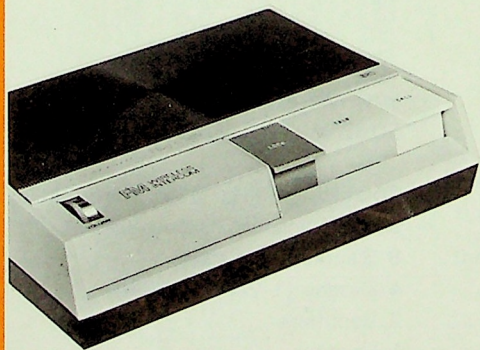


FM WIRELESS INTERCOM




OWNER'S MANUAL

PLEASE READ BEFORE
USING THIS EQUIPMENT

REALISTIC[®]

Cat. No.
43-212

CUSTOM MANUFACTURED FOR RADIO SHACK  A DIVISION OF TANDY CORPORATION

Your REALISTIC FM WIRELESS INTERCOM is a 2-unit, wireless, solid-state intercom system. The solid-state circuit is all-silicon for minimum power consumption and maximum life; 8 transistors and 1 zener diode are used, plus 5 diodes (including 2 power rectifiers). Since the circuit system is FM, it is not affected by line-noise and interference—it remains silent until a call or message comes through. It's simple to operate and install—just plug them into a source of 120 volts (220/240 volts 50 Hz where the sets are so marked on the rear) AC and you're ready to use them.

FEATURES

- FM Modulation system by varicap diode
- Built-in Squelch circuit
- Lock Button for "hands-free" long transmissions
Example: baby sitting, dictation, monitoring
- Lighted TALK bar

SPECIFICATIONS

Power Output:	300 mW at 1 kHz (with 10% THD)
Signal-to Noise Ratio:	50 dB at 7 mV input
Transmitting Section	
Frequency:	200 kHz \pm 1 kHz (193 kHz \pm 1 kHz)
RF Output Power:	55 mW across 10 ohm load
Semiconductor Complement:	8 Silicon Transistors
	4 Diodes (1 Varicap Diode)
	2 Rectifiers
	1 Varistor
Power Requirements:	120 Volts, 60 Hz, AC, 8 Watts Max. (220/240 VAC, 50 Hz, 8 Watts Max.)

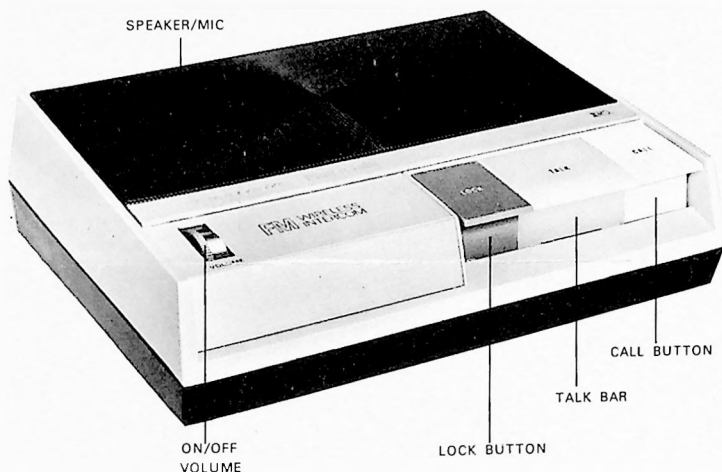
RADIO SHACK LIMITED WARRANTY

This equipment is warranted against defects for 90 days from date of purchase. Within this period, we will repair it without charge for parts and labor. Simply bring your sales slip as proof of purchase date to any Radio Shack store. Warranty does not cover transportation costs. Nor does it cover equipment subjected to misuse or accidental damage.

This Warranty gives you specific legal rights and you may also have other rights which vary from state to state

We Service What We Sell

CONTROLS AND FUNCTIONS



INSTALLATION AND OPERATION

These units can be located almost anywhere in a house, office or shop, as long as there is an AC outlet conveniently available.

Determine the best location for the intercom units and plug each into AC outlets (120 volts, 60 Hz or 220/240 volts, 50 Hz where the sets are so marked on the rear).

Adjust VOLUME control to click "on" and set to about "3". To talk, press TALK bar and speak in a normal voice from arm's length (or less if desired, but not less than 3-5" (7 x 13cm) from the speaker/mic). At the receiving station, adjust VOLUME as desired.

To call a station, press and release CALL button; this produces a tone in the other unit and thus signals a call is ready. When the other station answers, press TALK and proceed with your message.

For long messages, press LOCK button down. This locks-in the Talk function for hands-free operation. To listen, press TALK bar to release the LOCK button.

The LOCK position is handy for use as a "baby sitter" or other monitoring functions, or for long periods of dictation. Thus, you can set one unit to LOCK and then listen from another unit.

OPERATIONAL NOTES

Additional intercom units can be added to the system if you want; however, they must be of the same type (other types of wireless intercoms will not work with this FM system).


These intercoms can be installed anywhere in the house, office or shop, as long as they are all connected to the same power line distribution transformer. Practically all residential and many commercial locations meet this requirement. Do not operate them too close together, or feedback between units will cause squeal.

Units can be separated up to about 300 feet (90m), as long as the AC line is connected to the same side of the power distribution transformer. Thus, they may operate between adjacent homes, assuming their power comes from the same distribution transformer.

If communications is distorted, it may be you are talking too close to the speaker/microphone. Speak in a normal voice 1-3 feet (30-90cm) from the intercom for best results.

An adjustable squelch control is accessible through a hole in the back of the case. For normal conditions, no adjustment is required (the factory setting will be adequate). However, for optimum results, especially in very quiet or very noisy locations (electrical noise), adjust squelch as follows:

With the unit plugged in and no signal, adjust squelch with a small screwdriver until a hiss is heard. Slowly turn in the opposite direction to the point where the hiss just ceases. This is the optimum setting for your location.

RADIO SHACK  A DIVISION OF TANDY CORPORATION

U.S.A.: FORT WORTH, TEXAS 76102
CANADA: BARRIE, ONTARIO L4M 4W5

TANDY CORPORATION

AUSTRALIA

280-316 VICTORIA ROAD
RYDALMERE, N S W 2116

BELGIUM

PARC INDUSTRIEL DE NANINNE
5140 NANINNE

U K

BILSTON ROAD, WEDNESBURY
WEST MIDLANDS WS10 7JN