

INSTRUCTIONS FOR MIN-X RECEIVER

MODEL SRC-1 COMPACT

MODEL SRCC-1 COMPETITION CONVERTIBLE

INTRODUCTION

This Min-X receiver represents the end result of a long design and development program. Min-X has been a pioneer in the development of all transistor equipment and we feel this is one of the finest units available today. If you, the user, will put as much care into the installation and handling of the receiver as we have put into its manufacture, we know you will be rewarded with performance unsurpassed.

PERFORMANCE AND TUNING

Every receiver is performance checked to rigid specifications before being shipped. Each unit is individually range checked at 1500 feet and tuned to the frequency stamped on the end of the box. The relay is adjusted to give proper pull in and drop out and the contacts are checked to see that proper closure is being made.

As unpacked, the receiver is ready for installation and flying. This receiver can be operated by any tone transmitter that emits a 350 to 1000 cycle tone, with 90 to 100% modulation. Maximum performance will be obtained by the use of the Min-X Powermaster (Model T-2) Transmitter. If your transmitter is of the same frequency the receiver is tuned to, nothing beyond an operational range check will be required. Retuning should not be necessary. Factory test receivers have gone for as long as two years without adjustment.

Of course if your transmitter is of a different frequency than the receiver is adjusted to, then re-alignment of the receiver will be necessary. The following procedure should be followed: A high impedance ear phone (2000 ohms or higher) should be connected into the circuit as illustrated on the wiring hook up; have an assistant handle the transmitter; move approximately 500 feet away and turn the receiver on. A hissing noise should be heard and must be present before any tuning adjustments are attempted. Signal for the transmitter to be turned on and keyed. With a proper tuning tool (a hex shaped plastic wand available from most hobby dealers or radio supply houses) inserted in the slug, rotate the slug to the left or right slowly until the tone is heard. Usually no more than $\frac{1}{4}$ turn either way from the factory adjustment will be required. The tuning adjustment is sensitive; handle it carefully. Do not run the slug from the top to the bottom of the coil form at random. If the signal cannot be tuned in, further checks of both receiver installation and transmitter operation are required.

Assuming all has gone well to this point, move another 500 feet away and repeat the tuning procedure. You will find the spot that the receiver tunes at now is very sharp. The receiver will hold its tuning over a wide range of temperatures and battery voltages. It is a wise R/C man who range checks before each operating session but it is also a wise man who does not re-tune unless it is necessary.

MODEL SRC-1 COMPACT

Operating voltage: 3 volts. Minimum 2.4 volts, maximum 3.2 volts. Idle current 4 to 6 M.A., signal on 20 to 28 M.A. Relay pull in: 16 M.A. Relay drop out: 13 M.A. Operating temperature 20° to 130°. Arc suppression on the normally open contacts of the relay is factory installed. Average battery life on two standard pen cell batteries is in excess of 70 hours. The receiver is not affected by electrical noise and is ideally suited to pulse proportional applications. We do not recommend operating the receiver from the same set of batteries as the escapement or Servo. Separate batteries will give best performance.

MODEL SRCC-1 COMPETITION CONVERTIBLE

Operating Voltage: 6 volts. Minimum 4 volts, maximum 6.3 volts. Idle current: 7 to 9 M.A. Signal on 42 to 50 M.A. Relay pull in 30 M.A. Relay drop out, 20 M.A. Operating temperature 20° to 130°. Arc Suppression is factory installed on both normally open and normally closed relay contacts. Normal battery life on four standard pen cells is in excess of 90 hours. The receiver is not affected by electrical noise and is ideally suited to pulse proportional applications. In most installations a common set of batteries may be used to power both receiver and actuator. With some particularly noisy servos a separate set of batteries may be required. Only individual experimentation will indicate the best set up. This receiver is very sharp in tuning and removing the case cover will cause detuning. All operational checks must be made with the cover in place.

PRODUCT GUARANTEE

The purpose of any guarantee is to assure the purchaser of a product that he will be satisfied with. Every effort by the manufacturer has been made to achieve this. end.

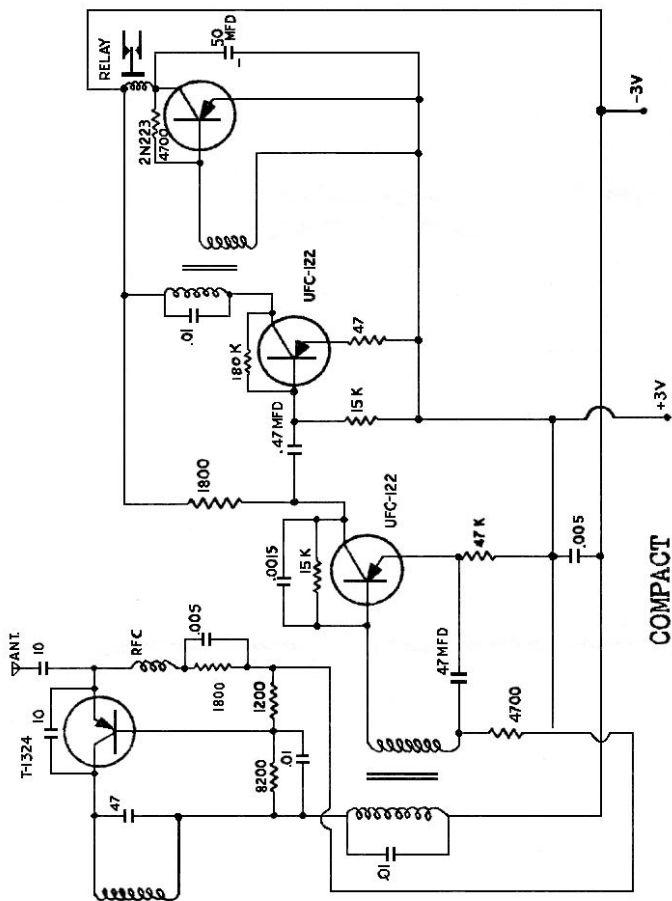
It is a reasonable assumption that when a product of the nature of Min-X Radio equipment has given satisfactory performance over a period of ninety days, it has been properly manufactured with suitable components correctly assembled and tested. Therefore, a ninety day limitation has been placed on free replacement or adjustment, under this guarantee. Malfunction of any product as a result of reversed voltage, physical damage or tampering is automatically excluded from protection of this guarantee.

The warranty slip included with this receiver MUST be on file before any requests for service will be recognized.

When returning a receiver for repair or adjustment it must be sent prepaid to the factory accompanied by a letter explaining the reason for return. All units should be adequately packaged to insure their safe arrival. We cannot be responsible for damage suffered in transit. A check or money order in the amount of \$1.50 should be enclosed to cover return postage and handling. Units not accompanied by a check will be returned C.O.D.

All service returns will be handled with all possible promptness.

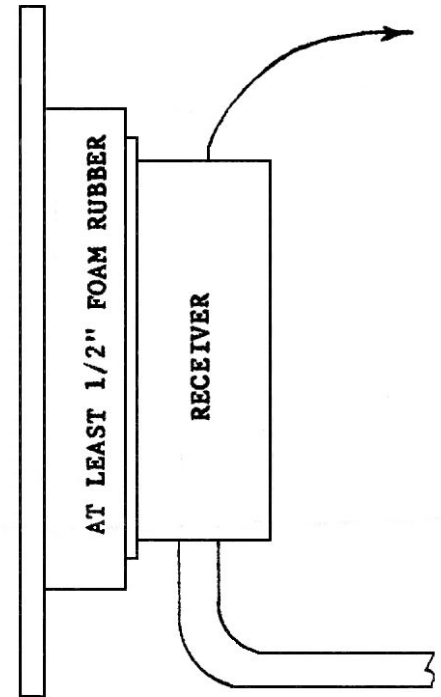
MIN-X RADIO, INC.
8714 Grand River Ave.
Detroit 4, Michigan



FUSELAGE TOP

RECEIVER ANTENNA
20 TO 24 INCHES

BULKHEAD



SUGGESTED METHOD OF RECEIVER MOUNTING.

WITH THE RECEIVER MOUNTED AT RIGHT
ANGLES TO THE THRUST LINE, IT IS
LEAST PRONE TO ENGINE VIBRATION
AND WILL OFFER MOST CRASH RESISTANCE

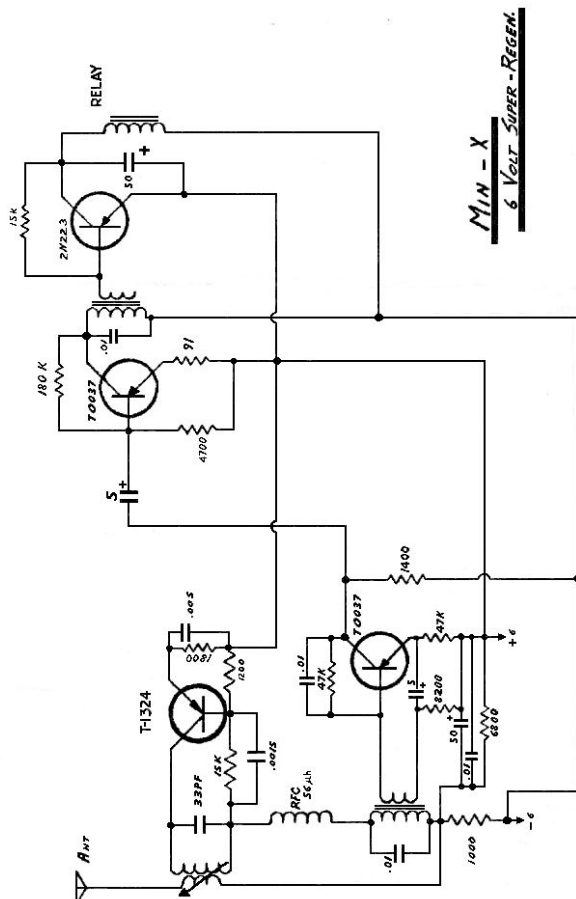
USE ONLY NUMBER 24 OR 26 MULTI STRAND WIRE
FOR ALL ELECTRICAL HOOK UP.

FREE DESCRIPTIVE LITERATURE ON THE COMPLETE
MIN-X LINE AVAILABLE UPON REQUEST.

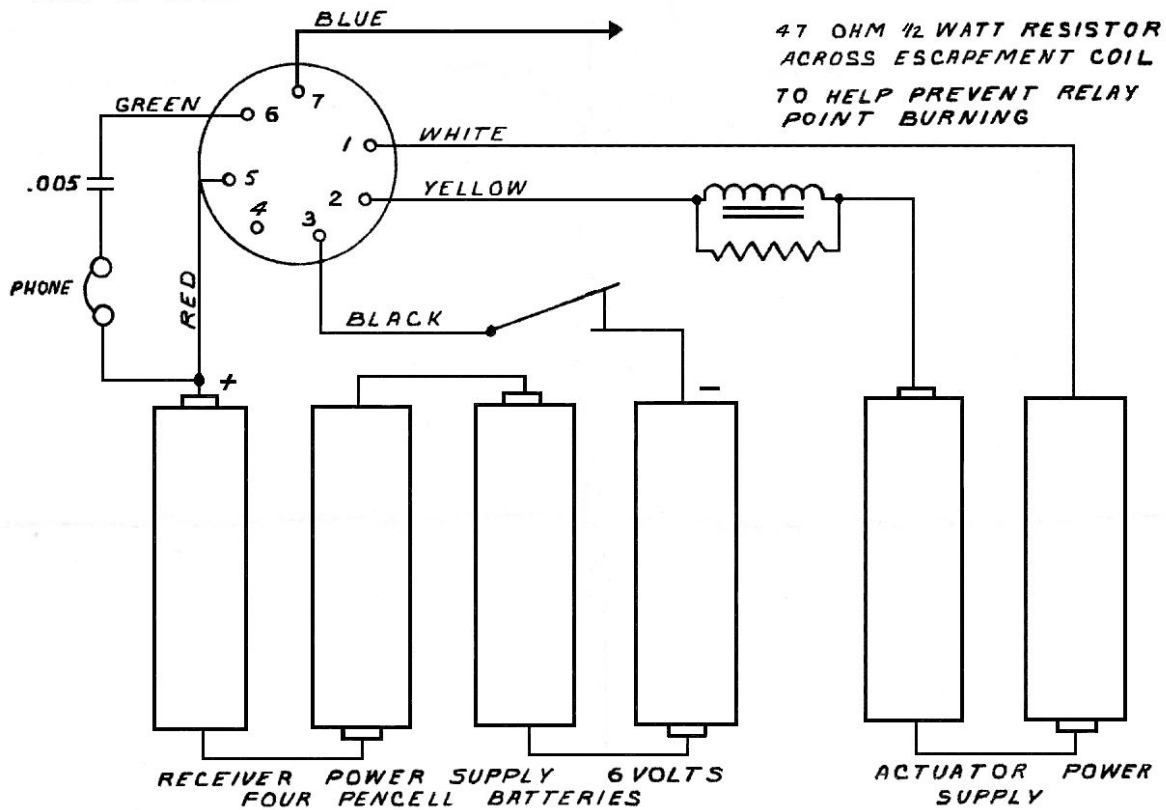
MIN-X

MIN-X RADIO INC. 8714 GRAND RIVER AVE.

DETROIT 4, MICHIGAN



VIEW OF SOCKET PINS WITH RECEIVER PLUGGED IN



COMPETITION CONVERTIBLE

WIRING DIAGRAM SHOWING
RECEIVER AND ACTUATOR
OPERATING FROM SEPERATE
POWER SUPPLIES.

RECEIVER ANTENNA SHOULD BE
20 TO 24 INCHES IN LENGTH.

