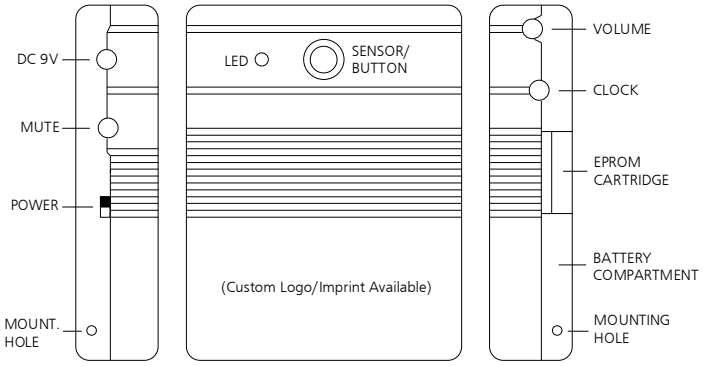
Self-Talker IR1000A/IR1000AP User's Guide

IR1000A = with built-in motion sensor
IR1000AP = with built-in push button

PANEL DESCRIPTIONS

DC 9V: Use a 9V/200mA DC adaptor with a 2.1mm center-positive coax plug.
MUTE (IR1000A only): Pressing this button will disable the sensor for about 10 minutes.
POWER: Power ON/OFF switch.
LED: Lights up when motion is detected (IR1000A) or when the push button is depressed (IR1000AP).
SENSOR/BUTTON: Motion sensor or push button.
VOLUME: Volume control for the internal speaker.
CLOCK: Sampling clock adjustment.
EPROM CARTRIDGE: Contains the EPROM chips.
BATTERY COMPARTMENT: Use 4 "D" cell batteries.
MOUNTING HOLE: Two on the side and two on the back of the unit.



OPERATION GUIDE

ASSEMBLING THE CARTRIDGE

Install EPROM chips into the cartridge. There is a bag of screws in the battery compartment. Be carefully not to put the chips backwards. The notch on the EPROM chip should always face upward. If you are using 512K EPROMs, align the chip with the bottom of the socket. Put the first (or the only) EPROM in U1 and the second one in U2. Refer to the Cartridge Jumper Table and set the jumpers properly.

TESTING THE UNIT

Use either a 9V DC adaptor or 4 "D" cell batteries to power the unit. Turn on the power and play the message. For the IR1000A, wait about 3 minutes for the sensor to warm up. For the IR1000AP, press the button momentarily. Adjust the CLOCK speed if the message sounds too fast or too slow.

If the unit does not play, make sure the power is turned on and the volume is turned up. If the message does not play from the beginning, check the EPROM jumpers.

ABOUT THE MOTION SENSOR (IR1000A only)

The IR1000A's motion sensor takes about 3 minutes to warm up. Its detection range is from 3 to 10 feet, 45 degrees from center. After each playback, there is a 15-second inhibit period for the sensor to avoid constant triggering in high traffic area.

Avoid pointing the motion sensor directly toward sunlight or a heat source. Do not block the sensor with any object or it may not work properly.

To adjust the sensor's detection range, open the unit and locate the sensor board inside the unit. The one and only trimmer on the sensor board is the detection range adjustment. Turning it clockwise will decrease the detection range.

PHYSICAL DIMENSIONS

Approximately 7.75" (L) x 6.5" (W) x 1.75" (H).

EPROM CARTRIDGE JUMPER TABLE

The following table is for cartridge version IR-1000E.

Message Length	EPROM Type	Number of EPROMs	Install Jumper on These Pins
512K	27C512	1 (U1)	1&2, 10&11
1M	27C512	2 (U1&U2)	2&3, 10&11
1M	27C010	1 (U1)	2&3, 11&12
2M	27C010	2 (U1&U2)	4&5, 11&12
2M	27C020	1 (U1)	4&5, 13&14, 2M
4M	27C020	2 (U1&U2)	5&6, 13&14, 2M
4M	27C040	1 (U1)	5&6, 14&15, 2M, 4M
8M	27C040	2 (U1&U2)	7&8, 14&15, 2M, 4M
8M	27C080	1 (U1)	7&8, 16&17, 2M, 4M, 8M
16M	27C080	2 (U1&U2)	8&9, 16&17, 2M, 4M, 8M

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