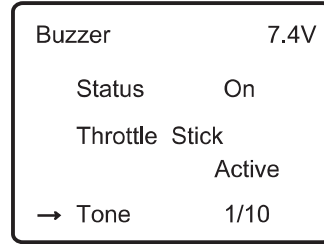**(3) Tone:**

The buzzer tone can be selected from 10 notes. You can set the tone according to your preference and test the performance.

Setting:

With the "Status" item on, press DN to move the cursor→to point to Tone item. Use R or L key to change the flashing value from 1 to 10.
Press EXT to exit after finished.

```
Buzzer              7.4V

   Status        On

   Throttle  Stick
                   Active

→  Tone         1/10
```
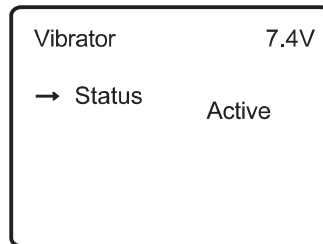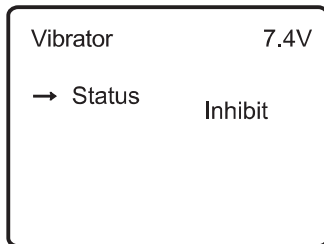
1.3 Vibrator

The vibrator is used as an alarm function to remind the users.
Setting:
Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to System Menu, press ENT to System Menu; Press UP or DN to move the cursor→to point to Vibrator, press ENT to Vibrator setting interface.

```
Vibrator            7.4V

→  Status
              Inhibit
```

```
Vibrator            7.4V

→  Status
              Active
```

There are two status as Inhibit and Active. Press R or L to select Active or Inhibit. Active means to start vibration,Inhibit means to turn off vibration.
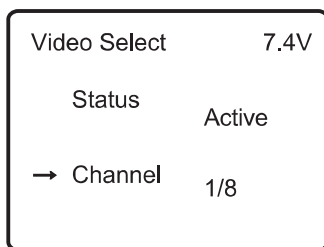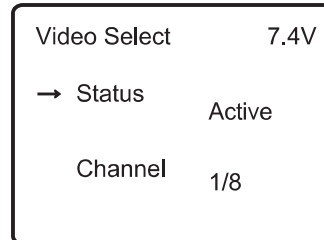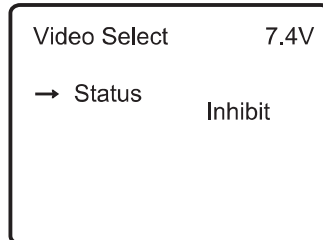
Press EXT to exit after finished.

1.4 Video Select

This function provides the settings of Inhibit or Active when choose the Video option.There are 8 channels for your choice at the state of Active.

Setting:

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to System Menu, press ENT to System Menu; Press UP or DN to move the cursor→to point to Video Select, press ENT to Video Select setting interface.

Press R or L to make the status to change Active or Inhibit, Active means to start using. Inhibit means to turn off. After Active, the interface will be show channel selection.

```
Video Select        7.4V

→  Status
              Inhibit
```

```
Video Select        7.4V

→  Status
              Active

   Channel
              1/8
```

```
Video Select        7.4V

   Status
              Active

→  Channel
              1/8
```
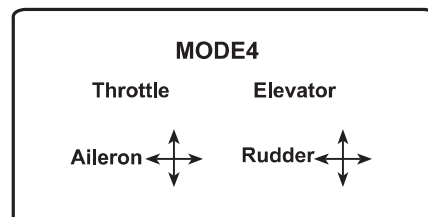
Channels options: Press DN to move the cursor→to point to Channel item as shown in the above interface. Press R or L to make the Number change between 1 to 8. With the 5.8G image transmmision module,1-8 channels could be choosed to receive the image signal.

Press EXT to exit after finished.

1.5 Stick Mode

There are 4 stick modes including Mode1, Mode2, Mode3 and Mode4. Right-hand throttle includes Mode1 and Mode3; while left-hand throttle includes Mode2 and Mode4. See Below:

Mode 2 and Mode 4 are listed in left-hand throttle.

```
        MODE2

   Throttle      Elevator

Rudder ←↕→   Aileron ←↕→
```

```
        MODE4

   Throttle      Elevator

Aileron ←↕→   Rudder ←↕→
```
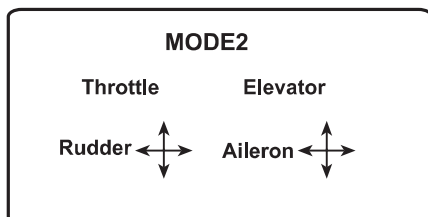
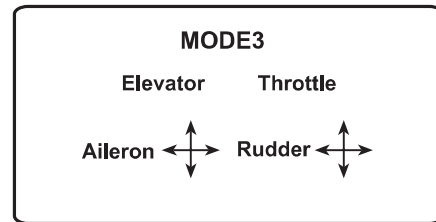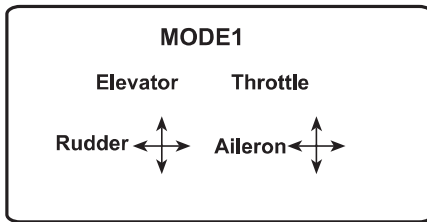Mode 1 and Mode 3 are listed in right-hand throttle.

MODE1	MODE3
Elevator Throttle	Elevator Throttle
Rudder ←↕→ Aileron ←↕→	Aileron ←↕→ Rudder ←↕→

Setting: Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to System Menu, press ENT to System Menu; Press UP or DN to move the cursor→to point to Stick Mode, press ENT to Stick Mode setting interface.
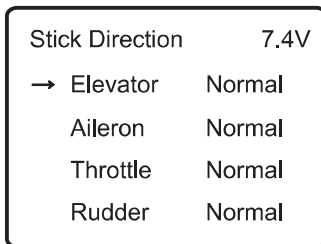
There are mode 1,mode 2,mode 3 and mode 4 for options. Press UP or DN to move the cursor→to point to desired item and then press ENT to confirm.

Press EXT to exit after finished.

```
Stick Mode            7.4V
→ ▷   Mode  1
       Mode  2
       Mode  3
       Mode  4
```
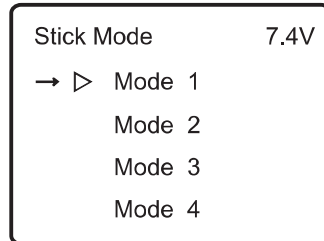
1.6 Stick Direction

Setting: Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to System Menu, press ENT to System Menu; Press UP or DN to move the cursor→to point to Stick Direction, press ENT to Stick Direction setting interface.

```
Stick Direction       7.4V
→   Elevator    Normal
     Aileron     Normal
     Throttle    Normal
     Rudder      Normal
```
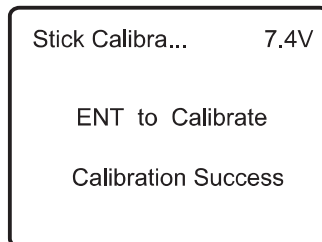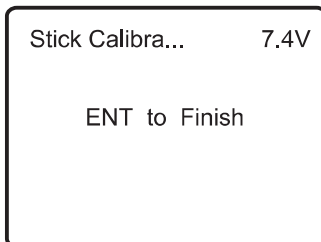
Stick Direction: There are Elevator, Aileron, Throttle, Rudder for options. Press UP or DN to move the cursor→to point to the desired item. Press R or L to change the settings of corresponding sticks. There are Normal and Reverse. The default setting is Normal.

1.7 Stick Calibration

Setting: Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to System Menu, press ENT to System Menu; Press UP or DN to move the cursor→to point to Stick Calibration, press ENT to Stick Calibration setting interface.

Stick Calibration: Mechanically move the right stick and left stick from their minimum levels to their maximum levels several times, and then return the sticks to the neutral positions, respectively.

```
Stick Calibra...      7.4V

        ENT  to  Calibrate
```

```
Stick Calibra...      7.4V

     ENT  to  Finish
```

```
Stick Calibra...      7.4V

     ENT  to  Calibrate

     Calibration Success
```

Press ENT again to stop the calibration process and the display should show the following interface(Calibration Success).

The calibration has failed if press ENT and show the following interface. Please go back to the STMOD submenu using EXT and re-start the calibration process. Press EXT to exit after finished.

```
Stick Calibra...      7.4V

     ENT  to  Finish

       Please Retry
```

1.8 About

Setting: Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to System Menu, press ENT to System Menu; Press UP or DN to move the cur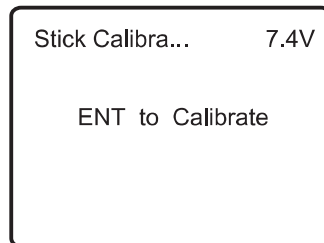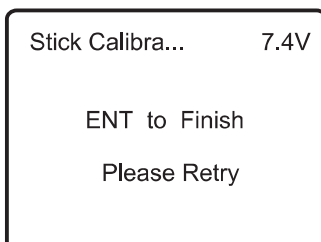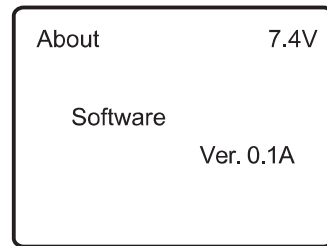sor→to point to About, press ENT to About setting interface. You can check the current versions of hardware and software.

Press EXT to exit after finished.

```
About                7.4V

  Software
                Ver. 0.1A
```

2.0 Model Menu

Model Menu manages all the model data saved in DEVO F4. It includes Model Select, Model Name, Model Copy, Model Transmit, Model Receive, Model Reset, Type Select, Trim System, Stick Position Switch, Swash Type, Power Amplifier, Fixed ID and Sensor setting.
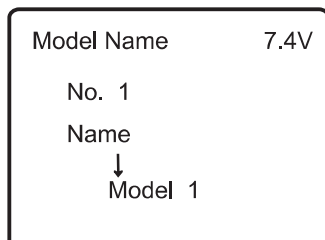
2.1 Model Select

Setting: Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Model Select, press ENT to Model Select setting interface.There are 15 different model settings to be saved. Press UP or DN to move the cursor→to point to select the model No you want and press ENT to confirm. Press EXT to exit.

```
Model Select        ↓ 7.4V

→  ▷ 1  H  Model 1
     2  H  Model 2
     3  H  Model 3
     4  H  Model 4
     5  H  Model 5
```
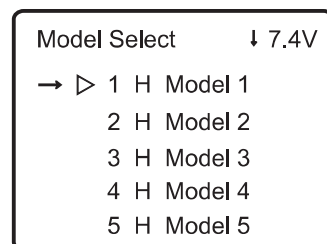
2.2 Model Name

In the menu of model name, you can make a desired name for your model for long term storage. Its data can be directly withdrawn in next flights.Repeat the step "2.1 Model Select" to choose the model you want to name or save, press EXT to back to the interface.

```
Model Name          7.4V

   No.  1

   Name
      ↓
    Model  1
```

Setting: Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Model Name, press ENT to Model Name setting interface.

Press UP or DN to move the cursor→to point to select the character and figure which are needed to be changed, press R or L button to change the character and figure, and press UP or DN to set next one. Press EXT to exit after finished.

2.3 Model Copy

Setting: Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Model Copy, press ENT to Model Copy setting interface.

```
Model Copy          ↓ 7.4V
        Source
→  ▷ 1  H  Model 1
     2  H  Model 2
     3  H  Model 3
     4  H  Model 4
```

```
Model Copy          7.4V
     Source: 1 H Model 1
   Dest
     ▷1 H Model 1
→    2 H Model 2
     3 H Model 3
```

Press UP or DN to move the cursor→to point to select the model you want to be copied as source model and press ENT to confirm, The serial No. and model name of Source Model will be shown as Illustration.

```
Model Copy          7.4V
     Source: 1 H Model 1
   Dest: 2 H Model 2


     Are you sure?
```

Then press UP or DN to locate the source model, press ENT to confirm. Then an enquire "Are you sure?" is popped up as Illustration. Press ENT to copy, or press EXT to exit.

2.4 Model wireless copy

The model data between two DEVO F4 equipments can be wirelessly copied via Model Transmit and Model Receive in Model Menu.
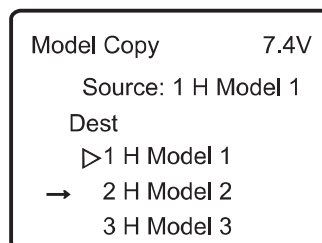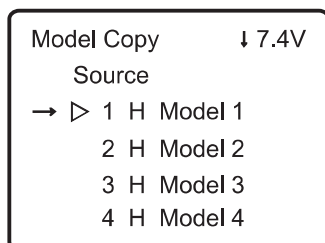
(1) Model Transmit

Setting: Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Model Transmission, press ENT to Model Transmission setting interface.

```
Model Transmit        ↓7.4V

→ ▷ 1  H  Model 1
     2  H  Model 2
     3  H  Model 3
     4  H  Model 4
     5  H  Model 5
```

Press UP or DN to choose the source model which will be transmitted, and press ENT to confirm, an enquiry information "Are you sure?" will be shown as below Illustration. Press ENT to confirm and EXT to exit.

```
Model Transmit      ↓7.4V

     No.  1

           Model 1


     Are you sure?
```

```
Model Transmit       ↓7.4V

     No.  1

           Model 1

     Transmitting...
     >>>>>>>>>>
```

Press ENT to transmit, "Transmitting ......" appears in the interface. Or press ENT to confirm. Press EXT to exit after another DEVO F4 received the data.
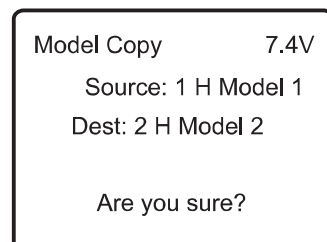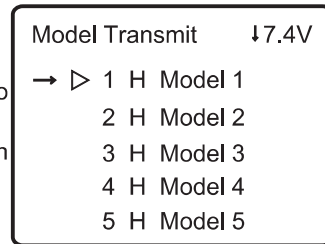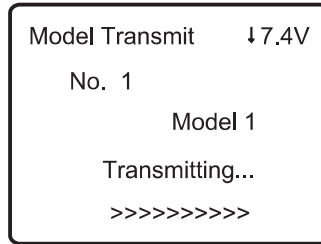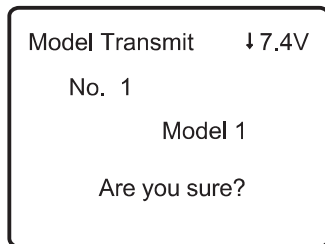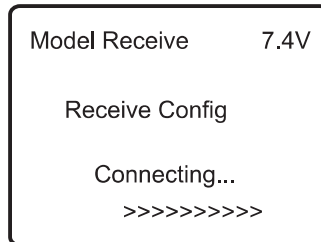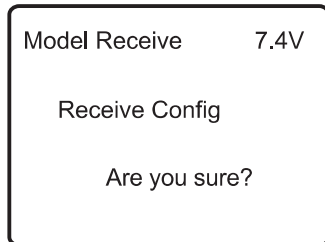
(2) Model Receive

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Model Receive, press ENT to Model Receive setting interface. An enquiry information "Are you sure?" will be shown as below Illustration.

```
Model Receive        7.4V


     Receive Config


     Are you sure?
```

```
Model Receive        7.4V


     Receive Config


     Connecting...
     >>>>>>>>>>
```

Press ENT to receive, "Connecting ......" and "Receiving ......" will be shown in series in the interface.

After Model received the data will enter to the Model save interface. Press UP or DN to move to the cursor→to point to Model data save position. Press ENT will pop up "Are you sure". Press ENT to save, press EXT to cancel .

Press ENT to confirm and EXT to exit.

```
Model Receive        ↓7.4V

→ ▷ 1  H  Model 1
     2  H  Model 1
     3  H  Model 3
     4  H  Model 4
     5  H  Model 5
```

```
Model Receive        ↓7.4V

     No.  3

           Model 3

     Are you sure?
```

2.5 Model Reset

Using the Model Reset function the settings for one or all models can be reset to the factory defaults.

Setting: Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Model Reset, press ENT again to display to model selection. Use R and L to select "ALL" for all models or the individual model name for a single model reset.

```
Model Reset          ↓7.4V
        Model All
→ ▷ 1  H  Model 1
     2  H  Model 1
     3  H  Model 3
     4  H  Model 4
```

```
Model Reset          ↓7.4V
        No.  1

           Model 1

     Are you sure?
```
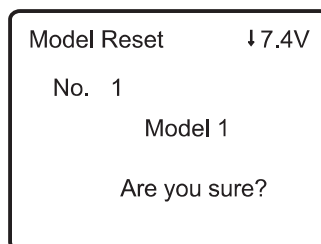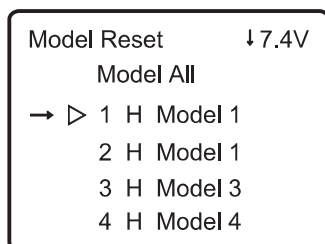
Press UP or DN to move the cursor→ to point to the desired model No and press ENT, an inquiry "Are you sure" will be shown as Illustration.
Press ENT to reset and EXT to cancel.
Press EXT after finished.

2.6 Type Select

This transmitter offers a choice of two model types. The options are helicopter and airplane.
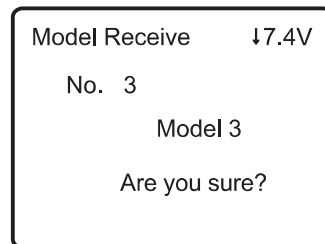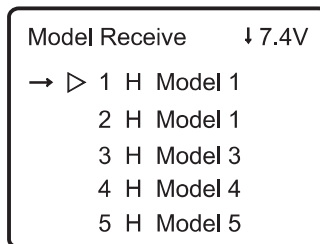
Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Type Select, press ENT to Type Select setting interface.

```
Model Transmit        7.4V

→ ▷ Helicopter
       Airplane
```

Press UP or DN to move the cursor→to point to helicopter or Airplane option. Press ENT, there is an inquiry shows. Press ENT to select the desired model. If the default model are the desired one. Press ENT and press EXT to exit.

2.7 Trim System

Trim System is able to finely tune the following terms, respectively: Elevator, Aileron, Rudder, Throttle. The trim range is divided into 20 grades. (factory default is set at 4). It is convenient to subtly modify the pitch by adjusting the trim range.

```
Trim System        ↓7.4V
    Elevator  → 4/20
                  Normal
    Aileron      4/20
                  Normal
    Rudder       4/20
                  Normal
```

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Trim System, press ENT to Trim System setting interface.

Press UP or DN to move the cursor→to point to the item that need to adjust. Press R+ or L- can change the setup, Maxium is 20.

For elevator, aileron and rudder, there are two more options : Normal and Limited. "Normal" means the trim is always working although the corresponding stick stays anywhere. "Limited" means the trim is out of working when the corresponding stick is at maximum position.

Press EXT to exit after finished.

```
Trim System        ↓7.4V
    Elevator
                  4/20
                → Normal
    Aileron      4/20
                  Normal
    Rudder       4/20
                  Normal
```

```
Trim System        ↓7.4V
    Elevator
                  4/20
                → Limited
    Aileron      4/20
                  Normal
    Rudder       4/20
                  Normal
```

2.8 Stick Position Switch

According to the following setting, the stick can be used as a switch. The turn-on or turn-off position at which stick stays can also be settable.

Method for setting:

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Stick Position Switch, press ENT to Stick Position Switch setting interface.

```
Stick Positio...        7.4V

→ Switch      SPSO SW
   Channel    Inhibit
```

```
Stick Positio...        7.4V

   Switch      SPSO SW
→ Channel    Elevator
   Position    0
   On          Up
```

There are four options under the Stick position switch: SPS0, SPS1, SPS2, SPS3. Press UP or DN to move the cursor→to point to switch option. Press R or L to choose the switch you want to define.
Press UP or DN to move the cursor→to point to the channel option. There are Inhibit and channel options.(Default setting inhibit)

The channel includes four items: Elevator, Aileron, Throttle and Rudder. The factory default is inhibit. Take Elevator for example.

Press R or L to choose the Elevator as stick, and then press DN to move the cursor→to point to value of position. It's possible to adjust the stick position via pressing R or L. Press UP or DN to move the cursor→to point to On option. And then press R+ or L- to change the ON status of stick postion
Press EXT after finished.

```
Stick Positio...        7.4V

   Switch      SPSO SW
   Channel    Elevator
→ Position    0
   On          Up
```

```
Stick Positio...        7.4V

   Switch      SPSO SW
   Channel    Elevator
   Position    0
→ On          Up
```

2.9 Swash Type

Only one Swash Type: 1 Servo Normal.

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Swash Type, press ENT to Swash Type setting interface.
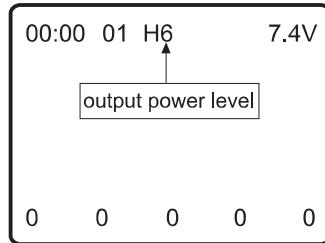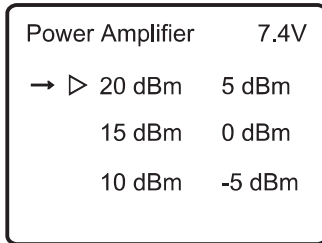
Press EXT to exit after finishing.

```
Swash Type          7.4V

→ ▷ 1  Servo Normal
```
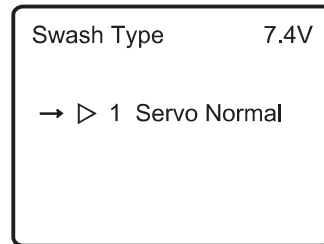
2.10 Power Amplifier

The transmission output power of DEVO F4 is adjustable. It is divided into six grades from low to high. The lower the transmission output power transmits, the shorter the radio range is, and the longer the stand-by time will be, the higher the transmission output power, the farer the radio range, and the shorter the stand-by time. Choose the appropriate transmission output power according to the actual situation

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Power Amplifier, press ENT to Power Amplifier setting interface.

```
Power Amplifier      7.4V

→ ▷ 20 dBm    5 dBm
     15 dBm    0 dBm
     10 dBm    -5 dBm
```

```
00:00  01  H6          7.4V
              ↑
         output power level


  0      0     0     0     0
```

Press UP or DN to move the cursor→to point to the desired output power value and press ENT to confirm. The output power level will also show on the main menu interface see the left Illustration:

2.11 Fixed ID

Using the Fixed ID function allows users to create a unique relationship between transmitter model data and the corresponding model's receiver. It significantly speeds up the binding process and also prevents mistakenly flying an aircraft with the incorrect transmitter model selected.

(1) Fixed ID setup
To start the Fixed ID setup it is important that the transmitter and receiver have successfully completed automatic ID binding process. Once the transmitter and receiver are paired a Fixed ID can be set as described below:

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Fixed ID, press ENT to the Fixed ID setting interface.

```
Fixed ID              7.4V
→ Status       Off
```

```
Fixed ID              7.4V
→ Status       On

   ID Code      228600
```
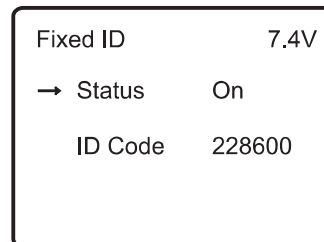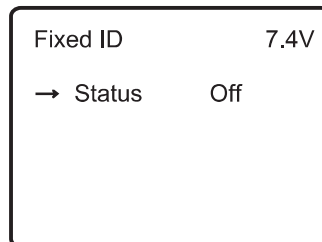
Press R+ or L- to set Status ON, and there is a Random Fixed ID display on the screen. Press DN to move the cursor → to point to ID Code, press ENT to move the cursor → to point to the first code of the Fixed ID.

Press R+ or L- to change the Code; Press DN to move to next Code. Press ENT after finished setting, there is an inqury "Are you sure? ". Press ENT to confirm and execute the binding process. After finished binding the display will return to the Model Menu automatically.

```
Fixed ID              7.4V
    Status     On
               ↓
    ID Code    228600
```

```
Fixed ID              7.4V
    Status     On

    ID Code    228600

       Are you sure?
```

```
Fixed ID              7.4V
    Status     On

    ID Code    228600

       Matching...
       >>>>
```
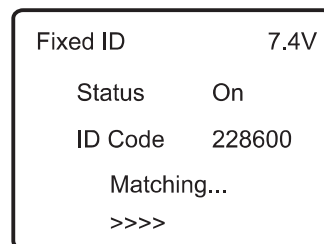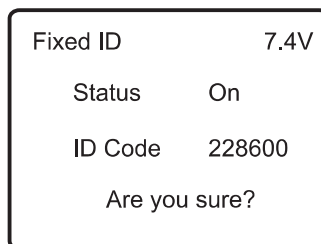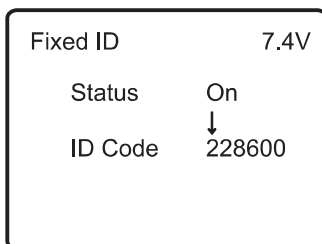
(2) Fixed ID Cancellation

Before the receiver electrify, press and ctrl the ID clear button, add a 5V Power source to other input terminal, if the Red indicator is twinkle slowly which means cleared ID memory already, then, Loosen the ID clear button.

ID code clearance key

```
Fixed ID            7.4V
→  Status      On
   ID Code     228600
```

```
Fixed ID            7.4V
→  Status      Off
```

Refer to the instructions of Fixed ID setting above to the following interface. Press UP to move the cursor → to point to Status ON.

When Fixed ID Status ON, press R+ or L- to change ON to OFF. Press EXT to exit.

2.12 Sensor Setting

Setting method: Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Sensor Setting, press ENT to Sensor setting interface.

Press R or L to select Activate or Inhibit (the default setting is Inhibit), such as press Activate will includes No Signal Warning, Voltage sensor, Temperature sensor, GPS receiver setting etc.

```
Sensor Setting      7.4V
→  Status      Inhibit
```

```
Sensor Setting      7.4V
   Status      Active
→  No Signal   Inhibit
   Voltage
   Temperature
   GPS Setting
```

(1) No Signal

Press UP or DN to move the cursor→to point to No Signal option. Press R or L to choose Inhibit or Active (default setting is inhibit). If you choose Active, the Radio will alarm when telemetry signal lost. see the left Illustration:

(2) Voltage

There are 3 different types of voltage can be measured. It includes Internal 5V, External V1 and V2 which can be monitored two different external voltage(i.e. battery) respectively. Once the measured voltage is lower than the setting value, the Radio will alarm.

(2.1) Receiver 5V(Internal) PFV(Power Feeding Voltage) Alarmed value can be setted as 3.6-6V

Voltage setting: press DN to move the cursor→to point to Voltage otpion on the Sensor setting interface. Then press ENT to enter the voltage setting interface. Press UP or DN to move the cursor→to point to Int.5V option. Press R or L to activate the 5V, the alarm interface will appear in the interface, please refer to the illustration.

```
Voltage             7.4V
   Int. 5V  → Inhibit
   Ext. V1    Inhibit
   Ext. V2    Inhibit
```

```
Voltage             7.4V
   Int. 5V  → Active
                3.6V
   Ext. V1    Inhibit
   Ext. V2    Inhibit
```

```
Voltage             7.4V
   Int. 5V    Active
            → 3.6V
   Ext. V1    Inhibit
   Ext. V2    Inhibit
```

Press UP or DN to select the Alarm Voltage setting option, press R or L to set the value. The range is 3.6-6V. You can continue to set other items after you finished.

(2.2) V1 External V1

Press UP or DN to move the cursor→to point to External V1 setting option. Press R or L to activate the V1, the details refers to the illustration.

Press UP or DN to move the cursor→to point to the Alarm Voltage setting. Press R or L to set the value. The setting range is 0.2~99.9V. You can continue to set other items after you finished.

```
Voltage             7.4V
   Int. 5V    Inhibit
   Ext. V1  → Active
                0.2V
   Ext. V2    Inhibit
```

```
Voltage             7.4V
   Int. 5V    Inhibit
   Ext. V1    Active
            → 0.2V
   Ext. V2    Inhibit
```

(2.3) External: V2 setting can refer to External V1 setting. Press EXT to back to sensor setting interface to set other options.

(3) Temperature sensor

The temperature sensor can measure up to 4 different temperature(i.e.motors). You can choose Celsius or Fahrenheit. The alarmed value can be setted to 4 different temperature. Once the measured value is higher than the setting value, the radio will alarm. The Alarm Temperature value can be setted as -20~220℃ or -4.0~428.0° F.

Temperature Setting:In the Sensor Setting interface, press UP or DN to move the cursor→to point to Temperature Sensor setting option, and press ENT to Temperature setting interface. See the right Illustration.

```
Temperature          ↓7.4V
  Unit       → Celsius
  Temp. T1     Inhibit
  Temp. T2     Inhibit
```
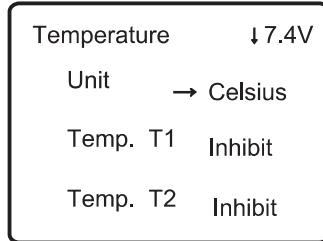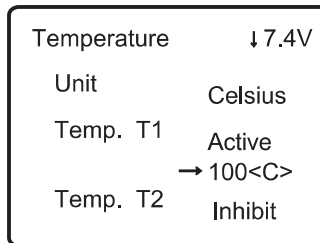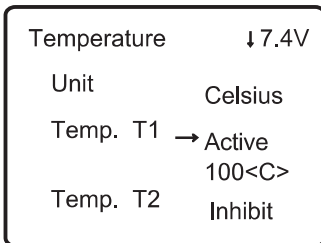
(3.1) Unit

Press UP or DN to move the cursor→to point to Unit setting option, and press R or L to choose Unit, two kinds of Unit:Celsius and Fahrenheit.

(3.2) Alarm Temperature settings

Press UP or DN to move the cursor→to point to T1 option, Press R or L to activate the setting. Inhibit will change to Active and Alarm temperature will be shown. If you choose Inhibit, the Alarm temperature value won t be shown.

```
Temperature          ↓7.4V
  Unit         Celsius
  Temp. T1  → Active
               100<C>
  Temp. T2     Inhibit
```

```
Temperature          ↓7.4V
  Unit         Celsius
  Temp. T1     Active
             → 100<C>
  Temp. T2     Inhibit
```

Press UP or DN to move the cursor→to point to Alarm setting, press R or L to set the alarm temperature value. Press UP or DN to set other items after finishing the setting.

T2,T3,T4 setting: Refer to the step of "T1".

(4) GPS Setting

There are 4 items including Altitude Type, Speed Unit, Date Type and Time Zone in the GPS receiver setting interface.

Setting: Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Sensor Setting, press ENT to Sensor setting interface; Press UP or DN to move the cursor→to point to GPS Setting, press ENT to GPS setting interface.

```
GPS Setting          7.4V
→ High Type    Absolute
  Speed Unit   Knots
  Date Type    DD-MM-YY
  Time Zone    UTC 08:00
```
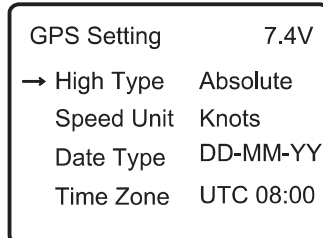
(4.1) High Type

Press UP or DN to select the High type on the GPS setting interface and there are Absolute and Relative two type.

```
GPS Setting          7.4V
→ High Type    Absolute
  Speed Unit   Knots
  Date Type    DD-MM-YY
  Time Zone    UTC 08:00
```

```
GPS Setting          7.4V
  High Type    Absolute
→ Speed Unit   Knots
  Date Type    DD-MM-YY
  Time Zone    UTC 08:00
```
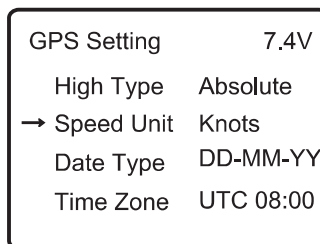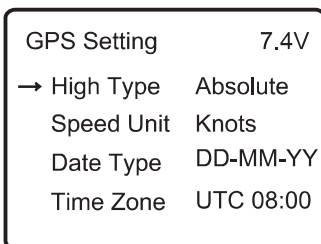
(4.2) Speed Unit

Press UP or DN to select the Speed Unit on the GPS setting interface and it includes knots and km/h and relative. Select the desired item.

(4.3) Date Type

Press UP or DN to select the Date Type on the GPS setting interface and it includes DD-MM-YY, MM-DD-YY and YY-MM-DD. Select the desired item.

```
GPS Setting          7.4V
  High Type    Absolute
  Speed Unit   Knots
→ Date Type    DD-MM-YY
  Time Zone    UTC 08:00
```

```
GPS Setting          7.4V
  High Type    Absolute
  Speed Unit   Knots
  Date Type    DD-MM-YY
→ Time Zone    UTC 08:00
```
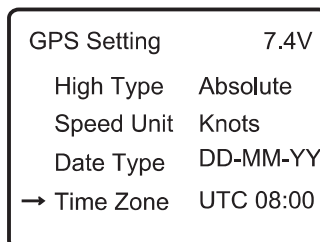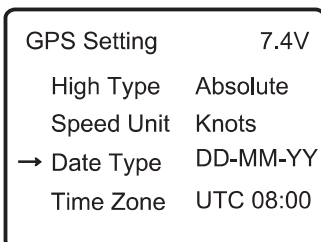
(4.4) Time Zone

Press UP or DN to select the Time Zone, press R or L to set the desired Time Zone.

3.0 Function Menu

The Function Menu allows you to customize the settings for your saved models. This menu includes the following: Channel Reverse Switch, Travel Adjust, Sub Trim, Dual Rate and Exponential, Throttle Curve, Program Mix, Monitor, Fail Safe, Sensor View, Trainer and Timer. Total 11 settings.

3.1 Reverse Switch

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Function Menu, press ENT to Function Menu; Press UP or DN to move the cursor→to point to Reverse Switch, press ENT to Reverse Switch setting interface.

Press UP or DN to move the cursor→to point to ELEV(take Elevator for example), Press R or L to shift the status between nomal and reverse. These are two status for option. And the default setting is Normal. All Channels Reverse Switch like: Aileron, Throttle, Rudder can be referred to the way of ELEV Reverse Switch. And press EXT to exit after setting finished.

```
Reverse Switch        7.4V
→ Elevator      Normal
   Aileron       Normal
   Throttle      Normal
   Rudder        Normal
```

3.2 Travel Adjust

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Function Menu, press ENT to Function Menu; Press UP or DN to move the cursor→to point to Travel Adjust, press ENT to Travel Adjust setting interface. The interface display a channel's servo travel value status.

```
Travel Adjust        ↓7.4V
   Elevator  → U100.0
                D100.0
   Aileron     L100.0
                R100.0
   Throttle    H100.0
                L100.0
```

```
Travel Adjust        ↓7.4V
   Elevator     U100.0
              → D100.0
   Aileron     L100.0
                R100.0
   Throttle    H100.0
                L100.0
```

Press UP or DN to move the cursor→to point to "Elevator's U" setting (ELEV is used in the example), press R+ or L- key, can set the travel value while the Elevator towards up . The adjustment range :0.0-150.0%. Factory default setting :100.0%.

Press UP or DN to move the cursor→to point to "Elevator's D" setting, press R+ or L- key, can set the travel value while the Elevator towards down. The adjustment range :0.0-150.0%. Factory default setting :100.0%. The settings for all channels, Aileron, Throttle, Rudder can all be set using this process.
Press EXT to exit.

3.3 Sub Trim

NOTE: Sub Trim is used to fine tune the servo neutral position during setup. In order to avoid pushing the servo beyond it's limits and possibly causing damage it is advised to first mechanically adjust the servo arm/bell crank to be as close to the neutral point as possible. Only when this is complete may sub trim be used to make a final adjustment.

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Function Menu, press ENT to Function Menu; Press UP or DN to move the cursor→to point to Sub Trim, press ENT to Sub Trim setting interface.

```
Sub Trim              7.4V
→ Elevator      0.0
   Aileron       0.0
   Throttle      0.0
   Rudder        0.0
```

The interface display a adjustable channel's name and adjustable data project. Press R+ or L- can adjust the fine tune the servo neutral position. Press UP or DN can select the channel you wish to set. Every Channel default setting value is 0.0%. The adjustment ranges are as below:

Channel name	Adjustment range	Channel name	Adjustment range
Elevator	D62.5%~U62.5%	Throttle	L62.5%~H62.5%
Aileron	R62.5%~L62.5%	Rudder	R62.5%~L62.5%

Press EXT to exit.

3.4 Dual Rate and Exponential

This function can be setting the amount of action for Elevator, Aileron, Tail Servo. The setting range is 0-125%. It can assist and adjust to fit with Exponent Curve and various settings.

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Function Menu, press ENT to Function Menu; Press UP or DN to move the cursor→to point to Dual Rate and Exponential, press ENT to Dual Rate and Exponential setting interface.

```
Dual Rate and...      ↓7.4V
                      Pos 0
→  Channel
                      Elevator
   Position
                      Pos 0
   Dual Rate
                      100
```

(1) Channel
Press UP or DN to move the cursor→to point to Channel setting, press R+ or L- key, can set the Channel as follows : ELEV, AILE and RUDD ect.

```
Dual Rate and...      ↓7.4V
                      Pos 0
   Channel
                      Elevator
→  Position
                      Pos 0
   Dual Rate
                      100
```

(2) Position

Press UP or DN to move the cursor→to point to Position setting item, with "Pos 0, Pos 1" two potions. For example, the "Elevator" of "Channel", if select the "Pos 0" which means the setting parameter of "Pos 0". If select "Pos 1" which means the setting parameter of Pos 1.

(3) Dual Rate
Press UP or DN to move the cursor→to point to Dual Rate setting, press R+ or L- key, can set the "Position" dual rate value. The default setting is 100%.

```
Dual Rate and...      ↓7.4V
                      Pos 0
   Channel
                      Elevator
   Position
                      Pos 0
→  Dual Rate
                      100
```

```
Dual Rate and...      ↑7.4V
                      Pos 0
   Position
                      Pos 0
   Dual Rate
                      100
→  Exponential
                      Line
```

(4) Exponential
Press UP or DN to move the cursor→to point to Exponential setting, press R+ or L- key, can set the "Position" Exponential value . there are ±100% and LINE three settings available.

Press EXT to exit.

3.5 Throttle Curve

Throttle cure is adopt 7 points adjustment.

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Function Menu, press ENT to Function Menu; Press UP or DN to move the cursor→to point to Throttle Curve, press ENT to Throttle Curve setting interface. see below Illustration:

```
Throttle Curve        7.4V

   All Servos Hold?

→  OK
   Cancel
```

```
Throttle Curve        ↓7.4V
→  Position
                      Pos 0
   Exponential
                      Off
   Point
                      Point -L
   In: 0.0            Out: 0.0
```

The interface of Throttle Curve will pop up "All servos Hold?" inquire, if you choose "OK" every servo will hold at current position, if you choose "Cancel" every servo won't be hold.

(1) Position

Press UP or DN to move the cursor→to point to Position setting item, with "Pos 0, Pos 1" two potions. If select the "Pos 0" which means ordered curve parameters of "Pos 0". Also, select "Pos 1" is the same means.

(2) Exponential curve setting

Press UP or DN to move the cursor→to point to "Exponential" setting. Press R or L can set ON and OFF. The throttle curve will being changed smoothly if select ON. Select OFF if not need then the throttle curve will be shown as a line. see the right Illustration:

(3) Curve setting: Including "Point" and "Output"

```
Throttle Curve        ↓7.4V
   Position
                      Pos 0
→  Exponential
                      Off
   Point
                      Point -L
   In: 0.0            Out: 0.0
```

(3.1) Point setting

Press UP or DN in Throttle Curve interface to select Points setting. Press R+ to expand a list including seven points: "Point-L", "Point-1", "Point-2", "Point-M", "Point-3", "Point-4" and "Point-H".

```
Throttle Curve        ↓7.4V
   Position           Pos 0
   Exponential
                      Off
→ Point
                      Point -L
   In: 0.0            Out: 0.0
```

(3.2) Status setting

After above setup, press DN to select Status setting, press R+ or L- to set Inhibit or Active. Select Inhibit if keeping the current value (the default setting is Inhibit). Select Active for changing the above points' value.

Note: After select Point L or Point H , the status setting won't be display.

```
Throttle Curve        ↑7.4V
   Point              Point -M
→ Status
                      Inhibit

   In: 0.0            Out: 0.0
```

```
Throttle Curve        ↑7.4V
   Point              Point -M
→ Status
                      Active
   Output
                      50.0
   In: 0.0            Out: 0.0
```

```
Throttle Curve        ↑7.4V
→ Point               Point -L


   Output
                      0.0
   In: 0.0            Out: 0.0
```

(3.3) Output setting

There is a expand item "Output" after select Status Active, press DN to select Output setting, press R+ or L- to increase or decrease, respectively, the output value. The adjustable range is from 0.0% to 100.0%. "IN" and "Out" means throttle stick input and output level.

Press EXT to exit.

```
Throttle Curve        ↑7.4V
   Point
                      Point -M
   Status
                      Active
→ Output
                      50.0
   In: 0.0            Out: 0.0
```

3.6 Program Mix

There are 8 series of program mix, mix channels and values are adjustable.

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Function Menu, press ENT to Function Menu; Press UP or DN to move the cursor→to point to Program, press ENT to Program setting interface. see the right Illustration:

And press ENT to program mix setting and current status (default setting is "inhibit") interface. Press R+ or L- to choose Inhibit, normal or curve.

Take "program mix 1" for example, there are "normal" and "curve" setting.

```
Program Mix           ↓7.4V

     Program Mix 1
  → ▷ Inhibit
     Normal
     Curve
```

(1) The "normal" setting of "program mix"

Press UP or DN to move the cursor→to point to the "Normal"setting, Press ENT button then pop up "All Servos Hold?" Press R or L to choose OK or Cancel. If "OK" selected, all the servos will be locked in the current status, if "Cancel" selected, all servos are unlocked. Press ENT enter to Program Mix 1 setting interface.

```
Program Mix 1         7.4V

    All Servos Hold?

     → OK
       Cancel
```

```
Program Mix 1         ↓7.4V
→ Master
                      Elevator
   Slave
                      Elevator
   Up
                      0
```

(1.1) Master channel setting

Press UP or DN to move the cursor→to point to Master Channel setting, press ENT to the Master Channel setting interface. Press UP or DN to move the cursor→to point to the desired Master Channel, press ENT to confirm and press EXT to be back to Program Mix 1 interface.

```
Master                ↓7.4V
  → ▷ Elevator
     Aileron
     Throttle
     Rudder
  ⇧ Elevator
```

```
Slave                 7.4V
  → ▷ Elevator
     Aileron
     Throttle
     Rudder
```

(1.2) Slave channel setting:

Press UP or DN to move the cursor→to point to Slave Channel setting, press ENT to the Slave Channel setting interface. Press UP or DN to move the cursor→to point to the desired Slave Channel, press ENT to confirm and press EXT to be back to Program Mix 1 interface.

(1.3) Gain setting: Take Elevator at Master as an example.

(1.3.1) UP

Mix amount setting when elevator stick moved upward. Press UP or DN to move the cursor→to point to Up setting. Press R or L to increase or decrease the mix amount separately. It is possible to reverse mix direction through changing the "+" or "-" sign before amount. The adjustable range is ±125%.

(1.3.2) Down

Mix amount setting when elevator stick moved downward. Press UP or DN to move the cursor→to point to Down setting. Press R or L to increase or decrease the mix amount separately. It is possible to reverse mix direction through changing the "+" or "-" sign before amount. The adjustable range is ±125%.

(1.3.3) Offset Setting

This function can make Slave begin to mix through the corresponding Lever switch from a certain point as the starting point.

Press UP or DN to move the cursor→to point to Offset setting, Press R+ to increase the mix amount and press L- to decrease. It is possible to reverse Offset direction by pressing R or L button to change the "+" or "-" sign before amount. The adjustable range is ±100%.

Program Mix 1 ↑↓7.4V	Program Mix 1 ↑↓7.4V	Program Mix 1 ↑↓7.4V
→ UP 0	UP 0	UP 0
Down 0	→ Down 0	Down 0
Offset 0	Offset 0	→ Offset 0
(1.3.1) UP	(1.3.2) Down	(1.3.3) Offset Setting

(1.4) Switch

Press UP or DN to move the cursor→to point to the Switch setting item and press ENT to enter the select interface of Switch. Press UP or DN to choose the switch you wish to set. Press ENT to confirm.

Press EXT to be back to Program Mix 1 interface.

Program Mix 1 ↑7.4V	Switch 7.4V
Down 0	→ ▷ Always On
Offset 0	SPSO SW
→ Switch On	SPS1 SW
	SPS2 SW
	SPS3 SW

Notes: Enable the Stick Switch at "2.8 Stick Position Switch" setting item.

(2) Curve setting of Program Mix

Press UP or DN to move the cursor→to point to the "Curve" setting, Press ENT button then pop up "All Servos Hold?" Press R or L to choose OK or Cancel. If "OK" selected, all the servos will be locked in the current status, if "Cancel" selected, all servos are unlocked. Press ENT enter to Program Mix 1 setting interface.

Program Mix 1 7.4V	Program Mix 1 ↓7.4V
All Servos Hold?	→ Master Elevator
	Slave Elevator
→ OK	Exponential Off
Cancel	In: 0 Out: 0

(2.1) Master channel setting

Press UP or DN to move the cursor→to point to Master Channel setting, press ENT to the Master Channel setting interface. Press UP or DN to move the cursor→to point to the desired Master Channel, press ENT to confirm and press EXT to be back to Program Mix 1 interface.

Master ↓7.4V	Slave 7.4V
→ ▷ Elevator	→ ▷ Elevator
Aileron	Aileron
Throttle	Throttle
Rudder	Rudder
⇕Elevator	

(2.2) Slave channel setting:

Press UP or DN to move the cursor→to point to Slave Channel setting, press ENT to the Slave Channel setting interface. Press UP or DN to move the cursor→to point to the desired Slave Channel, press ENT to confirm and press EXT to be back to Program Mix 1 interface.