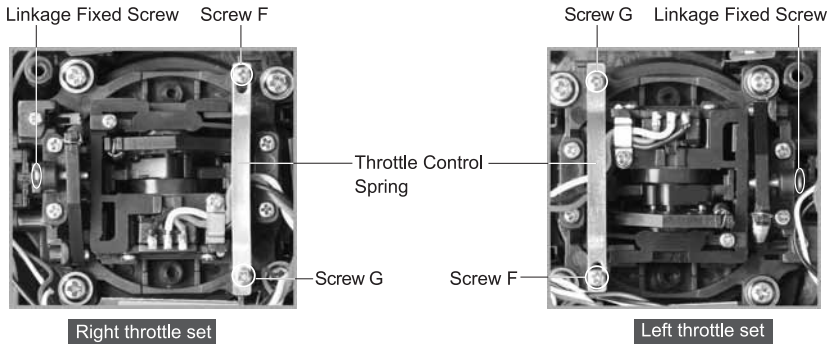


8.2 Left-hand throttle switched to right-hand throttle

(1) Mechanical switch

Refer to the above “Mechanical switch” to open the transmitter cover.

See the following pictures to learn the internal conditions of the left and right hand stich. Then use a Phillips screwdriver to release the connecting rod fixed screw\screw F\screw G and throttle arresting slices in the left hand throttle position,and fix them up in the corresponding right hand Throttle position.According to personal feeling to adjust screw F(adjust the Throttle stick to desired tention),then fixed up the transmitter back cover.



(2) The data switch

Refer to the steps of “8.1 right hand throttle switch to the left hand ,(2)electric switch”,access to “stick model”. The left hand throttle switch to the right hand.There are 4 stick models can be choosed at the stick position. Press UP/DN to choose “model 1\3” and confirm via ENT key,make a mark “√” before the choosed mode.Press EXT to exit after setup complete.The data can be switched automatically.



The switch from left hand throttle to right is completed and your DEVO 7E is ready for normal flying.

Note: Pay attention to the strength when removing and adjusting the screws. Excessive strength may damage them.

9.0 Training function

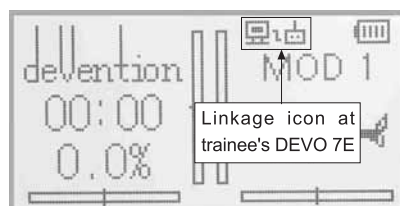
Two DEVO 7E transmitters working together can execute the training function to meet the requirements for the beginner. The setting method is shown as below:

(1) Data copy

First, use the wireless copy function between two DEVO 7E to copy the main transmitter’s model data to the trainee’s transmitter, this promise the the model data between two transmitters is same. Refer the copy method to the second part of helicopter “2.4 model wireless copy” and do the following steps:

(2) Linkage

Insert the signal wire from the trainer’s transmitter into the DSC socket of the trainee’s transmitter. Turn on the transmitter and a linkage icon will be shown on the boot screen.



linkage icon

Turn on the power of the trainer's radio. Find out the trainee's model data, and then let the trainer's Radio bind with the aircraft model and fly it normally. Then turn off the power. Insert the other end of the digital signal wire into the trainer's DEVO 7E, and then turn on its power. A linkage icon will be shown as below:



Trainer icon

Training status display: when the trainer's icon becomes into "X", the trainee stops flying and the trainer is working; when the trainer's icon turns into "✓", the trainee is flying and the trainer is in leisure.

(3) Usage method

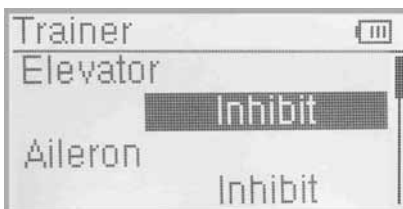
The default setting of the training switch is "R+" key. During flight, if the trainer press "R+" key, the linkage icon will be shown as "✓" that means the control right is moved to the trainee from trainer. If trainer pushes "R+" key once again, the linkage icon will be show as "X" that means the trainer takes back the control right from the trainee.



(4) Setting for training function channels

Trainee is available to get full or part of flight control power to the aircraft model via setting the training function channel in the trainer's radio. Below is the setting method:

Press the ENT key to enter Main Menu, and then press UP or DN to get access to function menu. Then press UP or DN to select "training function" and press ENT key to enter Trainer interface. The available channels are shown below, and the current status of trainer switch is also shown there. Available channels include: Elevator, Aileron, Throttle, Rudder, Gear, Pitch and Gyro.



Channel selection:

Press UP or DN to select the channel option; press R or L to select the channel(s) which you want to grant to trainee. The channel(s) you have selected will be activated as "Active". The channel(s) which are not granted to trainee will be kept inhibited. The default setting is "Inhibit".

Press EXT to exit.

10.0 Customized 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.

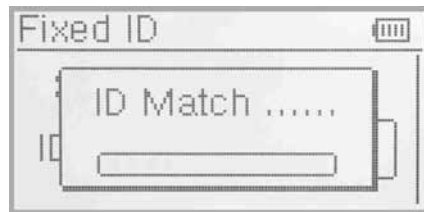
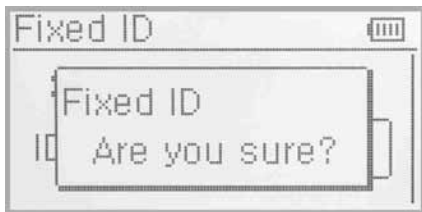
If you want to activate the fixed ID settings, press R or L to change the status from off to ON(The default setting is OFF). A series of random digits will be shown below after change to On.



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

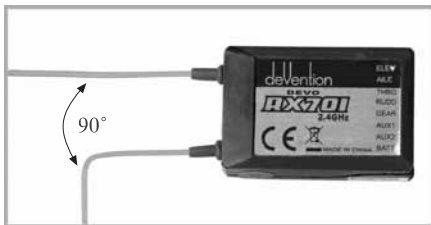
Insert the assorted BIND PLUG into the output terminal of BATT before the receiver is powered on, and then plug 5V DC power into other output terminal. The red light of receiver will flash slowly. This means the fixed ID code has been cancelled. Pull out bind plug. DEVO 7E also needs to make relative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



11.0 Installation requirement for receiver

- (1) It is important to correctly mount your radio system in your model. Below are some advices on how to install your equipments.
- (2) Wrap the receiver with 10mm thickness polyfoam and fix it with a rubber band or magic string on your helicopter or airplane. It helps protect the receiver.
- (3) It is necessary for you to use rubber grommets and copper sleeves to isolate the vibration from the main body. The mounting screws cannot be over-tightened. Otherwise, the rubber grommets will be distorted and decrease the vibration absorption effect.
- (4) When mounting the servos, make sure the servos' bell cranks can move freely over their whole travel range and ensure the control linkages don't touch or impede the movement of the servos.
- (5) If installing various switches, please keep them far away from the engine tuned pipe and high vibration sources. Ensure all the switches move freely over their whole range.
- (6) Don't make the receiver antennas wrapped or parallel, keep the two antennas form 90 degrees angle.



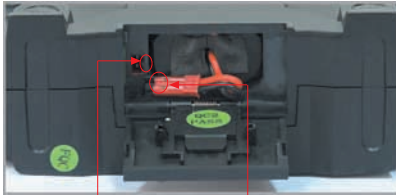
12.0 Installation requirement for DEVO 7E battery pack

Open the battery cover of DEVO 7E transmitter and take out the battery box. Then put 4 cells AA battery or the same size full charged NIMH battery into the battery box. Please check again to make sure the polarities are correct.

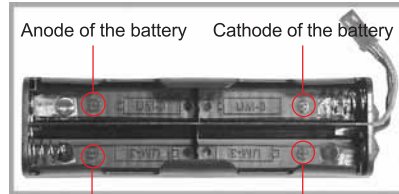


Warning: Do not put the polarities of batteries in the opposite directions.

Fool-proofing must insert correspondingly when battery pack connect to radio, see below:



Power fool-proof plug Battery box fool-proof plug



Cathode of the battery Anode of the battery

12.1 DEVO 7E Battery Charging

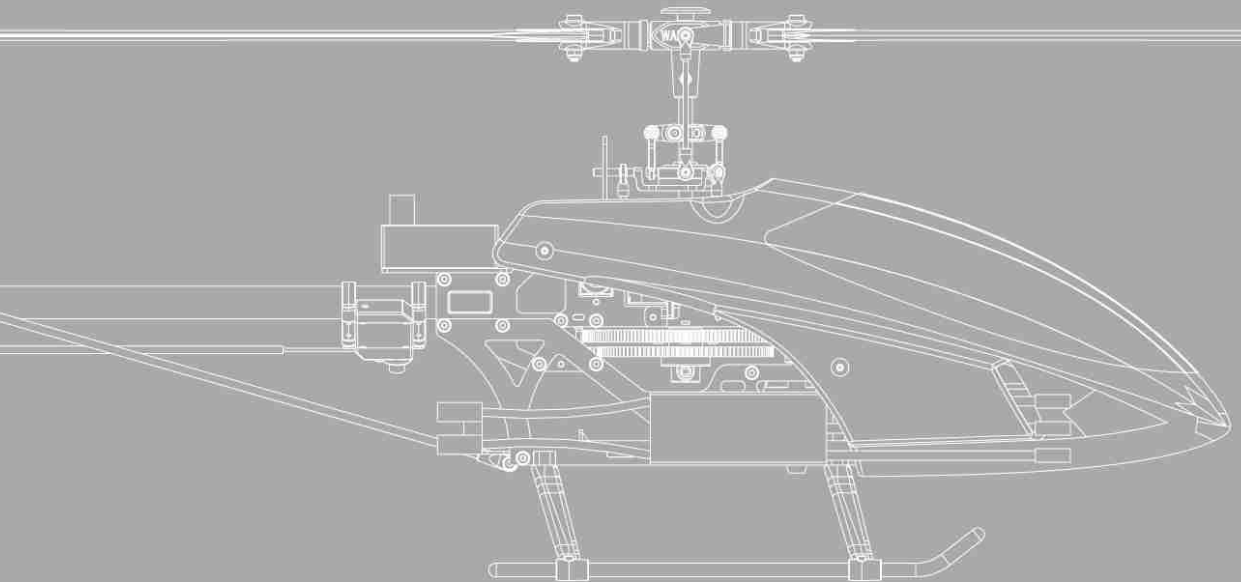
Warning: the CHG socket is only used for the rechargeable NIMH batteries. If using the batteries which is unchargeable. The CHG socket is not allowed to use.



Charge socket(CHG):input DC at 8-12V,200mA; Polarity: ⊕ → ⊖

Part two Helicopter

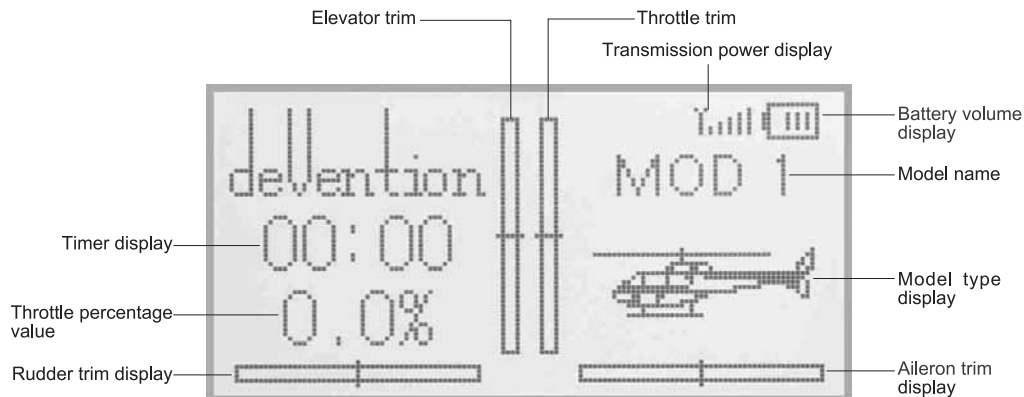
All the functional settings, which are relative to the operation system of DEVO 7E itself, are fully integrated in System Menu. They include Language, Display, Buzzer, vibrator, Stick Mode, Stick Direction, Stick calibration, and About.



1.0 System Menu

All the functional settings, which are relative to the operation system of DEVO 7E itself, are fully integrated in System Menu. They include Language, Display, Buzzer, vibrator, Stick Mode, Stick Direction, Stick calibration, and About.

Below is the boot screen of helicopter:

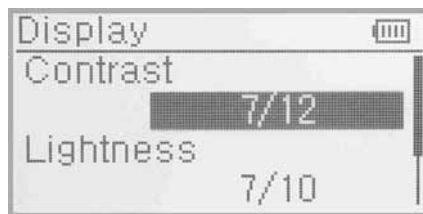


1.1 Language setting

Press ENT to enter System Menu and then press UP or DN to move the navigational mark to select System menu. Then push ENT to enter System menu. Press UP or DN to select Language and press ENT to enter the language interface. Press UP or DN to select the language that you want. A "✓" will be shown on the screen after selected. Push EXT to exit.



1.1 Language setting



1.2 Display

1.2 Display

Press ENT to enter the main menu and press UP or DN to move the navigational mark to select system menu. Press ENT to enter System Menu and then press UP or DN to select Display to enter "Display" interface. Three items are available to be set. Below are the setting methods for them:

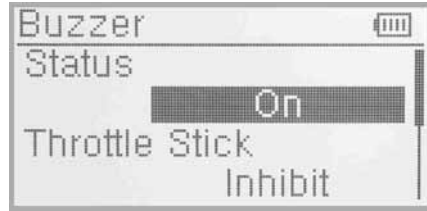
- (1) Backlight contrast: the backlight contrast is adjustable by pushing UP or DN to move the navigational mark to the digits after Contrast. Press R key to increase the backlight contrast, while press L to decrease it.
- (2) Backlight lightness: the backlight lightness is adjustable by pressing UP or DN to move the navigational mark the digits after Lightness. The power consumption will be increased if the backlight lightness is too bright and the battery cruise duration will be shortened. Press R or L to increase or decrease the lightness. When the value is one means turn off the backlight.
- (3) Backlight time out: it is possible to set the duration which LCD stays at highlight in the form of "Always on" or any period from 5 to 60 seconds with an interval of 5 seconds. Press UP or DN to move the navigational mark to select the digits after Timeout. Press L to short the time of backlight duration or keep it in the form of "Always on" while push R or prolong the time. The maximum is 60s.

Press EXT to exit.

1.3 Buzzer warning

Pressing ENT to enter the main menu and pressing UP or DN to move the navigational mark to select system menu then pusing ENT to enter System menu. Pressing UP or DN to select Buzzer and pressing ENT to enter the buzzer interface.

(1) Status: There are On and off two status on the Buzzer interface. Pressing UP or DN to move the navigational mark to the status option. Pressing R or L to change the ON or OFF status. It includes Throttle stick and Tones items under the status is ON.



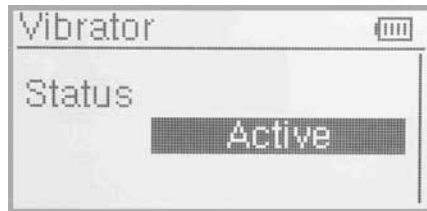
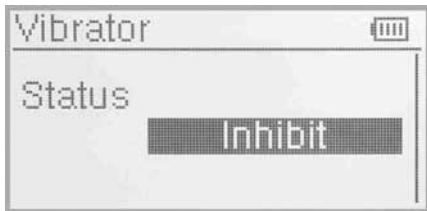
(2) Throttle stick buzzer: Pressing UP or DN to move the navigational mark to Thro Stick item then pressing R or L to change the status from inhibit to Active. When Buzzer is at the status of On, if Throttle Stick is set as "Active", a relative musical scale will make response when moving the throttle stick. You can judge the position of the throttle stick according to the different musical scales. Also, it can be set as Inhibit. Press UP or DN to move the navigational mark to Thro Stick item and push R or L to change the status from Inhibit to Active.

(3) Buzzer tone: the tone is composed of 10 grades. You can choose the favorite one according to your interests. Press UP or DN to move the navigational mark to Tone item and press R or L to make a listening test. Press EXT to exit.

1.4 Vibrator

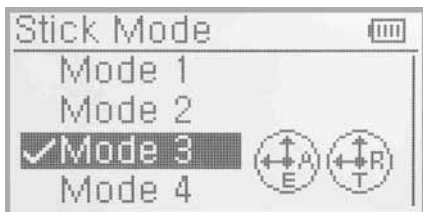
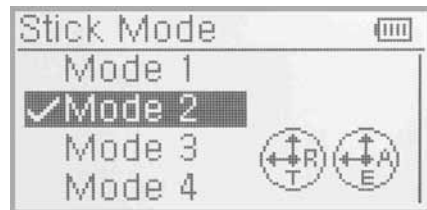
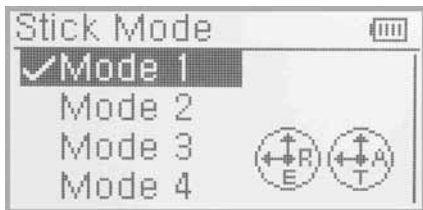
The vibrator used as an alarm function to remind the users.

Press ENT to get the Main Menu, press UP or DN to select System Menu. And then press ENT to get System Menu, press UP or DN to select Vibrator. Press ENT to get Vibrator setting interface. There are two status as Inhibit and Active. Press R or L to select Active if need. Press EXT to exit after finished.



1.5 Stick Mode

Under main interface, press ENT to enter into Main Menu; press UP or DN to make navigation mark at System Menu. Press ENT enter into System Menu; Press UP or DN to choose Stick Mode and press ENT to enter into Stick Mode interface.



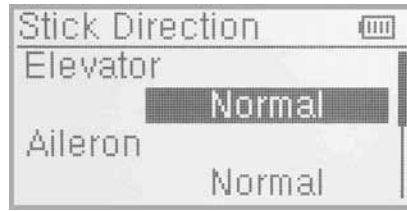
Select the stick mode according to the throttle mode showing on the screen. DEVO 7E offers 4 stick modes, please refer to "8.0 Switches exchange between left-hand and right-hand throttles.

Press EXT to exit after finished.

1.6 Stick Direction

Press ENT to enter into Main Menu; Press UP or DN to make navigation mark at System menu. Press ENT to enter into System menu; Press UP or DN to choose Stick direction, press ENT to enter into Stick direction interface.

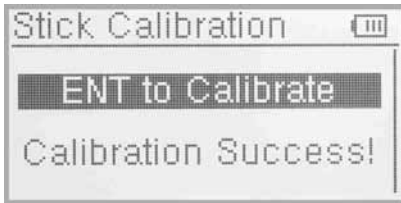
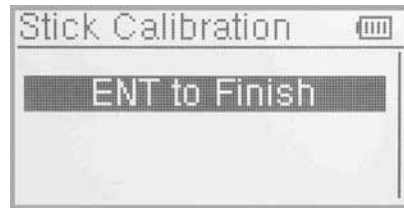
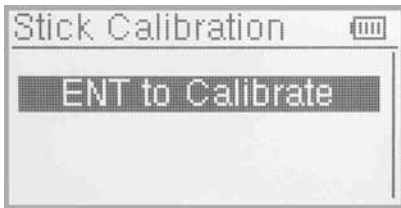
Stick Direction: There are four items available as Elevator, Aileron, Throttle and Rudder. Press UP or DN to select the stick which will change direction, and press R or L to change the direction. The factory setting is Normal.



1.7 Stick Calibration

It is a function to re-calibration when stick unusual.

Press "ENT" to the Main Menu, press UP or DN to select System Menu, then press ENT to System Menu. Press UP or DN to select Stick Calibration and press ENT to the Stick Calibration setting interface. Press ENT to enter Calibration, and below interface shows:



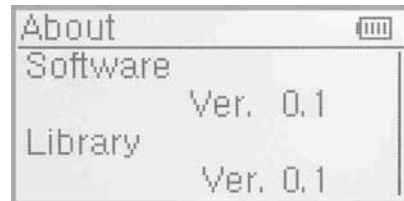
Clockwise or counter clockwise mechanically move the right stick and left stick from their minimum levels to their maximum levels several times, and then return the sticks to the neutral positions, respectively. Press ENT to confirm the calibration, it will show Calibration success, otherwise Calibration error, please calibrate again.

Press EXT to exit after finished.

1.8 About

Press ENT to enter into Main Menu; Press UP or DN to make navigation mark at System menu. Press ENT to enter into system menu; press UP or DN to choose About and press ENT to enter About interface. You can check the versions of hardware and software.

Press EXT to exit after finished.

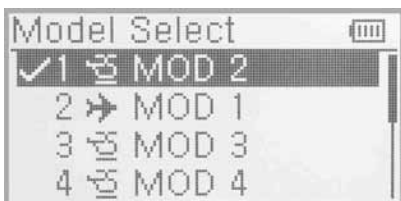


2.0 Model Menu

Model Menu manages all the model data saved in DEVO 7E. It includes Model Select, Model Name, Model Copy, Model Transmit, Model Receive, Model Reset, Type Select, Trim System, Stick Position Switch, Device Select, Device Output, Swash Type, Fixed ID and Sensor setting.

2.1 Model Select

Press ENT to get Main Menu and press UP or DN to make Model Menu is selected. Press ENT to get the Model Menu and press UP or DN to select Model select, press ENT to get the Model Select setting interface.



Press UP or DN to select the model you desired, press ENT to confirm and marks "✓" in the front of selected one. Total 30 models are optional. Press EXT to exit after finished.

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.

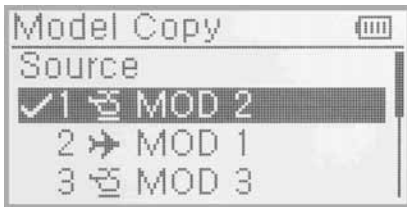
Press "ENT" to enter Main Menu, press UP or DN to select "MODEL Menu", then Press "ENT" to enter Model Menu; Press UP or DN to select "Model NAME" and then press "ENT" button to get the "Model Name" setting interface.

Press UP or DN 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

Press ENT to get "Main Menu" and press UP or DN to make "Model Menu" is selected. Press ENT to get "Model Menu" and press UP or DN to select "Model Copy", press ENT to the "Model Copy" setting interface. Press UP or DN to choose 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 below Illustration.



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



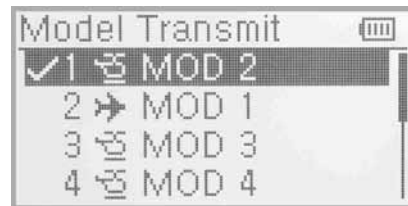
2.4 Model wireless copy

The model data between two DEVO 7E equipments can be wirelessly copied via Model Transmit and Model Receive in Model Menu.

(1) Model transmission

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 transmission", continue to press ENT to enter "Model Transmit" setting interface.

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 transmit, "Transmitting" appears in the interface. Or press EXT to exit. Press EXT to exit after another DEVO 7E received the data.

