JAMARA 081459 Programming Card Instructions

Contents

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Product Information

The Programming card, No. 081459, is a product manufactured by JAMARA e.K. It is a programmable card used for configuring and customizing the settings of an ESC (Electronic Speed Controller) in a model vehicle. The card allows users to adjust various parameters such as cutoff voltage, motor timing, throttle limits, braking percentage, motor rotation, and neutral range.

JAMARA e.K. is not liable for any damage caused to the product or any other damages resulting from improper operation or handling errors. The customer is solely responsible for the proper use and handling of the product, including assembly, charging process, use, and choice of operation area. It is important to read and follow the operating and user instructions provided, as they contain important information and warnings.

The product, Programming card No. 081459, complies with Directive 2014/30/EU and 2011/65/EU. The EU Declaration of Conformity can be found at the following Internet address: **www.jamara-shop.com/Conformity**.

Product Usage Instructions

Please read the complete instructions and security instructions carefully before using the model to ensure safe and proper usage.

1. **Using the Programming Card:**
    1. Turn on the ESC (Electronic Speed Controller) and connect the programming card.
    2. **DE:** Schalten Sie den Regler ein und stecken
    3. **GB:** Turn on the ESC. Remove the Signal wire
2. **Programming the ESC:**
    1. **Cutoff Voltage:** Automatically detect the number of cells in your battery. Set up the type of batteries and Low Voltage Cutoff Threshold using PC software or the program card. The ESC will stop working if the battery voltage goes below the preset threshold.
    2. **Motor Timing:** Adjusts the power band and efficiency of the electric motor. The default setting is

Normal.

3. **Throttle Percent Reverse:** Limits the power available in reverse throttle. Lower percentages reduce the speed available in reverse.
4. **Throttle Limit:** Controls the forward throttle speed. Lower percentages reduce the speed available in forward throttle.
5. **Percentage Braking:** Adjusts the amount of brake applied to the vehicle. Higher percentages provide stronger braking.
6. **Motor Rotation:** Sets the motor rotation direction. The default setting is Normal.
7. **Neutral Range:** Adjusts the amount of Deadband off neutral on the throttle trigger. Smaller values require less movement off-center for throttle functions to begin.

3. **Disposal Restrictions:**

Electrical appliances, including this product, should not be disposed of in domestic waste. Please dispose of them separately, following local regulations. If possible, remove the batteries before disposal. If personal data is stored on the appliance, ensure it is removed before disposal.

General information

JAMARA e.K. is not liable for any damage caused to the product itself or through this, provided this is due to improper operation or handling errors. The Customer alone bears the full responsibility for the proper use and handling, including without limitation, the assembly, the charging process, the use and choice of the operation area. Please refer to the operating and user instructions, it contains important information and warnings.

Certificate of Conformity

Hereby JAMARA e.K. declares that the product „Programming card, No. 081459“ complies with Directive 2014/30/EU and 2011/65/EU. The full text of the EU Declaration of Conformity is available at the following Internet address:
www.jamara-shop.com/Conformity

Read the complete instructions and security instructions carefully before using the model. Caution! Please fully and carefully read warnings/ safety instructions. These are for our own security and can avoid accidents/injuries.

Using CR Program card

1. Turn on the ESC. Remove the Signal wire and plug it into the topsocket on the Program card (6), wait for 2 seconds until the LED is ON. The first programmable function will be shown.
2. If ESC is not connected with the batteries, the Program card should be connected with other power supply, the range of power supply is within 5.0 – 6.3 V.
3. Press the button “Menu” (2) on the Program card and circularly select each programmable function. At that time the number of the programmable function will be displayed on the left of the LED, the current value will be displayed on the right side. Then press the button „Value“ (3) to change the value and press the button „OK“ (4) to confirm. At the same time the red indicating LEDs of both program card and the ESC blink. Turn off the ESC, the modified settings will be saved in the ESC’s memory.
4. Press the button „Reset“ (5) to restore the default settings.

Cutoff Voltage

Automatically detect the number of the cells.
According to the type of your batteries , set up the type of the batteries and Low Voltage Cutoff Threshold via PC software or program card. The ESC can detect the Voltage of the battery anytime and will stop working once the Voltage of the battery is lower than the preset Low Voltage Cutoff Threshold.

Running Mode

- **Forward w/o Reverse**
  This is a Race setting – Reverse is disabled. You will find in racing, most tracks will not allow racing with reverse enabled.
- **Forward with pause then Reverse: (Default)**
  General bashing around (FUN) or racing if reverse is allowed for the event. The Electronic Speed Controller requires 2 seconds of continuous neutral from the transmitter prior to allowing reverse to operate.
  Note:

There is automatic protection within the ESC. Only after you have stopped and returned the trigger to neutral will reverse become available. If while traveling in reverse, pull the trigger to go forward. This is to help prevent serious damage to the drive train.

- **Forward / Reverse**
  If the option is actived, the RC car could go forward and backward, but couldn`t brake.

Motor Timing

This option affects the power band and efficiency (run time) of an electric motor. The default is “Normal” and is a good starting point to deliver power and provide good run time.

- **Very Low**
  Provides maximum efficiency with less power. Higher timing produces significantly more power but at the expense of efficiency (less run time) and typically the motor will generate more heat. Each brushless motor will respond to timing differently. Good for running around on paved, or harder surfaces, and racing with high KV rated or low-turn motors
- **Low**
  Provides power for running through soft surfaces, having fun and longer run time.
- **Normal (Default)**
  Good mix of power and efficiency using any motor High More power than efficiency so run time will reduce, and you should be monitoring motor heat. The higher KV or lower turn motors will generate heat quickly using this setting. A safe high temperature range is 165F to 180F (74° – 82°C), going higher may damage your motor.
- **Very high**
  This is maximum power and must be used with caution. **Note:** Any motor has the potential to over-heat in this setting. Frequently check the motor temperature and make sure you’re not operating higher than 165° and 180° Fahrenheit
  (74°- 82° C), which may damage your motor, or damage your Electronic Speed Controller (ESC).

Initial Acceleration

Use this to limit the initial power that is sent to the motor when starting from a complete stop.
Using the low option, the vehicle will launch very slowly and provide the longest run times. When using the HIGH choice, you will have wheel-spinning acceleration at the cost of run time. This is also very tough on the batteries as the amperage draw can be very high. If your vehicle cuts out, hesitates or loses radio control, you should consider setting this at a lower value.

- **Low**
  Using this option will provide longer run times and is easiest on the batteries. It is a good choice for beginners.
- **Medium**
  Medium requires more from your batteries, and is good for low traction surfaces.
- **High**
  This option will provide full acceleration and requires stout batteries to supply the load required in this setting.
- **Very high**
  This option will provide full acceleration and requires stout batteries to supply the load required in this setting.

Throttle Percent Reverse
Use this to limit the power available using reverse throttle. The lower the percent or level the less speed will be available in reverse. 20%, 30%, 40%, 50%, 60% (Default), 70%, 80%, 90%, 100%

Throttle Limit
The lower the percent the less forward throttle speed will be available.0%(Default), 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%

Percentage Braking
Gives you the ability to have full control over the amount of brake your vehicle will have. 10%, 20%, 30%, 40%, 50% (Default), 60%, 70%, 80%, 100%

Percentage Drag Brake
0% (Default), 4%, 8%, 12%, 15%, 20%, 25%, 30%
The drag brake function provides the driver a set percentage of brake when you have the transmitter resting in neutral. This will create the “feel” of a brushed motor. Drag brake are used in racing to slow a vehicle as you let off approaching a corner versus the driver having to push the brake at every corner. Try working with this to get a sense of how you might use this for your track. If you are running on a high traction track with tight corners, a stronger setting should work best. If you are running in an open area, you will find a smaller percentage will result in better control. If you are running in dusty or slippery surfaces, you will more than likely want to use the lowest option.

Motor Rotation

Normal (default), Reverse

Neutral Range

This setting adjusts the amount of “Deadband” off neutral on the throttle trigger. This is in Milli-Seconds (MS) and is the amount of neutral when you pull the trigger. The smaller the value the less “Deadband” or movement is required off-center for the ESC to begin throttle functions. Using a higher value for this setting will provide a wider Deadband.

- 2%
- 3%
- 4% (Default)
- 5%
- 6%
- 10%

Disposal restrictions
Electrical appliances must not be disposed of in domestic waste and must be disposed of separately. You are obliged to take out the batteries, if possible, and to dispose of the electrical equipment at the communal collection points. Should personal data be stored on the electrical appliance you must remove them by yourself.

Service centre

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Documents / Resources

	JAMARA 081459 Programming Card [pdf] Instructions 081459, 081459 Programming Card, Programming Card, Card

References

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- Naslovnica
- t-trade.de is available for purchase - Sedo.com
- JAMARA - DoC (Declarations of Conformity)
- JAMARA - DoC (Declarations of Conformity)
- jamara.com
- Janus Trade
- Modellbau Zentral - Peter Hofer - Altdorf UR
- Reitter Modellbau & Robotics - Zubehör, Ersatzteile, Bausätze
- Mooser T-Trade Ihr Fachhändler für Plastik und RC Modellbau - Osmose -
- e-dite.cz
- Veleprodaja informatičke, foto, dječje i ugostiteljske opreme te konzumne elektronike
- Öffentliches Personal Schweiz - Wir vertreten die Interessen des öffentlichen Personals.