

# INSTRUCTIONS FOR MIN-X CAPRI RECEIVER

## MODEL SRC-1

### 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 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, or Powermite Model TT-1) 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: Use a proper tuning tool (a hex shaped plastic wand, available from most Hobby Dealers or Radio Supply Houses). Ask a fellow modeler to help you.

Remove transmitter antenna. Turn receiver and transmitter on and point transmitter antenna connector at receiver (approximately 3 feet away) key transmitter and tune receiver coil until relay pulls in - then move away from the receiver a couple of feet or until relay drops out and repeat tuning. This procedure should be repeated until the broadness of tuning becomes very sharp. ie. This will occur at maximum range and will be from 5 to 10 feet or more depending on ground and weather conditions. Do not attempt to keep tuning after this maximum range condition is reached. Periodic range checks should be made but it is not necessary to retune unless there is a radical change in the range compared with previous checks.

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Operating voltage: 3 volts. Minimum 2.4 volts, maximum 3.6 volts. Idle current 4 to 8 M.A., signal on 20 to 28 M.A. Relay pull in: 16 M.A. Relay drop out: 13 M.A. Operating temperature 0° 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.

### 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.

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

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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.

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Receiver antenna should be  
20 to 24 inches in length.

Suggestion  
Use a 47 ohm  $\frac{1}{2}$  watt resistor across escapement coil to help suppress arcing at relay

