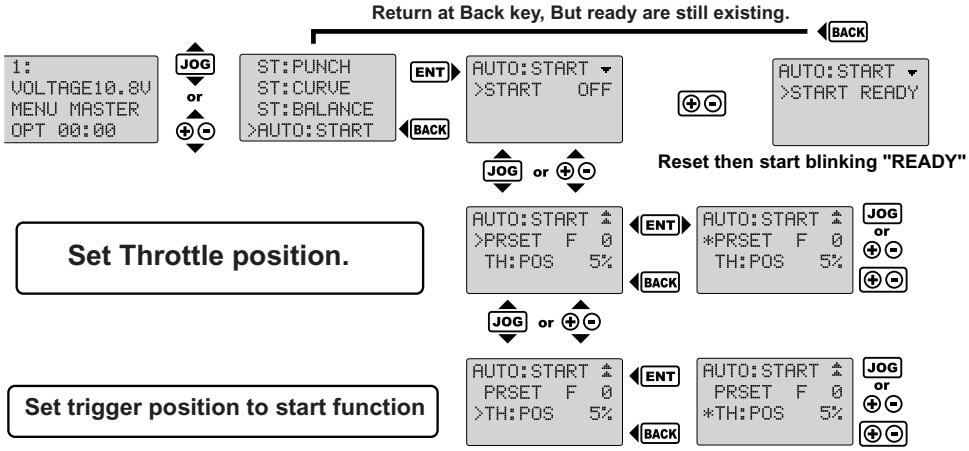
AUTO START

[How to open the set-up screen.]



1 Pull the trigger to turn on the TH:POS function

2 When back the trigger display OFF.

1. From initial screen. use "Jog dial" key or "+,-" keys. to open Function menu.
2. Use "Jog dial" key or "+,-" keys. to choose the "AUTO:START" from Menu list.
3. When reset at first screen. AUTO START function will be waiting mode
   Use Jog dial or + ,- keys to move at setup screen
   (Can not move to setup screen While blinking the "READY")
4. Push enter key to change the cursor. to editable each item.
   Setup value can reset by push reset key.
5. Push Enter or Back key to return to Menu list.

●PRESET : Position of throttle when function the AUTO START
Initial Value F 0 Max F150 Min F 0
●TH:POS : Position to start AUTO START
Initial Value 5% Max 100% Min 5% or OFF

When came back during on and off light, it is still effective

advice

●Please check the movement before use.

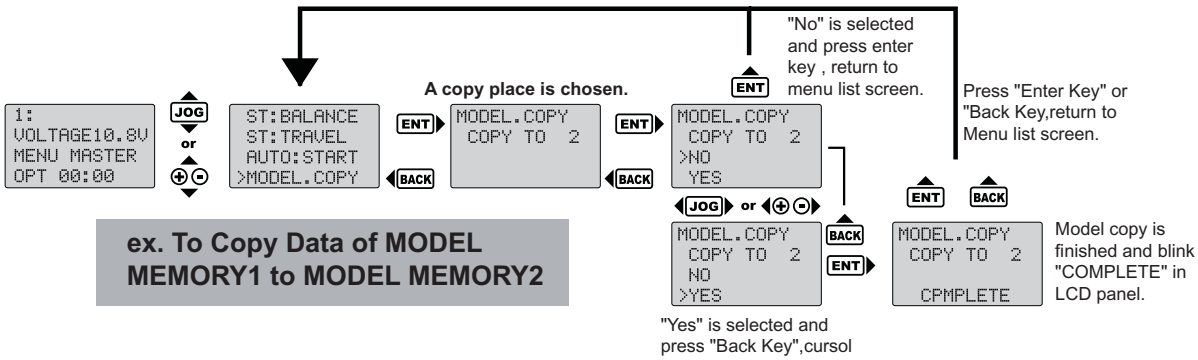
DRAFT

Back Key
Enter Key
JogDial
+/- Key
Reset

Copy the data in Model memory to other Model memory.

Save the current Model memory to other Model memory.
Can select setup that match to the condition of track
It will better to be copied to other memory before changing setting.

[How to open the set-up screen.]



ex. To Copy Data of MODEL MEMORY1 to MODEL MEMORY2

1. From initial screen. use "Jog dial" key or "+,-" keys. to open Function menu.
2. Use "Jog dial" key or "+,-" keys. to choose the "MODEL.COPY" from Menu list.
3. Push "Enter" key. to enter setup menu. use "Jog dial" key or "+,-" keys. to Select Model Memory number.
4. Use "Jog dial" key or "+,-" keys. then push "Enter" key
   When Select YES then push "ENTER" key: Do MODEL COPY then display "COMPLETE"
   When Select NO then push "ENTER" key: Back to Menu list
   When Select YES then push "BACK" key: Cursor will mmove to NO
   When Select NO then push "BACK" key: Beep sound
5. Push "ENTER" key or "BACK" key to Return to Menu list, If Model Copy was done and "COMPLETE" displayed at screen

It is useful When used in the following situation.

- Save the Current data and then try the New setup.
- Move the data from Data Pack
- Can swap the other data to the memory
  - ∗ Can copy the Data. but the setup data can not copy to the unit

Overwritten data aren't restored. Please confirm it before execution well.

DRAFT

MODEL.NAME(Model Name)

Put name at Model memory

Put the name for Identified model memory

[How to open the set-up screen.]

1. From initial screen. use "Jog dial" key or "+,-" keys. to open Function menu.
2. Use "Jog dial" key or "+,-" keys. to choose the "MODEL.NAME" from Menu list.
3. Push "Enter" key. to enter setup menu. use "Jog dial" key or "+,-" keys. to adjust the value.
4. The letter which can input till 10 characters.
   Push enter after select.

●An usable letter:

& ' ( ) * + , - . / 0 1 2 3 4 5 6 7 8 9 : ; < = > ?
ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz ･
ｦｧｨｩｪｫｬｭｮｱｲｳｴｵｶｷｸｹｺｻｼｽｾｿﾀﾁﾂﾃﾄﾅﾆﾇﾈﾉﾊﾋﾌﾍﾎ
ﾏﾐﾑﾒﾓﾔﾕﾖﾗﾘﾙﾚﾛﾜﾝﾞ ﾟ (Space)

●When enter or edit the name. use Jog dial or +, - key to move the cursor to edit or enter the characters.

●Can use at initial screen and model select that model name.

DRAFT

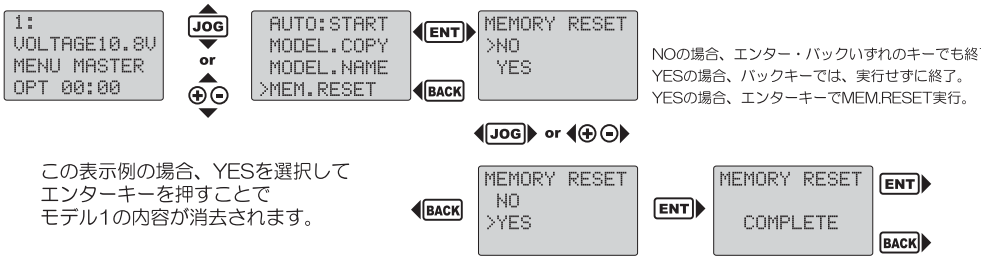
MEM.RESET(Memory reset)

Back Key
Enter Key
JogDial
+/- Key
Reset

Format to factory setting the model memory.

Model memory will Back to factory setting.
Format all data of model memory.

[How to open the set-up screen.]



1. From initial screen. use "Jog dial" key or "+,-" keys. to open Function menu.
2. Use "Jog dial" key or "+,-" keys. to choose the "MEM.REST" from Menu list.
3. Push "Enter" key. to enter setup menu. use "Jog dial" key or "+,-" keys. to choose Yes/No.
4. Back to menu list When push back key.
   "Yes" is selected and press "Enter Key",delete model memory.

●Only model memory in use is erased.
●Setting of a main menu isn't deleted.

Erased data aren't restored. Please confirm it before execution well.

advice

●**Use data pack to save the setup.**

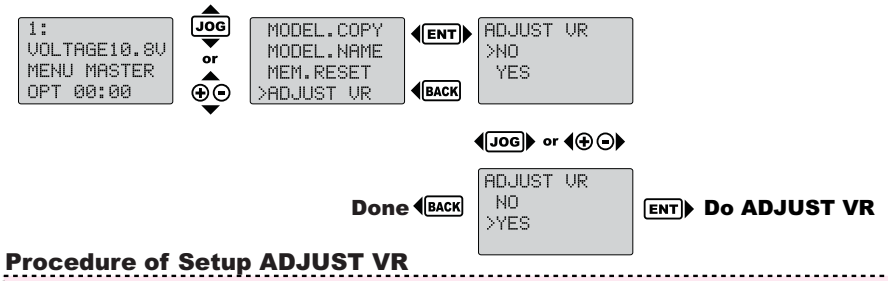
DRAFT

ADJUST VR(Adjust variable resister)

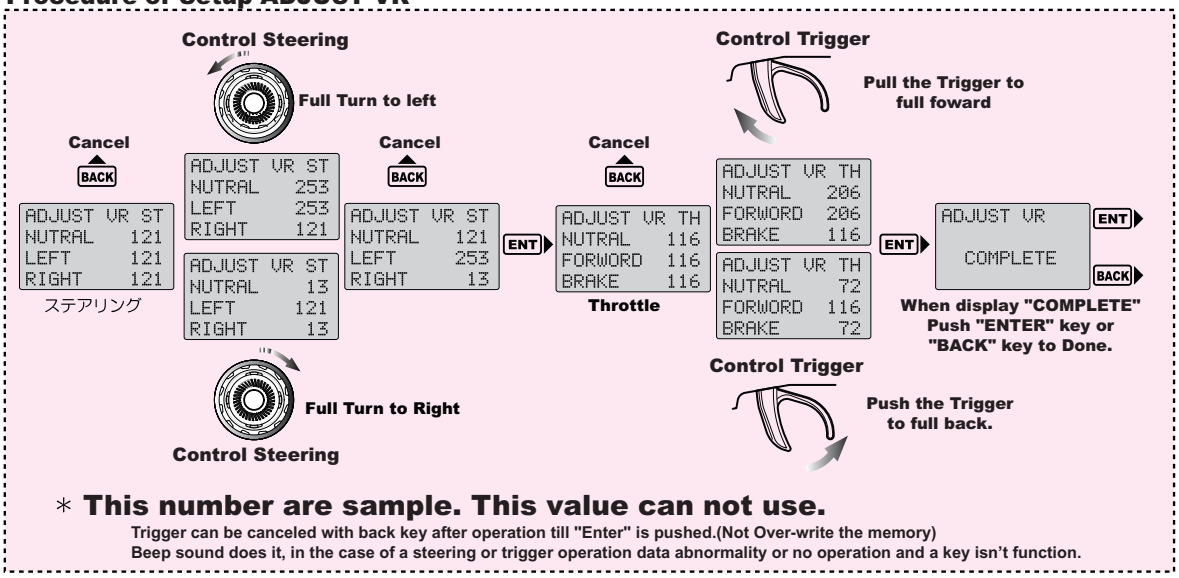
Back Key
Enter Key
JogDial
+/- Key
Reset

Update information in a system of the VR that consumed.

[How to open setup screen]



Procedure of Setup ADJUST VR



＊ **This number are sample. This value can not use.**

Trigger can be canceled with back key after operation till "Enter" is pushed.(Not Over-write the memory)
Beep sound does it, in the case of a steering or trigger operation data abnormality or no operation and a key isn't function.

1. From initial screen. use "Jog dial" key or "+,-" keys. to open Function menu.
2. Use "Jog dial" key or "+,-" keys. to choose the "ADJUST VR" from Menu list.
3. Move to yes/no to control "Jog dial" key or "+,-" keys.
4. Push Back key to return to Menu list.
   Select No: Return to Menu list
   Select Yes: Do Adjust VR.

- When push "ENTER". not to touch Steering wheel or throttle trigger during execution of "ADJUST VR".
- This Function for Cancellation of inconvenience of Consumption of the volume.
- It is depend on your Use frequency and An operation method.
- When Even this function can not fix the problems, please send to our service department to repair.

advice

- Cause of trouble When use this function imperfectly.
- Recommend to send to our service department for repair, when you are not familiar with this function.

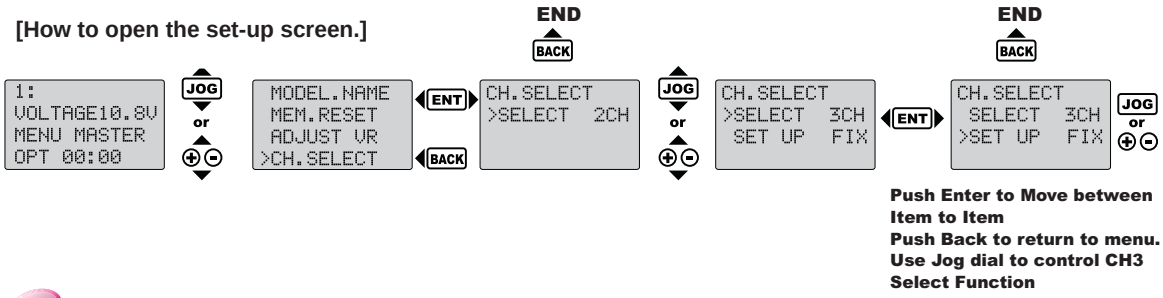
DRAFT

CH.SELECT(Channel Select)

Back Key
Enter Key
JogDial
+/- Key
Reset

Select 2 Channel or 3 channel.Also select the switch at back of module
When the switch are in High response mode
2channel : Advanced High Speed Response
3channel : Super High Speed Response

[How to open the set-up screen.]



Push Enter to Move between Item to Item
Push Back to return to menu.
Use Jog dial to control CH3 Select Function

1. From initial screen, open the function menu. use "Jog dial" or "+, -" key.
2. At menu list, Move the cursor to the CH.SELECT. use "Jog dial" or "+, -" key. then push Enter.
3. To control Jog dial to select 2or 3 channel.
   When select 3 channel. the "setup" will display at lower part of screen. then can select the control function for 3rd channel
4. Push Back key to return to menu list.

When setting of 3CH are in "FIX":Signal in itself is fired, but can't control a signal because it was fixed
When assign to BT or ET. can function as switch movement.
or can assign reverse switch to change movement directions

●The movement of channel 3 is adjust max and min of rudder angle (switch-movement)

●About Response mode: This unit can select from 3 kind of response mode

- **Normal Response**
- **High Response**
  - **Super High Speed Response**
  - **Advanced High Speed Response**

Normal Response

This mode can use all type of servo and receiver.

Super High Speed Response

This mode is adopted in MARS-R. Old receiver and Servo can't be used at this mode. but the response are improved.

Advanced High Speed Response

This mode can show the original speed. Digital servo is required for this mode.

advice

●Please see page 19 about details of response mode.

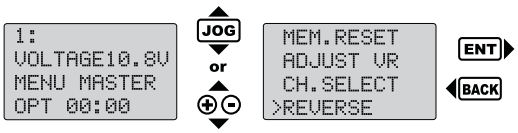
DRAFT

REVERSE (Reverse Switch)

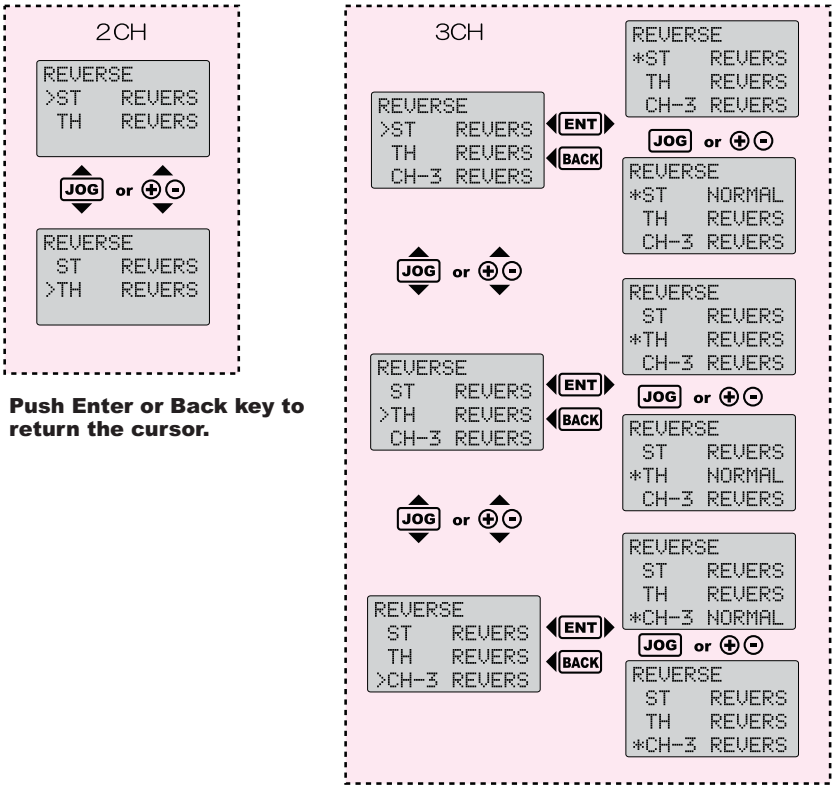
Set the direction of movement of each channel.

Can Set the direction of movement of each channel.
Use this function when the turing direction of servo is opposite to the wheel/trigger operation.

[How to open the set-up screen.]



Can change selected Channel



Push Enter or Back key to return the cursor.

1 **From initial screen. use "Jog dial" key or "+,-" keys. to open Function menu.**

2 **Use "Jog dial" key or "+,-" keys. to choose the "REVERSE" from Menu list.**

3 **Push "Enter" key. to enter setup menu. use "Jog dial" key or "+,-" keys. to adjust the value.**
∗ The menu for 3ch will display, when selected the CH.SELECT. (page 57)

4 **Push back key to back to menu list.**

●In an Electric car an ESC will adjust Throttle. When reverse isn't set up, it's not work normally at old ESC.
●A movement direction of steering are depend on each cars. Check the setup after mount to the car.

DRAFT

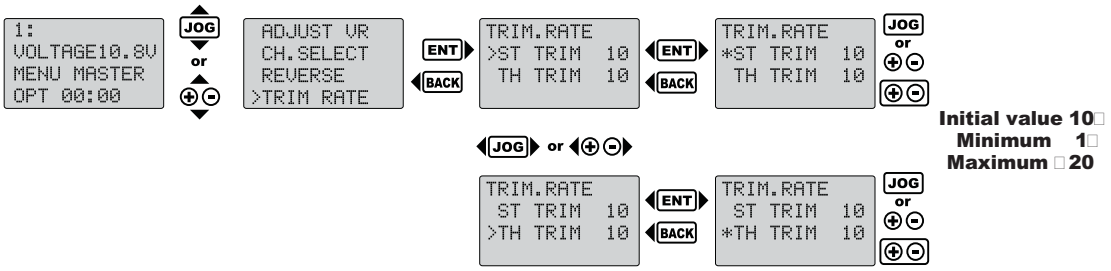
TRIM RATE (Trim Rate)

Back Key
Enter Key
JogDial
+/- Key
Reset

Adjust Movement volume of the one step of Trim.

Total step of Trim are 100, adjust Movement volume of the one step of Trim.

[How to open the set-up screen.]



Initial value 10
Minimum 1
Maximum 20

1. From initial screen. use "Jog dial" key or "+,-" keys. to open Function menu.
2. Use "Jog dial" key or "+,-" keys. to choose the "TRIM.RATE" from Menu list.
3. Push "Enter" key. to enter setup menu. use "Jog dial" key or "+,-" keys. to adjust the value.
4. Press "EnterKey or "Back Key",change cursol ✻ to ⟩.And press "Back Key ",retuen to function menu list screen.

●1 step of trim Be variable. Movement volume comes to have a small the one where a number is small

●The number of total step doesn't change. When change trim rate, The range that can adjust will change.

●Is cause to out of setting the trim when make a change with the situation that was already adjusted

advice

●Can do close adjustment when make a rate to trim small. but some of servo An enough effect isn't provided
●Please do a review of linkage, Before doing particular setting of trim.

DRAFT

Assign the function to ET, BT

Can assign to ET or to BT Various functions.
Some of function assign at first. but they can change it to customize.

[How to open the set-up screen.]

```
1:
VOLTAGE10.8V
MENU MASTER
OPT 00:00
```

JOG or +/-

```
CH.SELECT
REVERSE
TRIM RATE
>SET UP
```

ENT ▶ **Do set up**
◀ BACK

```
SET UP
>ET1-ST TRIM
 ET2-TH TRIM
 ET3-BRAKE
```

ENT ▶ / ◀ BACK

```
SET UP
 ET1-ST TRIM
```

◀ JOG ▶ or ◀ + - ▶ **Select Item**

◀ JOG ▶ or ◀ + - ▶ **Select item with cursor to assign the function.**

```
SET UP
 ET1-ST TRIM
>ET2-TH TRIM
 ET3-BRAKE
```

```
SET UP
 ET1-ST TRIM
 ET2-TH TRIM
>ET3-BRAKE
```

```
SET UP
>ET4-TRAVEL
 ET5-OFF
```

```
SET UP
 ET4-TRAVEL
>ET5-OFF
```

```
SET UP
>BT1-OFF
 BT2-OFF
```

```
SET UP
 BT1-OFF
>BT2-OFF
```

◀ JOG ▶ or ◀ + - ▶

```
SET UP
 ET1-TRAVEL

 ET4-TRAVEL
```

If the function are already used, Function name will blink then the Redundancy function name will display at screen below

Indication contents of each function.

OFF:	None
ST TRIM:	Steering Trim
SUB TRIM:	Steering Sub Trim
TRAVEL:	Steering Travel
BRAKE:	Trottle Brake
TH.SP-L:	Throttle Speed (Low Speed)
TH.SP-M:	Throttle Speed (Medium Speed)
TH.SP-H:	Throttle Speed (High speed)
ABS.W:	ABS (Width)
ABS.P:	ABS (Position)
ABS.C:	ABS (Cycle)
ACCEL.W:	Throttle acceleration (Width)
ACCEL.C:	Throttle acceleration (Cycle)
TH TRIM:	Throttle Trim
TH SPEED:	Throttle Speed On/Off
ABS:	ABS On/Off
ACCEL:	Throttle acceleration On/Off
UPTIM:	Up Timer
LAPTIM:	Lap Timer
DOWNTIM:	Down Timer
PRESET:	Preset the Throttle
CH3:	3 channels control

Function name that can assign to each ET and BT.

ET1-ST TRIM	ET2-TH TRIM	ET3-BRAKE	ET4-TRAVEL	ET5-OFF	BT1-OFF	BT2-OFF
SUB TRIM	OFF	TH.SP-L	BRAKE	ST TRIM	CH3	CH3
TRAVEL	TRAVEL	TH.SP-M	TH.SP-L	TH TRIM	PRESET	PRESET
BRAKE	BRAKE	TH.SP-H	TH.SP-M	SUB TRIM	DOWNTIM	DOWNTIM
TH.SP-L	TH.SP-L	ABS.W	TH.SP-H	TRAVEL	LAPTIM	LAPTIM
TH.SP-M	TH.SP-M	ABS.P	ABS.W	BRAKE	UPTIM	UPTIM
TH.SP-H	TH.SP-H	ABS.C	ABS.P	TH.SP-L	ACCEL	ACCEL
ABS.W	ABS.W	ACCEL.W	ABS.C	TH.SP-M	ABS	ABS
ABS.P	ABS.P	ACCEL.C	ACCEL.W	TH.SP-H	THSPEED	THSPEED
ABS.C	ABS.C	TH TRIM	ACCEL.C	ABS.W		
ACCEL.W	ACCEL.W	OFF	THSPEED	ABS.P		
ACCEL.C	ACCEL.C	TRAVEL	ABS	ABS.C		
OFF			ACCEL	ACCEL.W		
			UPTIM	ACCEL.C		
			LAPTIM	THSPEED		
			DOWNTIM	ABS		
			PRESET	ACCEL		
			CH3	UPTIM		
			OFF	LAPTIM		
			ST TRIM	DOWNTIM		
			TH TRIM	PRESET		
			SUB TRIM	CH3		

*Function of 3 channel will appear if select at CH.SELECT the 3CH.

*OFF means not function.

1. From initial screen open function menu by Jog dial or +, - keys.
2. From menu list select SETUP then push Enter key.
3. Select ET or BT to assign the function by Jog dial or +, - keys.
4. Use Jog dial or +, - key to set function name. if it is alredy assign.
5. Push back key: cancel the setup and return to Setup menu.
   Push Enter key: accept changees of setup and return toSetup menu.

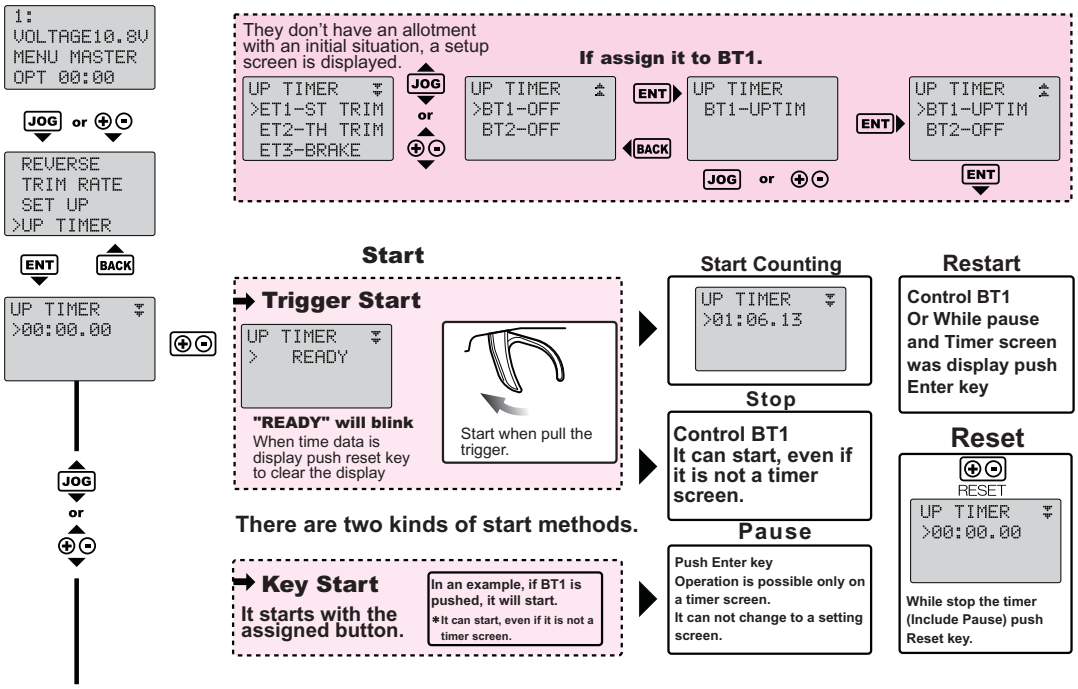
DRAFT

Back Key
Enter Key
JogDial
+/- Key
Reset

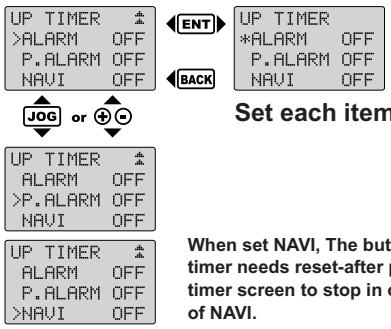
Setup UP timer to use.

"UP TIMER" is Simple Timer that add the time. but Can set LAP navigation function also.

[How to open the setup menu]



Can set While timer is stop
(Can not setup while pausing).



Set each item

ALARM
Alarm is sounded after counting setting time.(Alarm tone can set (See page 29))
Initial Value Off Min.Value 1 min Max.Value 99 min

P.ALARM
Can set Pre Alarm before the Alarm
Initial Value OFF Min.Value 1 sec Max.Value 30 sec

NAVI
Set LAP Navigation
Initial Value OFF Min.Value 3.00 sec Max.Value 99.99 sec

When set NAVI, The button assigned to the rise timer needs reset-after pause operation on a timer screen to stop in order to function as reset of NAVI.

1. Open the function menu. use Jog dial or "+, -" keys.
2. From menu list, use Jog dial or "+, -" keys, and select the UP TIMER.
3. If not ET or BT assign it to lap timer, Setup will be displayed.
4. Enter or Back key the cursor will back then push the back key to return at menu

*Lap navigation function can set the target lap time.
Can start with a button the same as "UP TIMER"

DRAFT

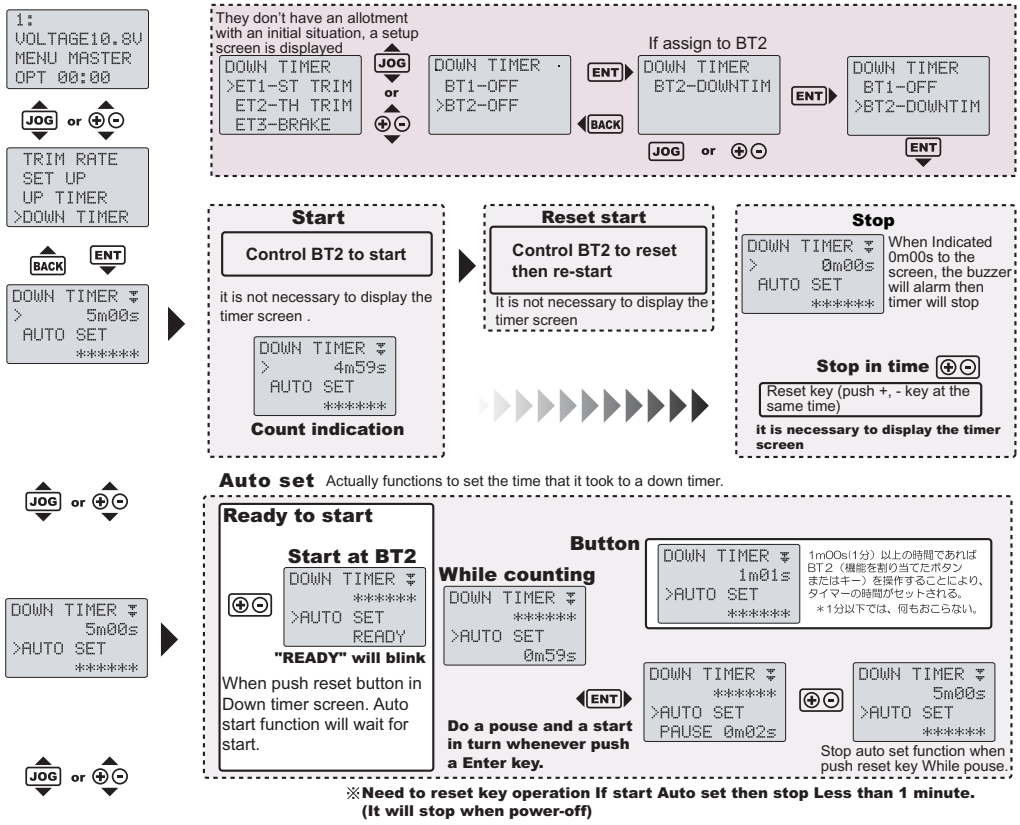
DOWN TIMER

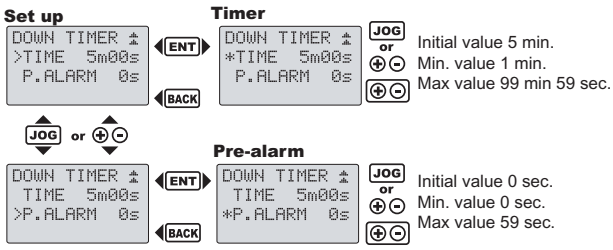
Set Down timer

It is a timer subtracted from time set up.

Use When a timing of fuel refueling of an engine car is measured.

[How to open the set-up screen.]





1. **Open the function menu. use Jog dial or "+, -" keys.**
2. **From menu list, use Jog dial or "+, -" keys, and select the DOWN TIMER.**
3. **If not ET or BT assign it to lap timer, Setup will be displayed.**
4. **Subtracted from time set up on Down Timer.**

●Use Auto set, then Run the car till empty the fuel. When set pre alarm, can usable as a refueling timer

●Need to assign any button to use this function.

●Can assign the custom tone at alarm of Down timer function.(see page 29)

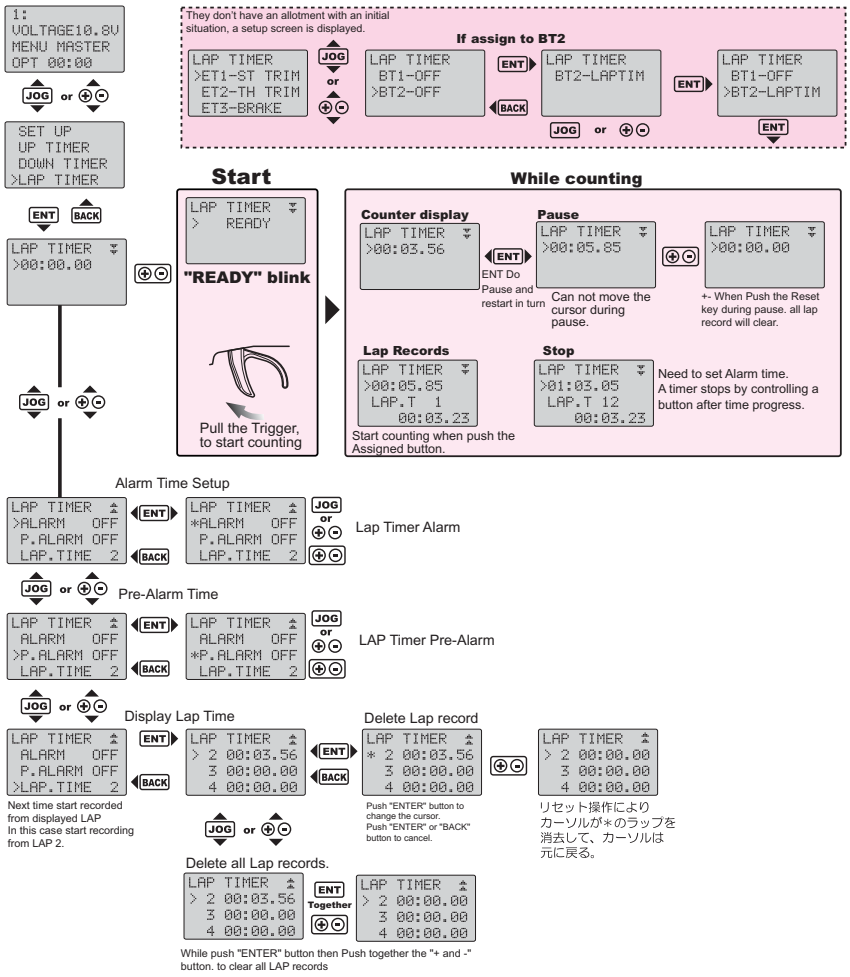
DRAFT

Back Key
Enter Key
JogDial
+/- Key
Reset

Can count the every lap by using Lap timer.

Set the Lap timer function and measurement point to record the lap.
unestablished any key at an initial situation.

[How to open the set-up screen.]



1. **Open the function menu. use Jog dial or "+, -" keys.**
2. **From menu list, use Jog dial or "+, -" keys, and select the LAP TIMER.**
3. **If not ET and BT assign it to lap timer, Setup will be displayed.**
4. **Can record till 80 laps. after 80 laps over-write to 81st lap the 1st lap.**

advice

- The lap time record at Lap timer will save at same place. but the set up is Independent at each memory.
- Can use custom tone at alarm. (see page 29 and page 30)
- Can use 3 kind of timer at same times. (UP Timer, Down Timer, Lap Timer)

DRAFT

Connecting the Receiver

Warning! Be certain to use only KO Propo genuine FM crystal sets(transmitter and receiver). Never use crystals produced by other companies since such crystals may vary in frequency, which could lead to misoperation or out of control.

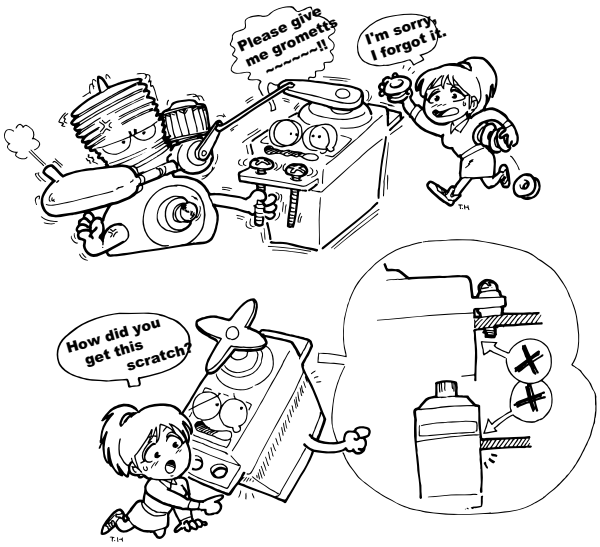
Warning! Be sure to connect all equipment correctly. If connections are loosened by vibration,the model may run out of control.

Warning! Do not cut or bundle the aerial wire with other cords. It may result in decreasing the sensitivity of the receiver and may result in the model running out of control.

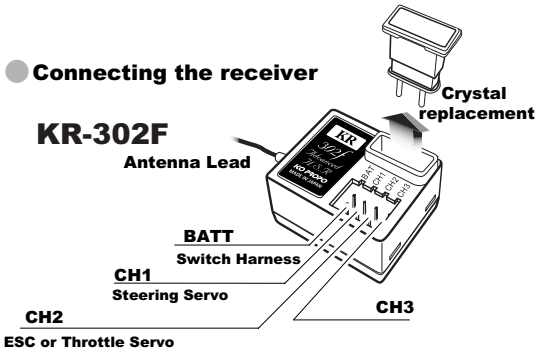
Caution! Be careful not to reverse the polarity of the transmitter and the receiver. Reverse polarity could damage the units.

Caution! Be sure to use genuine KO Propo products e.g. transmitter,receiver, ESC and other optional parts.
* We cannot assume any responsibility for the use of other companies products with this unit.

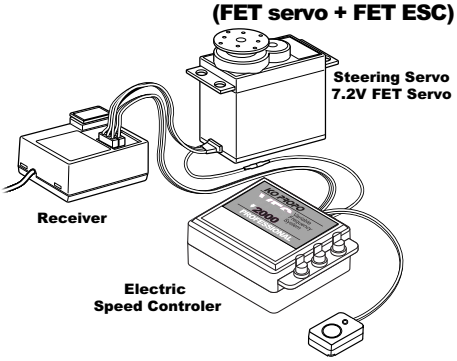
Warning! Be sure to use grommets and be sure that the servo is not touching any metal plates directly. * The vibrations may damage the servo and the model may run out of control.



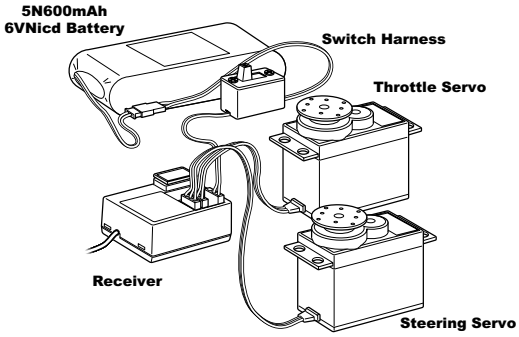
Connecting the receiver



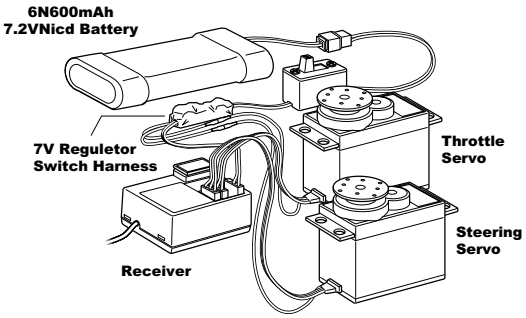
For an electric-powered car (FET servo + FET ESC)



For a gasoline-powered car (6V servos)

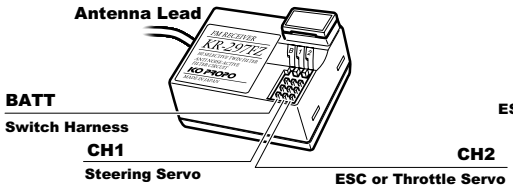


For a gasoline-powered car (7.2V FET Servos)

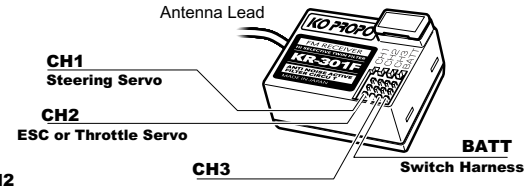


DRAFT

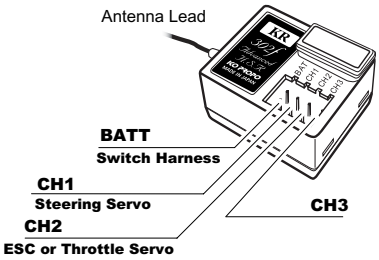
KR-297FZ



KR-301F



KR-302F



With models of receiver to be used, the order of a row of each channel and a battery channel changes. Please connect a connector after a check of a display. Keep in mind that it does not operate even if it connects Servo and ESC to a battery channel.

About frequency change

- When the frequency to be used is exchanged in a frequency band.

  The crystal of a transmitter and a receiver is exchanged for the thing of the frequency to be used.

- For changing the frequency band to be used.

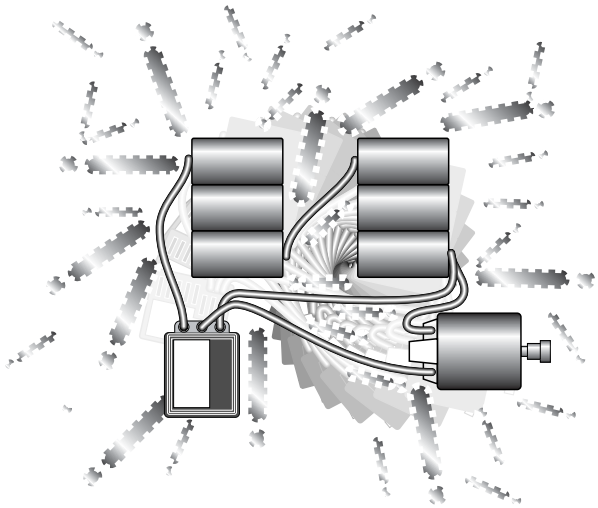
  Exchange of a frequency band is possible by exchanging RF module of use. An exchangeable frequency band is restricted to the frequency band permitted in each country which uses it.

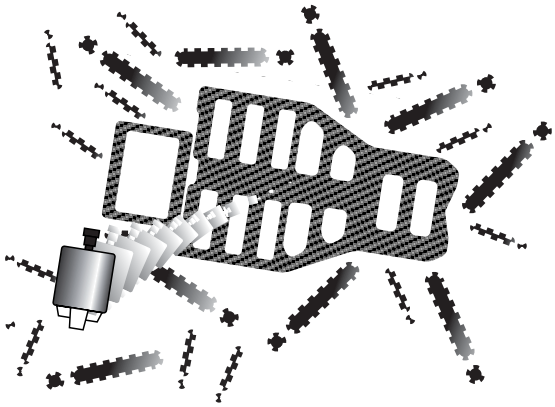
DRAFT

Notes on installing-1

● The Source of Noise and Electromagnetic Induction (Electric-powered car)

Assume that all areas where large currents are flowing are generating noise!
Locate antenna wires and receivers as far away from the motor, ESC, nicad batteries,and silicone wire as possible. Noise is a type of radio wave, and therefore is radiated (travel through the air) in the same fashion. Therefore, locating an antenna near a noise source increases the effect of the noise.

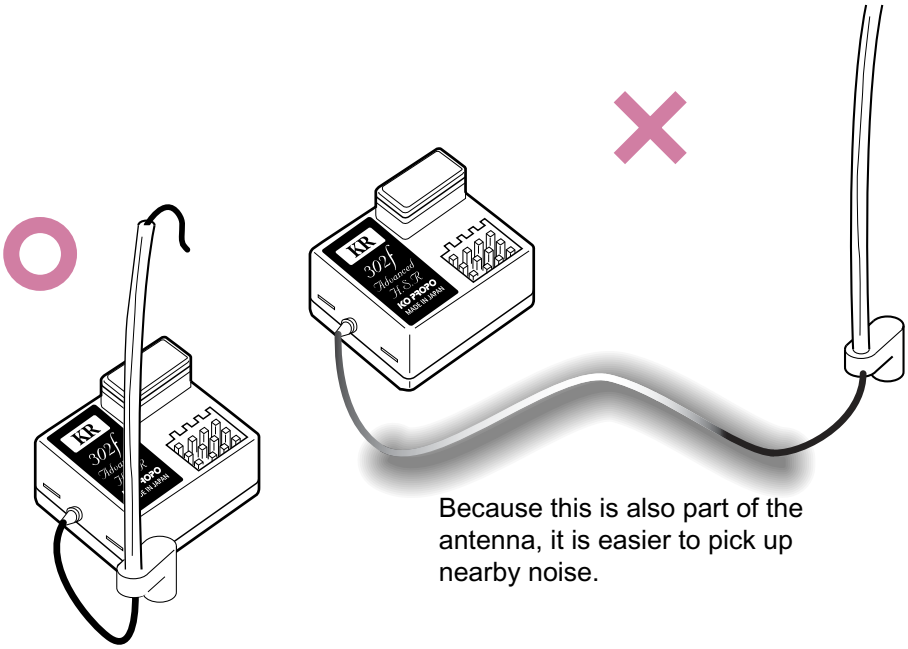




Metals and carbon can also conduct noise. As a result, you should never
closely attach the antenna wire to the plate and carbon chassis.

●Distance Between the Receiver and Antenna Holder

Install the antenna holder as near to the receiver as possible.
The easier it is for the antenna to pick up noise,the sensitivity of the receiver will decrease.



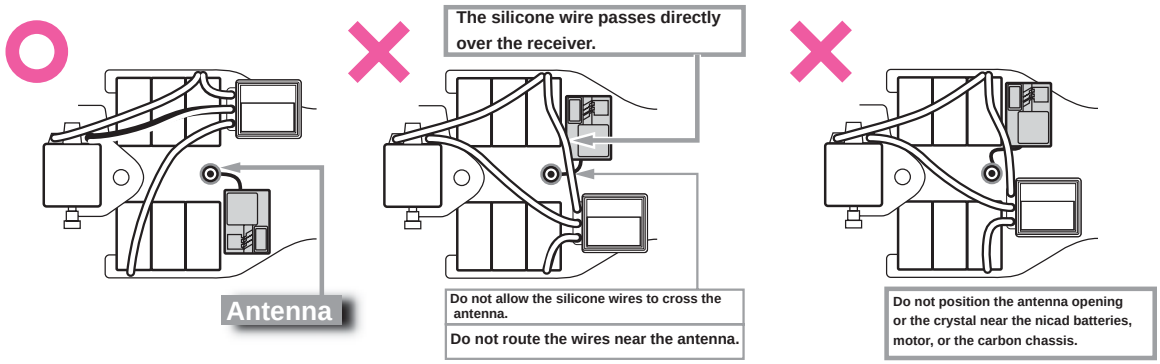
Because this is also part of the antenna, it is easier to pick up nearby noise.

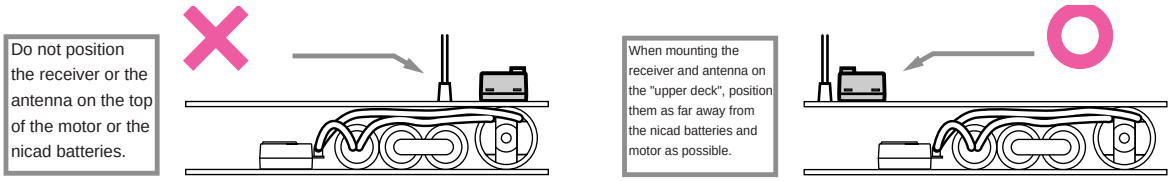
DRAFT

Notes on Installing the Receiver

●Notes on Installing Position (Do not near the reciever item.)

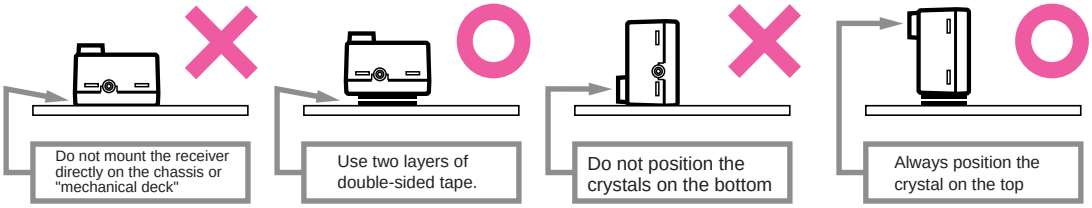
The installation position should be as far as possible from the motor, ESC, nicad batteries, silicone wires or other noise sources.Especially, do not route the silicone wires next to the receiver. (must not be near to the crystal)
FET servo blue wire (7.2V wire) and switches can also generate noise, position them as far away as possible from the receiver and the antenna.





Mounting the Receiver (Electric-powered car)

●When fixing the receiver in place on the chassis or on the "mechanical plate", use two pieces of double-sided tape, one on top of the other, as that the receiver is cushioned somewhat.
Be sure that the crystal is on the high end when installing the receiver

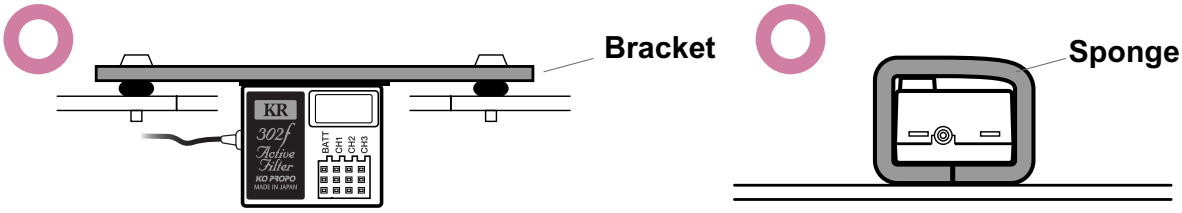


DRAFT

Notes on installing-3

● Notes on Installing the Receiver (Gasoline-powered car)

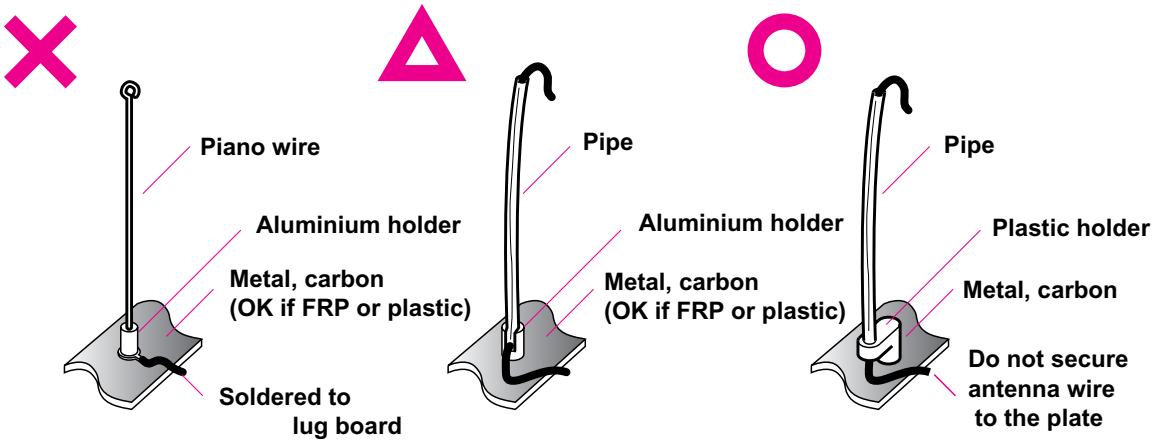
Do not secure the receiver on the chassis or the "mechanical deck". Vibrations will cause the receiver to misfunction and may even cause internal damage to the receiver. Either use the bracket (receiver holder) provided with the kit, or else cushion the receiver with a sponge like material.



Warning! The exhaust gas of engine carries neither in this place nor the place which becomes high temperature. * A receiver breaks down and it becomes the cause of a reckless run.

● Notes on Antenna Installation

Please follow the instruction as in the illustration below when you mount the antenna holder to the metal or carbon chassis.When using on FRP or carbon hollow antenna on a racing car, etc., do not pass the antenna wire through the pipe, allow it to trail away loosely outside.



DRAFT

KO PROPO Professional Controller

EX-10 HELIOS

Main Specifications

Transmitter KT-303H

Operation method	Wheel+ Triger
Number of channels	3 Channnels
Transmission Frequency	Any Band by changing crystals within the frequency range
Neutral pulse	1.5msec
Memory	EEPROM
Supply Voltage	8x AA size dry cel or 8 cells Nicad
Current consumpion	Less than 250mA

RF Module RF-501F for KT-303H

Transmission Frequency range	Any frequency range by switchung RF modules
Modulation method	FM-PPM

Receiver KR-302F

Reception method	FM-PPM
Number of channels	3 Channels
Reception frequency	Any Band by changing crystals within the frequency range
IF frequency	455KHz
Supply voltage	3.5 6.5V
Dimentions	29.3×24.4×16.4mm
Weigh	12.0 (excluding crystal)

KO PROPO®

LATEST LEADING RADIO CONTROL TECHNOLOGY

DRAFT

Terminology used in radio control mode usage.Please refer to the Index for theterminology or wording of this transmitter.

Analog Servo	The general term of a model of machines of the Servo which used a thing of an analog method for control IC of Servo
Alarm	A signal to be famous as a buzzer of a transmitter. When it is used for a meaning of warning.
Amplifier	ESC
ESC	Abbreviation of an electric speed controller. It is a speed controller of a motor to use by electric car. An amplifier is said.
EEPROM	A kind of memory. Contents written in aren't erased even if switched off. It is used for data pack in EEPROM others of memory in the main body
Internet	The network where the communication network where plural personal computers were connected to was connected to on a large scale more. Information dispatch by a homepage and an E-mail are depended on in the world, and communication can be done.
WEB Site	Home Page
AM	An electric wave to send from a transmitter A signal form of an electric wave. There is FM as another method. AM is an abbreviated designation in English of an amplitude modulation method. When that is used, It is had to match a signal form of transmission and reception machine.
LCD	A cable address to mean liquid crystal indication device. It is used to display letters.
AC Charger	A charge container to connect to 100V outlet. There are many situations to cut more than several hours in charge.
FM	A signal form of an electric wave to send from a transmitter. FM is an abbreviated designation in English of a frequency modulation method
FET	An electric field effect transistor. Loss resistance is small, and, in comparison with a normal transistor, a consumption electric current of oneself is small, too.
FET Servo	FET was used for a motor drive element instead of a conventional transistor, and it is being of high class Servo.
ET	An Abbreviation of electric trim. Besides, a button is abbreviated to BT.
Fast Charger	The Charger which charges a nickel-cadmium battery and a nickel metal hydride battery by a short time.
Carburetor	Fuel mixture device, turn number of engines are controlled.
Crystal	A component to set frequency of transmission and receiver, It is made from crystal.
Clutch	An output axis of an engine and the intermittent continuation device which there is between gearing devices.
High frequency ESC (an amplifier)	ESC of the method how frequency to drive a motor is high. Most are these systems, but the thing which isn't a high frequency system exists in past things.
High frequency (RF) module	An electric wave is made, and a circuit device to fire can be put on and off. When a frequency band to use (27MHz .40MHz) is changed, it is had to swap it.
Connector	Electric point of contact unit of putting on and off type.
Rubber Grommet	The rubber component which protects Servo from vibration, an edge of a Servo case can be possessed.
Servo	The device which converts a management signal of a transmitter into turn machine exercise. A Servo motor.
Cycle	It is space and period of repetition of a certain movement.
CPU	IC of a core of a computer used in various uses by digital operation processing.A microcomputer. It can be called MPU.
Frequency band	It is called the place that each frequency gathers, and shine, 27MHz zone (mega Hz), 40MHz zone.
Receiver (RX)	The device which an electric wave of a transmitter is received, and send a control signal forth in Servo and ESC.
Jog dial	A knob for data modification of a turn system not to have a stopper. If that is controlled every one click, by 1 point can do data modification, but is usable usefully when numerical value wants to be made a change in at a stretch
Speed controller	ESC
Swing	Campaign against coming and going between a certain set two points.
Spline	Exact location of the servo horn in to the neutral position.
Center Trim	Even if the trim is adjusted, overall turning angle point will not be changed.

DRAFT

Servo Saver Horn	The shock absorbing device that is installed or in place of servo horn.
Transmitter (TX)	Hand set that transmitter signal.
Turning Angle (Travel)	Turning angle of the servo horn.
Channel (CH)	Number of Servo which can be controlled with a transmitter one by one. Or it is a number of that individual signal
Data Pack	It is the module which had memory for enlargement built-in. Usable model memory can be increased.
Digital Servo	The general term of a model of machines of the Servo which used a thing of a digital system for control IC of Servo.
Delay	Act slowly.
DC Charger	The Charger which uses direct current for power supplies such as 12V battery or 12V stabilization power supply.
Duty	It is the ratio of two movement.
Travel	It is a rudder angle, movement volume.
Trigger	Control mechanism of a transmitter. A piece pulled with a finger to control the speed or brakes.
Trim	The device which adjusts a neutral position of each channel signal.
7.2V Servo	The Servo that a motor becomes the other power supply. By a KO PROPO original system, it is expected that a power supply is taken out of a power supply for power (7.2V) in the case of an electric car
NiCad (Ni-cd)	It is different from a dry cell, The battery which it is charged repeatedly, and can be used. There are NiMH or lithium ion as the battery which it is charged, and can be used repeatedly elsewhere
Neutral	The situation that separated a hand from a stick of a transmitter or a position of Servo Horne at that time.
27Mhz	It is for one of the frequency band that it can use by radio control, ground, water model, and there are 12 belts.
Noise	An electric noise. For a kind of electric wave, it makes it jumps into a receiver and malfunction.
Band plate	It is frequency and is selected with crystal glass. It can make a change by crystal glass exchange in the same frequency band.
Band	It is frequency and is selected with crystal glass. It can make a change by crystal glass exchange in the same frequency band
Backlight	Because themselves don't emit light LCD (a liquid crystal display), visibility isn't good by the time if it is dark. It is the lamp which is installed in the backside of liquid crystal to solve this (the emission of light source)
Dead Band	The field where Servo doesn't react to even if it controls foil and trigger.
VR	It means the volume that detects the position of the stick.
Fail safe adaptor	When it receives an interference electric wave, it is the device which it fixes Servo Horne at the position that a computer set up beforehand, and prevent reckless driving.
Push rod	The stick thing which is used for linkage.
Preset	Will set up a position in advance
PC interface	It is an adapter it converts a signal into, and to be connected to do setting of a transmitter with a PC.
Discharger	The circuit device which makes you discharge a residual quantity of a charge type battery of NiCad forcibly.
Wheel	Mechanism of the transmitter which it turns it from side to side, and control a steering.
Pumping Effect	Intermittent breaking action.
Home Page	It says the place where it mentioned a certain information in on Internet. It can look by software on a personal computer called a Web browser.
Machine plate	The board which installs receiver Servo on a chassis of a car.
Mega Hz (MHz)	1000Hz =1 KHz (a kilohertz) 1000KHz =1MHz.
Memory	In a personal computer, it is used for a meaning called the preservation place in which information is stored temporarily. Although the information on the memory in this case will be lost if a power supply is shut off, the memory used for a transmitter etc. is called non-volatilized memory, and even if it shuts off a power supply, it holds information.
40Mhz	One of the frequency band that it can use by radio control. Eight bands for ground model. There are five bands for sky model.
Linkage	Servo and connection mechanism to connect each mechanism to of a model.
Reset	Return setting contents of setting numerical value to an initial situation
Regulator	The circuit which stabilizes the input voltage to the necessary voltage.
Response	It is time before machinery of the receiver side reacting since it controls a transmitter.
Width	The thing of width which operates by ABS or Throttle Acceleration.

DRAFT

DRAFT

DRAFT

DRAFT

EX-10 HELIOS

PROFESSIONAL CONTROLLER

KO PROPO®

DIGITAL PROPORTIONAL SYSTEM