



ACME TECH

Digital Proportional R/C System

3 Channel

Systems Manual



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Caution: This device complies with part15 of the FCC Rules. Operation is subject to the following two conditions :(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

1、 Safety Instructions and Hazard Warnings

- This radio remote control is not a toy. Therefore it is not suitable for children under the age of 8. Children or young people under the age of 14 should only operate the remote control system when an adult is present.
- A radio remote-controlled model is also not a toy. For this reason, you must observe the special safety instructions of the model manufacturer when installing the receiver unit and during subsequent operation.
- If you are yet familiar with the handling of remote-controlled models, please contact an experienced model sportsperson or a model construction club.
- In electric models, do not connect the drive engine until the receiver unit has been completely installed. This way you prevent any sudden unintended start-up of the drive motor.
- Please check the functional safety of your model and the remote control unit before putting the device into operation. When doing so, make sure there is not visible damage, such as defective plug connections or damaged cables. All movable parts of the model must run smoothly, but must not have any play in their bearings. When the aerial is pressed in , the

device should still work within a range of approximately 25-30 metres.

- Before using the rechargeable batteries that are necessary for operating your remote control, you must charge them in accordance with the manufacturer's specifications. If the power supply is too low due to empty batteries of empty rechargeable batteries, this lessens the range and you may lose control of your model.
- Please note that fully charged rechargeable batteries can supply extremely high voltages. In case of a short circuit, the wires can become very hot and cause severe skin burns.
- Do not expose the transmitter to direct sunlight or excessive heat for an extended period of time.
- Remove the (rechargeable) batteries from the device when you do not use it for a long period time.
- Do not leave the packaging material lying around carelessly since this may become a dangerous toy for children.

2、Performance characteristic

- 1)Power Requirement:9.0—12.1V DC
- 2)Current Drain: $\leq 4.50\text{mA}$ (VDD=10V)
- 3)Temperature (working): $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$
- 4)Temperature (Preserving): $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- 5)LCD demonstrates and the LED indicating lamp, turn off the lamp if having no the pressed key for 10 seconds.

3、Function Description:

1) IC have a power supply switch(on/off), a trigger: control advance, backlash, back-draft; a direction controlling knob: control left or right steering; the third channel function key: CH3+, CH3-; The twelve function key: —, +, CH, SEL, DT1—, DT1+, DT2—, DT2+, DT3—, DT3+, DT4—, DT4+.

2) Turn left the Steering Servo, make the motor turning left; Turn right the Steering Servo, make the motor turning right. Its movement scope is affected by the TRM_ST, SBT_ST, EPA-ST, EXP-ST, D/R-ST, SPD. When REV-ST is setted 'ON', it will make the operation reverse. Turn left the Steering Servo, make the motor turning right; Turn right the Steering Servo, make the motor turning left.

3) Pull the throttle, make the motor forward; Push the throttle, make the motor back. Its movement scope is affected by the TRM_TH, SBT_TH, EPA-TH, EXP-TH, ACC, ABS, ATL-BK. When REV-ST is set 'ON', it will make the operation reverse. Pull the throttle, make the motor back; Push the throttle, make the motor forward.

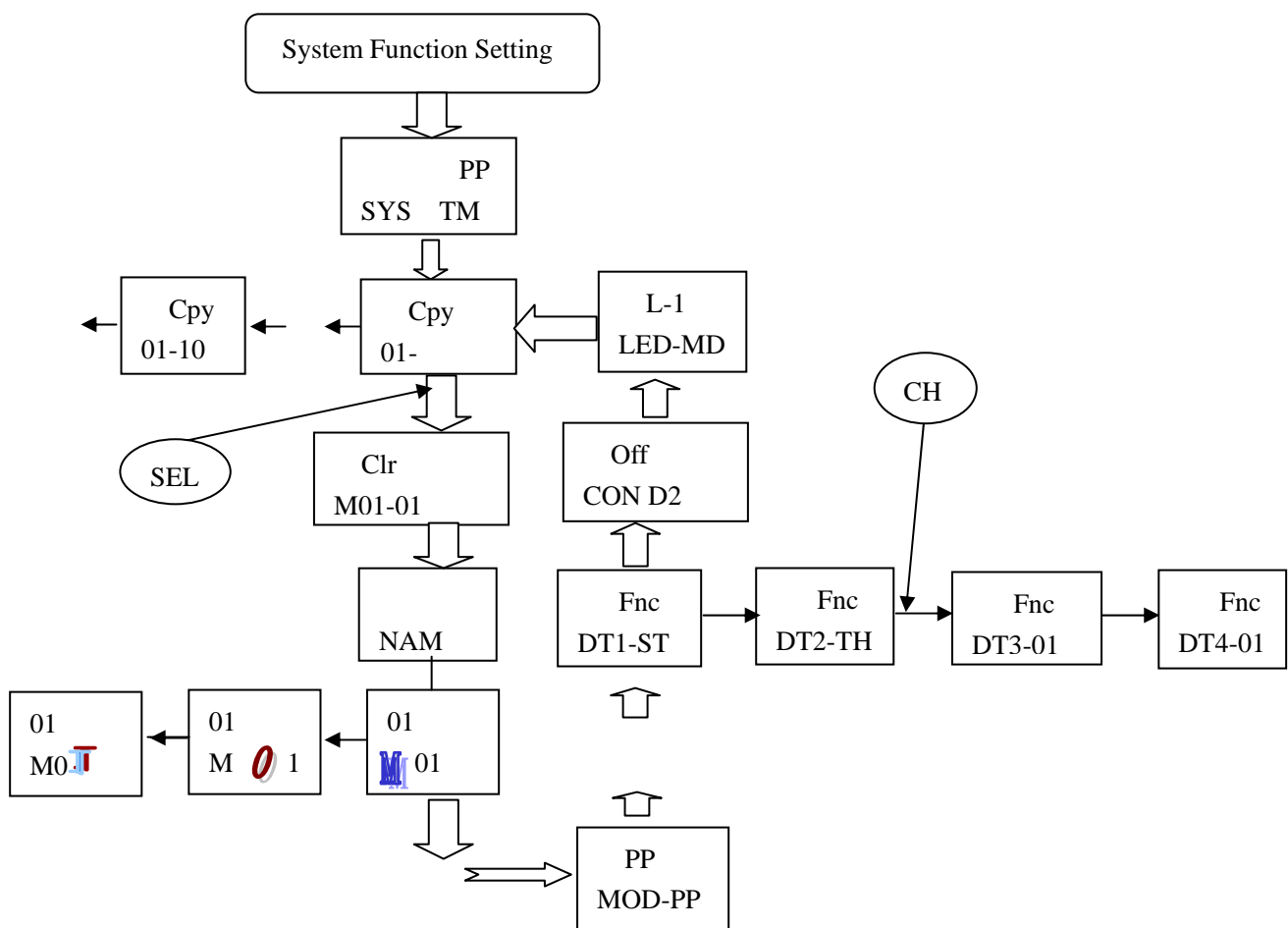
4) When the vehicle is forward, back-draft or turning left or right, it will output the control signal of the channel 3. It is affected by the CH3-TR, BMX, SBT-3C, CH3-P1, 2, 3, 4, PR, PL.

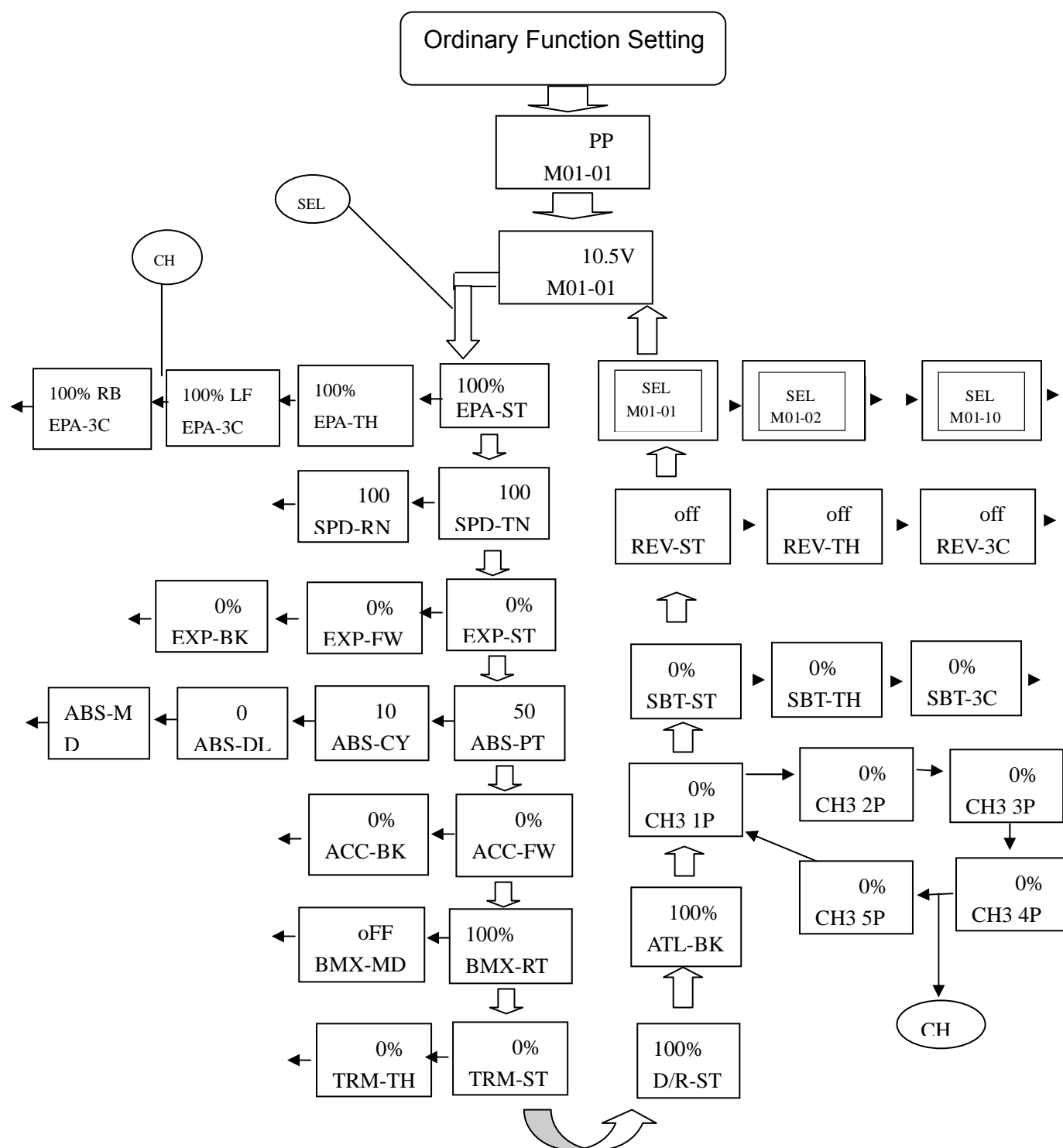
5) Press the ON/OFF switch right, it plays; Press the ON/OFF switch left and dumps, it stops all the movement.

4.Operation Instruction

After Press the ON/OFF switch right , there are two setting way:

(1) press the 'SEL' key and open the power switch, enter 'System Function Setting'; Not press the 'SEL' key and open the power switch, then enter the Initial screen, after press the 'SEL' key then enter the 'Ordinary Function Setting'. Please refer to the table.





(2) System Function Setting

a. copy the model control data:

On the Initial screen, press the 'SEL' key simultaneously then entry 'MODEL COPY': '01-NN CPY', press the 'CH' key from 01 to 10, and press '+/-' about one second, then copying the data.

b. Initial the model control data:

Press the 'SEL' key and entry the screen: 'NAM 01 CLR', After entering, press '+/-' key about one second, it will restore the current model control data to the default value, but will not change the PPM and the Brightness of LED.

c. Setting the model control data's name:

Press the 'SEL' key and entry the name setting screen 'NAM ' to 'NNN 01', press '+/-' key will change the character, press 'CH' will change the revision position, then change 'NNN' .

d. Setting the Signal output model: use 'PPM' model only now.

e. Function of Adjusting Lever 'FNC-DT'

The function will choice the function of the trim lever and ATL level and D/R lever. You may choose the function:

ST: Adjust the Steering Trim value

TH: Adjust the Throttle Trim value

DR: Adjust the 'DR-ST'

AT: Adjust the 'ATL-BK'

E1: Adjust the 'EXP-ST'

BK: Adjust the 'BMX-RT'

OFF: Turn-off the function of the key

At the system function initial screen, press 'SEL' many times then enter 'FNC-DT', then enter 'Fnc DT1-ST', press CH, enter 'DT2-TH', or 'DT3-DR', or 'DT4-AT', or 'DT1-ST'; press '+/-' , enter 'ST' or 'TH' or 'DR' or 'AT' or 'E1' or 'BK' or 'OF' or 'ST'

f. Condition 2(COND2) Setting : the setting invalid

g. Adjust the LED brightness: 'LED-MD'

At the system function initial screen, press 'SEL' many times then enter 'LED-MD', press '+/-' , enter 'L0' or 'L1' or 'L2' or 'L3' or 'L4'. L0 is the turn-off.