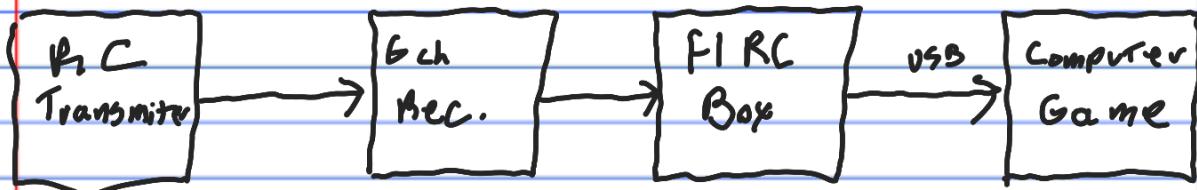


# Formula RC Box



Key Points:

6 Channels - w/ dead zone filters

- Steering - Channel 1 - X Axis
- Throttle - Channel 2 - Y Axis
- Button 1 - Channel 3 - Button 1
- Button 2 - Channel 4 - Button 2
- Button 3 - Channel 5 - Button 3
- AVX (range) - Channel 6 - Z Axis

\* Aux is used as variable for throttle curve.

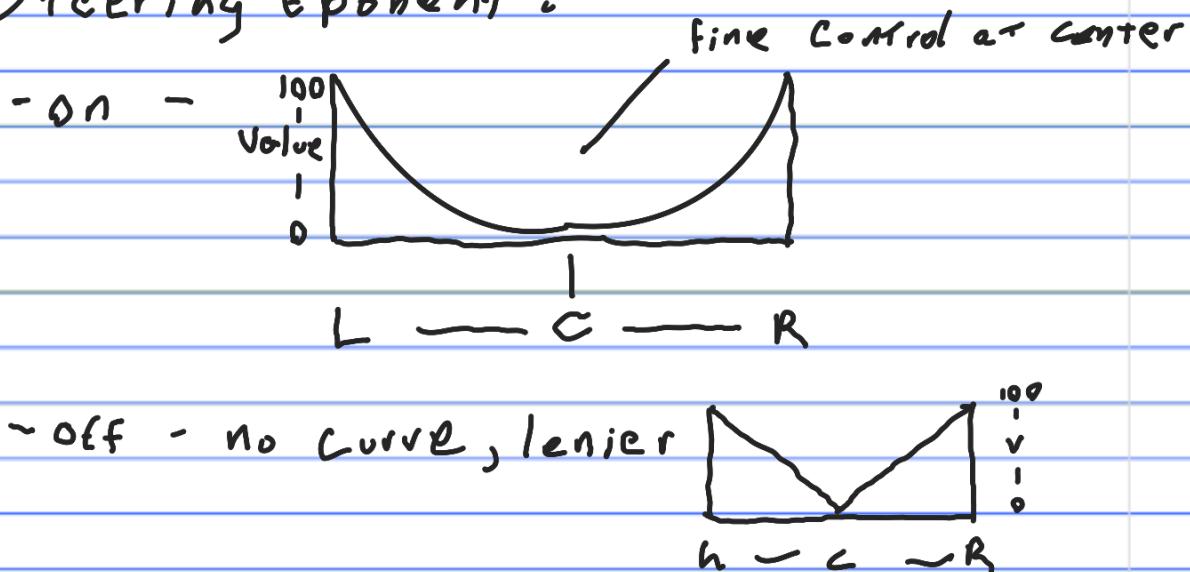
3-Dip switch settings

- Steering exponent - on/off
- Throttle curve - on/off
- Brake curve - on/off

\* Aux can be used as Z-Axis.  
if T/B curve is enabled its  
value will also affect the  
aggressiveness of the curve.

## Adjustability:

Steering Exponent:



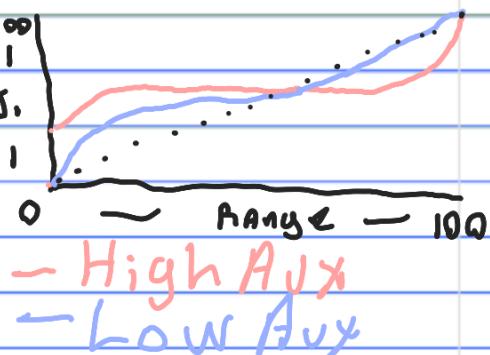
Throttle Curve: (Logit Curve)

Accelerator/Brake:

- On: Provides more control in Center Range and snaps to full.
- Off: Normal, lenier.



Z/Aux: used to modify the aggression of the Adj. Curve.



Hardware:

## - 2~6 Channel Transmitter/Receiver.



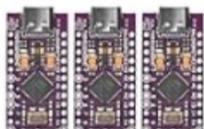
DUMBORC X6PM-350 Lightweight RC Transmitter with Gyro  
Receiver X6FG Mini RC Remote Controller for RC Cars  
Truck/Crawler/Racing/Boat/Tank

→ 35

The Dumbo RC X6PM-350 has 6 channels: 3-Buttons and an Aux channel on Ch5 that can be rotated for Z-Axis.

ST, th/Br, B1-3, Aux

## - Arduino Pro Micro - ATmega32U4 → \$10



OSOYOO 3pcs ProMicro Board ATmega32U4 Leonardo  
5V/16MHz Module Board Type C Port for Arduino

