## 20. 功能操作 General Functions Description

### 20.01 功能介绍 Introduction



(Pic 20.1)

所有的功能使用一套标准的用户界面对象。
屏幕底部包含以下图标：

All functions use a set of standard user interface objects.
The bottom tray can contain the following buttons:

返回图标用于返回上一页面。
The back buttons returns to the previous screen.

默认图标可将当前页参数恢复到默认值。
The default button sets back the current page parameters to their default values.

一些功能需分配**开关**、**逻辑开关**、**摇杆**或**旋钮**来控制。有些功能需分配**开关**或**逻辑开关**来开启/关闭,有些功能需分配**摇杆**或**旋钮**来调节参数
Some functions require usage of 1-4 as stated in 20.02 below to enable proper control.
Some functions require usage of 1 and 4 as stated in 20.02 below to turn on or off.
Some functions require useage of 2 and 3 as stated in 20.02 below to adjust parameters.

这两个按钮代表当前功能开启和关闭。
当您点击此图标时会出现如下对话框　当前功能开启　　当前功能关闭

These 2 buttons respectively enable and disable the current function.
When you touch this icon the turn on and turn off icons will be displayed

### 20.02 开关功能说明 Switch Function Details:



(Pic 20.2)

**1** 分配**开关**（SwA~SwH）定义功能开启/关闭，可点开关方向为**向下**、**中间**或**向上**为开启。
Choose one switch direction from upward direction, middle direction and downward direction
as the open status when the switches (SwA~SwH ) are assigned to enable or disable functions.

**2** 分配**摇杆**（Ail、Ele 、Thro、Rud）调节功能的比率，将会模拟**摇杆**成线性变化。
The sticks(Ail、Ele 、Thro、Rud) are assigned to adjust the function rates.

**3** 分配**旋钮**（VrA~VrE）调节功能的参数，将会将成线性变化。
The knobs (VrA ~ VrE) are assigned parameters to adjust the function rates.

**4** 分配**逻辑开关**（LSW，LS1~LS3）定义功能开启/关闭，逻辑开关功能见 **Pic 20.2**
The logic function needs to be defined at first when logic switches (LSW,LS1~LS3) are assigned to enable or disable functions. Logic switches function as shown in picture 20.2

如图**Pic 20.2**所示，为默认四通道飞机结构，CH5辅助通道。
Picture 20.2 shows the default four channel aircraft structure and CH5 auxiliary structure

### 20.03 复位功能说明 Reset Function Details:



(Pic 20.3)

当您点击此图标时会出现如下对话框:
是: 返回到默认值
否: 无操作

Pressing this icon will display screen as shown in picture 20.3
Yes: reset to default the current displayed function
No: no operation

菜单右上角" ? "点开可获得帮助信息

Please touch the" ? "in the top right corner to get help information

**备注：**做出确定时您要小心，它会将此功能的参数全部恢复到出厂值。
Please use this function with care, as this will reset all parameters to factory settings and you will lose any changes you have made

### 20.04 帮助功能说明 Online Help Function Details:



标题栏显示当前功能或菜单。
A title bar displays the name of the current function or menu.

点触标题栏右边的问号可获得操作提示。
A white question mark on the right of a title bar indicates that contextual help is available.
Touch the question mark to see the help details.

点触下方任意地方向上滑动，帮助页面将会向下滚动。
点触下方任意地方向下滑动，帮助页面将会向上滚动。
点触页面下方的返回图标回到上一功能。

To scroll down a help page, touch the bottom of the page and slide up.
To scroll up a help page, touch the top of the page and slide down.
Touch the back button in the bottom tray to return to the function page.

**(Pic 20.4)**

### 20.05 上下滑动菜单说明1 Scrolling Menu Details:
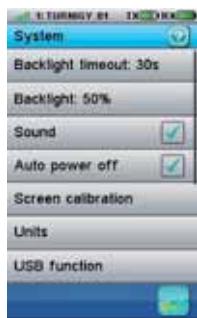


可以选择垂直方向的菜单其中一个选项即可进入下一级菜单或者对其中某些功能做直接选定确认。
To select an option use the vertical menu.

此示例显示System设置。右边灰色竖条说明菜单的长度和当前位置。
This example selects the System option.
The gray vertical bar on the right is used for scrolling.

点触下方任意地方向上滑动，垂直方向的菜单向下滚动。
点触上方任意地方向下滑动，垂直方向的菜单向上滚动。
点触选定的菜单项即可完成选择。

To scroll down the vertical menu, touch it at the bottom and slide up.
To scroll up the vertical menu, touch it at the top and slide down.
To select a menu item, simply touch it.

**(Pic 20.5)**

例1 ：怎样开启或关闭声音
Example one :How to turn on or off sound

例2 :怎样进入下一级子菜单
Example two : How to enter the next submenu
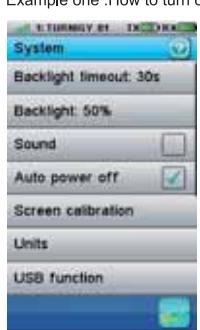


**(Pic 20.6)**
关闭声音
No sound
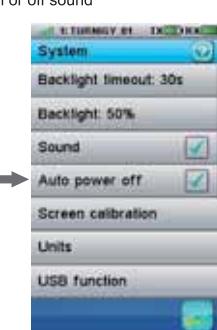
**(Pic 20.7)**
开启声音
Sound enabled
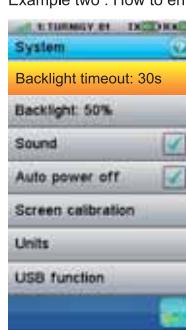
**(Pic 20.8)**

**(Pic 20.9)**
调整背光时间
Set backlight timeout
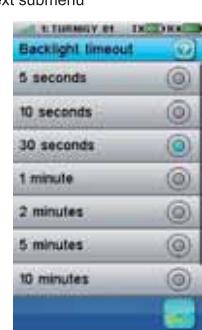
**20.06** 上下滑动菜单说明2　Vertical Scrolling Function Details:

此类菜单是针对有多个选项菜单的操纵方式
This is the default menu for selecting system parameters

此示例显示Select model设置。右边灰色竖条说明菜单的长度和当前位置。
This example selects the sytem parameter to set.
The right gray vertical bar indicates the lengths of the menu and the current position in it.

点触下方任意地方向上滑动，垂直方向的菜单向下滚动。
点触上方任意地方向下滑动，垂直方向的菜单向上滚动。
点触选定的菜单项即可完成选择。
To scroll down a vertical menu, touch it anywhere on its bottom and slide it up.
To scroll up a vertical menu, touch it anywhere on its top and slide it down.
To select one of the menu items, simply touch it.

蓝色球体代表当前选择的选项，如需选择其它的选项，只需点击该选项。
The blue ball indicates the currently selected value. To select another value, simply touch it.

**(Pic 20.10)**

例如：如图20.10所示,表示当前选定的是TURNIGY 01项
For example : picture 20.6 has selected the TURNIGY 01 option

**20.07** 多项功能设定对话框功能操作说明　Multi-function dialog settings:

大部分功能是通过对话框设置的。
对话框包含一套不同的对象。
点触一个按钮将执行或选择相对应的功能。
Most functions are set using a dialog box.
A dialog box contains a set of different objects.
Touching a button will execute or select the function associated to it.

**(Pic 20.11)**

此图包含了以下内容：
This example contains the following objects:
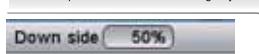
**(Pic 20.12)**

被选择的参数数值将会显示在对话框上端的数值框内。
The value of the selected parameter is displayed in the value box on the top of the dialog box.

**(Pic 20.13)**

图示为当前舵机端点位置
Servo end point position
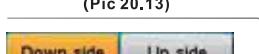
**(Pic 20.14)**

低端和高端按钮是选择需调整的参数。
点触按钮即可激活该功能。
被选中功能的图标显示为黄色。
The 2 buttons "down side"and"up side" select the parameter to modify.
To activate a button, simply touch it.
The selected option is highlighted in yellow.

**(Pic 20.15)**

图示为当前通道输出值
Channel - Aileron output value
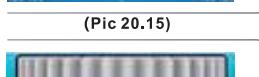
**(Pic 20.16)**

页面底部的转轮用于调整被选参数数值。
向左滑动转轮可减少参数值，向右转动滑轮可增加参数值。
The wheel at the bottom allows modification of the selected parameter value.
To decrease the parameter value, touch the wheel any where on the right and slide it to the left. To increase the parameter value, touch the wheel anywhere on the left and slide it to the right.

## 21. 通用功能菜单 General function menu

### 21.01. 正逆转 Reverse

**功能说明：**

此功能主要是针对不同类型的舵机其通道输出方向不同，以及不同机种的安装方式的不同，而做的一个配套功能。用以调整舵机及通道的输出方向。此功能对任一通道都可以做调整，最终使所有通道输出达到控制要求！

**正逆转**功能可分别逆转10个通道的舵机方向。

点触**正逆转**下需设置的通道，包括10个复选框勾选后，即可实现该通道方向逆转。

如图21.1所示：只有CH3是反向的，其它通道是正常操作的。

**！请务必在设置任何其它功能之前完成舵机逆转。如果使用飞机中有混控功能控制多个舵机必须事先将各个功能设定好，否则很容易混淆哪个舵机需要逆转，如果在设置其它功能后完成舵机逆转，其它功能也会逆转。**

**！操控时，请先确认飞机所有舵机的动作方向与操控方向一致。如果不一致，请调整好正确的方向。**

**Function Details**

This function enables the user to modify the direction of operation of each ot the ten servos.  For each channel the user can toggle a reverse state based on demand

The **reverse** function individually reverses the direction of operation of the servos on the 10 channels. This menu contains 10 check boxes, one for each channel. To toggle the **reverse** state of a channel, just touch it.

As shown in the picture 21.1,  only the third channel is reversed, the other channels operate normally.

**! Always complete your servo reversing prior to any other programming. If mix functions control multiple servos, it may be confusing to tell whether the servo needs to be reversed or a setting in the function needs to be reversed.**

**! Always check servo directions prior to make sure they are in the same way with operation direction. If not, please adjust to right direction.**
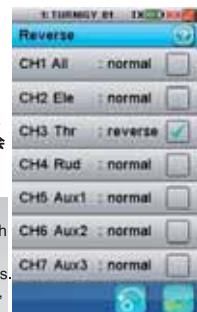
**(Pic 21.1)**

### 21.02. 最大舵量 End points

**功能说明：**

此功能主要是此功能主要是针对不同类型的舵机及通道输出最大量做调整。以便让舵机输出及通道数据输出符合结构设计，以及对性能的要求。最终达到最佳的控制效果！此功能可针对任一通道做调整。

**舵机最大行程**可分别调节10个通道的舵机高低行程限制。按照飞机的结构调节舵机最大行程。

点触**舵机最大行程**下需设置的通道，拨动摇杆或点触选择**高端**、**低端**，被选中的一侧会呈现黄色，红色指针代表选定的位置，滑动转轮调节**舵机最大行程**数值。拨动**摇杆**相关通道的位置即时呈现。

如图21.2所示：点触选择了CH2的**舵机最大行程**的高端，滑动转轮调节至50%，此时**CH2摇杆**打到最上边，通道的位置处于50。

**Function Details:**

This function enables the user to control the low and high travel limits for each servo. For each channel the user can set the low and high limits.  This ensures that the channel data for the servo is consistent with structural design and performance requirements to ensure the best results.  Adjustments can be made for any channel

The **end points** function individually adjusts the low and high travel limit of each servo on the 10 channels. Set the end points according to your airplane structure.

To choose the side of one channel **end point** to set, move the **stick** to the desired **low or high side** or just touch the corresponding button. The selected side will be highlighted in yellow. The red needle represents the selected side. Use the wheel to move it and modify the **end point** value. The position of the corresponding channel is displayed in real time.

As shown in the picture 21.2, the acceleration side of the elevator is selected and the elevator trigger is half accelerating.

CH2摇杆打到最右边
CH2 stick to the far right
**(Pic 21.2)**

### 21.03. 记忆微调 Subtrim

**功能说明:**

此功主要是针对舵机与结构安装配合时产生的角度差，及舵机因结构固有间隙产生的角度差而要进行修正调试时用于调整此类问题。最终达到最佳的控制效果！

**记忆微调**可分别调节10个通道舵机的中位。当舵机调节不能满足需要时，该功能的调节作用就尤为明显。

点触**记忆微调**下需设置的通道,滑动转轮调节所选择通道的**记忆微调**数值，红色指针为当前位置。相关通道位置即时呈现。

点触选择了CH1，红色指针处于50%状态，通道的位置如图21.3所示。

**Function Details:**

This function enables the user to control the structure and angle difference for each channel on the servo.  This allows the user to make adjustments to get the best results for their system

The **subtrims** function individually adjusts the center position of each servo of the 10 channels. This is particularly useful when the servo mechanics doesn't allow an adjustment fine enough.

Touch the channel which **subtrim** must be adjusted. Use the wheel to move the red needle and modify the **subtrim** value of the selected channel. The position of the corresponding channel is displayed in real time

As shown in the picture 21.3, the channel 1 has been selected and the red needle is at the position of 50% .

**(Pic 21.3)**

## 21.04 微调 Trims

**功能说明：**

此功能是针对通道输出做修正用的，用于修正通道的输出值。现在很多玩家主要用于修正模型的重心问题及空气动力所产生的反扭力等问题的补尝。从而让模型在空中能保持稳定的姿态！此功能只针对CH1-CH4通道做调整。

微调可分别调节4个通道摇杆的中位，可复位和实时显示4个**摇杆**及**微调杆**的位置。

点触**微调**将实时显示当前**微调**位置，当点击**复位键**时当前设定的**微调**均返回0。在任何界面下拨动**微调杆**，也会显示当前**微调**位置，等待2秒后会返回原功能界面；

点触选择了**油门**通道，拨动**微调杆**至+20，通道的位置如图21.4所示。

**Function Details:**

This function is to amend channels' output and value of channels' output. So far there are a lot of players use it to amend center gravity of model and Revomix caused by aerodynamic, etc. So it makes model more stable in the air. This function is only available for CH1-CH4

The **trims** function individually adjusts the center position of each servo of the 4 channels. It also can reset and display in real time the conditions of 4 **sticks** and **trim button.**

The current condition of the **trim** will be displayed after touching the **Trims** icon. Touch the **reset button** and all the **trim** value will be back to 0. The trims condition will be displayed when moving the **trim stick** in any condition and it will be back to the original interface after 2 seconds.

As shown in the picture 21.4, the **throttle** is selected and move the **trim sticks** to the position of +20.

**(PicP 21.4)**

## 21.05. 指数 Scaling Exponentials

功能说明：

此功能是一个特殊功能，它有两个子功能：一个是双重比率设定，一个是指数设定，双重比率功能主要是针对不同的飞行要求，所做的不同比率设定。比如：做3D时要求动作要大，而做3A时则要求动作要小。另外对初学者来说动作要小，对熟手来说动作大一些，均可以通过比率设定来完成。指数功能主要针对专业人员所做的一项设定，以达到最佳的控制效果。当Exp为正数时，中立点数据输出灵敏度降低，两个端点的数据输出灵敏度升高，如果为负则反之。

**指数**用于调节摇杆或电位器的**比率**和**指数**，该功能一旦被激活，则有2个按钮用来选择需要修正的参数数值。此功能可分别在5个**状态**下设定。

**比率：**用于调整曲线的倾斜度。倾斜度越小，对应的输出量的抛物线越短。

**指数：**可分别调节所有**摇杆**或**旋钮**（Ail、Ele、Thro、Rud、VrA~VrE）的转换**曲线。指数**数值是0时，**曲线**是线性的。正值会减少中位附近的灵敏度，增加两端的灵敏度。负值则增加中位附近的灵敏度，减少两端的灵敏度。

垂直的点线显示**摇杆**或**旋钮**即时位置。水平的点线显示**指数**功能调整后的通道输出的位置。

点触**指数**下需设置的**摇杆**或**旋钮**，激活开启按钮后选择**比率**或**指数**按钮，滑动转轮调节相应数值。可选择**一个开关**(SwA~SwH、LSw)来控制**指数**功能的**开启**或**关闭**，**比率**和**指数**功能也可分配给**一个摇杆**或**旋钮**（VrA~VrE）来控制。

如图21.5所示：点触选择了VrA，激活开启按钮并调节**指数**参数至最大值。垂直的点线表示VrA当前在左边60的位置，在这种设定下通道输出，即水平的点处于低端20~40之间。

**Function Details:**

This function is a special function which has two sub-functions: one is dual rate setup and the other is exponent setup. Dual rate function is used to set different rate according to different type of aircraft. For example: Aircraft needs larger movement when you choose 3D and it needs smaller movement when choose 3A. In addition, smaller movement is appropriate for beginners and larger movement is appropriate for practiced ones. All above needs to be completed by setting rate. Exponential function is used to get a better effect for professionals. When exp is positive, the sensitivity of neutral point data's output will be decreased and the sensitivity of two terminal points will be increased. It is opposite when Exp is negative

**Exponentials** function is used to adjust the **rate** and **exponential** of the airplane. Once activated, 2 buttons select which parameter value to modify. The function can be set in 5 **conditions**. (Condition instruction can be acquired on manual from page1 to page 7).

**Rate:** adjust the slope of the curve. The smaller is the slope, the shorter is the throw of the corresponding servo.

**Exp:** adjust the linearity **curve** of all **sticks** or knobs  (Ail、Ele 、Thro、Rud、VrA~VrE). A value of 0 corresponds to a perfectly linear **curve.** A positive value decreases the sensitivity near the neutral position and increases it on the extreme sides. A negative value increase the sensitivity near the neutral position and decreases it on the extreme sides.

The vertical dotted line displays in real time the position of the corve. The horizontal dotted line displays in real time the corve position after the **exponential** function.

Select the **stick** or the **Knob** which need to set. After that,  touch the enable button to enable this function and then select the **Rate** button or the **Exp.** button. Use the wheel to modify the corresponding value.

As shown in the picture 21.5, VrA is selected. The **exponential** function is activated. The selected parameter is rate and is set to its maximum value. The horizontal dotted line shows the VrA 60 on the left side. But the horizontal dotted line indicates that the resulting channel output is at the position between 20 and 40 under the middle position showing the efficiency of the exponential function.

**(Pic 21.5)**

## 21.06. 副翼方向 Aileron to rudder

**功能说明：**

当飞机结构有**副翼**和**方向舵**时，如果将**副翼**混控到**方向舵**进行预编程混控，可以用作飞机自动协调转弯；此设置调节飞机对应混控通道舵量的比例，默认均为10%，当结构没有**副翼**或**方向舵**将没有**副翼混控至方向舵**功能，主菜单中没有此功能图标。此功能可分别在5个**状态**下设定。

激活开启按钮后点触需设置的**低端**或**高端**比率进行设置，滑动转轮调节相应数值；可选择一个开关(SwA~SwH、LSw)来控制此功能的**开启**或**关闭。**

如图21.6，21.7所示：激活**开启**按钮并选择**低端**调节数值至20%，**高端**调节数值至20%，在这种设定下**副翼摇杆**打到最左边，**副翼**通道位置显示在左边100位置，而**方向舵**通道位置显示在左边20位置；**副翼摇杆**打到最右边，**副翼**通道位置显示在右边100位置，而**方向舵**通道位置则显示在左边20位置。

**Function Details :**

The **aileron** to **rudder** automatically creates a coordinated turn for the aircraft with **aileron** and **rudder**. It is the pre-programmed mix which controls the **rudders** with the **aileron** operation and can modify the master channels rate, which is 10% by default. If the aircraft does not have the **aileron or the rudder**, these two function icons will not be displayed. This function can be set in five **conditions**.

Select the desired **low side** or **high side** to set the rate and move the wheel to modify the corresponding values after activating this function. This function can be assigned to a **switch** (SwA~SwH、LSw).

For this example: The **low side rate** is set to 20% and the **high side rate** to 20% . Move the **rudder stick** to the far left, and the corresponding channels are displayed as shown in picture 21.6. Move the **aileron stick** to the far right, and the corresponding channels are displayed as shown in picture 21.7.



副翼摇杆打到最左边
Aileron to the far left
**(Pic 21.6)**

副翼摇杆打到最右边
Aileron to the far right
**(Pic 21.7)**

## 21.07. 方向副翼　Rudder to aileron

**功能说明：**

当飞机结构有**方向舵**和**副翼**时，如果将**方向舵**混控到**副翼进行**预编程混控，可以用作防止飞机随着**方向舵**输入时产生的不必要的横滚，尤其是在做侧飞时；此设置调节飞机对应混控通道舵量的比例，默认均为10%，当结构没有**方向舵**或**副翼**将没有**方向舵混控至副翼**功能，主菜单中没有此功能图标。此功能可分别在5个**状态**下设定。

激活开启按钮后点触需设置的**低端**或**高端**进行设置，滑动转轮调节相应数值；可选择一个开关(SwA~SwH、LSw)来控制此功能的**开启**或**关闭。**

如图21.8，21.9所示：激活**开启**按钮并选择**低端**调节数值至20%，**高端**调节数值至20%，在这种设定下**方向舵摇杆**打到最左边，方向舵通道位置显示在左边100位置，而**副翼**通道位置显示在左边20位置；**方向舵摇杆**打到最右边，方向舵通道位置显示在右边100位置，而**副翼**通道位置则显示在左边20位置。

**Function Details:**

This function can be used to counteract undesirable roll of aircraft with **rudders** and **ailerons**. This happens with the **rudder** input, when it is crabbing . It is the pre-programmed mix which mixes the **aileron** with the **rudder** operation. This setup can modify the master channel's rate, and the default value is 10%. If the aircraft does not have the **aileron or the rudder**, these two function icons will not be displayed. This function can be set up in each of five **conditions**.

Select the desired **low side** or **high side** to set the rate and move the wheel to modify the corresponding value after activating this function. This function can be assigned to a **switch** (SwA~SwH、LSw).

As shown in pictures21.8 and 21.9: The **low side rate** is set to 20% and the **high side rate** to 20% . Move the **rudder stick** to the far left, and the corresponding channels are displayed as shown in picture 21.8. Move the **rudder stick** to the far right, and the corresponding channels are displayed as shown in picture 21.9.



方向舵摇杆打到最左边
Rudder stick to the far left
**(Pic 21.8)**

方向舵摇杆打到最右边
Rudder stick to the far right
**(Pic 21.9)**

### 21.08. 油门曲线    Throttle Curve

**功能说明:**

用来调节飞机油门的操作曲线，使**摇杆**动作和**油门**的响应相协调，为了补偿油门不线性问题；

此设置可以调节**油门曲线**的11个点（L，2~10，H）从0%调整到100%，水平的点线显示油门**摇杆**的即时位置，垂直的点线显示此功能应用后**油门输出**的即时位置；当飞机结构没有**引擎（如滑翔机）**时将没有**油门曲线**功能, 主菜单中没有此功能图标。此功能可分别在5个**状态**下设定。

激活开启按钮后点触需设置的点进行设置，滑动转轮调节相应数值。

如图21.10所示：点触**开启**按钮激活了**油门曲线**功能，调节2点数值至20.0%，3点数值至36.5%，4点51.5%，5点64.0%，6点74.1%，7点80.0%，8点85.5%，9点90.0%，10点95.0%，在这种设定下**油门摇杆**在中位以下（即L，2~6点）油门输出相对**油门摇杆**在中位以上（即6~10，H点）加油较快,在设置曲线时，可以选择3/5/7/9/11点V性和/型曲线。

**Function Details:**

This function enable the user to  adjusts the  operation curve of the aircraft throttle and make it  coordinate the **stick** movement and **throttle** output to compensate the non-linear problems of the throttle.

The 11 points (L, 2~10, H) of **throttle curve** can be adjusted from 0% to 100%. The horizontal dotted line displays in real time the throttle **stick** position. The vertical dotted line displays in real time the position of the **throttle output** after the **throttle curve** function has been applied. If the airplane and helicopter does not have an **engine**, this icon will not be displayed. This function can be set in five **conditions**.

Select the desired point to set and move the wheel to modify the corresponding value afteractivating this function.

For this example 21.10: The **throttle curve** function is activated. Point 2 is set  20%, point 3 30%, point 4 40% and point 5 50%,point6 74.1,point 7 80%,point 8 85.5%,point 9 90.0% and point 10 95.0%.  In this situation, when theposition of the **throttle** below the neutral, that is (L,2~6), the acceleration of the **throttle needle** outputis faster than its position above the neutral ( that is 6-10, H point),V-shaped curve and "/ " shaped curve.  The two curves can be set though 3 points, 5 points, 7 points, 9 points or 11 points.



**(Pic 21.10)**

### 21.09. 油门延迟    Throttle Delay

**功能说明：**

用来降低油门输出的响应速度，比如模仿涡轮发动机的慢速响应等. 可设定0~10s，默认为0s。当飞机结构没有**引擎**（如**滑翔机**）时将没有**油门延迟**功能，主菜单中没有此功能图标。

滑动转轮调节延迟时间，红色条线图表示油门**摇杆**的位置，绿色条线图表示通道的位置。

如图21.11所示：调节延迟时间为5s，此时油门**摇杆**从最低端打到最高端，因为有5秒延迟，当前位置为1秒时的油门通道即时位置，显示为20。

**Function Details :**

**Throttle delay** is used to reduce the response speed of throttle output and imitate turbine **engine** in airbrake, which can be set from 0s to 10s. If the airplane does not have an **engine**, such as a **glider**, this icon will not be displayed.

Move the wheel to set the throttle delay time.The red bar  represents throttle **stick** position and the green bar  represents channelposition.

As shown in the picture21.11: The delay time is  5 seconds. There will be 5 seconds delay when moving throttle **stick** from bottom side to top side. Due to 5 seconds delay, the throttle is in the position when it is one second and it displays 20%



**(Pic 21.11)**

### 21.10. 收油门 Throttle Down

**功能说明**：

此功能分为两项，第一项为**怠速**设定，第二项为**油门锁定**设定，它们都是在调试及调整模型时使用的。其中怠速用于有引擎的模型让它保持低转速而不熄火。而**油门锁定**则是让模型油门完全让遥控器锁定不做输出。

此功能用来调节**低怠速**的比率和**熄火**功能的**开启**或**关闭**，低怠速从可0～50%间调节。此功能可分别在5个**状态**下设定。

**低怠速**功能开启时油门输出将会减去设定的比率值。

**熄火**功能开启时油门输出会降到最低。

**熄火**功能优先于**低怠速**功能；当**熄火**功能开启后调节油门摇杆时油门没有输出。默认**低怠速**和**熄火**功能均为**关闭**，**低怠速**默认比率为10%。

点触选择两个开关(SwA~SwH、LSw)分别控制这两个功能的**开启**或**关闭**。当飞机结构没有**引擎**（如**滑翔机**）将没有**收油门**功能，主菜单中没有此功能图标。

点触选择两个开关开启**低怠速**和**熄火**功能，滑动转轮调节**低怠速**功能数值。

如图21.12所示：**低怠速**和**熄火**功能已开启，调节**低怠速**至20%，因为**熄火**功能已开启，油门通道将没有输出。

**Function Details:**

This function contains two options: option one is **idle** setup and option two is **throttle hold** Two options would be set when you adjust models. The idle is useful for the models with engines and make models keep low rpm without shutting down. And the **throttle hold** is to completely lock model's throttle without shutting down.

**Throttle down** function is to enable **idle down** rate adjustment and **throttle cut** function turned **on** or **off**. Modify the rate from 0% to 50% after idle function is applied. This function can be set in five **conditions**.

**Idle down:** the throttle output minus the rate set in advance after this function is applied.

**Throttle cut:** the throttle output will be in its lowest point after this function is applied.

**Throttle cut function** is prior to **idle down** function. There is no output while moving throttle stick if **throttle cut** function is applied. **Idle down** function and **throttle cut** function are **turned off** by default. The default value of **idle down** is 10%.

These two functions can be assigned to 2 **switches** (SwA~SwH、LSw). If the **airplane** does not have an **engine**, this icon will not be displayed.

Select two switches to enable or disable **idle down** and **throttle cut** function and move the wheel to modify the corresponding value after activating this function.

As shown in the picture21.12: The **idle down** function and **throttle cut** are applied, and adjust the **idle down** to 20%. There is no output of throttle channel.



**(Pic 21.12)**

### 21.11. 辅助通道 Auxiliary Channels

**功能说明**：

当模型装配调整基本完成后，如果发现还有一些结构功能没有设置，此时可通过**辅助通道**来进行辅助调整完成。

**辅助通道**当飞机结构设定完成后，为剩下的通道选择**一个开关、旋钮、逻辑开关**或**摇杆**作为**辅助通道**。因飞机结构默认为四通道固定翼，所以默认辅助通道为CH5~CH10;

点触此功能下需设置的**辅助通道**，选择**一个开关、旋钮、逻辑开关**或**摇杆**对通道进行设置。

如图21.14所示：设置**辅助通道**CH5，并选择SwD向上控制该通道的开启，此时拨动开关SwD向下时，**显示舵机（显示舵机**功能见说明书P29页）里通道显示为左边100位置。

**Function Details :**

The model function allows users to set additional **auxilary channels** if the model has more than the default 4 channels. Some aircraft have more than four auxilary channels, so these additional channels can be modified using this function.

Assign the **auxiliary channel** a **switch**, a **knob**, a **logic switch** or a **stick** after finishing the airplane structure setting. The default structure is 4-channel fix wing, so auxiliary channels are from Ch5 to Ch10.

Touch the auxiliary channel needed and select a switch, a knob, a logic switch or a stick to control this function.

For this example: Select CH5 as **auxiliary channel** and push SwD upward to enable this function. At this time, the channel in **Servo display** is displayed as shown in picture 21.14
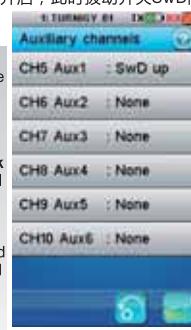


**(Pic 21.13)**
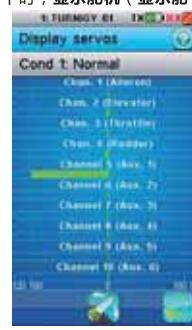


**(Pic 21.14)**

拨动开关SwD向下时
Push swd downward