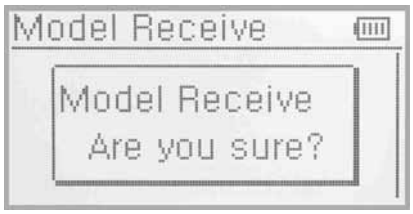
(2) Model receiving

Press ENT to enter Main Menu and press UP or DN to select Model Menu. Press ENT to get Model Menu and press UP or DN to select Model Receiving, continue to press ENT to enter Model Receive setting interface. An enquiry information “Are you sure?” will be shown as below Illustration.



Press ENT to receive, “Connecting ……” and “Receiving ……” will be shown in series in the interface. The information of “Received” with the model name will be shown after receiving is finished. Or press EXT to exit.

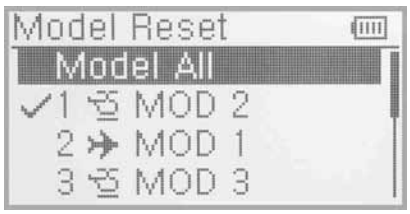
Press UP or DN to choose the save position, an enquiry information “Are you sure?” is shown after press ENT. Press ENT to save or press EXT to exit.

Press EXT to exit after finished.

2.5 Model reset

All the model data can be restored to factory settings via Model Reset.

Press the ENT to get Main Menu and press UP or DN to select Model Menu. Press ENT to get Model Menu and press UP or DN to select Model Reset, press ENT to get Model reset setting interface.



It is possible to store up to 30 models data in the model list of DEVO 7E equipment. There are two methods to reset the model data: batch reset and single reset.

Batch reset: press UP or DN to select All Models, an enquiry information”are you sure?” will be appears in the interface. Press ENT to reset all models, or press EXT to exit.

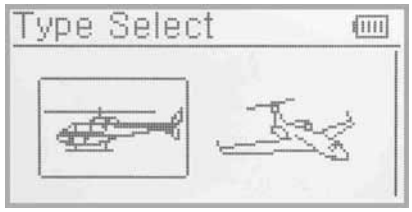
Single reset: Press UP or DN to choose the model you want to restore, “Are you sure?” will appear after press ENT. Press ENT to reset or press EXT to exit.

Press EXT to exit after finished.

2.6 Type Select

This device offers two model types menu. They are helicopter and airplane respectively.

Press ENT to get Main Menu and press UP or DN to select Model Menu. Press ENT to enter and press UP or DN to select Type Select and press ENT to enter setting interface.

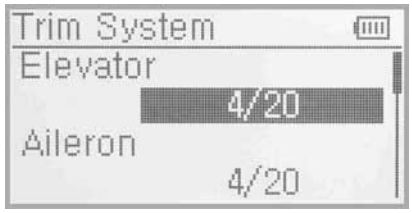


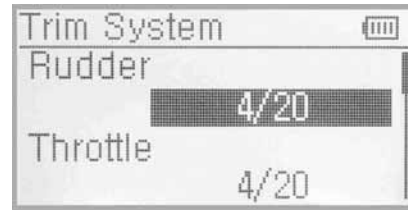
Press “ENT” button to get Helicopter and Airplane selections and press UP or DN to select and press ENT to confirm, then press EXT to exit.

2.7 Trim System

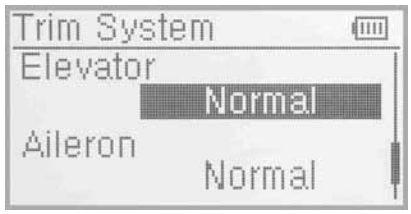
Trim System is able to finely tune the following four items, respectively: Elevator, Aileron, Rudder, Throttle. The trim range is divided into 20 grades (factory default is set at 4). It is convenient to subtly modify the pitch by adjusting the trim range.

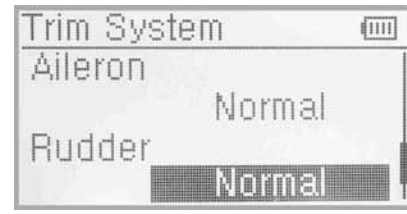
Press ENT to get Main Menu and press UP or DN to select Model Menu. Press ENT to enter and press UP or DN to select Trim System, press ENT to enter setting interface.





Press UP or DN to select the trim which will set, press R to increase the trim value and press L to decrease. For elevator, aileron and rudder, there are two more options : Normal and Limited. Press R or L you can change the setup. “ Normal: means the trim is always working although th 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.

2.8 Stick Position Switch

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

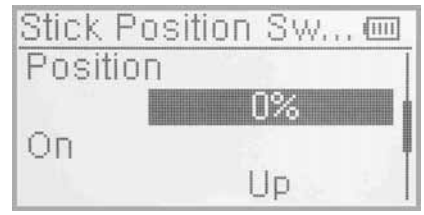
Method for setting:

Press the ENT to get Main Menu and press UP or DN to select Model Menu. Press ENT to get Model Menu and press UP or DN to select Stick Position Switch, press ENT to get Stick Position Switch setting interface.

There are four options under the Stick postion switch: SPS0, SPS1,SPS2,SPS3. Press R or L to choose the switch you want to define.

Press UP or DN to inhibit channel in navigation mark, and press R to expand the menu.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, then Press DN to move nagivation mark to value of position. It's possible to adjust the stick position via pressing R or L.



Press DN to navigate the OPEN setting,press R or L to change the direction of the channel stick.

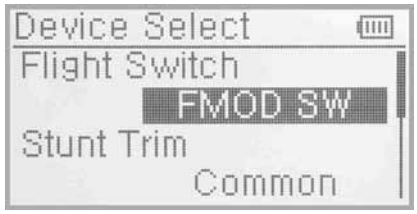
Press UP or DN to navigate the STATUS, which can check the sketch map of the stick OPEN/CLOSE direction. Check if it was set correctly.

After finished the setting,press EXT to exit.

2.9 Device select

This setting can help you configure various functional switches. It includes Fight Mode Switch, Stunt Trim Select and Throttle Hold Switch.

Press ENT to enter Main Menu, press UP or DN to move navigation mark to select Model menu. Press ENT to enter Model menu function. Press UP or DN to select Device Option. Press ENT to Device Option interface.



(1) Flight Mode Switch:Press UP or DN to move navigation mark to Flight Mode Switch and press R or L to select the desired switch. The factory default setting is FMOD switch.

(2) Stunt Trim Select:There are two modes: Common and Flight Mode. In Common Mode all the trim values, which various sticks are corresponding to, put equall effect on all the flight modes.In Flight Mode, the trim value, each of which stick is corresponding to, puts independent effect on the corresponding stick. The factory default setting is Common.

Press UP or DN to choose the Stunt trim select , press R or L to select "Common"or Flight Mode,the factory default setting is Common.

(3) Throttle Hold Switch:Refer to "(1) Flight Mode switch"

After finishing the setting, press EXT to exit.

2.10 Device Output

Device output can set up the output switches respectively. It can also activate, inhibit or use other functions.

Setting:

Press ENT to enter main menu, press UP or DN to move navigation mark to Model Menu. Press ENT to enter Model Menu. Press UP or DN to select Output Device and press ENT to enter Output Device interface.

There are 2 settings:Gear, AUX2.

(1) Gear

Press UP or DN in output interface can change the GEAR Switch. It includes FMOD SW, HOLD SW, SPS0 SW, SPS1 SW, SPS2 SW, SPS3 SW. Press R or L to select the setting switch, The default setting is HOLD SW.

Press UP or DN to select Function Setting after you select the switch,Press R or L can enter the interface of Gear activate,inhibit,Gyro and Governor. The default setting is Activate. You can continue to set other items after finishing.

(2) AUX 2

Press UP or DN to enter the AUX2 interface.Press R or L can change the AUX2 switch. It includes FMOD SW, HOLD SW, SPS0 SW, SPS1 SW, SPS2 SW, SPS3 SW. The default setting is FMOD switch.

Press UP or DN to select the Function Setting, press R or L to choose the switch, it inculdes Inhibit, Active, Gyro, Governor. The default setting is Gyro.

After finishing the setting, press EXT to exit.

2.11 Swash Type

The swash type is grouped into five options: 1 Servo Normal, 2 Servos 180°, 3 Servos 120°,3 Servos 140° and 3 Servos 90°.

Press “ENT” to enter Main Menu, press UP or DN until “MODEL” flash , and then press “ENT” to enter Model Menu; Press UP or DN to choose"SWASH"press ENT enter to Swash setting interface.

Press UP or DN to choose the required swashplate type. Press ENT to confirm, the corresponding items will have the"✓"mark in front of the items.Press EXT to exit after finishing.

2.12 Fixed ID

This setting will bind DEVO 7E with its receiver in a unique corresponding relationship. It will greatly speed up the time of automatic binding when DEVO 7E powered on.

(1) Setting for fixed ID

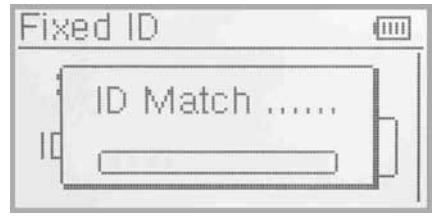
The setting for fixed ID should be under the status that automatic ID binding is successfully finished. Below is the setting method.

Press ENT to enter the Main Menu and press UP or DN to move the navigational mark to select Model menu. Press ENT to enter Model Menu. Press UP or DN to select Fixed ID and press ENT to enter the Fixed ID setting interface.

If you want to activate the fixed ID settings, press R or L to change the status from off to ON(The default setting is OFF). A series of random digits will be shown below after change to On.

Press UP or DN to choose the ID code setting and press ENT to confirm. Press R or L to choose the digits. After finished, press DN to move to the next code setting, there are 6 digits can be setted.

Press ENT key after the new ID has been setted. An inquiry interface of “Are you sure?” pop up. “ID Code Matching … …” will be shown after press ENT. After matching, the interface will be returned to Model Menu.



(2) Fixed ID cancellation

Insert the assorted BIND PLUG into the output terminal of BATT before the receiver is powered on, and then plug 5V DC power into other output terminal. The red light of receiver will flash slowly. This means the fixed ID code has been cancelled. Pull out bind plug. DEVO 7E also needs to make relative cancellation and revision after the fixed ID in receiver is cleared out.

In the main interface press the ENT to enter Model Menu and then press UP or DN to move the navigational mark to select MODEL MENU. Press ENT to enter MODEL MENU. Press UP or DN to select Fixed ID code and press ENT key to enter the Fixed ID code interface. Press UP or DN to select STATUS option, Press R or L to change the status to Off. Then press EXT to exit.

2.13 Sensor setting

Setting method: press ENT enter to the Main Menu. Press UP or DN to select the Model Menu. Press ENT enter to Model Menu. Press UP or DN to select sensor press ENT enter to the sensor setting interface. See the Illustration.

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.

(1) No Signal Warning

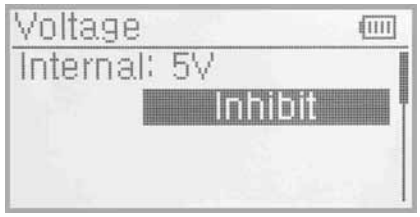
Press UP or DN to make the navigation mark to choose ”No Signal Warning”.Press R or L to choose ” Inhibit” or “Active”(default setting is” inhibit”). If you choose “Active”,the Radio will alarm when telemetry signal lost. As following:

(2) Voltage setting

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 R or L to activate the 5V, the alarm interface will appear in the interface , please refer to the Illustration.



Press UP or DN to select the Alarm Voltage setting,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) External V1

Press UP or DN enter to External V1 setting interface. Press R or L to activate the V1,the details refers to the Illustration.

Press UP or DN to select 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.

(2.3) External: V2 setting can refer to External V1 setting.

Press EXT back to sensor setting interface after you finished.

(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 make the navigation mark to choose “Temperature Sensor”,and press ENT to enter “Temperature Sensor”setting interface. See the illustration.

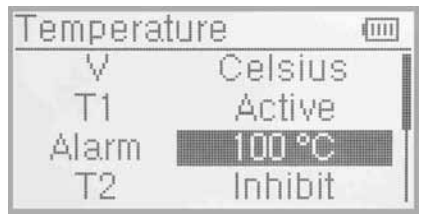
(3.1) Unit

Press UP or DN to make the navigation mark to choose “Unit”setting item,and press R or L to choose Unit, two kinds of Unit:Celsius and Fahrenheit.

(3.2) Alarm Temperature settings

Press UP or DN select the T1 ,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.

Press UP or DN to select “Alarm”setting,press R or L to set the alarm temperature value.Press UP or DN to set other items after finishing the setting.



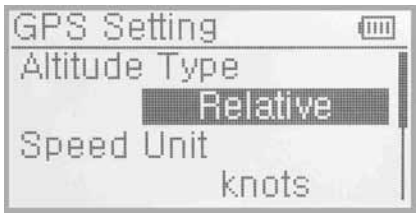
(3.3) T2,T3,T4 setting

Refer to the step of “(3.2)T1”.

(4) GPS setting

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

Press UP or DN to select the Sensor setting interface to enter the GPS setting interface.

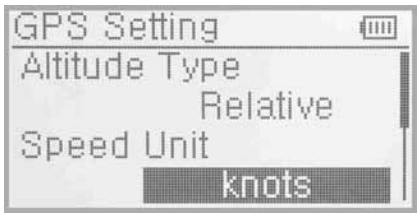


(4.1) Altitude Type

Press UP or DN to select the Altitude type on the GPS setting interface and it’s Absolute and Relative.

(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.

(4.4) Time Zone

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

(4.3) Date Type

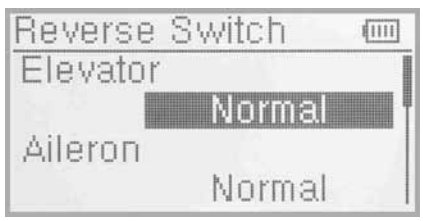
(4.4) Time Zone

3.0 Function Menu

Function Menu can help you custom adjustments for the selected models. The menu include items such as Reverse Switch, Travel Adjust, Sub Trim, Dual Rate and Exponential, Throttle Hold, Throttle Curve, Mix to Throttle,Gyro Sensor, Governor, Swash Mix, Pitch Curve, Program Mix, Monitor, Fail Safe, Sensor view, Trainer and Timer.

3.1 Reverse Switch

Press ENT in main interface to enter Main Menu; Press UP or DN to move the navigation mark to Function Menu. And press ENT to enter Function Menu, Press UP or DN to choose Reverse Switch and Press ENT to enter into Reverse Switch interface.



Press UP or DN to move navigation mark 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, Gear, Pitch and Aux2 can be referred to the way of ELEV Reverse Switch. And press EXT to exit after finishing setting.

3.2 Travel Adjust

Press ENT to enter into Main Menu. Press UP or DN to move navigation mark to select item Function Menu. Press ENT to enter Function Menu. Press UP or DN to select Travel Ajust, Press ENT to enter Travel Adjust interface, as below illustration. It shows the Travel Adjust status of one channel:

Take ELEV for example, Press UP or DN to move navigation to desired item Elevation of U. Press R or L to increase or decrease the servo travel range. The adjustment range is from 0.0% to 150.0%. The factory default is 100.0%.

Press UP or DN to move navigation mark to desired item D of ELEV. Press R or L to increase or decrease the servo travel range. The range is from 0.0% to 150.0%. The factory default is 100.0%.

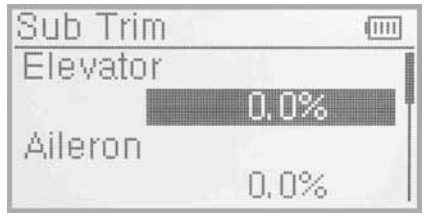
All other channel's Travel Adjust like Aileron, Throttle, Rudder, Gear, Pitch and Aux2 can be referred to ELEV travel Ajust. Press EXT to exit after setting finished.

3.3 Sub Trim

Sub Trim can move the neutral point of the servo. But we advise you to mechanically adjust the servo bell crank if offset is far away from the neutral point of servo, because excessive usage of the sub trim may damage the servo.

Setting method:

Press ENT to enter Main Menu, Press UP or DN to move the navigation mark to desired item Function Menu. Press ENT to enter Function Menu, Press UP or DN to select Sub trim, and press ENT to enter Sub Trim interface.



The interface show the items and the channels which are adjustable. Press R or L to change the neutral point of Servos. The factory default is 0.0%. Press UP or DN to choose desired items. The range as below:

Channel name	Adjustment range	Channel name	Adjustment range
Elevator	D62.5%～U62.5%	Gear	-62.5%～+62.5%
Aileron	R62.5%～L62.5%	Pitch	L62.5%～H62.5%
Throttle	L62.5%～H62.5%	AUX2	-62.5%～+62.5%
Rudder	R62.5%～L62.5%		

Press EXT to exit after adjustment finished.

3.4 Dual rate and Exponential

After this function is set up, it is possible for FMOD switch to control the dual rates of elevator, aileron and rudder, respectively. The setting range is covered from 0-125%. Under the help with exponential curve adjustment, it is possible to make both customized setting and automatic setting.

Setting method

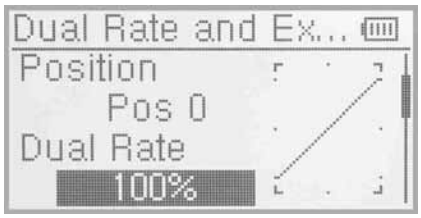
Press ENT to enter Main Menu. Press UP or DN to move navigation mark to desired item Function Menu. Press ENT to enter Function Menu, press UP or DN to choose Dual rate and Exponential, Press ENT to enter D/R and Exponential interface.

(1) Channel selection

Press UP or DN to move navigation mark of Channel, Press R or L to set up channels containing Elevator, Aileron and Rudder. Choose the desired channel for setting.

(2) Position selection

Press UP or DN to move navigation mark to desired item Position. In the manual mode, the function of Dual rate and Exponential will be executed by the corresponding FMOD switch among Pos0 and Pos1. Take the item Elevator at channel as an example, It's possible to shift between Pos0 and Pos 1 via pushing or pulling the FMOD switch.



(3) Dual rate adjustment

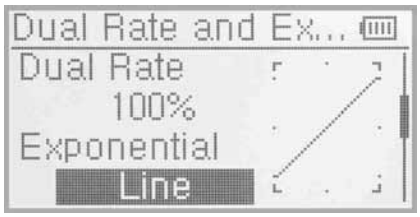
Press UP or DN to move the navigation mark to desired item Dual Rate. It's possible to change the dural rate value of Postion via pressing R or L and the corresponding value curve in the right top of interface will be changed accordingly. The factory default is 100%.

(4) Exponential

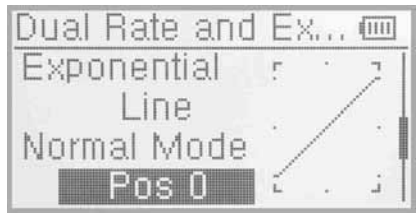
Press UP or DN to select Exponential item of navigation mark. It's possible to change Dual Rate and Exponential value in Pos when pressing R or L to change the value. There are ± 100% and Line three adjustment. At the same time, the corresponding curve will be changed and shown at the right graph.

(5) Normal Mode

Press DN to move the navigation mark to "Normal Mode", press R or L to choose Pos0,Pos1 and Pos2.



(4) Exponential



(5) Normal Mode

(6)Stunt Mode:Refer to "(5) Normal Mode"

Press EXT to exit after finishing the setting.

3.5 Throttle Hold

If this function is set, the switch will be exectuted by hold switch. The setting value of throttle hold is ranged from -20.0-50.0%. the default setting is Inhibit.

Setting method:

Press ENT to enter Main Menu, Press UP or DN to move navigation mark to select Function Menu. Press ENT to enter Function Menu. Press UP or DN to select Throttle Hold, Press ENT to enter Throttle Hold interface, as below illustration:

Press R or L to activate Throttle Hold function, and expansion list will be shown as Throttle hold status, Throttle hold position and Throttle hold switch.

(1) There are two items under Throttle Hold Status: Active and Inhibit. The factory default setting is Inhibit.

(2) Throttle Hold position

In the Throttle Hold interface, press UP or DN to make the Navigation mark to choose “Throttle Hold Position” setting options. Press R or L to change data, the minimum value is -20.0%; the maximum value is +50.0%.

(3) Throttle Switch setting

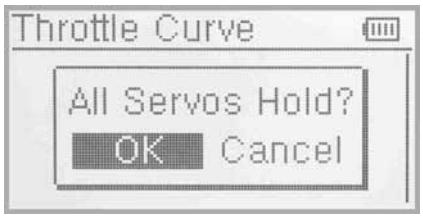
It’s invalid for setting, the factory default is HOLD switch which will be shown in the status item. When the Throttle Hold switch is ON, data under the Throttle Hold can not be amended until Throttle Hold switch to be OFF, and the hold status is changed.

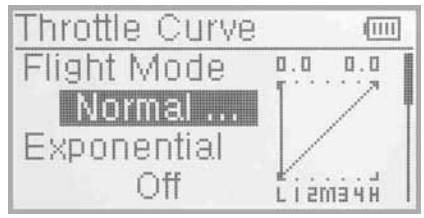
Press EXT to exit after setting up finished.

3.6 Throttle Curve

Throttle curve are adjusted through seven points, which of all the flight modes can be respectively set. The flight mode include Normal Flight, Stunt.

Press ENT to enter main menu, Press UP or DN to move navigation mark to select Function Menu. Press ENT to enter Function Menu. Press UP or DN to select Throttle Curve, Press ENT to enter Throttle Curve interface.The enquiry dropdown is shown”All servos hold?” If click OK, all the servos will be locked at the current status, if click Cancel, all the servos will be unlocked at the current status.



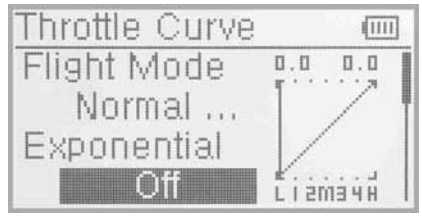


(1) Flight Mode

There are total two flight modes: Normal Flight, Stunt. The Curve of which can be respectively set in their corresponding flight mode. The setting method is to press UP or DN to select Flight Mode in Throttle Curve interface. The corresponding flight mode will be shown when the Flight Mode switch shifts via pushing or pulling the Flight Mode Switch. And the exponential can be adjusted after Flight Mode is selected.

(2) Exponential Adjustment

Press UP or DN in Throttle Curve interface to move navigation mark of exponential curve and press R or L to set the exponential function Off and On. The throttle curve will be changed smoothly if touching ON, or in fold line if clicking OFF.



(3) Curve setting

It includes two items: Point and Output.