



Joystick Programming Kit

1. Acceleration

Range = 1 to 20, the greater the level, the greater the rate of acceleration.

2. Deceleration

Range = 1 to 50, the greater the value, the greater the rate of deceleration.

3. Overall Turning Speed

Range = 1 to 10, the greater the value, the greater the acceleration while turning.

4. Stopping Deceleration while Turning

Range = 1 to 10, the greater the value, the greater the radial deceleration;

5. Threshold for low-voltage protection

Range = 1 to 5. For a device operated at 24V, when you set the threshold to level 3, the threshold is 21V. Each interval between levels is 2V. The greater the level, the greater the threshold.

6. Backward Speed

Range = 1 to 10, the greater the level, the faster the backward speed.

7. Set Maximum Forward Speed

Range = 1 to 20, the greater the level, the faster the maximum speed. Setting 20 gives you the max speed of 4 MPH.

8. Backup Beep (alert tone when go backward)

Range = 0 or 1. Value of 0 = tone off, value of 1 = tone on.

9. Electromagnetic Brakes Shut Off

Range = 0 to 1. 0 disables the electromagnetic brake, 1 turns the brake electromagnetic on.

10. Time for Auto Power Off

Range = 1 to 5, 10 minutes per level (for example, level 1 means the joystick will turn off after being idle for 10 minutes).

11. Phase setting (Left Motor)

Range = 1 to 6, a total of six states. Push the joystick to change a state.

Press confirm button if the direction of joystick is consistent with the direction of motor rotation (and the motor is running smoothly and the electric current is at minimum); if it doesn't meet the above requirements, then change the state once again, until it works normally.

12. Left Motor Direction Setting

Range = 0 or 1

0 = Same Direction as Joystick Movement

- Move Joystick Forward – Chair Moves Forward
- Move Joystick Back – Chair Moves Backwards
- Move Joystick Right – Chair Turns Right
- Move Joystick Left – Chair Turns Left

1 = Opposite direction of Joystick Movement

- Move Joystick Forward – Chair Moves Backwards
- Move Joystick Back – Chair Moves Forward
- Move Joystick Right – Chair Turns Left
- Move Joystick Left – Chair Turns Right

13. Phase setting (Right Motor)

Range = 1 to 6, a total of six states. Push the joystick to change a state.

Press confirm button if the direction of joystick is consistent with the direction of motor rotation (and the motor is running smoothly and the electric current is at minimum); if it doesn't meet the above requirements, then change the state once again, until it works normally.

14. Right Motor Direction Setting

Range = 0 or 1

0 = Same Direction as Joystick Movement

- Move Joystick Forward – Chair Moves Forward
- Move Joystick Back – Chair Moves Backwards
- Move Joystick Right – Chair Turns Right
- Move Joystick Left – Chair Turns Left

1 = Opposite direction of Joystick Movement

- Move Joystick Forward – Chair Moves Backwards
- Move Joystick Back – Chair Moves Forward
- Move Joystick Right – Chair Turns Left
- Move Joystick Left – Chair Turns Right

15. Adjust Turning Speed of Left Motor

Range = 0 - 20, 0 = matches current forward, progressively slowdown from 1 to 20.

16. Adjust Turning Speed of Right Motor

Range = 0 - 20, 0 = matches current forward, progressively slowdown from 1 to 20.

17. Electromagnetic Brake Release time delay settings

Range = 1 to 20. Controls the stopping time once the joystick is let go by the driver. Level 1 = delay 0.5s. Increase a level, the delay time will be increased by 0.5s.

18. CBL Setting

Setting range = 0 or 1, DO NOT ADJUST THIS SETTING, LEAVE IT SET TO 0

19. 360° Speed

Setting range = 1 to 20, This sets the speed of the chair when doing a complete 360° turn.

20. Lithium Ion Battery Activation

Setting range = 0 or 1, DO NOT ADJUST THIS SETTING, LEAVE IT SET TO 0

21. Sport Mode Driving Style

Setting range = 0 or 20, 0 setting means the wheelchair joystick is desensitized for people with tremors or motor skill limitations. Any setting greater than 0 makes the joystick hypersensitive to every single micro movement of the joystick. ONLY ADJUST THIS SETTING IF YOU ARE AN ADVANCED DRIVER OF ELECTRIC WHEELCHAIRS. Most people find changing this setting makes the chair jerky. This is like enabling "Sport Mode" on a wheelchair, increases the maneuverability of the chair.

USE AT YOUR OWN RISK – Any damages to your chair caused by your custom programming settings will NOT be covered under warranty. Please proceed with extreme care! If you are not able to perform the changes, we recommend that you take this programming kit to a medical equipment shop that is skilled in programming electric wheelchairs.

Programming Steps:

1. Turn off the Joystick.
2. Plug the programmer into where you would normally connect the charger.
3. Turn on the Joystick.
4. The joystick will display the function numbers.
5. The first number relates to the 1 to 21 functions listed above.
6. The second number after the decimal, relates to the range of the functions listed above.
7. Use the UP, DOWN buttons to move through the settings.
8. Press the SHIFT button to change the range number.
9. Press the CONFIRM button to save your settings.
10. Power off Joystick, and unplug the programmer.