

## Eachine Warbirds such as Mustang and other 4 channel Volantex models

1. 4 Channel (Aileron, Elevator, Throttle, Rudder) *plus* a channel for stabilization mode
2. Stabilizer
  - a. Beginner self-leveling and restricted turning angle/rate
  - b. Intermediate self-leveling and un-restricted turning angle/rate
  - c. Advanced NO self-leveling, no turn restrictions
3. **If** you use “Companion” on your computer, then set **your** radio type in Companion with Settings -> Radio profiles.

### IMPORTANT

1. The choice of switches and pots/sliders shown below, suits my radio and my style. *You need to allocate switches etc, to suit your radio and your style. BUT, this does **NOT** affect the basic model set up, nor affect output channel allocation on the pictures that follow.* For example, choose a 2 position switch for Thr cut and a 3 position switch for the 3 stabilization options.
2. My radio is RadioMaster Zorro, Mode 2, again this **does not alter** basic model set up.

### Radio channel allocation (MUST be “AETR” for any multiprotocol transmitter)

Channel Num	Order	Use
1	A	Aileron
2	E	Elevator
3	T	Throttle
4	R	Rudder
5	Stab Mode	Stabilization mode (Beginner/Intermediate/Advanced) <b>Model specific.</b>

**Note** – The multiprotocol module automatically rearranges the transmitter output order, to suit the receiver protocol selected.

**Protocol** – settings. See “1- Setup” next page.

Setting	Value
<b>For an Internal Protocol Module</b>	Internal Radio System
<b>For an External Protocol Module</b>	External Radio System
<b>Protocol</b>	Multi
<b>Multi Radio Protocol</b>	V761
<b>Sub Type</b>	4 Channel

Cont’d over

## 1 - Setup – SET THIS FIRST

Model: P51Mustang

Timer 1: 00:00:00 OFF Countdown Silent Start 20s Minute Call Not persistent

Timer 2: 00:00:00 OFF Countdown Silent Start 20s Minute Call Not persistent

Timer 3: 00:00:00 OFF Countdown Silent Start 20s Minute Call Not persistent

Throttle Source: THR Throttle Trim Idle Only:  Throttle Warning:  Reverse Throttle:  Throttle trim switch: TrmT

Trim Step: Fine Extended Limits:  Extended Trims:  Display Checklist:  Edit Checklist...

Trims Display: Never Global Functions:  ADC filter: Global

Center beep:  Ele:  Thr:  All:  S1:  S2:

Warnings: Switch Warnings: SB  SC  SE  SF  Pot/Slider Warnings: OFF  S1  S2

Internal Radio System: Protocol: Multi Start: CH 1 Channels: 16

Multi Radio Protocol: Volantex V761 Receiver No.: 31

Sub Type: 4 Channel Fallsafe Mode: Not set Bind on channel:  Low Power:  Disable Telemetry:

Notes:

Set Internal Radio System **OR** External Radio System as above.

### **Important:**

1. Set the protocol sections as shown.
2. Set the Receiver Number to a UNIQUE number for each receiver that you use.
3. For the Eachine planes, they bind better when “Low Power” is selected as shown above. For indoor flying this should stay in this mode to lessen interference with the other close by radios & planes. *Once bound, untick this if flying this model outdoors.*

### Throttle Warning

Set this so you are warned if the throttle is not all the way down before the transmitter is activated.

### Switch Warning (above picture)

To ensure that the Thr Cut (Sw E) is active and Stabilizer (Sw B) is on “Beginner Mode”, the radio checks their position prior to activating the radio. If these switches are not set appropriately, you get a warning on the radio screen and cannot proceed until the error condition is corrected i.e. until you set the switches to expected position. See **IMPORTANT** note re switch allocation at the start of this document.

Cont'd over

## 2 - Inputs – BEST IF ORDER IS “AETR” for page consistency.

I1:Ail	Ail Weight (+100%) Expo (40%) Switch(SF↑) [Hi Rat]
	Ail Weight (+80%) Expo (40%) Switch(SF↓) [Lo Rat]
I2:Ele	Ele Weight (+100%) Expo (40%) Switch(SF↑) [Hi Rat]
	Ele Weight (+80%) Expo (40%) Switch(SF↓) [Lo Rat]
I3:Thr	Thr Weight (+100%)
I4:Rud	--- Weight (+100%) Expo (40%) Switch(SF↑) [Hi Rat]
	--- Weight (+80%) Expo (40%) Switch(SF↓) [Lo Rat]
I5	

See **IMPORTANT** note re switch allocation at the start of this document.


See appendix 1.

Set this next.

## 3 - Outputs – ORDER MUST BE ‘AETR’.

The multiprotocol unit will rearrange the order to suit the particular protocol/receiver selected.

#	Name	Subtrim	Min	Max	Direction
CH1	AiO	<input type="checkbox"/> GV 0.0%	<input type="checkbox"/> GV -100.0%	<input type="checkbox"/> GV 100.0%	---
CH2	EiO	<input type="checkbox"/> GV 0.0%	<input type="checkbox"/> GV -100.0%	<input type="checkbox"/> GV 100.0%	---
CH3	ThO	<input type="checkbox"/> GV 0.0%	<input type="checkbox"/> GV -100.0%	<input type="checkbox"/> GV 100.0%	---
CH4	RuO	<input type="checkbox"/> GV 0.0%	<input type="checkbox"/> GV -100.0%	<input type="checkbox"/> GV 100.0%	---
CH5	StO	<input type="checkbox"/> GV 0.0%	<input type="checkbox"/> GV -100.0%	<input type="checkbox"/> GV 100.0%	---



See appendix 2.

Notes:

1. “AiO” is “Aileron Output” & the rest of the labels follow suit.
2. “StO” label is “Stabilizer Output” i.e. set Stabilizer/Gyro mode.
3. If any output goes the wrong way, e.g. elevator moves the wrong direction when you move the elevator stick, then change the **direction** on this screen.

Now set this

## 4 - Mixes

CH1: AiO	I1:Ail Weight (+100%)
CH2: EiO	I2:Ele Weight (+100%)
CH3: ThO	I3:Thr Weight (+100%)
	:= MAX Weight (-100%) Switch(SE↑) [Cut]
CH4: RuO	I4:Rud Weight (+100%)
	+ = I1:Ail Weight (+40%) [Aix]
CH5: StO	SB Weight (+100%) [Stab]

Notes:

1. “:=MAX Wt (-100%) Sw (SE^)[Cut]” - this is a simple Thr cut switch set up. It is added as an extra line immediately below CH3 Throttle. This is **not essential** but is a VERY desirable safety feature. “[Cut]” is the line name and is **not essential** but makes for easier reading. **See appendix 2.**
2. “+ = I1:Ail Wt (+40%) [Aix]” – This is added as an extra line immediately below CH4:RuO. This mix moves the rudder at the same time that you move the Ailerons. It uses 40% of the amount of Ail

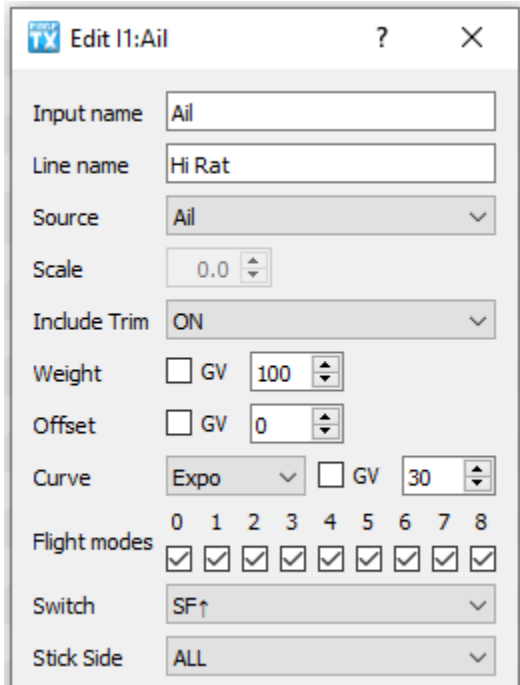
input. This enables the plane to turn more quickly and more stably when flying in the tight confines of our indoor venues. It is **not essential** but makes the plane easier to control indoors. “[AiX]” is the line label and is **not essential** but makes for easier reading. When you become more proficient and can manage Rud and Ail at the same time then you can remove this mix line or reduce the 40% down to 30% or even 10%.

See **IMPORTANT** note re switch allocation at the start of this document.

**5 - Logical Switches** Not used

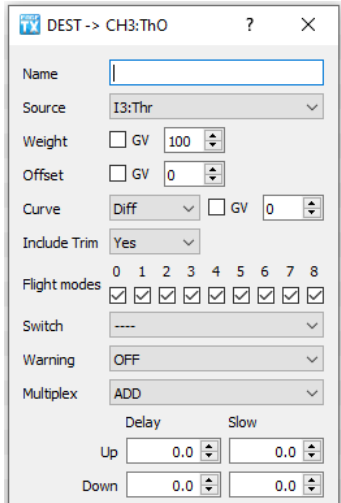
**6 - Special Functions** Not Used

Appendix 1 – Sample aileron **INPUT** set up as used above.



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Appendix 2 – sample throttle and throttle cut MIX set ups used above.



Make sure to set all 4 items marked below with red arrows. The blue one is optional.

