SUPER VORTEX Stock
SSL CODE-AUX
Sanwa Synchronized Link

SANWA SYNCHRONIZED LINK SYSTEM

USER MANUAL

Thank you for your purchasing SNAWA SUPER VORTEX STOCK, RX-482/RX-472/RX-47T Receiver.
This is SANWA Synchronized Link (SSL) User's guide for use with M12S/EXZES ZZ and SUPER VORTEX STOCK and
RX-482/RX-472/RX-47T. Before you start to use SSL, please read these instructions carefully to enjoy optimum performance.

ABOUT SSL SYSTEM

When used with a SANWA M12S or Exzes ZZ transmitter, RX-482/RX-472/RX-47T receiver and the SANWA SUPER VORTEX STOCK ESC, the SANWA Synchronized Link (SSL) system allows you to change many ESC programming values directly from the transmitter using the transmitter's CODE AUX function. In addition, telemetry data such as motor RPM, ESC temperature, motor temperature (if supported), and battery voltage can be read directly from the SUPER VORTEX STOCK ESC and displayed on the transmitter.
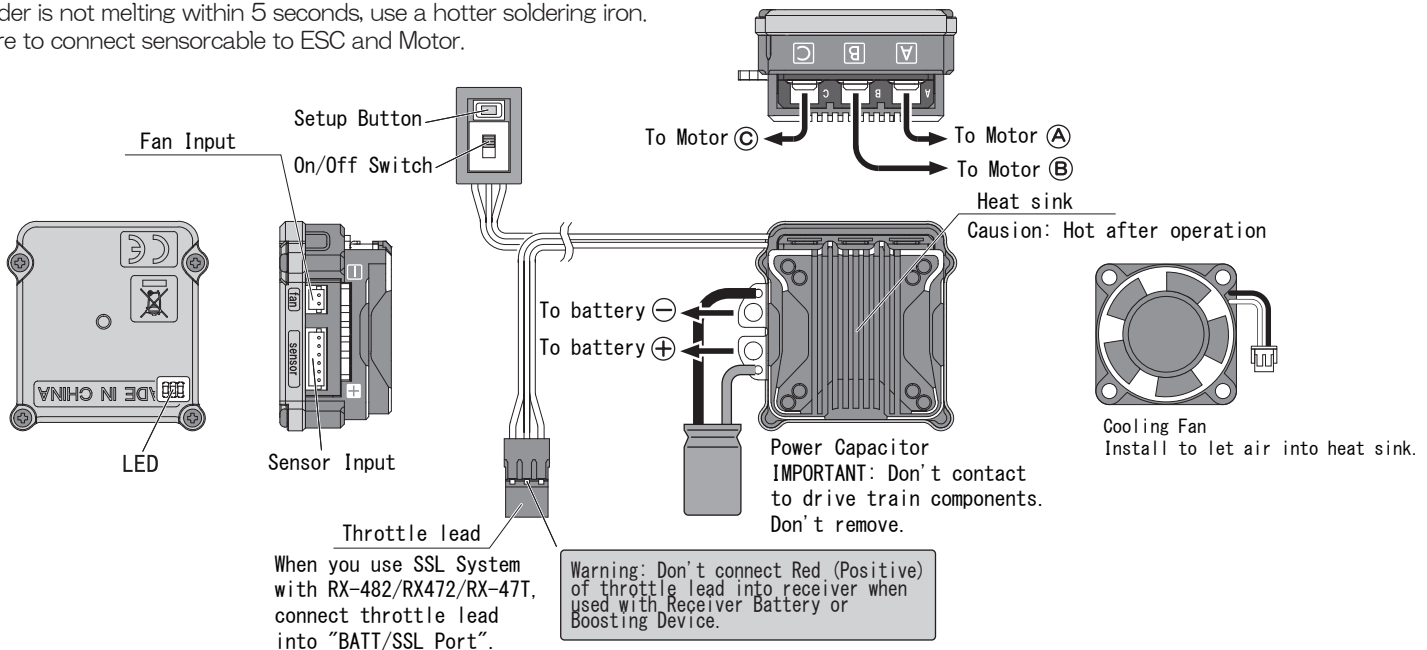
OVERVIEW, CONNECTIONS AND MOUNTING

● Solder the included 12 AWG Power wire to connect ESC to battery and motor.

*IMPORTANT: When soldering your battery connector and battery wires to the ESC, please observe correct polarity -positive to positive and negative to negative. When soldering the motor wires to the ESC and your motor, make sure that the wiring matches- A,B and C from the ESC to A, B and C on yoru motor.
*WARNING: Do not leave the soldering iron on the mounting posts for any longer than is necessary to melt the solder. If the mounting posts overheat, it can damage the ESC. A suitably hot soldering should not be left on the mounting posts longer than about 5 seconds.
If the solder is not melting within 5 seconds, use a hotter soldering iron.
Make sure to connect sensorcable to ESC and Motor.

Setup Button
On/Off Switch
Fan Input
LED
Sensor Input

To Motor Ⓒ
To Motor Ⓐ
To Motor Ⓑ

Heat sink
Causion: Hot after operation

To battery ⊖
To battery ⊕

Power Capacitor
IMPORTANT: Don't contact to drive train components. Don't remove.

Cooling Fan
Install to let air into heat sink.

Throttle lead
When you use SSL System with RX-482/RX472/RX-47T, connect throttle lead into "BATT/SSL Port".

Warning: Don't connect Red (Positive) of throttle lead into receiver when used with Receiver Battery or Boosting Device.
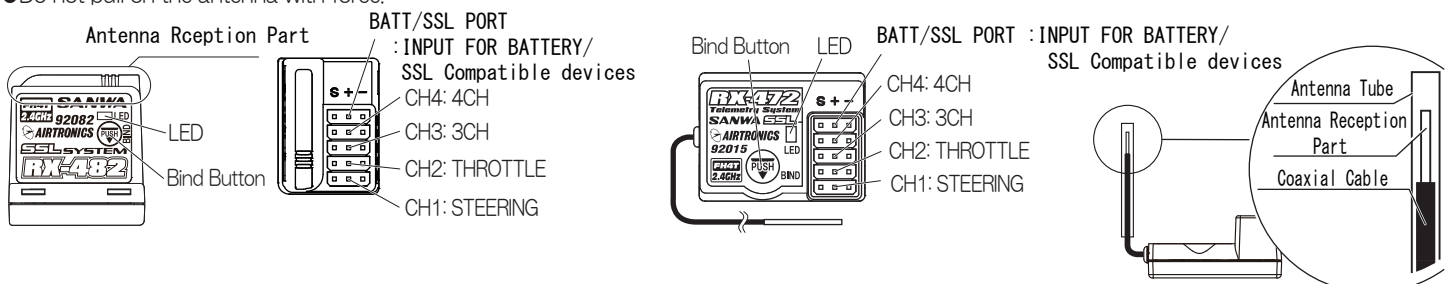
SSL-COMPATIBLE RECEIVER

● Reception performance will be influenced by the inatllation place of receiver and antenna.
When you use RX-482 (built-in antenna type reciever), install reciever with antenna reception part in a high position.
● When you use RX-472 or RX-47T, mount antenna in antenna tube to protect antenna reception part (the thin tip at the ned of the coaxial cable).
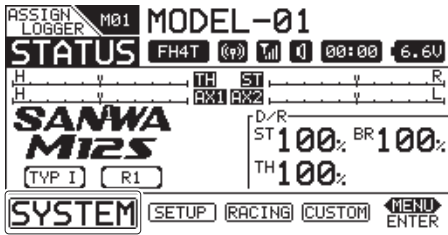● Do not bend Antenna Reception Part. Do not bend Antenna Coaxial Cable acutely.
● Do not pull on the antenna with force.

Antenna Rception Part
LED
Bind Button

BATT/SSL PORT
:INPUT FOR BATTERY/
SSL Compatible devices
CH4: 4CH
CH3: 3CH
CH2: THROTTLE
CH1: STEERING

Bind Button
LED

BATT/SSL PORT :INPUT FOR BATTERY/
SSL Compatible devices
CH4: 4CH
CH3: 3CH
CH2: THROTTLE
CH1: STEERING

Antenna Tube
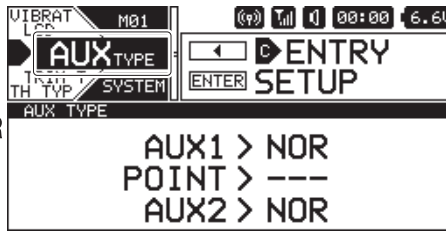Antenna Reception Part
Coaxial Cable

M12S AND EXZES ZZ TRANSMITTER SETUP

●Set AUX TYPE in system menu of M12S or EXZES ZZ. The SANWA Synchronized Link (SSL) will not function if the transmitter is not set up correctly. To be able to change Super Vortex Stock ESC Programming values remotely, AUX (Auxiliary Type1) must be programmed to "CODE 10". *Default setting is "NOR" which is not compatible with SSL.
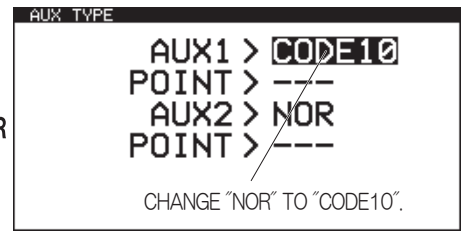
"STATUS" SCREEN

```
ASSIGN  M01  MODEL-01
LOGGER
STATUS  FH4T  (ф)  Tıl  ()  00:00  6.6V
H ──────── TH ──── ST ──── R
H          AX1 AX2
SANWA              D/R-
M12S         ST 100%  BR 100%
TYP I   R1    TH 100%
SYSTEM  SETUP  RACING  CUSTOM  MENU
                              ENTER
```

⇒ ENTER ⇒

"AUX TYPE" SCREEN

```
VIBRAT  M01       (ф) Tıl () 00:00 6.6V
LED
   AUX TYPE        ◄  ► ENTRY
TH TYP  SYSTEM   ENTER  SETUP
AUX TYPE
        AUX1 > NOR
       POINT > ---
        AUX2 > NOR
```

⇒ ENTER ⇒

"AUX TYPE SETTING" SCREEN

```
AUX TYPE
   AUX1 > CODE10
  POINT > ---
   AUX2 > NOR
  POINT > ---
```
CHANGE "NOR" TO "CODE10".

RECIEVER AND SUPER VORTEX STOCK ESC SETUP

●Plug the SUPER VORTEX STOCK ESC throttle lead into the BATT/SSL port in reciever.

WARNING: Never plug a non-SSL compatible device into the SSL port in the reciever.
If for some reason you don't want to utilize the SSL and telemetry features, or if you're using a non-SSL compatible ESC, plug the ESC throttle lead into the CH2 - ESC port.

●Bind transmitter and reciever.
When binding M12S/EXZES ZZ and reciever, MODULATION must be "FH4T".
If modulation is set as "FH3/FH3F", SSL will not function.
●When SSL function is active, response mode is SSL original response mode.
Response Movement is between SSR and SHR.

*If you want to set "NOR/SHR/SSR" mode, save the setting values you chose by transmitter SSL, in Super Vortex Stock ESC itself. And then plug the throttle lead into CH2 in reciever.
*If race regulation prohibit the use of CODE AUX (CH3, CH4), plug the throttle lead into CH2 in reciever.

RX-472/RX-47T BATT/SSL PORT

RX-482 BATT/SSL PORT
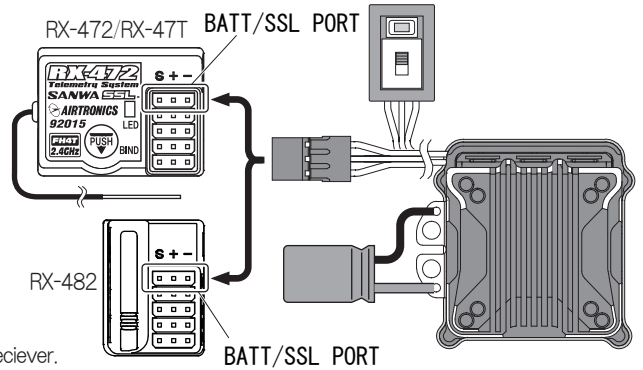
TRANSMITTER SETUP AND CALIBRATING THROTTLE END POINTS

●Prior to setting up ESC, set up your transmitter as described in the below table.

D/R-TH	THROTTLE • DUAL RATE	HIGH SIDE/BRAKE SIDE	TH 100% / BR 100%
EPA-TH	THROTTLE • END POINT ADJUST	HIGH SIDE	100% H
EPA/TH	THROTTLE • END POINT ADJUST	BRAKE SIDE	100% B/L
EXP-TH	THROTTLE EXPONENTIAL	HIGH SIDE/BRAKE SIDE	OFF / 0%
ARC-TH	THROTTLE • ADJUSTABLE RATE CONTROL	HIGH SIDE/BRAKE SIDE	OFF / 0%
THROTTLE TRIM			CENTER
SUB TRIM-TH	SUBTRIM • THROTTLE		0
THROTTLE REVERSE			NOR or REV It cannot be changed after setup.

●Set up "NEUTRAL/HIGH POINT/LOW POINT" as the below instruction.

1	Verify that the ESC On/Off switch is turned OFF and the ESC is not plugged into your battery. Remove the pinion gear from motor to prevent any chance of a runaway model during the calibration process. While the throttle trigger in the neutral position, turn your transmitter ON.
2	Plug the ESC into battery and turn the ESC On/Off switch ON. Press and hold the Setup Button. The Setup LED will turn solid green. **ON ← Setup Button, Push, ESC On/Off Switch → Solid Green LED**
3	While the throttle trigger in the neutral position, press the Setup Button. The Setup LED will turn solid blue, indicating the throttle neutral position is stored. **Neutral, Setup Button, Push, ESC On/Off Switch → Solid Blue LED**
4	While holding the throttle trigger in the full throttle position, press the Setup Button. The Setup LED will turn solid red, indicating the full throttle position is stored. Release the throttle trigger. **Full Throttle, Setup Button, Push, ESC On/Off Switch → Solid Red LED**
5	While holding the throttle trigger in the full brake position, press the Setup Button. The Setup LEDs will turn solid red, blue, and green, indicating the full brake position is stored and the calibration process is complete. Release the throttle trigger. **Full Brake, Setup Button, Push, ESC On/Off Switch → Solid Red, Blue and Green LED**

●LED THROTTLE POSITION CONDITION INDICATORS

• SUPER VORTEX STOCK ESC LED INDICATES THE BELOW ACCORDING TO THROTTLE POSITION WHEN THROTTLE LEAD IS PLUGGED INTO "BATT/SSL PORT" IN RX-472/ RX-482/ RX-47T.

THROTTLE TRIGGER POSITION	LED
NEUTRAL (SSL VALID)-BOOST OFF	SOLID GREEN & FLASHING BLUE
NEUTRAL (SSL INVALID)-BOOST ON	FLASHING GREEN & SOLID BLUE
ANY THROTTLE SETTING OTHER THAN FULL	FLASHING GREEN RAPIDLY
FULL THROTTLE	SOLID BLUE
ANY BRAKE OR REVERSE SETTING OTHER THAN FULL	FLASHING RED RAPIDLY
FULL BRAKE OR FULL REVERSE	SOLID RED

※ If within SSL -CODE AUX, SETUP BUTTON of Super Vortex Stock is pressed and held for approx. 4 seconds, the programming values chosen by tranmistter remote setting will be saved in ESC itself. And SSL - CODE AUX will be invalid, indicating Flashing Green LED. If you press and hold the Setup Button again, SSL-CODE AUX will be valid. Refer to the Page 4.

• SUPER VORTEX STOCK ESC LED INDICATES THE BELOW ACCORDING TO THROTTLE POSITION WHEN THROTTLE LEAD IS PLUGGED INTO "CH2" IN RX-472/ RX-482/ RX-47T.

THROTTLE TRIGGER POSITION	LED
NEUTRAL – BOOST OFF	FLASHING BLUE
NEUTRAL – BOOST ON	SOLID BLUE
ANY THROTTLE SETTING OTHER THAN FULL (SSR mode)	FLASHING BLUE RAPIDLY
ANY THROTTLE SETTING OTHER THAN FULL (NOR/SHR mode)	FLASHING RED RAPIDLY
FULL THROTTLE	SOLID BLUE
ANY BRAKE OR REVERSE SETTING OTHER THAN FULL	FLASHING RED RAPIDLY
FULL BRAKE OR FULL REVERSE	SOLID RED

SSL SETTING FOR NON-SSL COMPATIBLE FUNCTION

WARNING: POGRAMMING MODE 1-4 of SUPER VORTEX STOCK is not compatible with SSL -CODE AUX.
Change Programming Mode values by SETUP BUTTON of ESC. Only when MODE4 is #2 (Boost ON), MODE 10 - 13 will become active.

MODE 1 (Cut-Off Voltage) *Ensure that the Cut-Off Voltage value you choose matches the battery type you're using.

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11
flashes x 1blue	OFF	3.0v	3.3v	3.6v	4.0v	4.4v	4.8v	5.2v	5.6v	6.0v	6.4v

MODE 2 (Reverse) Enable or Disable Reverse function. Reverse is 50% of speed of forward.

	#1	#2
flashes x 2blue	Disabled	Enabled

MODE 3 (Thermal Protection) ESC and motor over-heat protection. Requires motor be equipped with temperature sensor.

	#1	#2	#3	#4	#5	#6
flashes x 3blue	120℃/80℃	120℃/90℃	120℃/100℃	120℃/110℃	120℃/120℃	OFF/OFF

MODE 4 (Boost) *When throttle is in neutral, if #1 is set, Blue LED will be flashing and if #2 is set, Blue LED is solid on.

	#1	#2
flashes x 4blue	Disabled	Enabled

*Only when #2 boost enabled is set, Mode 10, 11, 12 & 13 are valid.

IMPORTANT: Change Programming Mode Values by SETUP BUTTON of SUPER VORTEX STOCK.   *Default values are shown in gray.

SSL SETTING FOR CODE AUX 1

● SSL - CODE AUX allows you to change many programming mode values of SUPER VORTEX STOCK ESC directly from M12S/ EXZES ZZ Transmitter.
Change the values in CODE AUX 1 in Racing Mode Menu of M12S/ EXZES ZZ.

The functions supported by CODE AUX of SUPER VORTEX STOCK.
Change the programming mode values in CODE 1 - CODE10 accroding to your preference by multi-slector of transmitter.

"CODE AUX 1" SCREEN (IN RACING MODE MENU)
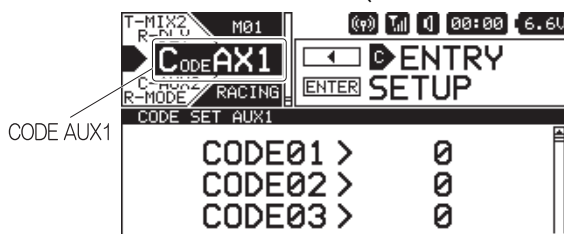
"CODE AUX 1 SETTING" SCREEN
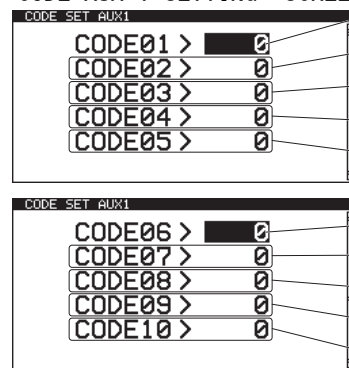
CODE 1 support PROGRAMMING MODE 5
CODE 2 support PROGRAMMING MODE 6
CODE 3 support PROGRAMMING MODE 7
CODE 4 support PROGRAMMING MODE 8
CODE 5 support PROGRAMMING MODE 9
CODE 6 support PROGRAMMING MODE 10
CODE 7 support PROGRAMMING MODE 11
CODE 8 support PROGRAMMING MODE 12
CODE 9 support PROGRAMMING MODE 13
CODE 10 support PROGRAMMING MODE 14

Transmitter Function	SUPPORTED FUNCTION	VALUES	MOVEMENT
CODE AUX1 CODE1	MODE 5 THROTTLE PUNCH	0~100	It adjusts the punch when motor is started by throttle operation. Higher values increase the strongness of punch. Recommended Value for 17.5T Stock Motor is "60 - 80".
CODE AUX1 CODE2	MODE 6 NEUTRAL BRAKE RATE	0~100	It changes the braking effectiveness as the throttle trigger is returned to neutral. Higher values increase the braking effectiveness.
CODE AUX1 CODE3	MODE 7 DRIVE FEEL	0~100	Higher values increase the smoothness of the throttle in the forward and return to the neutral directions.
CODE AUX1 CODE4	MODE 8 NEUTRAL BRAKE FEEL	0~100	Higher values increase the smoothness of the Neutral Brake Function.
CODE AUX1 CODE5	MODE 9 BRAKE FEEL	0~100	Higher values increase the smoothness of throttle in the brake and return to neutral directions.
CODE AUX1 CODE6	MODE 10 BOOST RATE	0~100	Higher values increase motor performance throughout the entire throttle range. Too high values can damage ESC or motor by overcurrent or overheat. *If the value is Zero, BOOST and TURBO are invalid.
CODE AUX1 CODE7	MODE 11 TURBO	0~50	It increases the Timing Advance at only the full throttle position by percentage chosen. Too high values can damage ESC or motor by overcurrent or overheat.
CODE AUX1 CODE8	MODE 12 BOOST STARTING RPM	0~100	It adjusts the starting position of RPM at which the Boost Timing becomes active. When the value is "0", boost starts at 23,000rpm. When the value is "100", boost starts at 3,000rpm. Every 200rpm changes according to 1 step. Recommended Value for 17.5T stock motor is "80 or around".
CODE AUX1 CODE9	MODE 13 BOOST ACCELERATION	0~100	It increases the amount of boost rate per 1,000rpm. Recommended Value for 17.5T stock motor is "45 - 80", for 13.5T stock motor is "14 - 45", and for modified motor is "1 - 8".
CODE AUX1 CODE10	MODE 14 NEUTRAL DEAD BAND	10~50	It adjusts "Play" (looseness) in Neutral range. "10" decrease "Play". And "50" increase "Play". Recommended value for 17.5T stock motor is "25 or less" and for modified motor is "25 or more".

WARNING: On condition that CODE 1-CODE 10 in CODE AUX of M12S/EXZES ZZ is "0" and SSL-CODE AUX is valid, if Super Vortex Stock ESC is powered on, Mode 5 - Mode 14 will be "#1". Change each programming values in CODE AUX 1 accoridng to your preference.
WARNING: If you change programming values by the Setup button of Super Vortex Stock ESC, on condition that SSL-CODE AUX is valid, the programming mode values set by Setup button will be applied to ESC. The programming mode values changed by the Setup button will be saved after returning to Operating Mode from Mode14.
WARNING: The above recommended values are for 1/10th EP Touring Car. It will change according to your motor, battery, or driving conditions. So adjust values while driving considering temperature of equipment.
WARNING: M12, EXZES Z, MT-4S, MT-S don't have CODE 10 function. CODE AUX of M12, EXZES Z, MT-4S, MT-S can change values only for throttle punch/ neutral brake rate/drive feel/neutral brake feel/brake feel.

●If the regulation of races etc. prohibit the use of AUX (3CH/4CH) or you don't use SSL system, or you want to use NOR/SHR/SSR response mode, save the changed values in Super Vortex Stock ESC itself and then plug throttle lead into CH2 in receivers.

1)Press and Hold the Setup button for approx. 4seconds when thelottle lead is plugged into BATT/SSL PORT of RX-472/RX-482/RX-47T and ESC LED is SOLID GREEN indicating SSL-CODE AUX is valid.

2)After holding the Setup button, SSL-CODE AUX will be changed to INVALID from VALID. When SSL-CODE AUX is changed to INVALID, each values changed from transmitter will be saved in SUPER VORTEX STOCK. And then change to plug throttle lead into CH2 in receivers.
*When SSL-CODE AUX is invalid, LED indicates FLASHING GREEN.
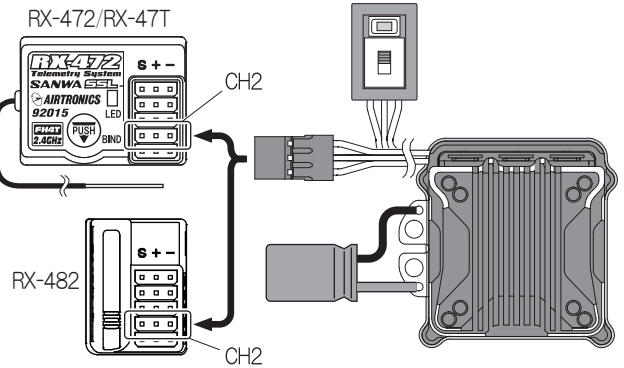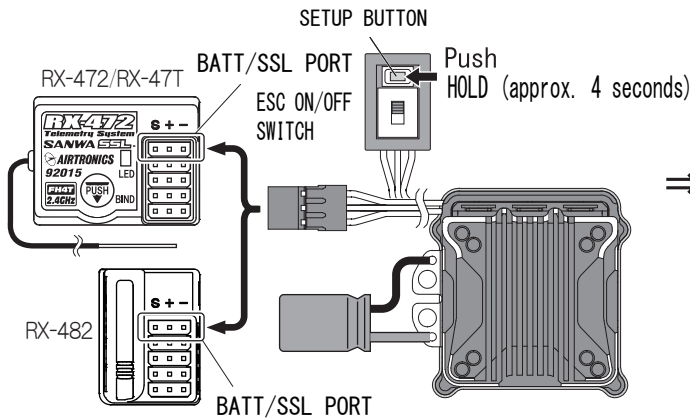
*Even though SSL-CODE AUX is invalid, if BATT/SSL Port is plugged, response mode will be SSL Original system.
(Movement response is between SHR and SSR.)

SSL — SETTING FOR CODE AUX2

●When used with SUPER VORTEX STOCK ESC, M12S/EXZES ZZ transmitter, and RX-472/RX-482/RX-47T SSL-CODE AUX-Compatible receiver, you don't use CODE AUX 2. CODE AUX 2 will be used when you change the setting of SGS-01C/SGS-01D GYRO together with SUPER VORTEX STOCK ESC from transmitter.

"CODE AUX 2 SELECTION" SCREEN (IN RACING MENU)
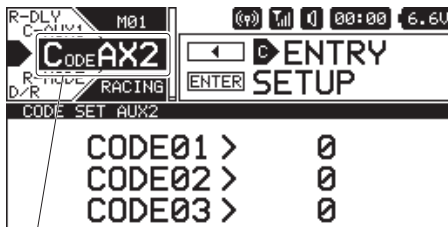
"CODE AUX 2 SETTTING" SCREEN

CODE AUX2
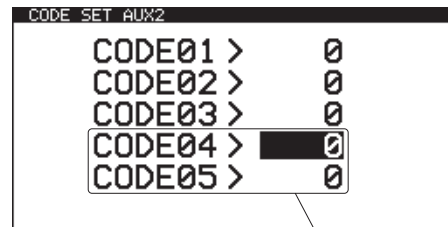
FOR GYRO SETTING

●When you use GYRO together with SUPER VORTEX STOCK ESC, plug the GYRO lead into CH4 in receiver, and set CH4 as SHR (response mode) from transmitter when binding. If any other response mode than SHR is set, transmitter remote setting for Gyro is invalid.

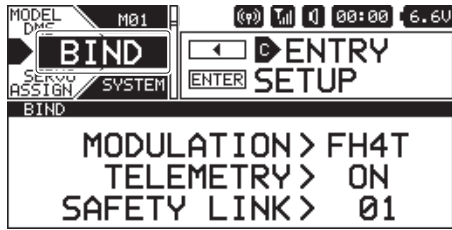"SETTING" SCREEN
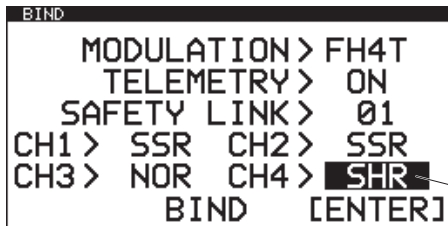
CH4 should be "SHR" when binding.

Plug GYRO lead into CH4.
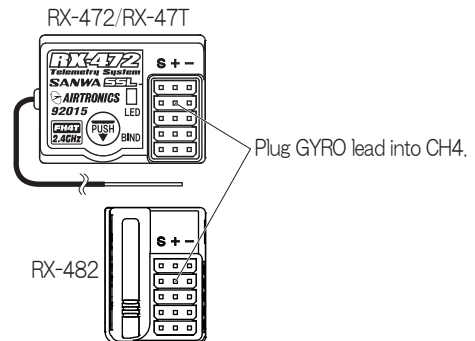
*Refer to the user's manual of gyro regarding setting of Gyro.

● When used with M12S/EXZES ZZ transmitter, RX-472/RX-482/RX-47T receiver and SUPER VORTEX STOCK ESC,
SSL-CODE AUX and SSL-Telemetry allows you to confirm telemetry data on RPM of motor, battery volatge, ESC temperature,
and motor temperature (if supported by motor) without other sensors by transmitter.
In addition, it allows to receive the buzzer or vibration alarm about the volatge and temperature set by transmitter
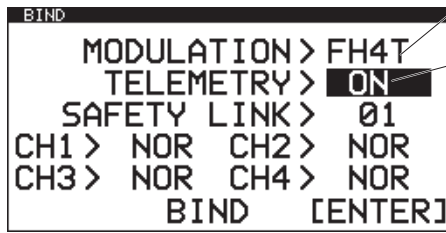so it prevents damage of your equipment.

1) Set MODULATION as "FH4" and set Telemetry as "ON" in BIND MENU from SYSTEM MENU.

"BIND SELECTION" SCREEN in SYSTEM MENU   "SETTING" SCREEN

MODULATION should be "FH4T/FH4".

TELEMETRY should be "ON".

⇒ ENTER

2) Setting for BUZZER in SYSTEM MENU

"BUZZER SELECTION" SCREEN in SYSTEM MENU   "BUZZER SETTING" SCREEN (TELEMETRY)
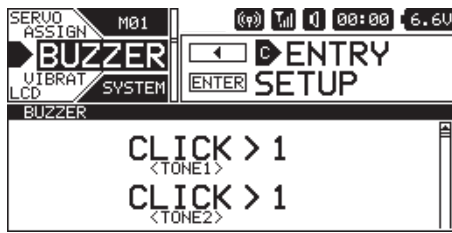
⇒ ENTER

TLM VOLT > 1 ── BUZZER TONE 1
TLM VOLT > 1 ── BUZZER TONE 2
TLM VOLT > 8 ── BUZZER VOLUME

TLM1 > 1 ── BUZZER TONE 1
TLM1 > 1 ── BUZZER TONE 2
TLM1 > 8 ── BUZZER VOLUME

TLM2 > 1 ── BUZZER TONE 1
TLM2 > 1 ── BUZZER TONE 2
TLM2 > 8 ── BUZZER VOLUME
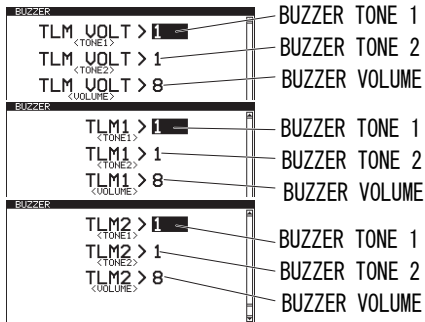
3) Setting for VIBRATOR in SYSTEM MENU

"VIBRATOR SLECTION" SCREEN in SYSTEM MENU   "VIBRATOR SETTTING" SCREEN

⇒ ENTER

VIB LEVEL > 4
POWER > OFF
BATTERY > OFF
TLM VOLT > OFF
TLM 1 > OFF
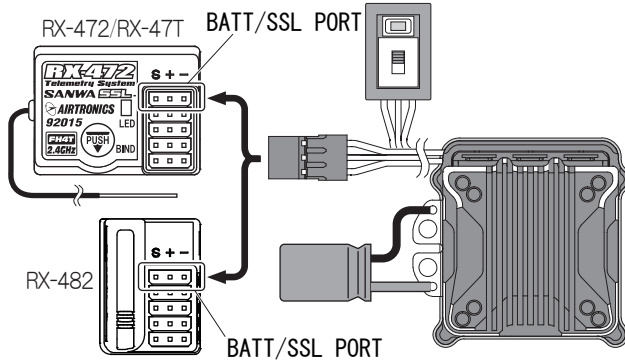TLM 2 > OFF
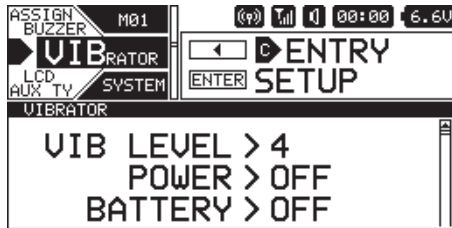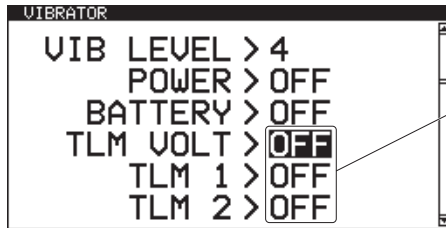
Select ON or OFF accorindg to your preference.

4) Plug throttle lead into BATT/SSL PORT in RX-472/RX-482/RX-47T receiver.

RX-472/RX-47T   BATT/SSL PORT

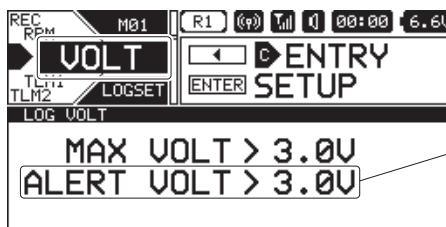RX-482   BATT/SSL PORT

5) Setting for LOG VOLTAGE in SYSTEM MENU
Set the voltage which actuates BUZZER/VIBRATOR.
*LOG VOLATGE is the voltage for your driving battery.

"LOG SETUP SELECTION" SCREEN
(LOG SETUP in SYSTEM MENU)   "LOG VOLT SELECTION" SCREEN
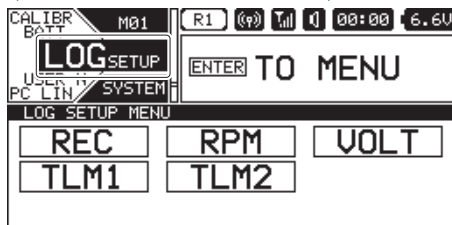
⇒ ENTER

LOG SETUP MENU
REC   RPM   VOLT
TLM1   TLM2

MAX VOLT > 3.0V
ALERT VOLT > 3.0V

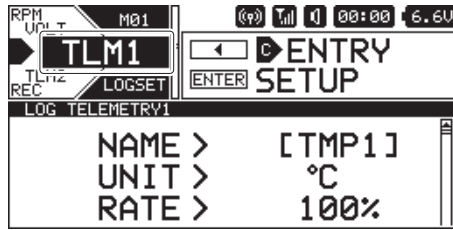Set the vaoltage which actuates BUZZER/VIBRATOR.

6) Setting for ALERT in TELEMETRY 1 and TELEMETRY 2 from LOG SETUP in SYSTEM MENU
• Setting for TLM1 ALERT
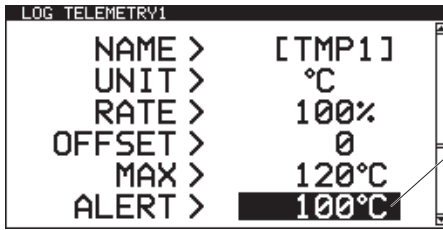Set the temperature which actuates BUZZER/VIBRATOR in TLM1 ALERT in LOG SETUP.
(*Default setting for TLM1 is internal temperature of ESC.)

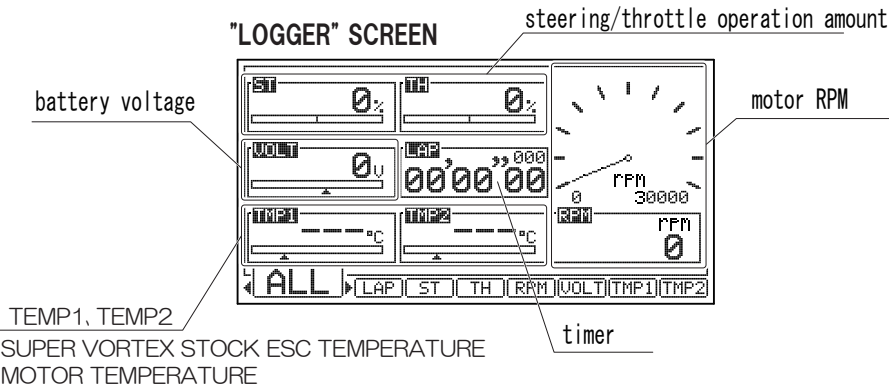**"TLM1 SELECTION" SCREEN (in SYSTEM MENU)**　　**"LOG TELEMETRY 1 SETTING" SCREEN**

⇒ ENTER

Set the temperature which actuates BUZZER/VIBRATOR.

• Setting for TLM2 ALERT
Set the temperature which actuates BUZZER/VIBRATOR in TLM2 ALERT in LOG SETUP like TLM1.
(*Default setting for TLM2 is internal temperature of motor. If your motor don't have temeperature sensor, it will not function.)

OThe above setting allows to actuate BUZZER or VIBRATOR when the battery voltage and equipment temeprature reach the set values.
When SSL-TELEMETRY is active, LOGGER SCREEN display motor RPM, Batteyr Voltage, Temperature 1 and Temperature 2 on real time.
Real-time display for motor RPM, Battery Voltage, Temperature 1 and Temperature 2 is also possible for MT-4S.
It is availabe by setting in TELEMETRY SETING MENU.

"LOGGER" SCREEN

steering/throttle operation amount

battery voltage

motor RPM

TEMP1、TEMP2

timer

TEMP1: SUPER VORTEX STOCK ESC TEMPERATURE
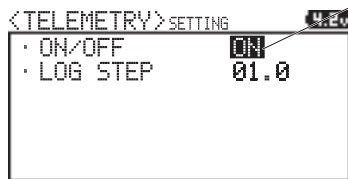TEMP2: MOTOR TEMPERATURE

●When used with MT-4S/MT-S transmitter, SSL-CODE AUX and SSL-Telemetry allows you to confirm telemetry data on RPM of motor, battery volatge, ESC temperature, and motor temperature (if supported by motor) without other sensors by transmitter.
In addition, it allows to receive the buzzer or vibration alarm about the volatge and temperature set by transmitter so it prevents damage of your equipment.
WARNING: MT-4S and MT-S is not compatible CODE 10. So the function comaptible with CODE 10 of SUPER VORTEX STOCK ESC cannot be controlled from transmitter remotely.
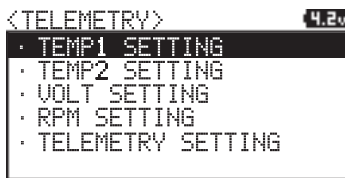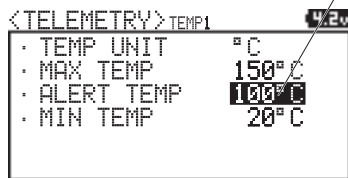
1) TELEMTRY SETTING in SYSTEM MENU
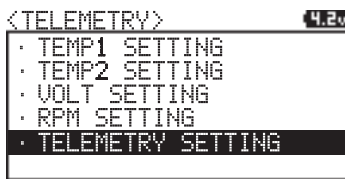
If OFF, Telemetry will not work.
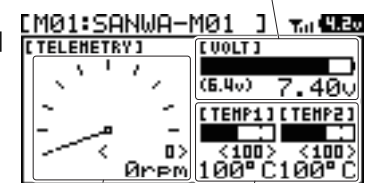
⇒ ENTER

2) TEMP1, TEMP2 ALERT SETTING

⇒ ENTER

Set the temperature which actuates ALERT.
Set TEMP2 as well as TEMP1.
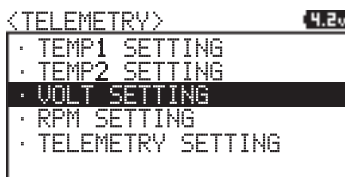
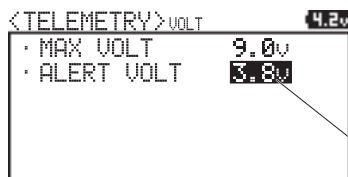"TELEMETRY" SCREEN

battery voltage

motor RPM

TEMP1、TEMP2

TEMP1: SUPER VORTEX STOCK TEMEPERATURE
TEMP2: MOTOR TEMPERATURE

3) VOLT ALERT SETTING

⇒ ENTER

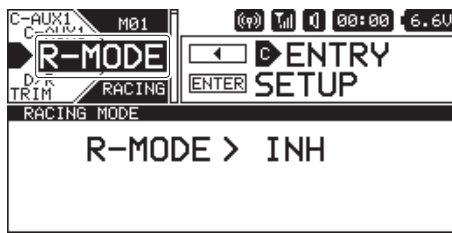Set the volatage which actuates ALERT.

● RACING MODE function of M12S/EXZES ZZ allows you to set the several patterns on the values of SUPER VORTEX STOCK in advance to call up the desired setting accroding to your motor features or your preference.
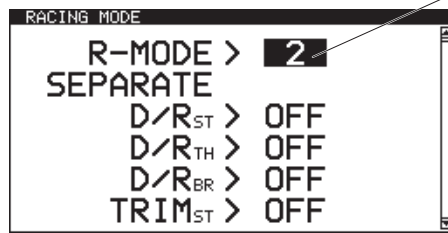WARNING: When SSL-CODE AUX is invalid, you cannot change setting by RACING MODE.

・SETTING FOR RACING MODE
　　RACING MODE in RACING MENU → [INF] → Set [2] ~[5]
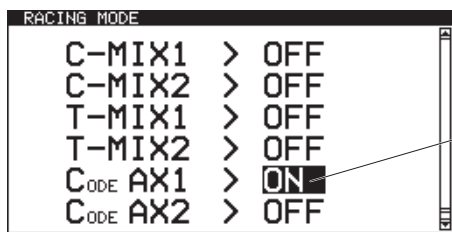
"RACING MODE SLECTION" SCREEN

C-AUX1
C-AUX2　M01　　(((•))) Tııl 🔋 00:00 6.6V
▶ R-MODE　　◀ ▶ ENTRY
D/R TRIM　RACING　ENTER SETUP
RACING MODE

R-MODE > INH

⇒
ENTER

"RACING MODE SETTING" SCREEN

RACING MODE
R-MODE > 2
SEPARATE
D/R_{ST} > OFF
D/R_{TH} > OFF
D/R_{BR} > OFF
TRIM_{ST} > OFF

Select [2] ~[5]
accroding to your preference.

After setting [2~5] in RACING MODE, each menu will be displayed separately.
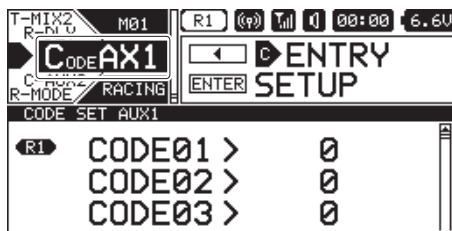Select CODE AUX1 and change setting from "OFF" to "ON".

"RACING MODE SETTING" SCREEN

RACING MODE
C-MIX1 > OFF
C-MIX2 > OFF
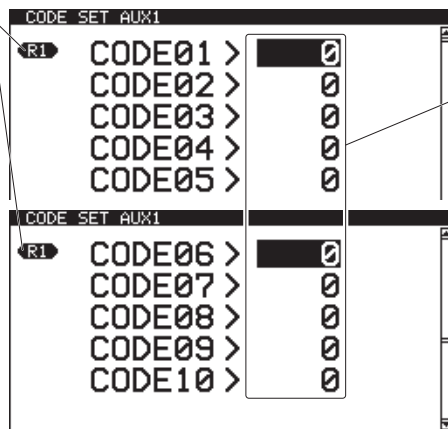T-MIX1 > OFF
T-MIX2 > OFF
C_{ODE} AX1 > ON
C_{ODE} AX2 > OFF

Set "ON".

When Separate setting for CODE AUX 1 in RACING MODE is "ON", it allows you to program the different Programming Values (CODE 1- 10) for each RACING MODE (Racing Mode 1 - 5).

"CODE AUX 1 SELECTION" SCREEN

T-MIX2
R-MENU　M01　　R1 (((•))) Tııl 🔋 00:00 6.6V
▶ C_{ODE} AX1　　◀ ▶ ENTRY
C-AUX2　　　ENTER SETUP
R-MODE　RACING
CODE SET AUX1

R1　CODE01 >　　0
　　CODE02 >　　0
　　CODE03 >　　0

R-MODE
Setting display

⇒
ENTER

"CODE AUX 1 SETTING" SCREEN

CODE SET AUX1
R1　CODE01 >　　0
　　CODE02 >　　0
　　CODE03 >　　0
　　CODE04 >　　0
　　CODE05 >　　0

CODE SET AUX1
R1　CODE06 >　　0
　　CODE07 >　　0
　　CODE08 >　　0
　　CODE09 >　　0
　　CODE10 >　　0

The different Programming Mode (CODE 1 -10) for each RACING MODE (Racing Mode 1-5) can be programmed.

In default setting, the switch of RACING MODE is assigned to Trim Lever 4 (TRM4) of M12S and Trim Lever 3 (TRM3) of EXZES ZZ.
RACING MODE LED indicates the current racing mode while operating the assigned trim lever.

Trim Lever
(TRM 4)

RACING MODE LED

RACING MODE LED INDICATION

LED / MODE	OFF	R1	R2	R3	R4	R5
Racing LED	OFF	GREEN	MAGENTA	CYAN	YELLOW	WHITE

RACING MODE LED

Trim Lever
(TRM 3)

WARNING: When RACING MODE is switchable, if you hold SETUP BUTTON of ESC to disable SSL-CODE AUX function,
the Programming Mode values of the selected RACING MODE will be saved in SUPER VORTEX STOCK ESC.

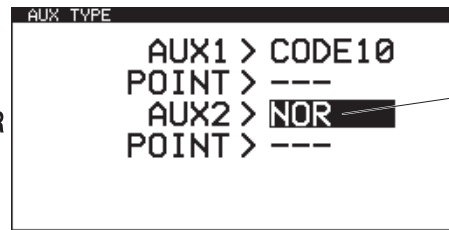●AUX Channel of M12S/EXZES ZZ allows you to set an external device like Gyro, while using SSL system - CODE AUX 1 for Super Vortex Stock ESC.. Use CODE AUX 2 for an external device.
• SETTING FOR AN EXTERNAL DEVICE BY CODE AUX 2
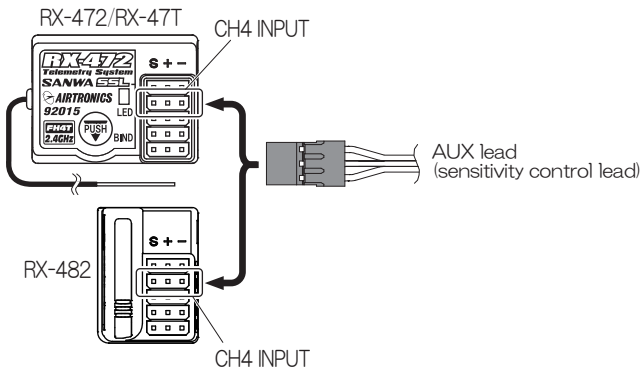Set AUX 2 in AUX TYPE from SYSTEM MENU as ″NOR″.

"AUX TYPE" SCREEN

VIBRAT M01 R1 (( )) Tll (( )) 00:00 6.6V
► AUX TYPE ◄ ►ENTRY
TH TYP SYSTEM ENTER SETUP
AUX TYPE
AUX1 > CODE10
POINT > ---
AUX2 > NOR

⇒ ENTER

"AUX TYPE SETTING" SCREEN
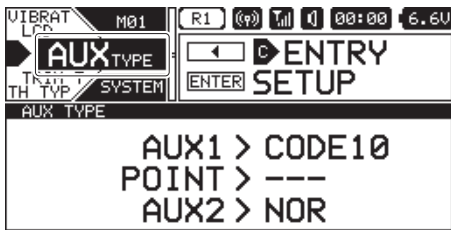
AUX TYPE
AUX1 > CODE10
POINT > ---
AUX2 > NOR
POINT > ---

Set ″NOR″.

Plug sensitivity control device lead into CH4 in compatible-receiver.

RX-472/RX-47T

CH4 INPUT

RX472
Telemetry System
SANWA SSL
AIRTRONICS
92015
FH4T 2.4CHz
PUSH BIND
s + -

AUX lead
(sensitivity control lead)

RX-482
s + -

CH4 INPUT

• HOW TO ADJUST SENSITIVITY CONTROL FOR AN EXTERNAL DEVICE
You can adjust sensitivity control for an external device by VOLUME/LEVER/TRIM which you assign with the function by CODE AUX2.
In default, the function is assgined to LEVER.
Assgin the adjustment function to Trim or Dial or Lever according to your preference.
Change the assignment from ″ASSIGN″ in SYSTEM MENU.

"ASSIGN SELECTION" SCREEN

BIND SERVO M01 R1 (( )) Tll (( )) 00:00 6.6V
ASSIGN ENTER TO MENU
BUZZER VIBRAT SYSTEM
KEY ASSIGN MENU
SWITCH TRIM DIAL
LEVER TELEMETRY
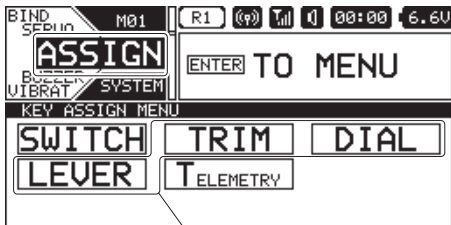
Select the item which you assign the function.
Refer to the detailed explanation in user's manaul for transmitter.

(LEVER) (DIAL)

(DIAL) (LEVER)

●AUX Channel of M12S/EXZES ZZ allows you to set an external device like Gyro, while using SSL system - CODE AUX 1 for Super Vortex Stock ESC.. Use CODE AUX 2 for an external device.
• SETTING FOR AN EXTERNAL DEVICE BY CODE AUX 2
Set AUX 2 in AUX TYPE from SYSTEM MENU as ″NOR″.