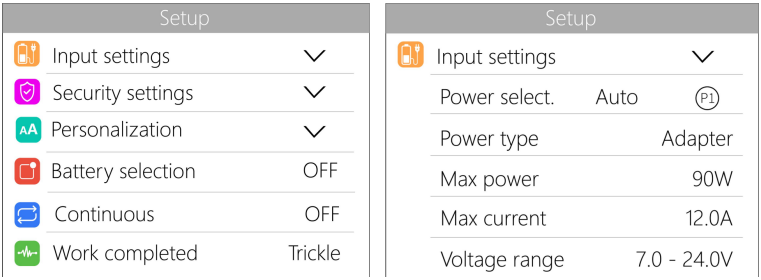
Adjustable power supply

※ Check the set voltage before starting – an excessive voltage may damage the connected device.

7. System settings and other functions

7.1 System settings

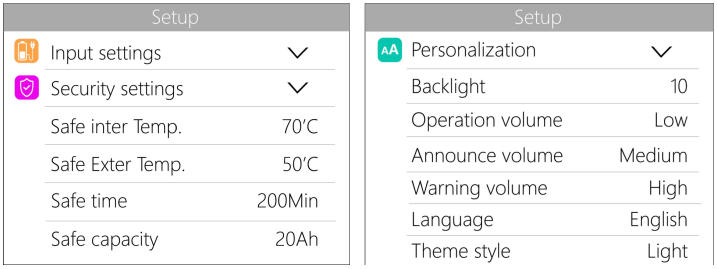
In the main interface, press and hold [OK] to enter the system setting interface (*Setup*). Short press to expand a group of settings.



System settings (left) and expanded Input settings (right)

▶ Input settings

Item	Meaning
Power select.	power preset 1, 2 or 3
Power type	choose between battery pack and 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



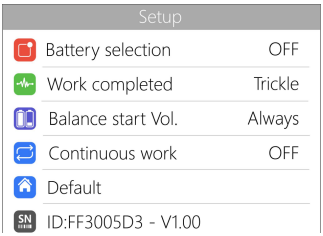
Security settings (left) and Personalization (right)

▶ Security settings

Item	Meaning
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

Item	Meaning
Backlight	display backlight brightness, 1–10
Operation volume	volume of the scroll wheel: off, low, medium, high
Announce volume	menu readout volume: off, low, medium, high
Warning volume	warning tone volume: off, low, medium, high
Language	system display language, e.g. English, Chinese
Theme style	light or dark theme



Further system setting items

Item	Meaning
Battery selection	show / hide the selection of frequently used battery files
Work completed	stop or trickle charge (*Trickle*) after the charge is complete
Balance start Vol.	balance the cells prior to full current charge
Continuous work	enables / disables continuous charging / discharging after battery replacement
Default	restore factory settings
ID	independent ID of each device

7.2 Custom boot image and voice packs

The M7AC supports a customizable boot image and voice packs. Insert a TF (microSD) card with a capacity of 128 MB – 16 GB into the slot on the side of the M7AC and connect the device to a computer with the USB-A cable from the box. Two USB drives will show on the computer: the *Toolkit* drive is used for upgrading firmware, the other one for storing custom files. Its root directory contains 2 folders: *LOGO* for boot images and *SOUNDS* for voice files.

▶ Boot image

When turned on, the M7AC automatically reads the file named *logo.bmp* in the LOGO folder. If the file is read successfully, the image is displayed as the startup page.

Example of a boot image

❇ Tips

- Only the BMP file format with a resolution of 240 × 320 pixels is supported.
- If the file cannot be read, the default startup page is displayed.

▶ Broadcast voice

The M7AC reads the voice files in the SOUNDS folder. The voice files of each language are stored in separate folders:

Folder	Language	Folder	Language
CHI	Chinese	DEU	German
ENG	English	ESP	Spanish
FRA	French	ITA	Italian
JAP	Japanese	KOR	Korean
POR	Portuguese	TRA	Traditional Chinese

File name	Description
0000.wav – 0090.wav	numbers 0–90
0100 – 0109.wav	numbers 100–1000
0167 – 0176.wav	numbers .1–.9
Bootup.wav	bootup sound
Warning.wav	warning sound
other	menu broadcast voice

※ Only WAV mono files are supported.

7.3 Firmware upgrade

After connecting the M7AC to the computer with the USB cable from the box, the computer recognizes a USB drive named *Toolkit*. Download the upgrade file *app.upg* from the official ToolkitRC website and overwrite the files in the drive to upgrade the firmware.

7.4 USB output

The USB-A port supports 5.0 V / 2.0 A output to charge mobile devices.

7.5 Automatically continue charging / discharging

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

7.6 Fan level

When the internal temperature of the device exceeds 45 °C, the fan turns at half speed to reduce noise. When the internal temperature exceeds 53 °C, the fan turns at full speed to enhance heat dissipation.

7.7 Manual voltage calibration

With the M7AC 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 value. After calibration, move the cursor to save and short press once; one beep confirms that the save was successful. Then exit or shut down.

※ Calibrate only with an accurate voltmeter. An incorrect calibration leads to incorrect charging of batteries.

7.8 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 the battery is disconnected. The behaviour after the charge is complete is set in the *Work completed* item (chapter 7.1).

※ Disconnect a fully charged battery as soon as charging is complete.

7.9 Care and storage

- Disconnect the device from the power supply and the battery before cleaning. Clean it with a dry soft cloth; do not use solvents.
- Store it in a dry place, protected from dust and moisture, out of the reach of children.
- Keep the connectors clean; do not use damaged cables or connectors.

8. Information for the EU and Czech Market

The information in this chapter is based on the legislation of the Czech Republic. If you use the product in another country, follow the regulations of the country in which you operate 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@rotorama.cz
Phone	+420 252 252 098
Website	www.rotorama.cz

8.2 Product conformity

CE

- 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@rotorama.cz.
- **Product identification:** the type designation (M7AC) and the serial number are given on the rating label of the device; the device ID can be found in the system settings (*Setup*, item *ID*).

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

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.