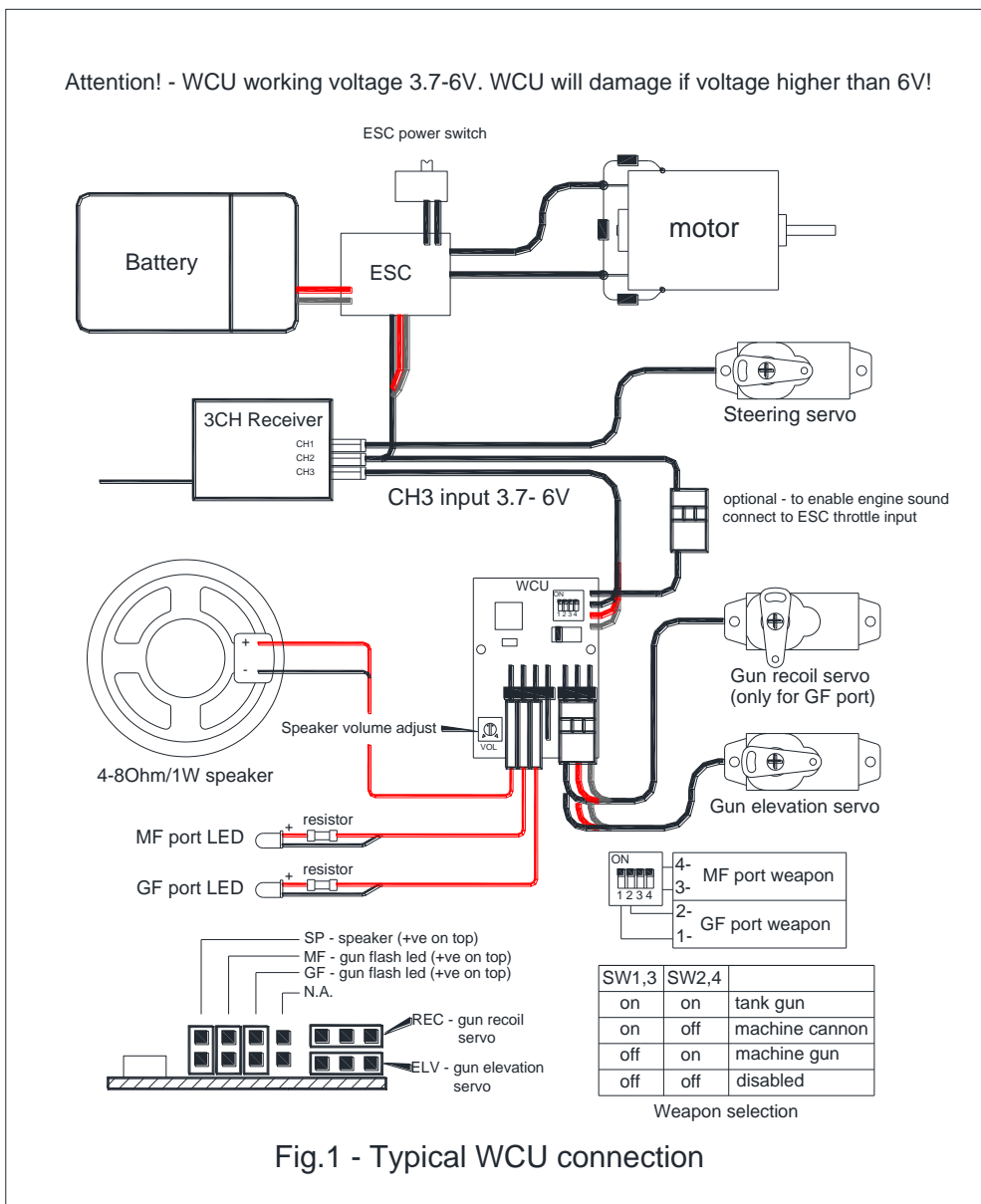


WCU (weapon control unit) is designed to work with ESC of your RC vehicle to provide gun firing sound, LED gun flash, and engine sounds for AFV models. It can work with stick type control, or a simple on/off channel.

WCU Weapon Control Unit highlight features:

- Control up to two weapons, with two gun flash LED ports (GF and MF ports).
- Three types of gun selection - tank gun, machine cannon, or machine gun.
- Gun elevation and recoil servos for GF port weapon.
- Optional engine sound includes engine start, stop, idle, and running. Sound changes according to speed.
- Weapon can be triggered by stick type or on/off type control.
- For stick control, weapons is triggered by stick motion, and also control gun elevation servo.
- For on/off type control, you can only trigger GF port weapon and no gun elevation control.
- 22KHz high quality digital sound effects.
- WCU size 36 x 25 x 10mm (1.4"x1"x0.4")



Input voltage:

- 3.7V – 6V. Input over 6V will cause damage!

Weapon selection:

- You can select either tank gun, machine cannon, or machine gun for each weapon port.
- Weapon selection is done by 4 dip switches as shown in Fig.1.

Controller types:

- WCU will detect input signal to determine the controller type.
- For stick type controller, you must keep the control stick in center position when power on, or it will be treated as on/off type controller.
- For on/off type controller, the switch position when power on will be the off position.

Firing weapon for stick type control:

- Moving slowly moves the gun elevation servo
- Moving up fast trigger GF port weapon, moving down fast trigger MF port weapon

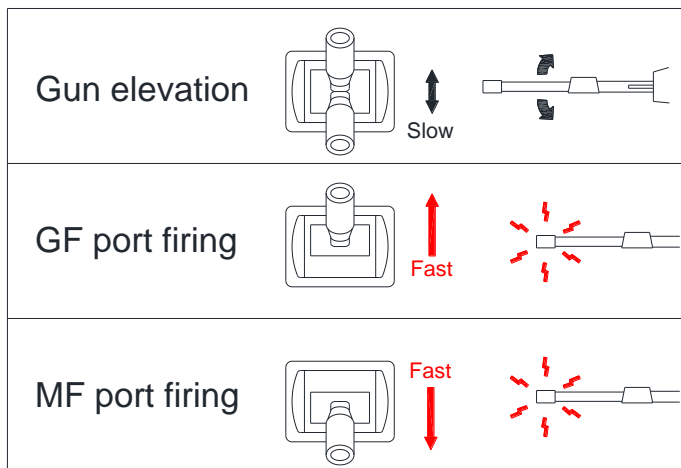


Fig.2 - Stick type control

Firing weapon for on/off type control:

- Turn switch on will trigger GF port weapon.
- MF port is disabled.
- No gun elevation control.

Engine sound control:

- Engine sound will enable with the ESC throttle input is connected.
- Engine starts by the first throttle. Engine sound will changes according to throttle movement.
- To stop engine sound, stop move for 3 seconds, and then kick the throttle and return quickly.

Recoil servo:

- When the GF port is a tank gun or machine cannon, the recoil servo will moves to simulate gun recoil.