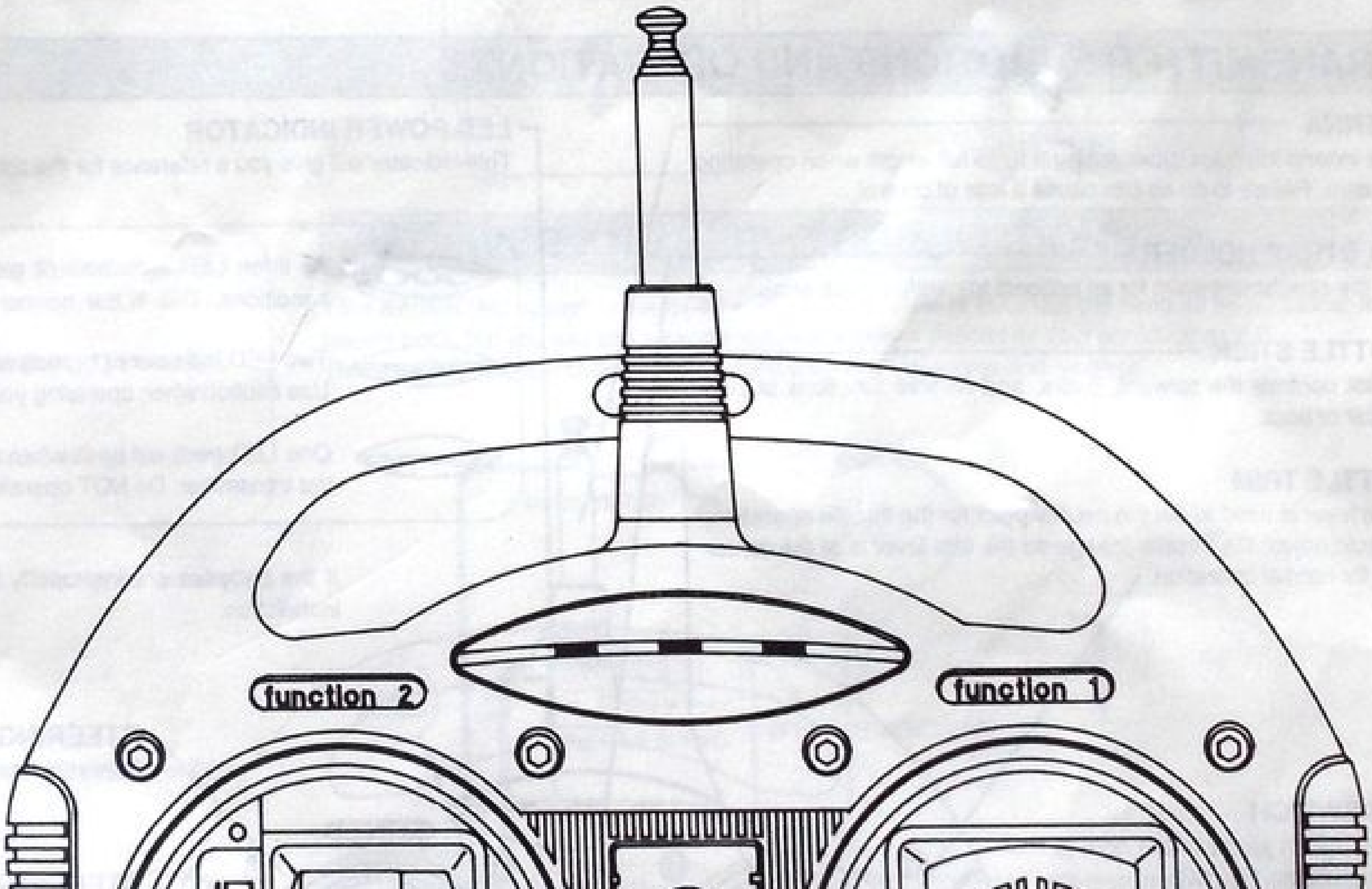
DASH
SABER



SYSTEM FEATURES

- Unique Ergonomic 2 Channel 2 Stick Transmitter design.
- Two Color LED Power Indicator allows easy reference of battery condition.
- High definition design provides positive, easy control.
- Non-slip grip for ease of operation.
- Precision Sticks with optimum angle for best response.
- Servo Reversing on both channels allows easy installation in all types of car and boat models.
- Quick Access Transmitter Crystal for rapid frequency changes and easy confirmation of channel in use.
- Lightweight, High Performance Mini Receiver with Plug-in crystal for easy frequency change.
- Receiver features BEC (Battery Eliminator Circuit) which allows the use of a common power supply for the model and the radio system, thus saving weight and improving performance.
- 2 High Torque and High Speed SRM-102 Servos.

CONFIGURATION OF SET AND SPECIFICATIONS

(A) TRANSMITTER
- ANTENNA TERMINAL OUTPUT : 500mW
- OUTPUT POWER : LED INDICATION
- POWER SUPPLY : EIGHT UM-3 DRY CELLS 12V
- MODULATION : PPM/AM
- WEIGHT : 393g (Excepting battery)

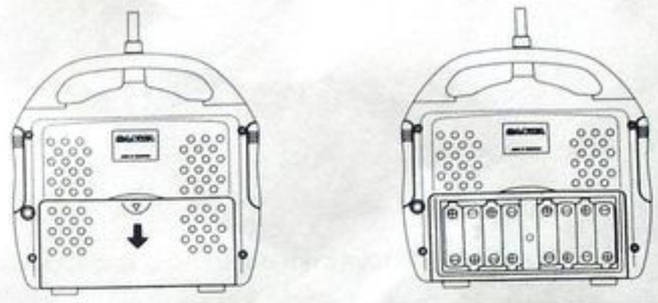
(B) RECEIVER (MINI BEC SYSTEM)
- DIMENSIONS : 33W x 48L x 19H mm
- WEIGHT : 32g
- POWER SUPPLY : DC6 –8.4V
- MODULATION : PPM/AM

(C) SERVO (SRM-102)
- TORQUE : 3.3Kg-cm (6V)
- DIMENSIONS : 20L x 39W x 36H mm
- WEIGHT : 45g

(D) ACCESSORIES
- SWITCH HARNESS
- BATTERY BOX
- BAND RIBBON
- INSTRUCTION MANUAL

TRANSMITTER BATTERY INSTALLATION

1) Push the battery cover down in the direction of the arrow to expose the battery compartment.
2) Install 8 pieces "AA" size batteries as indicated. Make sure you match the polarity (+ and –) as indicated in the battery compartment, or the transmitter will not function.
3) Replace the battery cover.



TRANSMITTER FUNCTIONS AND OPERATION

ANTENNA
Please extend the transmitter antenna to its full length when operating the system. Failure to do so can cause a loss of control.

NECK STRAP HOLDER
This is the attachment point for an optional transmitter neck strap.

THROTTLE STICK
This stick controls the forward, brake, and reverse functions of your model car or boat.

THROTTLE TRIM
This trim lever is used to set the neutral point for the throttle operation. You should adjust the throttle linkage so the trim lever is at the center position for normal operation.

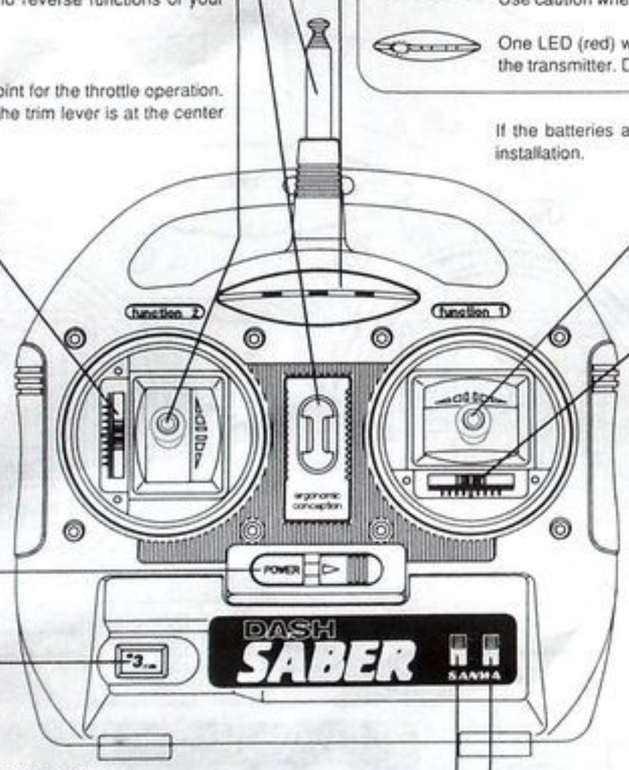
LED POWER INDICATOR
This indicator will give you a reference for the condition of the transmitter batteries.

All three LED Indicators (2 green and 1 red) will be lit when the batteries are in their best conditions. This is the normal operating condition.

Two LED Indicators (1 green and 1 red) will be lit when the batteries are beginning to wear out. Use caution when operating your model.

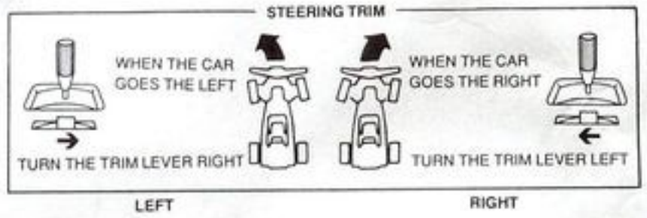
One LED (red) will be lit when the batteries are dead or do not have sufficient energy to power the transmitter. Do NOT operate your model under this condition.

If the batteries are improperly installed, the LED Indicators will not light. Check your battery installation.



STEERING STICK
This stick controls the left and right turning direction of your model car or boat.

STEERING TRIM
This trim lever is used to adjust the neutral point of your models' steering.
If the model drifts to the right or left when running, move the trim lever until the model runs straight.
After you run the model, adjust your steering linkage so that the trim lever is in the center position for normal operation.



POWER SWITCH
The power switch slides to the right to turn the transmitter on. When operating your model, always turn the transmitter on before you turn the receiver on. When you finish, always turn the receiver off first, then the transmitter. This will prevent the model from accidentally running away.

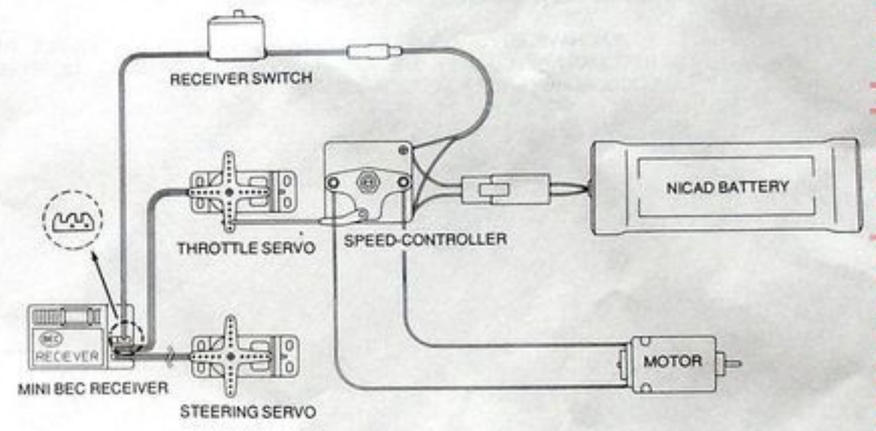
TRANSMITTER CRYSTAL
The transmitter crystal can be removed in order to change frequencies. Only use SANWA Crystals to insure proper operation. The crystal is removed by pulling on the holder.

THROTTLE REVERSE SWITCH (FII)
In most models you should leave switch in the NOR or normal position. If the operation of the models' throttle is opposite from the throttle stick movement, move this switch to the down position. This will reverse the direction of the throttle servo.
Note that if you use an electronic speed controller, this reverse switch should be kept in the NOR or normal position.

STEERING REVERSE SWITCH (FI)
In most models you should leave this switch in the NOR or normal position. When the direction of the models' movement is opposite from the direction of the steering stick movement, move this switch to the down position. This will reverse the direction of the servo travel, allowing you to operate the model in a normal fashion without having to change the steering linkage.

RECEIVER AND SERVO CONNECTIONS

Your SABER R/C system is equipped with a BEC receiver to eliminate the need for an additional receiver battery pack, but you can use a separate power supply if desired for your particular model.
The following diagram shows a typical connection for the servos and receiver.



Note that the receiver antenna should be located at least 2 inches (50mm) away from the servo leads and switch. In electric cars, we recommend that it be at least 4 inches (100mm) from the electric motor.
Extend the receiver antenna to the full length. Failure to do so will cause loss of control. Do not cut or bend the receiver antenna.
Be careful to avoid any metal parts coming in contact with the servo connectors, as this will affect the performance. Insulate the connectors with tape or use tie wraps to avoid contact with metal car chassis.
Please follow the model manufacturers' recommendations for the correct installation of your radio system in your car or boat

■ Position list for number of Receiver connector.

No. of Receiver	Position
1	Steering
2	Throttle (Speed controller)
B	Battery

TROUBLESHOOTING GUIDE

If you radio system does not operate properly, please check the following items:
- Make sure the batteries are properly installed, and check the polarity (+ and –) again.
- Check that both the transmitter and receiver power switches are in the ON position.
- Check the LED Power Indicators and make certain that all three are on. If not, replace the batteries.
- Make sure all the receiver and servo connections are tight.
- Make sure that the proper frequency crystals are installed in the transmitter and receiver.

WARNINGS

DO NOT OPERATE YOUR SYSTEM IF SOMEONE ELSE IS ON YOUR FREQUENCY AT THE SAME TIME.

YOUR MODEL CAN CAUSE SERIOUS DAMAGE OR INJURY SO PLEASE USE CAUTION AND COURTESY AT ALL TIMES.

DO NOT EXPOSE THE RADIO SYSTEM TO WATER OR EXCESS MOISTURE. PLEASE WATER PROOF THE RECEIVER AND SERVOS BY PLACING THEM IN PLASTIC BAGS OR A WATER TIGHT RADIO BOX WHEN OPERATING R/C BOAT MODELS.

IF YOU HAVE LITTLE OR NO EXPERIENCE OPERATING R/C MODELS, WE STRONGLY RECOMMEND YOU SEEK THE ASSISTANCE OF EXPERIENCED MODELERS OR YOUR LOCAL HOBBY SHOP FOR GUIDANCE.