

THE **CANNON** Gran Prix

FINEST!

Made In U.S.A.



\$379.95
6 CHANNELS
ANY FREQUENCY
(2-STICK)

*AVAILABLE IN SINGLE STICK
MODEL AT \$17.50 ADDITIONAL

BE A CONTEST FLYER--OR FLY LIKE ONE !

The Gran Prix System was designed to provide maximum possible operational reliability. Each component has been carefully chosen as best for its own function, as well as to complement the other components in that circuit. Each part is operating well below rated capacity to provide an overload safety margin much greater than will ever be encountered.

Utmost care is exercised in assembly of the Gran Prix System. Only the most experienced assemblers and technicians ever work on this equipment. Each printed circuit board is inspected several times during construction and final assembly. Perfection is our minimum requirement. Batteries are cycled both before and after construction of the system. The same meticulous care and attention to detail are followed during construction and test of every portion of the Gran Prix System.

After completion, the entire system receives a minimum of four hours of actual operation to stabilize all components by "Burning In". After the "Burn In" operation the system is rechecked for peak tuning and calibration, then given a minimum of thirty minutes actual flying time "in the air", verified by a Flight Certificate.

Only after the system has proven its merit by flawless flight test is it shipped to the customer. Upon receiving your system, all that is necessary to do is install it in your plane, charge the batteries, and fly with full CONFIDENCE that you have the finest R/C system available, REGARDLESS OF COST.

The "solid as a rock" control response and superior ability to reject noise, ignore spurious signals, and fly through the heaviest interference, is the reason that we can offer the industry's first 120 DAY WARRANTY.

NEW !

**D & R OPEN GIMBAL STICKS
ADD \$15.00.**

GUARANTEE

Cannon Electronics, Inc. guarantees the Gran Prix R/C system against defects in workmanship and materials for a period of 120 days from date of purchase, provided the equipment has not been tampered with or misused.



15 FEBRUARY 1973

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WRITE FOR COMPLETE BROCHURE

MODEL 540(GP) GRAN PRIX

Proportional Control System

SYSTEM FEATURES

1. Both Transmitter and Airborne battery packs have diodes installed to prevent failures due to open or shorted cells.
2. External shock-proof transformer type charger.
3. Gold plated connectors.
4. Extremely powerful servos.
5. Retract landing gear switch standard.
6. Buddy box is standard.
7. Optional cube 550 mah battery pack, or 225 ma fast charge pack.
8. Light colored vinyl covered transmitter case to reflect heat and provide cooler operation.
9. Airborne system weight 12.5 oz.
10. Each system operated a minimum of four hours plus at least 30 minutes of actual flying before being shipped.
11. External flight battery charge plug standard.

Complete System

The complete system consists of: Transmitter, Receiver. Airborne battery pack, switch harness, charger, four Servos with dual linear as well as rotary outputs, and servo mounting trays.

Transmitter Features

1. High Power Output
2. Training system standard
3. All silicon circuitry
4. Meter indicates R. F. output and battery condition
5. Switch guard to prevent accidentally turning on or off
6. Molded antenna connector
7. Laced wiring harness
8. Super Precision Bourns Pots on precision gimbals
9. Slant-tenna for optimum signal radiation pattern

Transmitter Specifications

1. Power - 9.6V 500 ma rechargeable ni-cad battery pack
2. Voltage stability - full control to below four volts
3. R. F. Input - 1.2 watts 27 MHz .6 watts 53 and 72 MHz
4. R. F. Output - 750 MW 27 MHz 350 MW 53 and 72 MHz
5. Current drain 130 ma
6. Operating temp. range - 0° to 160° F
7. Frequencies - all 27, 53 and 72 MHz

Receiver Features

1. All silicon circuitry
2. Double-tuned FET converter stage for superior overload and cross-modulation characteristics.
3. Three narrow bandpass I. F. stages, plus crystal filter, with negative feedback for excellent stabil-

ity without using neutralization circuits.

4. Exclusive 2-stage AGC circuit that follows large, rapid changes in signal strength. Cannot be overloaded even when the Transmitter and Receiver antennas are touching.
5. Protective silicon coating to prevent humidity effects and vibration failures.
6. Vinyl covered metal case for crash protection and R. F. noise shielding.
7. Integrated circuit amplification, timing, and decoder circuits.
8. Positive decoder outputs.
9. Extensive testing shows that selectivity of this receiver equals or exceeds that of other current state-of-the-art receivers.

Receiver Specifications

1. Sensitivity - 3 microvolt for solid control (4.8V)
6 microvolts for solid control (3.6V)
2. Temp. range - 0° to 160° F
3. Current drain - 32 ma
4. Case size - 3/4" x 1-5/8" x 2-3/8"
5. Weight - 2.2 oz

Servo Information

1. All silicon circuitry
2. Thirteen transistor amplifier incorporates dual Schmitt triggers to operate the bridge output transistors as saturated on-off switches. The output transistors cannot be damaged, even when the servo is stalled indefinitely.
3. High reliability 8 ohm motor designed especially for radio control applications, features improved brush and commutator.
4. Each servo is factory adjusted for correct travel.
5. Amplifier is silicon-coated to prevent failure due to vibration or high humidity.

Servo Specifications

1. Outputs - dual linear and rotary
2. Travel - 5/8 inch linear, 80 degrees rotary
3. Size - 7/8 x 1-7/16 x 1-3/4 inches
4. Weight - 1.5 oz
5. Thrust - over 4 pounds
6. Transit time - 0.3 second
7. Centering accuracy - ±0.5%
8. Temp. drift - unmeasurable
9. Voltage drift - unmeasurable
10. Construction* - 2 deck with discrete components

*This or any other Cannon servo also available as an option with new 1973 Integrated Circuit chip circuitry. No difference in price.