



MICON JUNIOR

ALL TRANSISTORIZED 9 VOLT RECEIVER WITH RELAY

The Micon Jr receiver is a single channel tone unit fully transistorized and temperature compensated. The miniature size and light-weight of this receiver is ideal for small, compact radio control installations.

Full receiver protection is assured by the rugged plastic case. The Micon Jr Receiver will operate and is tuneable over all the new frequencies of 26.995 to 27.255 MC.

INSTALLATIONS

Familiarize yourself with your receiver before installing in your favorite model. Wire your receiver and get to know its operation and functions.

A mock-up of your installation, done on your workbench is ideal and will further guarantee trouble-free operation when final installation is made in your model.

Wire your Micon Jr receiver as shown in the diagram - study this diagram and your wiring so that no errors are made: the components will be damaged by reverse battery connections. ALWAYS double check ALL wiring before turning your switch to the "ON" position. This simple precaution applies to all electrical devices and will save you many dollars in repair costs.

When installing your receiver, it is important to keep all wiring neat and wires as short as possible. However, do not make the wires or cables so short as to impose a strained connection. Mount batteries, switch and meter jack firmly and away from areas which may become soaked with oil or fuel. USE ONLY ROSEN CORE SOLDER for making soldered connections and DO NOT use solid wire for hook up but rather a flexible stranded wire with a plastic insulation.

TUNING WITH A METER:

1. Double check your wiring, insert your 0-50MA D.C. meter into the closed circuit jack. Turn switch to "ON" position.
2. The meter will read approx. 3-10 MA with a slight needle fluctuation.
3. Turn your Tone transmitter (the new all transistor Micon Jr Sub-miniature tone transmitter or the 2 AP tone transmitter are perfect companions to the Micon Jr receiver) "ON" and the fluctuation (step 2) will stop. Have your transmitter at least 10 feet from the receiver or you may cause a "swamping" condition which will give erratic receiver response.
4. Key your transmitter and you will see a current rise on your receiver meter. It may be necessary to turn the frequency adjustment screw of the receiver in or out in order to obtain a maximum meter reading (maximum signal) of approx. 20 MA. Use a non-metallic insulated screwdriver or tuning wand for this operation.
5. Remove the meter and confirm the proper operation of your servo or escapement.

The above steps are adequate for initial tuning - final range check at a distance of 200' - 300' should be made.

If you wish to tune your receiver with the use of an earphone:

A. TUNING WITH THE USE OF EARPHONE:

1. With switches of both the receiver and transmitter in the "ON" position, separate the receiver from the transmitter by approx. 200 - 300feet.
2. Insert earphone into closed circuit jack and you should hear tone in the earphone.
3. With the tuning rod, turn the frequency adjustment screw in or out until the tone in the earphone is the loudest. At this point you will be tuned in for maximum signal and you are ready to fly.

The receiver relay is factory set and should not be tampered with unnecessarily.

The contact capacity is 6 volts D. C. at 1 ampere.

SUGGESTIONS :

1. Be sure batteries are fresh; check voltages under "load" conditions (when receiver is getting maximum signal), discard batteries if they read less than 7.5 volts.
2. Roll your receiver in $\frac{1}{4}$ " to $\frac{1}{2}$ " foam rubber before installing in receiver compartment.
3. Use the antenna full length. If it is absolutely necessary to shorten the antenna do not make it less than 18".
4. Keep your model and equipment clean.

SPECIFICATIONS

ALL transistorized (4 transistor) Super Regenerative detector circuit

Batteries: 9 volt Burgess 2U6 or equal; 6 - 1.5V pen cells

Burgess Z cells or equal may also be used.

Battery Drain: No Signal Approx. 4MA

Carrier "ON" Approx. 3MA

Tone "ON" Approx. 20MA

Audio Tone Frequency ... Approx. 400-1000 cycles

Weight 2 ozs. (with alum. case)

Color code of wiring:	Black	9V Minus
	Red	9V Plus
	White
	Brown
	Blue	Earphone

Wiring of ARISTO CRAFT MR-6 Receiver

