

# Controlling UGV using Flysky Transmitter

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# Wiring Diagram

- 1 Wiring diagram 1: Connection between Motor driver and ESP32

[https://github.com/AnilMondedla/esp32/blob/main/IDE/ToyCar\\_with\\_Flysky/Figures/wiring.jpg](https://github.com/AnilMondedla/esp32/blob/main/IDE/ToyCar_with_Flysky/Figures/wiring.jpg)

- 2 Wiring diagram 2: Connection between Flysky receiver and ESP32

Flysky-Rx pin	ESP32 pin
Channel 2	Pin-14
Channel 4	Pin-15
GND	GND
Vin	5v

# Binding Tx. and Rx.

- Check the reference number of the receiver and transmitter. If they are same, then no need of binding.
- If the reference numbers are not same then binding of Rx and Tx is needed.

# Binding Tx. and Rx.



Figure: Flysky Receiver

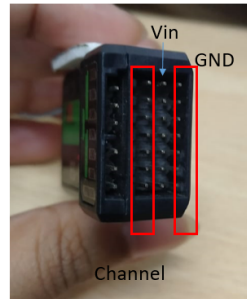


Figure: Flysky Receiver

## Binding Tx. and Rx.

- Short the GND and CHANNEL pin of B/VCC of the receiver.
- Connect Vin pin with 5V pin of ESP32 and GND pin to GND pin of ESP32.
- Press the bind key of the transmitter.

# Code

- Flash the code from arduino IDE to ESP32.

`https://github.com/AnilMondedla/esp32/tree/main/IDE/Toycar\_with\_Flysky/Codes`