

## Three、 Matter need attention about boot and pair

1, Before boot, please check if the gear switch is turn off or not (make sure be down) and IDEL switch is turn off or not (make sure be up), if any switch is turned off, it is nonsafety boot (display will flash 【TH】 or 【IDLE】 , RF no signal output), wait until all be turn off.

2, Finish the code pairing with receiver within 1 min, if overtime, it will tweet be..be.

## Four、 LCD function panel instruction

**【MODEL】** : Planes choice. Include: standard four channel (standard glider) delta wing CCPM+ CCPM- Flybarless planes

**【NAME】** : configuration management, Export configuration or save current configuration

**【GAIN】** : Gyro sensitivity. set normal and stunt sensitivity

**【D/R】** : direction ratio, Adjust a movement direction of the plane's direction ratio

**【EXP】** : direction curve, Adjust a movement direction of the plane's exponential curve, shown as rocker centra's sensitivity

**【TH】** : Throttle curve. Adjust normal and stunt throttle curve

**【PIT】** : Pitch curve, Adjust normal and stunt pitch curve

**【CH】** : Channel reverse swithover, Change single servo's movement direction

**【SN】** : Check series number, Check the equipment's series number (8 characters)

**【D/S】** : Check version, Check the equipment firm version

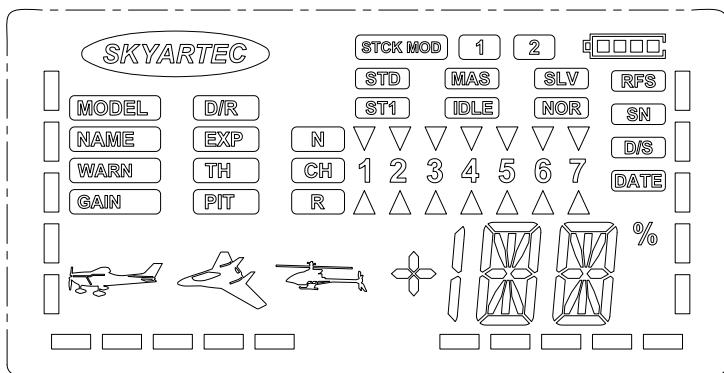
**【DATA】** : Check date of manufacture, Check the equipment's date of manufacture.

**【ST1】 【IDEL】 【NOR】** : <IDLE> switch status display (flap, stunt, normal).

**【STD】 【MAS】 【SLV】** : <<advanced>> teaching function, choose trainer plane, student plane.

**【STCK】** : <<advanced>> change rocker mode

**【RFS】** : <<advanced>> recover to factory setting.



## Five、 The manual for all functions

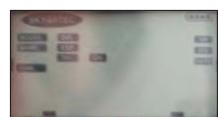
### Planes choice 【MODEL】

1. This page is for choosing a plane type, plane choice includes: 1- standard four channel (standard glider), 2-delta wing, 3-standard helicopter, 4- CCPM+, 5- CCPM-, 6- flybarless .

2. Press(MENU) into it. Press(+) or (-), choose the target (MODEL) and then press (MENU).

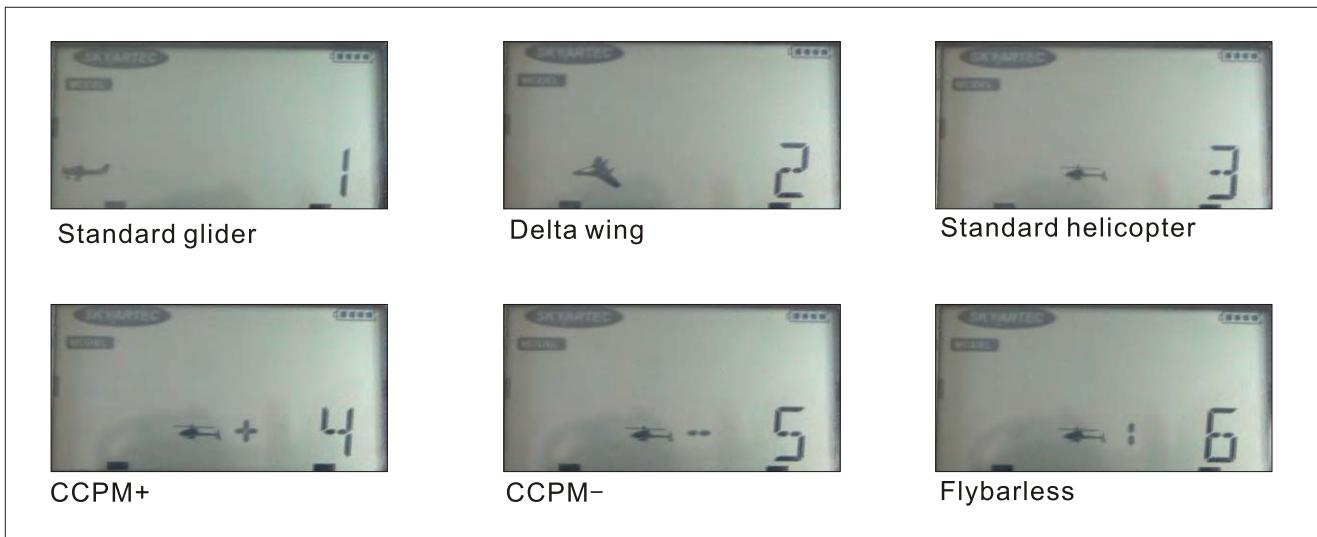
3. choose new plane operate steps:

- Press<+> up to choose planes
- Press<+> down to choose planes
- Press<EXIT> to save and exit



The interface choose model

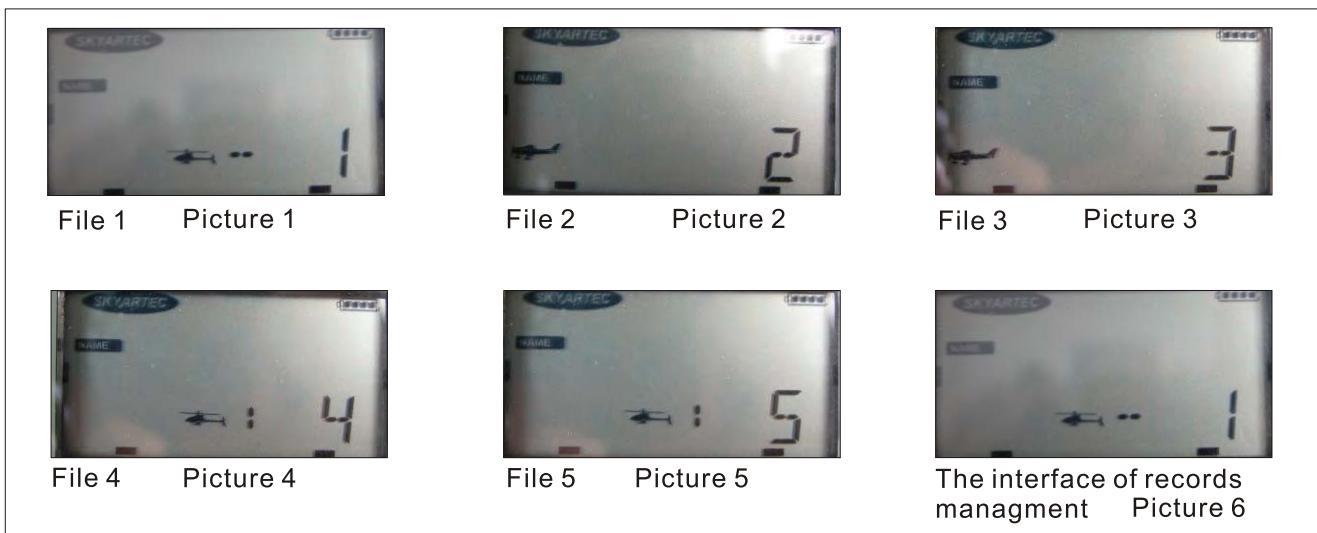
4.



## Records management 【NAME】

1. This page is for saving current configuration(all settings are using) to transmitter internal file, or use a configuration opening from internal file.

Internal file contains 12 files, first five are setted to corresponding mode, they are: file 1 CESSNA(match AP302 receiver), file name: "C1" **Picture 1**; file 2 SKYFUN(match AP302 receiver), file name: "J2" **Picture 2**, file 3 F16(match AP302 receiver), file name: "F2" **Picture 3**; file 4 X3V, file name: "3V" **Picture 4**; file 5 X3, file name: X3 **Picture 5**; file 6 to 12 are not setted. With all files, user can open to current use, cover save, change name.



2. Press <MENU> to enter into menu, press <+> or <-> to choose **【NAME】 Picture 6**

3. How to open specified file number to current using configuration(open to current use) operate steps:

a. put up <left ear>, the number shown in display is the internal file's file nmber **Picture 7**

b. Press <+> up to choose until to the specified file number. **Picture 8**

C. Press <-> down to choose until to the specified file number

d. Press <MENU> to choose the operation needed.

    Press <+> or <-> move to until showing flash "OP" character(means open this file) **Picture 9**. Again press <MENU>, finsh opeing operation and return to menu.

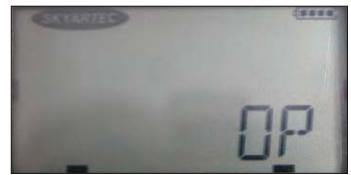
e. Press <EXIT> to cancel and exit



put up <left ear> Picture7



File 9 Picture 8



Open file Picture 9

4. How to save current configuration to specified file number(cover&save) operate steps:

- Put up <left ear>, the number shown in display is the internal file's file number [Picture 10](#)
- Press <+> up to choose until to the specified file number. [Picture 11](#)
- Press <-> down to choose until to the specified file number
- Press <MENU> to choose the operation needed.

Press <+> or <-> move to until showing flash "SA" character(means save to this file)[Picture 12](#).

Again press <MENU>, finsh opeing operation and return to menu.

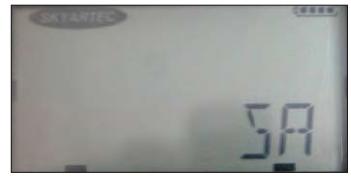
- Press <EXIT> to cancel and exit



put up <left ear> Picture 10



File 10 Picture11



Save file Picture12

5. How to appoint file number's file name( change name) operate steps:

- Put up <left ear>, the number shown in display is the internal file's file number. [Picture13](#)
- Press <+> up to choose until to the specified file number. Now the displayed model icon is the recorded preview model [Picture14](#)
- Press <-> down to choose until to the specified file number. Now the displayed model icon is the recorded preview model.
- After choosing the file number needed, put down<left ear>[Picture 15](#), now the number shown in display is the internal file's file nmber(just show 2 characters)
- after showing file name, press<+> or <-> to change file name , Stir down <right ear> one time can move fouces to next character.
- Press <MENU> again, enter intor the operation:  
Press <+> or <-> move to until showing flash "SA" character(means save to this file)[Picture 16](#).  
Again press <MENU>, finsh opeing operation and return to menu.
- Press <EXIT> to cancel and exit



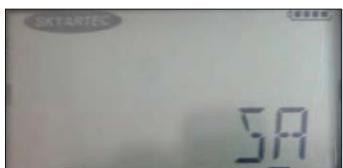
Put up <left ear> Picture 13



File 11 Picture 14



put down<left ear> Picture 15



Save file Picture 16

## The sensitivity of gyro 【GAIN】

1. Gyro sensitivity. set normal and stunt sensitivity. The function just valid to the model have gyro system: Note: T
2. Press desktop(MENU), enter the menu. Press(+)or (-), choose(GAIN)and thenPress(MENU) [Picture17](#)
3. Normal sensitivity adjust : Operate Step:
  - a. Turn(IDEL)switch to up position, display (NOR)MARK (Means normal sensitivity) [Picture18](#)
  - a. Press(+), adjust the normal sensitivity up
  - b. Press(-), adjust the normal sensitivity down
  - c. Press(EXIT) to quit
4. stunt sensitivity adjustment, Operate step
  - a. Turn the(IDEL) switch down, display(IDEL)MARK, (Mean Stunt sensitivity) [Picture19](#)
  - a. Press(+), adjust the stunt sensitivity up
  - b. Press(-), adjust the stunt sensitivity down
  - c. Press(EXIT) to quit



Gyro sensitivity interface  
[Picture17](#)



Turn(IDEL)switch to up position  
[Picture18](#)



Turn the(IDEL) switch down  
[Picture19](#)

## Movement ratio 【D/R】

1. This page used to adjust model direction of the servo movement ratio
2. Press (MENU)from desktop, enter the MENU, press(+) or (-), choose (D/R), PRESS (MENU) enter this page. [Picture20](#)
3. Operate Step:
  - a. Press( MENU), choose the number of the direction should be adjust ( 1-aileron; 2-elevator; 4- Rudder)
  - b. Press (+), up to adjust the ratio
  - c. Press(-), down to adjust the ratio
  - d. Press(EXIT), save and exit.

4.



movement ratio [Picture20](#)



aileron ratio [Picture21](#)



elevator ratio [Picture22](#)



rudder ratio [Picture23](#)

## Index curve 【EXP】

1. This page used to adjustthe idex curve of the model control direction. Show that the sensitivity of the middle stick

2. Press (MENU) into it, press(+) or (-) , choose (EXP),after that enter this page. [Picture 24](#)

3. Operate Step:

- Press(MENU), choose the number of the direction should be adjust ( 1-aileron; 2-elevator; 4- Rudder)
- Press (+), up to adjust the ratio
- Press(-), down to adjust the ratio
- Press(EXIT), save and exit

4.



Index curve [Picture24](#)



Aileron ration [Picture25](#)



Elevator ratio [Picture26](#)



Rudder ratio [Picture27](#)

## Throttle curve 【TH】

1. This page used to adjust the normal throttle curve and stunt throttle curve. Note: Stunt throttle curve just apply to the helicopter

2. Press(MENU) into it, press(+) or (-), choose (TH), press (MENU) into this page. [Picture28](#)

3. Normal throttle adjustment Operate step:

- Turn the switch (IDEL) up, display (NOR), Mark ( mean normal TH curve)[Picture29](#)
- Press(MENU), choose the point location should be adjust ( contain 5 point cure)
- Press(+), turn the numerical point location up
- Press(-), turn the numerical point location down
- Press(EXIT), quit and save

4. Stunt throttle adjustment Operate step:

- Turn the switch (IDEL) down, display (IDEL), Mark ( mean Stunt TH curve)[Picture30](#)
- Press(MENU), choose the point location should be adjust ( contain 5 point cure)
- Press(+), turn the numerical point location up
- Press(-), turn the numerical point location down
- Press(EXIT), quit and save



Throttle curve [Picture28](#)



Turn the switch (IDEL) up  
[Picture29](#)

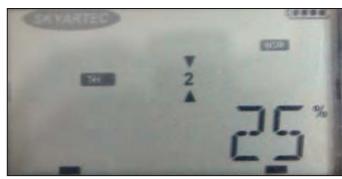


Turn the switch (IDEL) down  
[Picture30](#)

## 5. Normal throttle curve



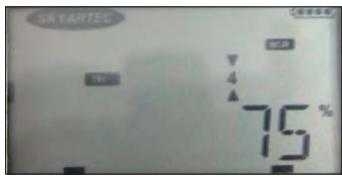
throttle curve,first point  
Picture31



throttle curve,second point  
Picture32



throttle curve,third point  
Picture33



throttle curve,forth point  
Picture34

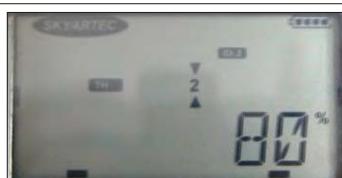


throttle curve,fifth point  
Picture35

## Stunt throttle curve :



throttle curve,first point  
Picture36



throttle curve,second point  
Picture37



throttle curve,third point  
Picture38



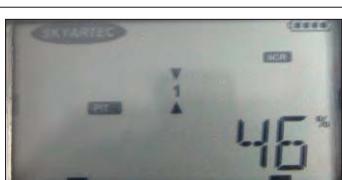
throttle curve,forth point  
Picture39



throttle curve,fifth point  
Picture40

## Pitch curve 【PIT】

1. This page used to adjust the normal pitch curve and stunt pitch curve. Note: The pitch curve only works with helicopter.
2. Press ( MENU) into it, press(+) or (-), choose(PIT), and then press (MENU) to this page. [Picture41](#)
3. Normal pitch curve adjust Operate step:
  - a. Turn the switch(IDEL) up, display (NOR), MARK( means normal pitch curve). [Picture42](#)
  - b. Press(MENU), choose the point location should be adjust ( contain 5 point cure)
  - c. Press(+), turn the numerical point location up
  - d. Press(-), turn the numerical point location down
  - e. Press(EXIT), quit and save
4. Stunt pitch curve adjust Operate step:
  - a. Turn the switch(IDEL) down, display (NOR), MARK( means stunt pitch curve). [Picture43](#)
  - b. Press(MENU), choose the point location should be adjust ( contain 5 point cure)
  - c. Press(+), turn the numerical point location up
  - d. Press(-), turn the numerical point location down
  - e. Press(EXIT), quit and save



Pitch curve [Picture41](#)



Turn the switch(IDEL) up  
[Picture42](#)



Turn the switch(IDEL) down  
[Picture43](#)

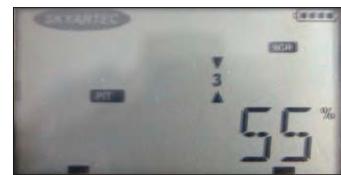
## 5. Normal pitch



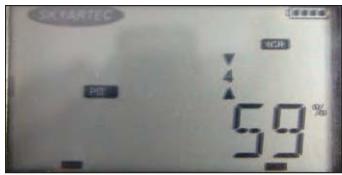
Pitch curve,first point  
Picture44



Pitch curve,second point  
Picture45



pitch curve,third point  
Picture46



Pitch curve,forth point  
Picture47

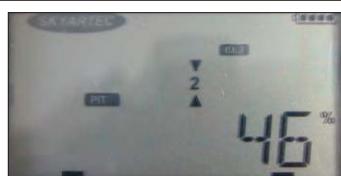


throttle curve,fifth point  
Picture48

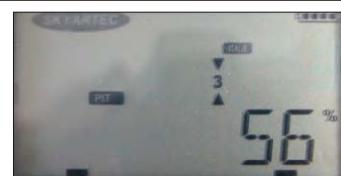
## Stunt pitch



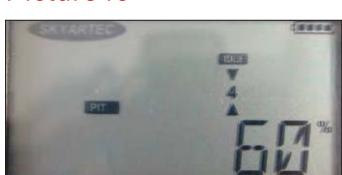
Pitch curve,first point  
Picture49



Pitch curve,second point  
Picture50



pitch curve,third point  
Picture51



Pitch curve,forth point  
Picture52

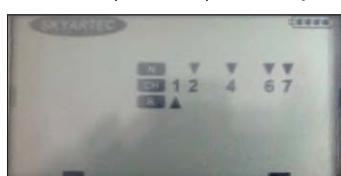


throttle curve,fifth point  
Picture53

## Channel reverse swithover 【REV】

1. This page used to change single servo's movement direction.

2. Press(MENU)into it, press(+)or(-), choose(REV),and then press(MENU)into this page. [Picture54](#)



[Picture54](#) Channel reverse swithover

3. Operate Step:

- Press(MENU), choose the channel number should be adjusted.
- Press(+)or (-), choose the channel reversely.
- Press EXIT, quit and save.

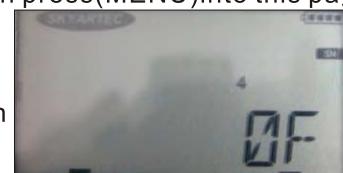
## Check series number 【SN】

1. This page used to check only series number

2. Press(MENU)into it, press(+)or(-), choose(SN),and then press(MENU)into this page. [Picture55](#)

3. Operate Step:

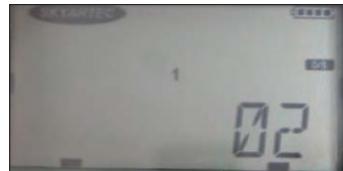
- Press(+), display two bit byte on the right
- Press(-), display two bit byte on the left
- Put down the (left ear), in this way the character can
- Press EXIT to quit



[Picture55](#)  
Series number

## Firmware 【D/S】

1. This page used to check the firmware
2. Press(MENU) into it, press(+)or(-), choose (D/S), Press (MENU)to this page. **Picture56**
3. Operate Step:
  - a. Press(+), display two bit byte on the right
  - b. Press(-), display two bit byte on the left
  - c. Put down the (left ear), in this way the character can auto rolling.
  - d. Press EXIT to quit



**Picture56**  
firmware interface

## Produce date 【DAT】

1. This page used to check the produce date
2. Press(MENU) into it, press(+)or(-), choose (DAT), Press (MENU)to this page 80JPG(produce date interface) **Picture 57**
3. Operate Step:
  - a. Press(+), display two bit byte on the right
  - b. Press(-), display two bit byte on the left
  - c. Put down the (left ear), in this way the character can auto rolling.
  - D. Press EXIT to quit



**Picture57**  
produce date interface

## 【STICK MODE】

1. This page used to change the stick mode (MODE1,MODEL2,MODE3,MODE4), You need change the transmitter mechanical if you would like to change the stick mode, be sure that clear know what you are doing .
2. Press(MENU)then boot. **Picture58** press(MENU)from desktop to enter, press(+)or(-),choose (STICK MODE), Press(MENU)into this page **Picture59**
3. Operate step:
  - a. Press(+) key, to turn upward stick mode
  - b. Press(-) key, to turn down stick mode
  - c. Press EXIT Key, save and quit.



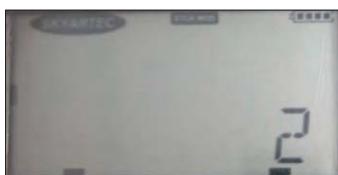
BOOT **Picture58**



Stick mode interface  
**Picture59**



MODE1 **Picture60**



MODE2 **Picture61**

## 【STD】

1. This page used to set teaching function.(Advanced)  
Teaching function including 3 teaching mode:(STD)show standard mode,to suit regular use. In the condition trainer, trainee, should start student transmitter and pair with the receiver, after that start trainer transmitter. The transmitter of the trainer use (left ear) upward, the student transmitter control the receiver). Use teaching function, caused pair, control different with the standard mode, pleasure be make sure that you clear know what you are doing before set teaching function.

2. Press(MENU)boot, enter the(MENU)from desktop key, press(+)or (-),choose (STD),Press(MENU) enter this page [Picture62](#)

3. Operate Step:

a. Press(menu)key,move the focal point to adjust which item should be adjusted.[Picture62](#)

Show twinkle (STD), mean choose the standard mode

Show twinkle(MAS), mean choose train mode

Show twinkle(SLV),mean choose student mode

b. When show (MAS) during twinkle, you can input the series number of the student plane, be used match with the student plane.

Number column show 1, press (+) or (- ), input the first series number. [Picture63](#)

Number column show 2, press (+) or (- ), input the second series number. [Picture64](#)

Number column show 3, press (+) or (- ), input the third series number. [Picture65](#)

Number column show 4, press (+) or (- ), input the forth series number. [Picture66](#)

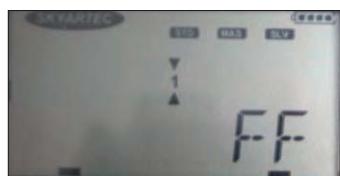
Number column show 5, the figure show "AT ", means would auto match with student plane when boot.

[Picture67](#)

c. Press EXIT, save and quit



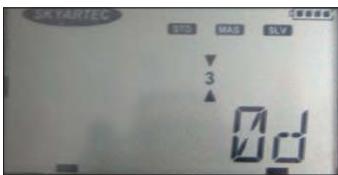
Teaching fuction [Picture62](#)  
Three kinds modes



Revised the first series number [Picture63](#)



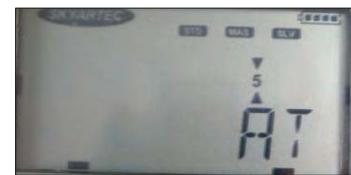
Revised the second series number [Picture64](#)



Revised the third series number [Picture65](#)



Revised the forth series number [Picture66](#)



Auto match [Picture67](#)

## Factory settings 【RFS】

1. This page used to recovery the transmitter factory settings. After recovery to factory settings, the adjusted materials will be disappeared, please be careful !

2. Press(+)and (-)at the same time, then boot [Picture68](#), press(MENU)from the interface, enter the menu, choose(RFS), Press(MENU)into this page [Picture69](#)

3. Operate step:

a. Press(MENU), to excute factory settings, after finish it auto start.

b. Press EXIT, quit.



BOOT [Picture68](#)



Factory settings interface [Picture69](#)



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