

OWNERS MANUAL

# JR JEEP 2

AM PROPORTIONAL RADIO CONTROL SYSTEM

SYSTEM G2C-2S



## INTRODUCING JR JEEP 2

Congratulations on purchasing a JR JEEP-2 radio control system.

This system was developed by JR PROPO, the world famous company, highly respected for their remote control systems.

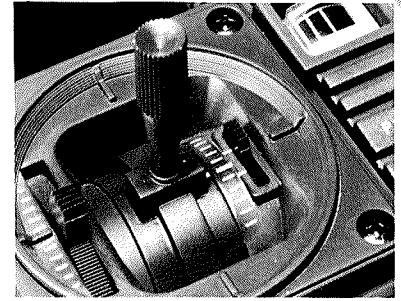
JR JEEP-2 possess many advanced features, these features guarantee precise control and extreme reliability. All components and parts used in JR radio control systems have been extensively tested. All JR radio control systems will tolerate extremes of vibration, temperature and humidity. With correct usage your JR JEEP-2 will provide years of trouble free service. We recommend that you thoroughly read this instruction manual before using your JR JEEP-2 system.

# 1 SYSTEM COMPOSITION

- Model System G2C-2S
- Transmitter NET-G222
- Receiver NER-122
- Servo NES-601x2
- Accessories Dry cell battery case and switch, servo rubbers

## ② MULTI-PURPOSE STICK ASSEMBLY

The function 2 stick assembly can be adjusted to suit your own requirements. This facility provides maximum operator convenience.



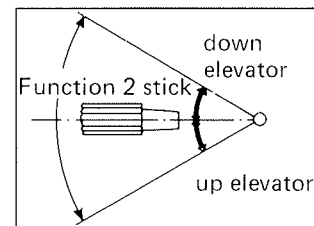
# 2 TRANSMITTER

## ① NET-G222 Specifications

- Multi-purpose stick assembly
- AM digital proportional, 2 function
- Transmitting frequency 29MHz. Channels 12-36
- Power consumption 1 Watt
- Battery requirements UM-3 x 8, 12V
- Effective range ground 700m, air 1000m
- Weight 640g
- Dimensions 132 x 152 x 50 mm
- Operating time 3.5 Hrs. (dry cell batteries)

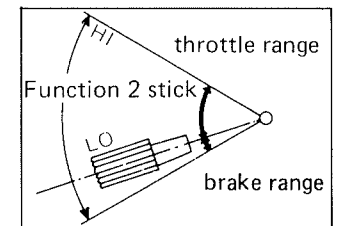
### • ELEVATOR

This mode is selected by switching the multi-function switch to the upper position.



### • THROTTLE/BRAKE

This mode is selected by switching the multi-function switch to the lower position.



## ③ TRANSMITTER LAYOUT

### • BATTERY VOLTMETER

Meter indicates condition of transmitter batteries. With the transmitter operating, should the meter needle drop into the red region the transmitter batteries should be replaced as soon as possible.

### • TRANSMITTER ANTENNA

Antenna must be fully extended at all times during operation of R/C system.

### • CARRYING BAR

### • FUNCTION 2 CONTROL STICK

### • FUNCTION 2 TRIM LEVER

### • MULTI-FUNCTION SWITCH

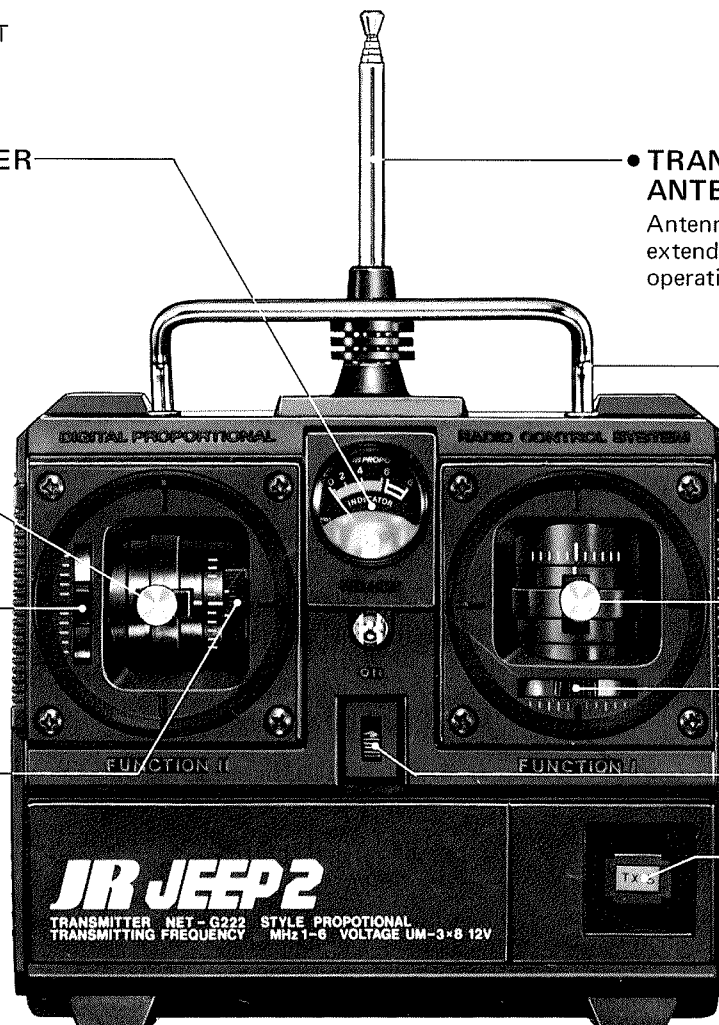
### • FUNCTION 1 CONTROL STICK

### • FUNCTION 1 TRIM LEVER

### • TRANSMITTER POWER SWITCH

### • INTERCHANGABLE CRYSTAL

Channel changing is easily accomplished by plugging in crystals for the frequency required. Use only original JR crystals.

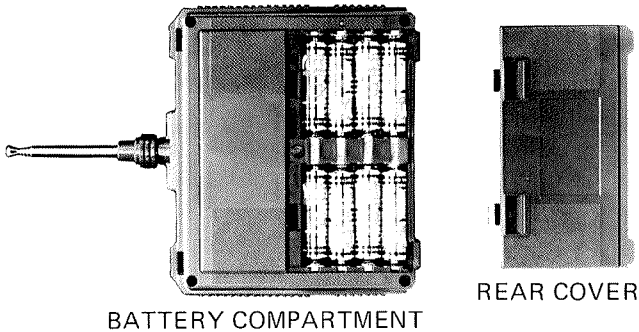


**JR JEEP 2**

TRANSMITTER NET-G222 STYLE PROPORTIONAL  
TRANSMITTING FREQUENCY 29MHz-6 VOLTAGE UM-3x8 12V

#### ④ BATTERY REPLACEMENT

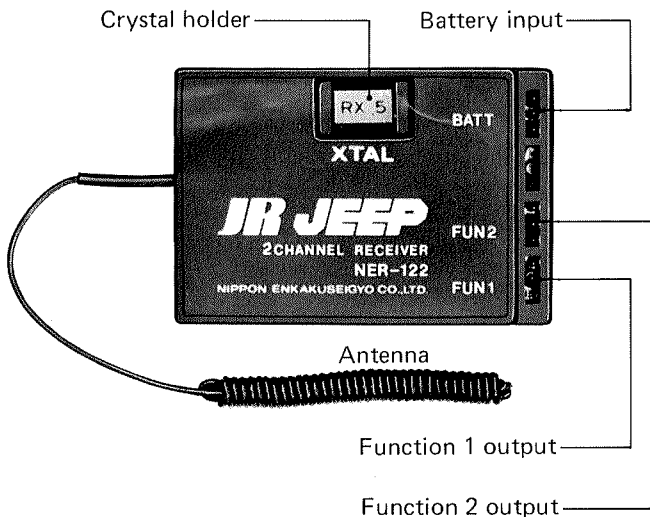
- Load 8 UM-3 batteries into the area provided in the rear of the transmitter case.  
This battery case is of a superior design as the batteries will not spring out during reloading.  
Be sure to load batteries in the directions indicated.
- The slip proof areas on both edges of the battery case cover provide a firm grip and permit rapid removal and replacement of this cover.  
The non-slip ribs on both sides of the transmitter ensure that the transmitter can be held firmly at all times.



#### MULTIPLE TRANSMITTERS

When operating in an area where other radio control transmitters are in use, ensure that other transmitters on your frequency, are switched off before attempting to operate your model.

### 3 RECEIVER



#### ① NER-122 Specifications

A high quality receiver of superior design, employing the well proven JR principle of AM-AL (amplitude limited).

- Type AM-AL system, 2 function
- Sensitivity 20uV/meter
- Battery requirements UM-3 x 4, 6V
- Dimensions 19.5 x 40 x 60mm
- Weight 39g
- Operating time 12 x 10 minute flights
- Receiver antenna length 1 metre

The receiver should always be operated with its antenna fully extended, do not shorten the antenna as this will reduce the operating range.

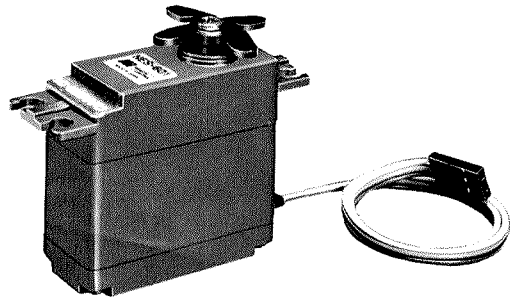
### 4 SERVO

#### ① NES-601 Specifications

This servo incorporates many advanced features, providing high performance and reliability. Heavy duty gears and a bushed output shaft employed. 3 wire positive pulse system.

- Output power 3.5Kg/cm
- Battery requirements UM-3 x 4, 6V
- Voltage operating range 4-6V
- Weight 40 g
- Dimensions 42 x 20.5 x 43mm
- Operating time 12 x 10 minute flights

As individual operating conditions vary greatly, the figure above can be used as a basic guide only. You must determine your systems operating time from a set of batteries.



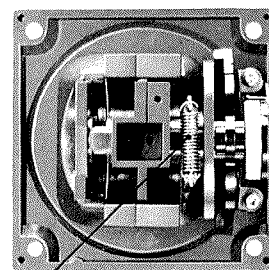
#### NES-601 SERVO

All servos will provide many years of trouble free service if a little care is exercised. Always treat servos carefully and try to keep oil away from them.

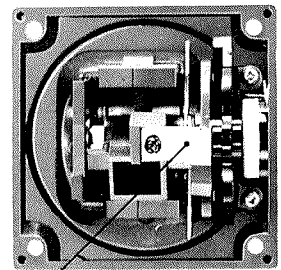
### 5 THROTTLE FACILITY

Function 2 on the transmitter can be changed to provide a non-self centering action for throttle applications.

1. Remove rear cover of transmitter.
2. Remove centering spring on function 2 stick and replace with drag plate. (Drag plate and screw in accessory packet.) Replace rear cover of transmitter.



Centering spring

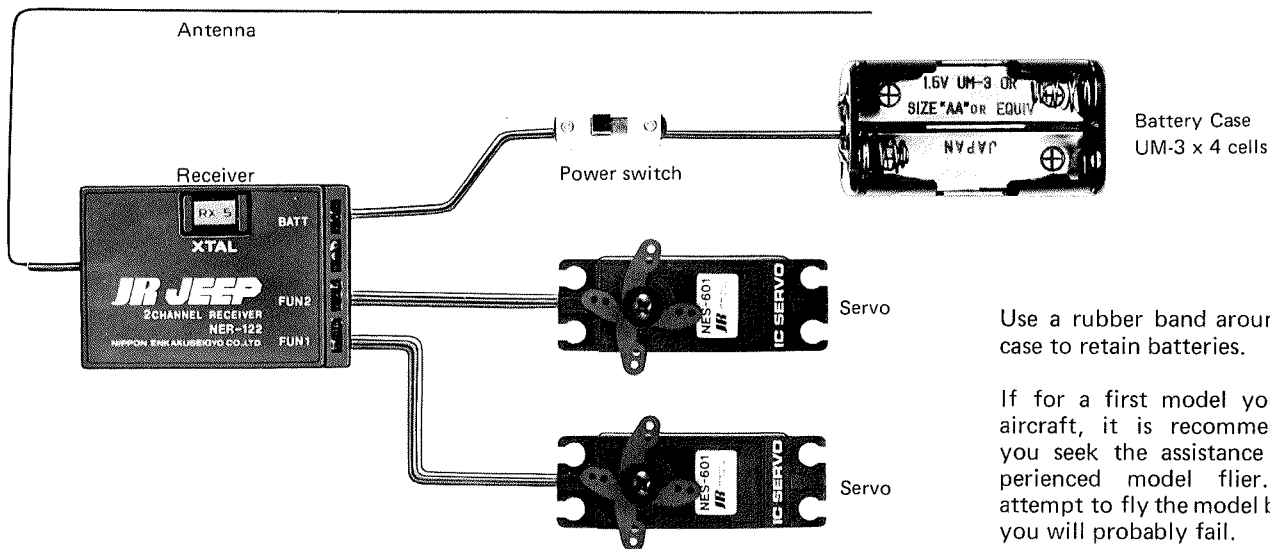


drag plate

## 6 OPERATING GUIDE

### ① Beginners

If you are a beginner at radio controlled modelling it is most important that you carefully read this manual before attempting to operate your R/C system. Pay particular attention to the section covering installation of the system.



### ② Installation Hints

1. It is important that the radio system be correctly installed in your model.
2. Wrap the receiver in foam rubber (3mm thick or greater), NOT foam plastic, for added protection.
3. Cut rubber vibration absorbers from sheet provided and fit to servo mounting lugs. Servos should then be mounted on either hardwood bearers or a plywood tray with the mounting screws provided. Do not over-tighten screws.
4. Both servos must be able to move freely over the full range of their travel, make sure that linkages do not impede either servo. A stalled servo will drain the battery pack within a few minutes.
5. As the output shaft of the servo is splined, the servo output arm can be adjusted for the correct central position.
6. In the case of powered model aircraft, mount the receiver power switch on the opposite side of the fuselage to the muffler, this protects the switch from oil. With other types of models mount the switch in the most convenient position. Make sure that the switch operates freely, and is capable of travelling its full distance.
7. Range check. With your model sitting on the ground, and with the transmitter antenna collapsed, check that your system works at a distance of 5 metres.

## 7 CONNECTORS

### ① Connector specifications

The connectors used in the JR JEEP-2 system are a high quality component of the PV (permanent virgin) type. They employ a special mechanically wrapped 3 point spring housing contact system. Through careful design JR plugs are self cleansing, the more the plug is used the cleaner it becomes.

### ② Connector usage

The connectors are polarised, that is, they will only plug in the correct way. When unplugging leads from the receiver it is recommended that you grip the lead 5-10cm from plug, a light pull is all that is required to unplug the lead.

## 8 SERVICING

Should your system require servicing please follow the instructions given below, this will ensure rapid service.

1. Return system only, not your complete installation, remove padding from receiver and battery pack, remove servo from their mounts or trays.
2. Return system in its original box, if this is not possible carefully pack your system in a strong cardboard box.
3. Included a brief, but thorough, explanation of all problems and servicing required.
4. Be sure to include your name, address and post code.
5. All postage, freight charges and insurance charges must be paid by the owner.

### FACTORY REPAIR SERVICE

Return your system to:

Radio Control Service Department,

### JR GUARANTEE

Your new JR JEEP radio control system is guaranteed against defects in workmanship and materials for ONE YEAR from the date of purchase, when the enclosed registration card is filled in and returned to us within ten days of purchase.

This guarantee is null and void if this radio control system has been improperly handled, damaged in a crash or tampered with. This guarantee does not cover any damage caused to the radio control system by the use of improper voltages.

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