



DIGITAL PROPORTIONAL RADIO CONTROL SYSTEM

ORX TX10i
10 CHANNEL TRANSMITTER
INSTRUCTION MANUAL

28.5cm

21cm

Introduction

Thank you for purchasing our product, an ideal radio system for beginners or experienced users alike. Read this manual carefully before operation in order to ensure your safety and the safety of others or the safe operation of your system. If you encounter any problem during use, refer to this manual first. If any problem persists, contact your local dealer or visit our service and support website for help :

www.hobbyking.com


Safety

1. Safety Symbols

Pay close attention to the following symbols and their meaning. Failure to follow these warning could cause damage, injury or death.

 **DANGER** – Not following these instructions may lead to serious injuries or death.


 **WARNING** – Not following these instructions may lead to serious injuries.

 **ATTENTION** – Not following these instructions may lead to minor injuries.


 **PROHIBITED**

 **MANDATORY**


Safety guide

 Do not use at night or during a lightning storm, as bad weather will adversely affect the control of your system.


 Make sure that the motors are all moving the same direction as the operating direction


 The shutdown sequence: 1. Disconnect the receiver battery, 2. Switch off the transmitter. Failure to follow this sequence may result in uncontrolled movement and damage to the system.

 Do not use the product when visibility is limited.

 Interference may cause loss of control. To ensure the safety, do not operate in the following places:

- Near any site where other radio control activities may occur.
- Near high power lines or communication broadcasting antennae.
- Near any overcrowded site and traffic congestion.
- On water or on boats and ships.

 Do not use this product when you are tired, uncomfortable or under the influence of alcohol or drugs.

 Never grip the transmitter antenna during operation. It may significantly degrade signal quality and strength and may cause loss of control.

- ⊘ Do not touch any part of the model that may generate heat during operation. The engine, motors and speed controller may be hot and cause injury.
- ⊘ Do not grasp the transmitter's antenna during flight. It may degrade the quality of the radio frequency transmission.
- ⚠ Make sure the model flies within a certain range.
- ⚠ changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

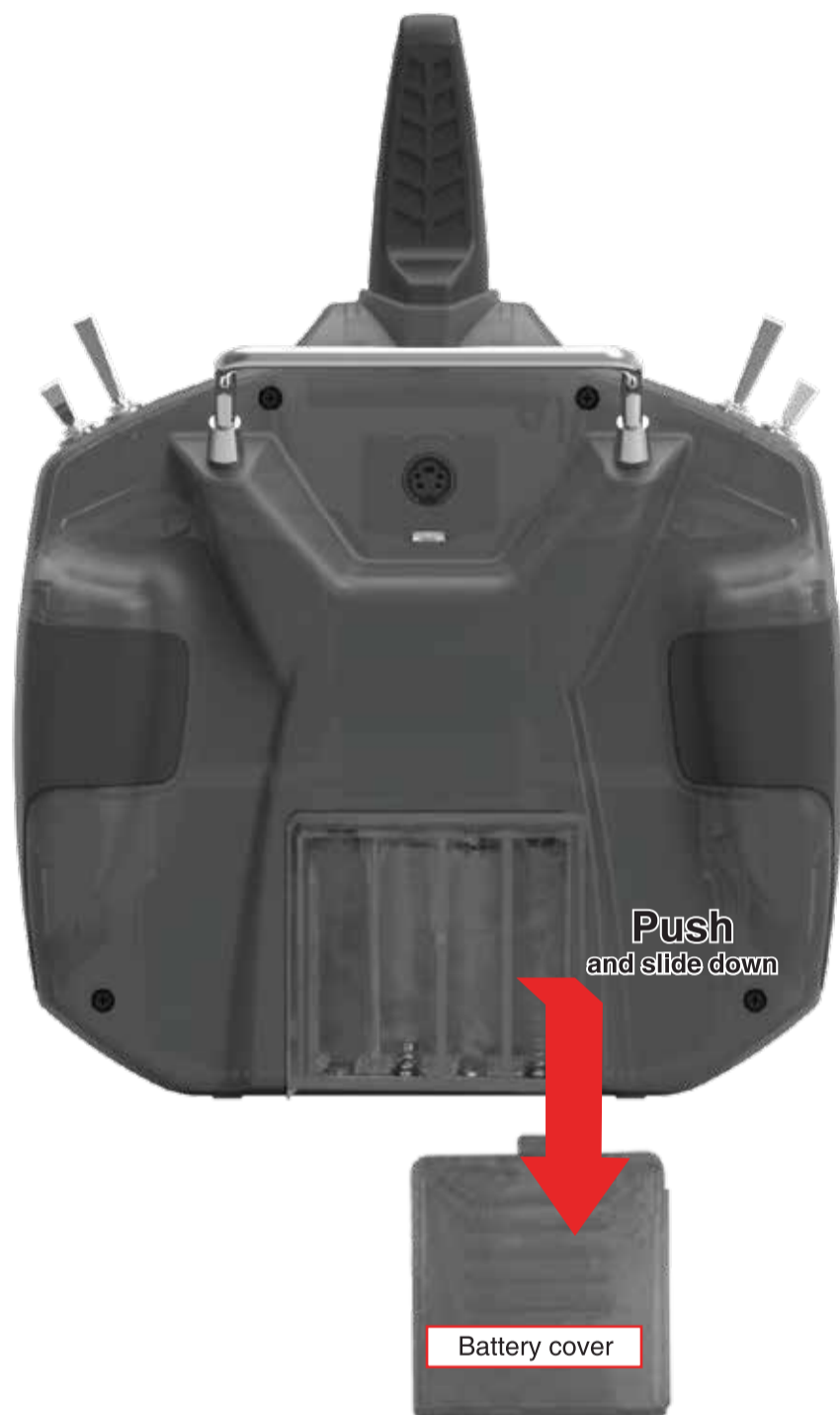
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Transmitter Overview



Installation and removal of the transmitter battery

The Tx10i transmitter is designed to work with four x (LR6) AA alkaline dry cell batteries



Binding procedure

1. Initiate binding procedure on your receiver (depends on the receiver used - bind plug, button, auto-bind. To see how to initiate binding on the receiver please refer to the receiver manual).
2. Press and hold the binding key and turn on the transmitter. (Or, turn on the transmitter, press and hold the wheel to enter the main menu to select model setup, then choose the bind menu to enter binding mode).

3. The system will display “RX Binding.”. After successfully binding, the transmitter will automatically exit this binding menu.
4. If your receiver uses a bind plug for binding make sure you remove it after binding procedure.

NOTICE:

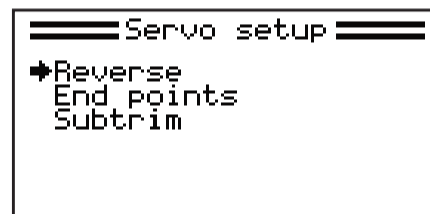
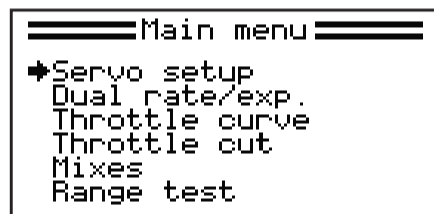
Remove the bind plug to prevent the system from entering bind mode the next time the power is turned on.

Sometimes servo inputs or ESCs with high input load can cause receiver binding in “No telemetry” mode. During this binding process you will see both orange and red LED blinking. If you want to have telemetry function enabled please make sure that nothing is connected to Throttle channel during binding procedure.

Airplane

Servo setup

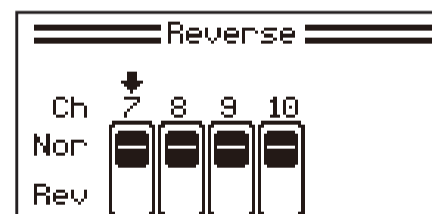
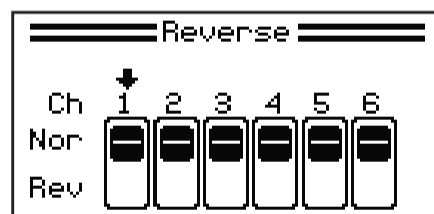
Servo setup allows you to adjust Reverse, End points, Subtrim for all 10 channels. Press and hold the Roller button to main menu and select “Servo Setup”. Press the Roller button to select “Reverse”, “End points” and “Subtrim”.



Reverse

The Reverse function is used to correct a servo or motor’s direction in relation to the system’s controls. For each channel the user can toggle a reverse state based on demand.

This Reverse function individually reverses the direction of operation of servos on the 10 channels. This menu contains 10 check boxes, one of each channel.



Setup:

1. Press the Roller button to select channel.
2. Move the Roller button to left or right to select “Nor” (Normal) and “Rev” (Reverse).
3. Press and hold the Roller button to save and exit , or press the cancel key to exit with out saving.

End points

End points allow you to control the lower and upper travel limits for each servo. For each channel the user can set the lower and upper limits.

Adjustment can be made for any channel.

End points		
Ch1	→100%	100%
Ch2	100%	100%
Ch3	100%	100%
Ch4	100%	100%
Ch5	100%	100%
Ch6	100%	100%

End points		
Ch7	→100%	100%
Ch8	100%	100%
Ch9	100%	100%
Ch10	100%	100%

Setup:

1. Press the Roller button to select channel.
2. The right-side value represents upper limit / The left-side value represents lower limit.
Move the stick to the desired low or high value.

End points		
Ch1	→100%	100%
Ch2	100%	100%
Ch3	100%	100%
Ch4	100%	100%
Ch5	100%	100%
Ch6	100%	100%

Point to lower limit value

End points		
Ch1	100%	→100%
Ch2	100%	100%
Ch3	100%	100%
Ch4	100%	100%
Ch5	100%	100%
Ch6	100%	100%

Point to upper limit value

3. Move the Roller button left or right to change the value.
4. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.

Subtrim

User can individually adjust the center position of each servo of the 10 channels. This is particularly useful when the servo mechanics can't allow very fine tuning.

Subtrim		
→Ch1		+
Ch2		+
Ch3		+
Ch4		+
Ch5		+
Ch6		+

Subtrim		
→Ch7		+
Ch8		+
Ch9		+
Ch10		+

Setup:

1. Press the Roller button to select channel.
2. Move the Roller button left or right to change the subtrim value.
3. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.

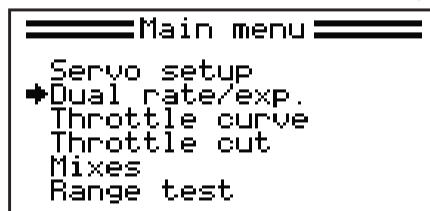
Dual rate / exponential (exp.)

Dual rate changes the servo travel for a control surface on R/C aircraft (Ailerons, Elevator and Rudder). Dual rate consists of Low rates and High rates. Low rates make the aircraft less responsive (i.e. easier to control), and High rates make the aircraft more responsive (i.e. harder to control). Dual rates are controlled by a selected switch (S1 to S8).

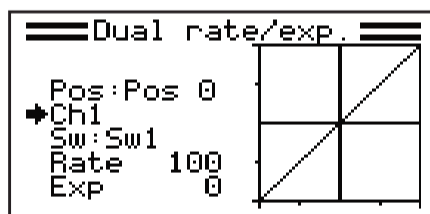
Exponential is a radio function that will allow to change the control response of the control sticks from being a linear response to exponential (non-linear) response. Exponential is programmed such that very little servo response is provided when the control sticks are near centered, or neutral. As the sticks are moved farther from the neutral point, more servo response is generated at a rate greater than a straight linear response, allowing for quick and precise maneuvers. Exponential values are available from -100% to +100%. Exponential and rate functions are available for channels CH1, CH2, CH4 and any switch (S1 to S8) can be assigned to turn these functions ON and OFF.

Setup:

1. In main Menu, Press the Roller button to select "Dual rate/exp".



2. Press the Roller button to select Channel / Switch / Rate / Exp.
3. Move the Roller button left or right to select value.

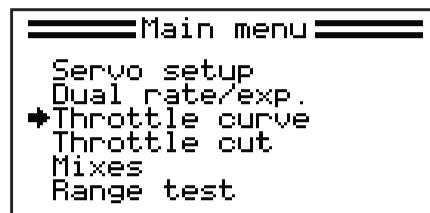


4. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.

Throttle curve

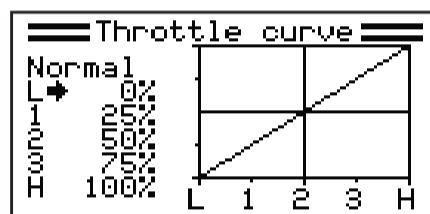
This function enables the user to adjust the ratio between stick and throttle response using linear or nonlinear curves.

This is useful to change how the throttle reacts at different stick positions. The 5 points (L, 1, 2, 3, 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. For example, having a smaller throttle change when the stick is between 0-25%, then a larger throttle change between 25% and 100%. If your model's throttle is not linear, it is possible to use this function to create a more linear movement.



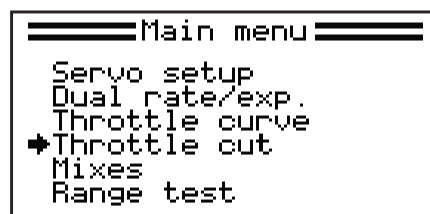
Setup:

1. Select "Throttle curve" in main menu.
2. Press the Roller button to select point L, 1, 2, 3, H.
3. Move the wheel left or right to change the point's value (position) on the graph.
4. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.



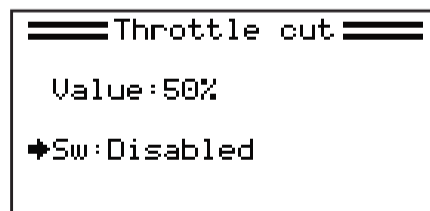
Throttle cut

When switch is toggled the throttle will be set according to the percentage setting in this menu regardless of the throttle stick position.



Setup:

1. Select "Throttle cut" in main menu.
2. Press the Roller button to select the minimum throttle value or Sw (Switches 1 to 8 or Disable).
3. Move the Roller button left or right to change the value OR select the Switches.
4. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.



Mixes

This function is used to create a mix between channels. For example, if at low throttle some automated flap movement is desired, it is possible to create a mix to do this.

```
====Main menu====
Servo setup
Dual rate/exp.
Throttle curve
Throttle cut
➔Mixes
Range test
```

Setup:

1. Select "Mixes" in main menu.
2. Press the roller button to select below options:
 - Mix#: 1 to 6
 - Mix is: on / off
 - Master: Channel 1 to 6
 - Slave: Channel 1 to 6
 - Pos. mix: -100% to 100%
 - Neg. mix: -100% to 100%
 - Offset: -50% to 50%
3. Move Roller button left or right to change the value of options.
4. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.

```
====Mixes====
➔Mix#1
Mix is          Off
Master          Ch1
Slave           Ch2
Pos. mix        50%
Neg. mix        50%
Offset          0%
```

Range test

This function temporarily reduces the transmitter's transmission power to allow for a manageable range test. Instead of having to walk several hundred meters away from the receiver, press and hold the bind key and walk 30 meters away from your model for some effects.

Set up:

1. Select the "Range test" in Main Menu.

```
====Main menu====
Servo setup
Dual rate/exp.
Throttle curve
Throttle cut
Mixes
➔Range test
```

2. Press and hold the Binding key to activate Range test .

```
====Range test====  
FULL POWER  
Press and hold the  
BINDING key to acti-  
vate Range test. Dis-  
tance = 30 paces/ 30  
meters.
```

Timer

This function is used to keep track of time in order to reduce the risk of aircraft running out of battery/fuel and crashing. Timers are very useful when used in conjunction with a toggle.

There are two choices for timer: "Engine timer" and "Multi. timer" Engine timer counts the time when throttle value exceeds the set value. Both timers can be reset by touching the "Reset" and engine timer can modify throttle value by moving Roller button.

"Up timer", "Down timer", "Up then Down timer" modes can be selected in "Multi. timer" menu.

They can be individually enabled and reset by using switches S1 to S8.

The Up timer counts up from 0 and the elapsed time is displayed on the screen. The Down timer counts down from the set time and the remaining time is displayed on the screen. The Down then Up timer counts down and then starts to count up.

Setup:

1. Select "Timer" in Main Menu .

```
====Main menu====  
*Timer  
Telemetry  
Aux. channels  
Assign switches  
Model setup  
System setup
```

2. Move Roller button left or right to select Engine timer or Multi. timer.

3. Engine timer

```
====Timer====  
*Engine timer  
Timer is Off  
Mode Up  
Reset 00:00  
Thr. pos 10%
```

- Timer is – Turn the Roller button to toggle the timer On or Off.
- Mode - Turn the Roller button to select a timer mode (Up, Down, Down then up).

Up Mode:

- Reset - Press and hold the cancel key to reset the timer if needed, then press the Roller button.
- Thr. pos - Turn the Roller button to change the throttle trigger point.
- Press and hold the Roller button to save and exit, or press the cancel key to exit without saving.

Down Mode:

- Reset - Press and hold the cancel key to reset the timer if needed, then press the Roller button.
- Thr. pos - Turn the Roller button to change the throttle trigger point.
- Set up –Turn the Roller button to set the time in min. and sec.
- Press and hold the Roller button to save and exit, or press the cancel key to exit without saving.

Down / Up Mode:

- Reset - Press and hold the cancel key to reset the timer if needed, then press the Roller button.
- Thr. pos - Turn the Roller button to change the throttle trigger point.
- Set up –Turn the Roller button to set the time in min. and sec.
- Press and hold the Roller button to save and exit, or press the cancel key to exit without saving.

4.Multi Timer

```
===== Timer =====
*Multi. timer
Mode           Up
Timer state    Stop
Reset          00:00

==>
```

Mode - Turn the Roller button to select a mode (Up, Down, Down then up).

Up Mode:

- Timer State –Turn the Roller button to select “Stop” or “Run”. If “Run” is selected, the timer is counting up.
- Reset - Press and hold the cancel key to reset the timer if needed, then press the Roller button
- Enable Switch –Turn the Roller Button to enable the switch 1 to 8 or None to position up, middle or down.
- Reset Switch –Turn the Roller Button to reset the switch 1 to 8 or None to position up, middle or down.
- Press and hold the Roller button to save and exit, or press the cancel key to exit without saving.

Down Mode:

- Timer State –Turn the Roller button to select “Stop” or “Run”. If “Run” is selected, the timer is counting down.
- Reset - Press and hold the cancel key to reset the timer if needed, then press the Roller button.
- Set up –Turn the Roller button to set the time in min. and sec.
- Enable Switch –Turn the Roller Button to enable the switch 1 to 8 or None to position up, middle or down.

- Reset Switch – Turn the Roller Button to reset the switch 1 to 8 or None to position up, middle or down.
- Press and hold the Roller button to save and exit, or press the cancel key to exit without saving.

Down and up Mode:

- Timer State – Turn the Roller button to select “Stop” or “Run”. If “Run” is selected, the timer is counting up.
- Reset - Press and hold the cancel key to reset the timer if needed, then press the Roller button.
- Set up – Turn the Roller button to set the time in min. and sec.
- Enable Switch – Turn the Roller Button to enable the switch 1 to 8 or None to position up, middle or down.
- Reset Switch – Turn the Roller Button to reset the switch 1 to 8 or None to position up, middle or down.
- Press and hold the Roller button to save and exit, or press the cancel key to exit without saving.

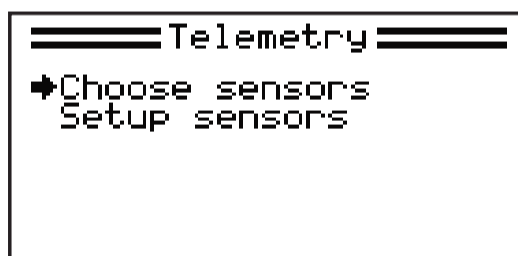
Telemetry

Choose sensors

The main screen can display the value of up to 3 sensors. This function is used to select which sensors to display.

Setup:

1. Press the wheel to select a slot 1, 2 or 3. Any sensors that are connected will automatically populate this list.
2. Use the wheel to select the desired sensor.
3. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.



Setup sensors

This function is used to setup any sensors connected to the receiver. For example, to set the higher and lower voltage alarm value, press the wheel to choose the sensor you want and set the settings. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.

RX:

This setting is used to sound an alarm when the receiver battery voltage drops dangerously low.

Setup sensors		
→RX	Min	Alarm
	4.3V	OFF
	Max	
	8.1V	OFF

BATT:

This setting is used to sound an alarm when the voltage is out of range.

Setup sensors		
→BATT	Min	Alarm
	0.0V	OFF
	Max	Alarm
	60.0V	OFF

TEMP:

Temperature information comes from an optional Temperature sensor. If it becomes higher or lower than the set value, an alarm will alert you.

Setup sensors		
→TEMP	Min	Alarm
	-17°C	OFF
	Max	Alarm
	100°C	OFF

CURR:

Current information comes from an optional Current sensor. If it becomes higher or lower than the set value, an alarm will alert you.

Setup sensors		
→CURR	Min	Alarm
	0A	OFF
	Max	Alarm
	100A	OFF

RPM:

RPM information comes from an optional RPM sensor. Min value indicates that the alarm will start when the RPM falls below the set value. Max value indicates that the alarm will start when RPM rises above the set value.

Aux. channels

This function allows users to set auxiliary channels. Every channel that is not assigned during the model setup will be set as an AUX channel. AUX channels can be used to control various extra features on an aircraft including landing gear, brakes, lights.

Setup:

1. Press the wheel to change source from aux channel 5 to 10 (And after channels not in use).
2. Move the wheel to assign a switch.
3. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.

```
==== Aux. channels ====
+Channel 5
+Source  None
Channel 6
Source   Used
```

```
==== Aux. channels ====
+Channel 7
+Source  None
Channel 8
Source  None
```

```
==== Aux. channels ====
+Channel 9
+Source  None
Channel 10
Source  None
```

Assign switches

The Assign switches function enables the user to assign a switch to the Flight mode and Thr. hold (throttle hold) functions.

Setup:

1. Press the wheel to switch between Flight mode and Thr. hold (throttle hold).
2. Use the wheel to assign a switch.
3. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.

```
==== Assign switches ====
Flight mode
+Sw:  None

Thr. hold
Sw:  None
```

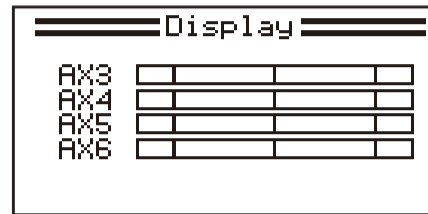
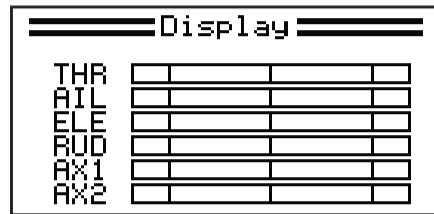
Display

This function displays the transmitter's channel output and can be used to test output and servo range.

Setup:

Press and hold the cancel button and the servos will move slowly through their entire range. Press the icon again to disable the function.

*Make sure the model engine is powered off while the test function is activated! If powered on, it will rev-up and possibly will lead to damages or personal injury.



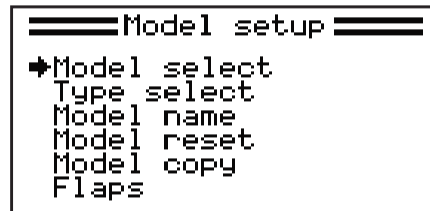
Model Setup

The Model setup function is used to set up, manage and delete models.

Model Select:

Selects a model from memory.

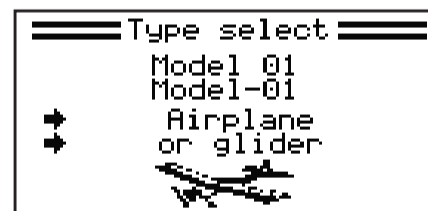
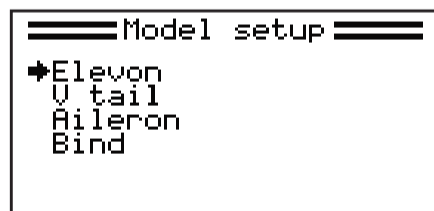
1. Use the wheel to select a memory slot for the model.
2. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.



Type select:

Change between airplane / glider, and different helicopter types and multicopter.

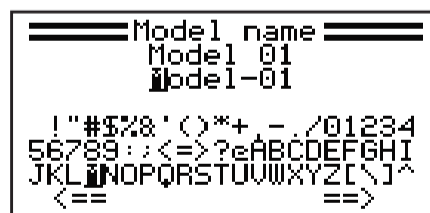
1. Use the wheel to select the model type.
2. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.



Model name:

Change the name of a saved model.

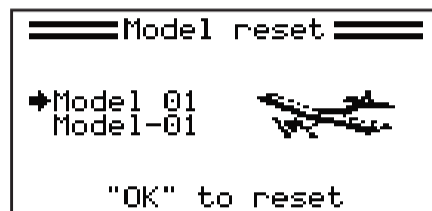
1. Use the wheel to select number, letter or special character.
2. Press the wheel to enter a number, letter or special character.
3. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.



Model Reset:

Resets a model to factory default settings.

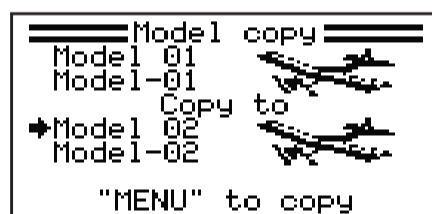
1. Use the wheel to select a memory slot for the model.
2. Press the wheel to select and then move the wheel to select yes and press the wheel again.
3. If needed press the cancel key to exit without saving.



Model copy:

Copies a model from one memory slot to another.

1. Use the wheel to select a model to copy and press the wheel.
2. Use the wheel to select a memory slot to copy to.
3. Press and hold the wheel and then move the wheel to select yes.
4. If needed press the cancel key to exit without saving.

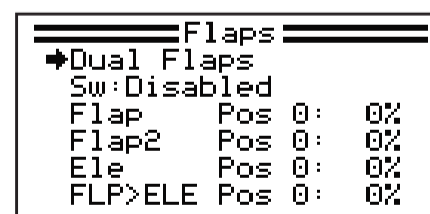
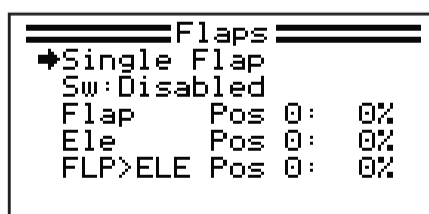
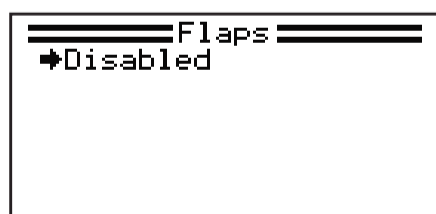


Flaps:

Flaps increase lift at lower airspeeds by increasing the camber of the wing or, in some cases, increasing the camber and surface area of the wing. This is quite useful during landing and take off. If your model has flaps this function will set the [UP] and [DOWN] positions for the flaps. The flaps can also be controlled by a switch, knob or logic gate. This function can also mix flap with aileron movements.

Setup:

1. Use the wheel to enable the flaps function and press the wheel.
2. If needed use the wheel to set a switch and press the wheel.
3. Use the wheel to set the flap position and press the wheel.
4. Use the wheel to set the Elevon position.
5. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.



Elevon:

The elevon function is used for planes that combine the elevons and ailerons together.

Setup:

1. Use the wheel to enable the elevon function and press the wheel.
2. Use the wheel to set the first channel's position and press the wheel.
3. Use the wheel to set the second channel's position.
4. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.

```
==== Elevon ====
  *Elevon Off
    Ch1 50%
    Ch2 50%

    Ch1 <= Ch1
    Ch2 <= Ch2
```

V Tail:

The V-tail function is used for planes that have no elevators and has a V-tail rudder configuration. V-tail and Elevon options are mutually exclusive. V-tail is not available if Elevon option is enabled and vice versa. Elevon option is not available when V-tail option is enabled.

Setup:

1. Use the wheel to enable the elevon function and press the wheel.
2. Use the wheel to set the third channel's position and press the wheel.
3. Use the wheel to set the fourth channel's position.
4. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.

```
==== V tail ====
  *V tail Off
    Ch2 50%
    Ch4 50%

    Ch2 <= Ch2
    Ch4 <= Ch4
```

Aileron:

Aileron function supports two options:

- Single Aileron – Single aileron output to Aileron channel (Ch2-Ail).
- Dual Aileron – Two outputs (Ch2-Ail1 and Ch5- Ail2). This allows using a separate servo on each aileron.

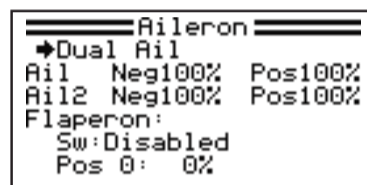
In **Single Aileron** function the servo subtrim, reverse and endpoints are done in Servo setup menu. No additional settings are available.

In **Dual Aileron** servo subtrims, endpoints and reverses are done same way as in Single aileron case. In addition to this some more functions are available.

User can assign a percentage of each aileron travel (0~100% down and 0~100% up) out of full travel of the servo set in Servo setup menu. This is useful to compensate differences of each servo travel and some mechanical imperfections. It is also useful in situations when ailerons should travel down more than up.

Flaperon function is also available in Dual Aileron menu. This function enables ailerons to act as flaps and at the same time ailerons still can function normally controlling the roll of the model. In order to use Flaperon function:

- Go to Flaperon section.
- Sw: - enable and assign available switch to turn flaperon On and Off (Sw 1..Sw8).
- Adjust position of ailerons in Flaperon mode setting percentage (-100%~+100%).
- Positive percentage moves aileron in “flaps” position in one direction, while negative percentage moves them in opposite direction. You should use negative or positive values depending on your model setup. Percentage of the flaps is taken from the aileron servo travel set in **Dual Ail** section. For example if Ail is set to travel 30 mm, setting flaps to 20% will make aileron move 6mm when Flaperon function is ON.



Bind:

1. Initiate binding procedure on your receiver (depends on the receiver used - bind plug, button, auto-bind. To see how to initiate binding on the receiver please refer to the receiver manual).
2. Press and hold the binding key and turn on the transmitter. (Or, turn on the transmitter, press and hold the wheel to enter the main menu to select model setup, then choose the bind menu to enter binding mode).
3. The system will display “RX Binding..”. After successfully binding, the transmitter will automatically exit this binding menu.
4. If your receiver uses a bind plug for binding make sure you remove it after binding procedure.

Please also read the “NOTICE” section of Binding Procedure on P.6

```

RX Binding..
  
```

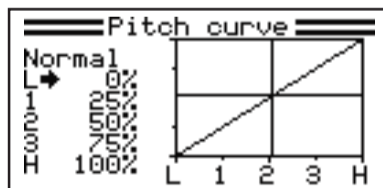
Helicopter

Pitch curve

The pitch curve describes the non-linear relationship between the pitch (throttle) stick movement and the collective pitch angle of the main rotor blades of the helicopter. Pitch curve can be used to smooth out or alter the rotor pitch over the stick’s range of movement. For example if more reaction is needed through a certain range of the sticks movement then this can be done by altering pitch curve.

Setup:

1. Press the wheel to change point values on the pitch curve.
2. Move the wheel left or right to change the point’s value (position) on the graph.
3. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.



Model setup

Swashplate mix

Adjust the motion range of the three inputs(aileron, elevator, pitch) to achieve the desired maneuverability. Refer to your model's manual to ensure the best results.

This function is used to edit the pre-programmed mix control of the helicopter's aileron, elevator and pitch.

Use the wheel to change the aileron, elevator and pitch values.

Setup:

1. Use the wheel to change the aileron value, then press the wheel.
2. Use the wheel to change the elevator value, then press the wheel.
3. Use the wheel to change the pitch value.
4. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.

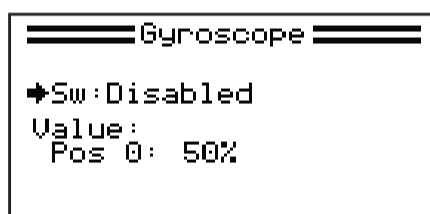
Gyroscope

This function is used for adjusting the gyro's sensitivity.

If the sensitivity is too high the helicopter will oscillate (tail moving from side to side) and if the sensitivity is too low the helicopter will be sluggish and unresponsive.

Setup:

1. Use the wheel to assign a switch or toggle to ON (always ON) , then press the wheel.
2. Use the wheel to change the position value.
3. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.



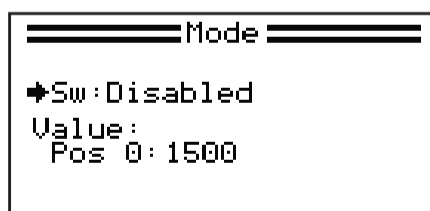
Multi-copter

Mode

The function can store up to 3 different modes which can be activated using a switch.

Setup:

1. Use the wheel to assign a switch or toggle to ON (always ON) , then press the wheel.
2. If needed use the wheel to change the position value.
3. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.



ARM

The function ensures a model will not fly until a switch has been toggled.

Setup:

1. Use the wheel to assign a switch or toggle to ON (always ON), then press the wheel.
2. Use the wheel to select a channel.
3. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.



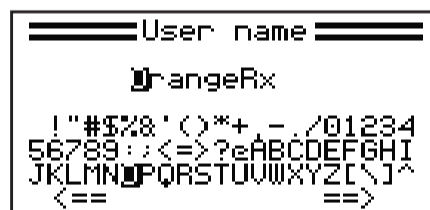
System setup

User name

Set a user name for your system.

Setup:

1. Use the wheel to select a character and press the wheel to enter it.
2. Press and hold the wheel to save and exit, or press the cancel key to exit without saving.

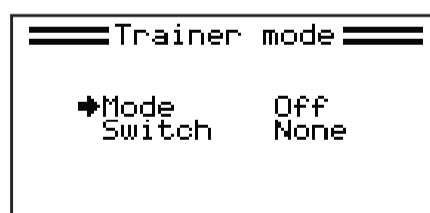


Trainer mode

This function allows you to connect 2 transmitters together. The system that enables the trainer function will become the master, and will be able to override the system it is connected to (if the slave is set to student mode). Usually this function is used by instructors to teach students how to fly. They can give the student full control but can quickly step in if anything goes wrong.

Setup:

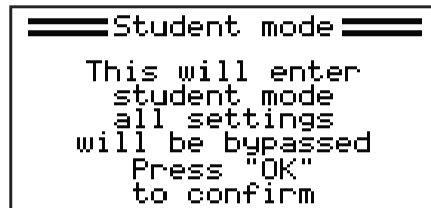
1. Use the wheel to turn trainer mode on then press the wheel.
2. Select a switch to control the trainer mode (The student will only have control when this switch is in its active position).
3. Press and hold the wheel to save and exit.



Student mode

This function is used when another system is connected as a master (trainer). When this mode is active all settings will be bypassed and the system will only function through the master.

Press and hold the wheel and move the wheel to select yes.

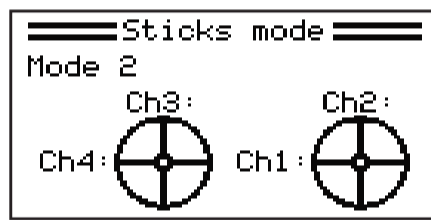


Sticks mode

There are 4 available stick modes, each stick mode changes the stick functions.

For example when using stick mode 2 the left stick controls throttle on the vertical axis and rudder in the horizontal axis. However in stick mode 3, the vertical axis controls elevator and the horizontal axis controls aileron. These modes are largely down to personal preference.

Move the wheel to select a stick mode then press and hold the wheel to save and exit.



LCD brightness

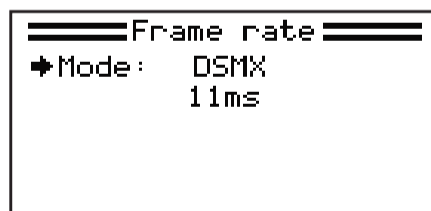
This function controls the LCD backlight's brightness. Please note increasing the brightness will reduce battery life.

To change the LCD brightness, Use the wheel to change the screen brightness then press and hold the wheel to save and exit.



Frame rate

This function sets the protocol type and speed. Use the wheel to highlight the desired protocol then press and hold the wheel to save.



System settings

Firmware Ver.

This function shows information about the transmitter's currently installed firmware version.

```
==Firmware ver.==  
  
ORX Tx10i  
1.0 15-Jan-2019  
Hardware V_1.5
```

Firmware update

The function is for updating the system's firmware.

Setup:

1. Download the latest firmware from www.hobbyking.com
2. Open the firmware update on a computer and connect the system via USB cable.
3. Select [Firmware Update] from the systems function menu. Press the wheel, the system will show a prompt, "This will enter firmware update mode and halt other functions" with an option to continue. Press Roller button and the screen will show "Yes" and "No". Select "Yes" and press Roller button to confirm.
*When in update mode the system will show a prompt, "Update mode active. Turn the system off and on again to exit".
4. Once the system has been recognized by the computer select the update button.
*Once the system has been updated it will restart.
*Once the system has restarted it is safe to remove the USB cable.

```
==Firmware update==  
  
This will enter  
firmware update  
mode and halt  
other functions  
Press "OK" to  
confirm
```

RF module ver.

This function shows information about the receiver's currently installed RF module version.

```
==RF module ver.==  
  
18-Apr-2018
```

RF module update

This function is for updating the RF module.

Setup:

1. Connect the system to your computer via USB cable.
2. Press the wheel, the system will show a prompt, "This will enter RF module update mode and halt other functions" with an option to continue. Press Roller button and the screen will show "Yes" and "No". Select "Yes" and press Roller button to confirm.
3. Open the software update on a computer . Select COM port , then press "Connect".
4. Press "Open file" to choose the file and press "Write" to enter the update mode.
5. Restart your system.

```
==RF module update==  
  
This will enter  
RF module update  
mode and halt  
other functions  
Press "OK" to  
confirm
```

Factory reset

Resets the system to factory settings. To reset enter this function, press the wheel then move the wheel to select yes and press the wheel again.

Press and hold the wheel and move the wheel to select yes.

```
==Factory reset==  
  
This will reset all  
parameters to their  
factory default  
  
Press "OK" to confirm
```