

Model RM-940 Infrared ray microphone system.

The RM-940 Infra-red ray mike system promisses you safty drive even on a jam-packed high way. The pendant-look microphone provides the comfort of hands-free operation.

No spurious radiation or no interference from other appliances, because the RM-940 utilizes the benefit of infra-red ray link. You can enjoy real consistent operation.

Specifications.

	<u>CONTROL UNIT RM-940</u>	<u>Mike unit M-9</u>	<u>Sensor unit S-9</u>
Freq. responce	300 Hz — 3 kHz -3 dB	250 Hz — 3 kHz	
Power consumption	13.8V DC. 80 mA (operation) 90 mA (charging)	2.5V DC, 30 mA	
Continuous operation time		5 hours minimum. (with fully charged battery)	
S/N ratio	Better than -43 dB		
Amplitude ratio	1:1		
Dimensions (m/m)	90W x 25H x 122D	20W x 140H x 24D	32W x 20H x 25D
Weight (g)	380	50	30
Active device	10 TRs 4 ICs 10 Diodes 3 LEDs	4 TRs 2 LEDs	2 Diodes

Connections

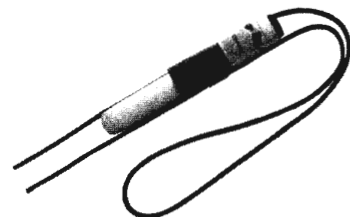
1. Connect the plug (Q) to mike socket of your transceiver.
2. Set up the Sensor to an appropriate position near the room-mirror as shown in fig.2. One sensor will be enough for normal operation. You can install the other sensor for more versatile operation.
3. Plug-in the plug (U) of the sensor to the rear socket of control unit as in fig.1.
4. Stick four Velcro pads under the dash board of your car for fitting the Controller unit. Attach the Controller unit with Velcro pads, then.
5. Connect the black and red leads from the Controller unit to the battery of your car, DC 12V.

Options.

Wind shield F-4.

Sensor S-9

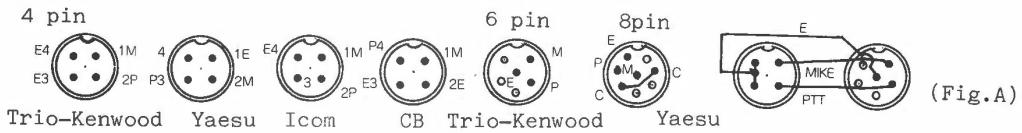
Microphbne M-9



WIRING

Six kinds of output plug connection are available as your choice; Four pin-Trio Kenwood, Yaesu, Icom or CB gears, Six pin-Trio Kenwood or Eight pin-Yaesu. (The pin connection is designated on the carton box.)

An adaptor for 4P to 6P (Trio Kenwood)



It is essential that your transceiver input connector wiring be compatible with the wiring of the output connector on the RM-940. If not, they can be handled two ways.

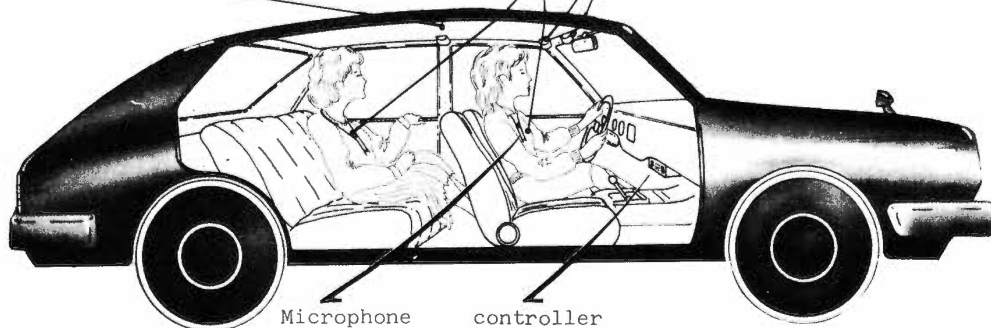
1. Make up an adaptor similar to fig.A, if you do not wish to modify the present wiring.
 2. Rewire the output cable connector of the RM-940.
- We would like to suggest that the color-codes of the wires be recorded before modification.

HOW TO USE THE RM-940

Sensor mounted for rear seat operation

Microphone (M-9) hung your neck just like a pendant. It should be set about 10 cm (4 inches) from your mouth

The set position of a sensor is suggested to be near the room mirror or on the left corner.



"PEE" sound will be heard when the microphone is turned on.

Please make a habit to plug in the microphone to a controller for charging whenever not in use.

Automatic shut-off when full-charged.

LED charging indicator blinks when nearly full-charged and goes out when completely full-charged.

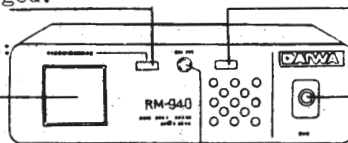
NOTE! The charging is always possible regardless of LINE switch position.

Model RM-940 The Controller.

(A) LED charging indicator: The LED lights on when charging. It blinks when nearly full-charged and goes out when completely full-charged.

(D) LINE indicator: The LED lights on when power switch on.

(B) Mike charging socket: Plug-in the microphone M-9 for charging.



(C) On the air indicator: The LED lights on when transmitting.

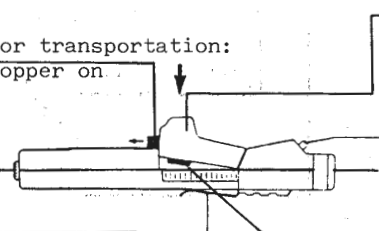
(E) LINE switch: ON: Power is ON and LINE indicator (D) lights on.

Model M-9 The Infrared ray-Microphone.

(F) Safety stopper for transportation: Please remove the stopper on the operation.

(I) PTT Switch: Switch is ON when push the switch to "Arrow's direction". Push the switch again with same manner, then it is turned off.

(G) Charging connector:



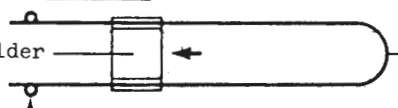
(J) LEDs
(K) Mike element.

(H) Microphone hook: Hook up on microphone holder (M).

(L) Stand-by mark: The mark appears when microphone switch is OFF.

The Microphone holding string.

(M) Microphone holder



(N) String: Microphone M-9 is to be hung from neck just like a pendant.

Knots at the both ends of string are suggested for preventing the microphone M-9 from falling down.

The Controller (rear panel).

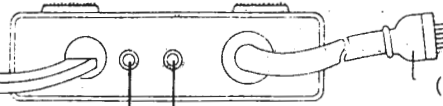
DC power leads.

Velcro pads.

(-) Black lead

(+) Red lead

Fuse (0.5A)



(Q) Output plug: Connect to mike socket of a transceiver.

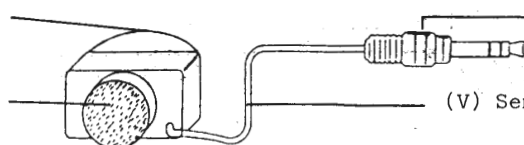
(R) Sockets for sensors: Plug in a plug of sensor (U).

The Sensor. Model S-9.

(S) Surface of a sensor.

(T) Velcro pad.

(X) Velcro pad: Stick on near the room mirror.

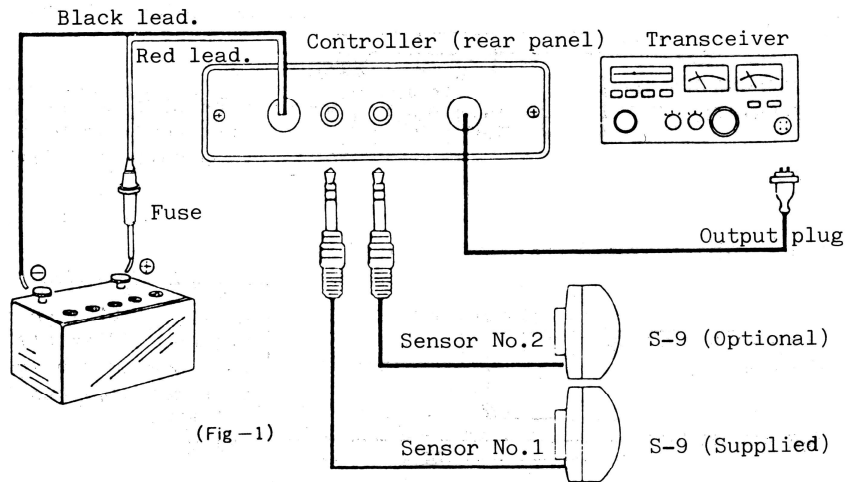


(U) Sensor plug.

(V) Sensor cable.

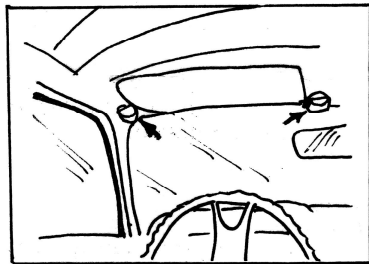
(W) Velcro pad: For fixing the sensor cable.

Connections.

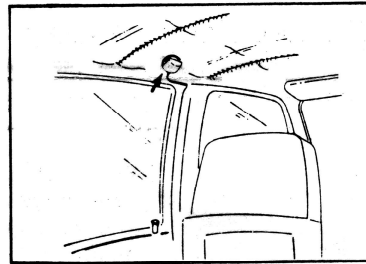


(Fig-1)

1. A reference figure for sensors setting. 2. A reference figure for setting a sensor for rear sheat.

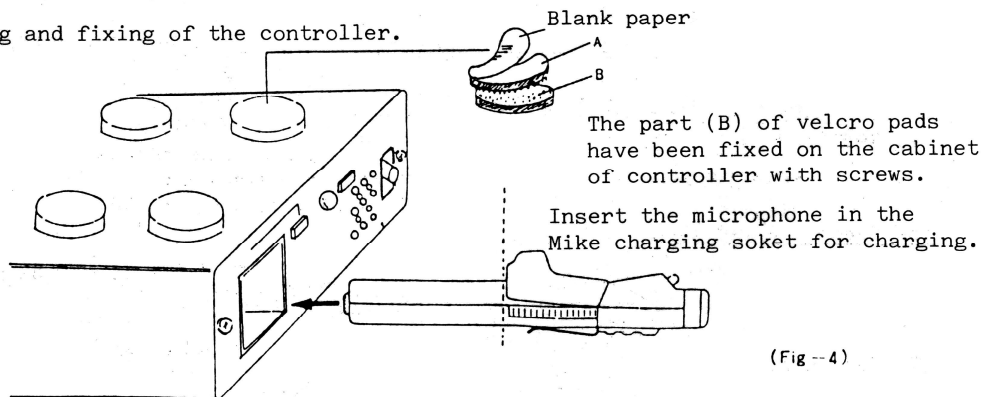


(Fig-2)



(Fig-3)

Charging and fixing of the controller.



(Fig-4)

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