

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.

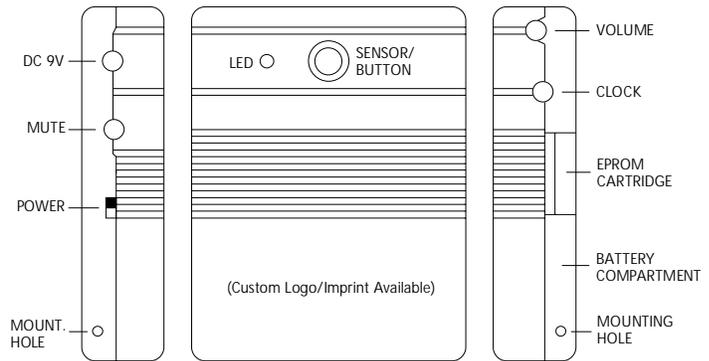
TESTING THE UNIT

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

Self-Talker IR2000BE/IR2000BEP User's Guide

IR2000BE = with built-in motion sensor

IR2000BEP = with built-in push button

PANEL DESCRIPTIONS

DC 9V: Use a 9V/200mA DC adaptor with a 2.1mm center-positive coaxial jack.

TAPE: Tape/CD player input jack (3.5mm).

REC/PLAY: Operation mode selection switch.

LED: Lights up when motion is detected (IR2000BE) or when the push button is depressed (IR2000BEP).

SENSOR/BUTTON: Motion sensor (IR2000BE) or push button (IR2000BEP).

POWER/VOLUME: Power ON/OFF switch with volume control.

MIC: Built-in microphone.

BATTERY COMPARTMENT: Use 4 "D" cell batteries.

MOUNTING HOLE: Two on the side and two on the back of the unit.

PHYSICAL DIMENSIONS

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

OPERATION GUIDE

RECORDING THE MESSAGE

Make sure the Rec/Play switch is in the PLAY position and turn on the unit. You should hear a test message which was recorded at the factory for testing purpose. Wait until it is over before proceeding to the next step.

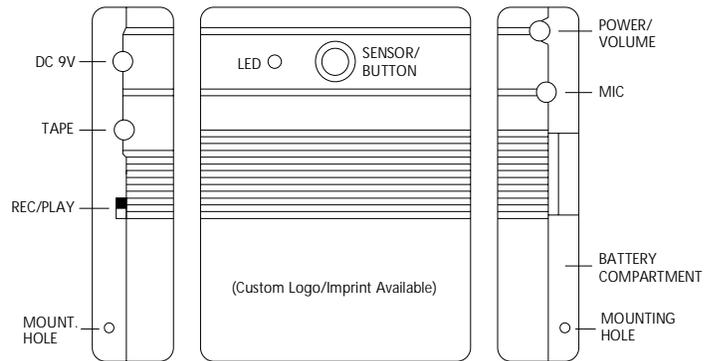
Move the Rec/Play switch to the REC position and start recording. The LED should be lit during recording. Maximum recording time is either 4 or 8 minutes, depending on how much memory is inside the unit. If the internal microphone is to be used to record, turn the volume down to avoid echoing.

Recording is stopped when maximum message length is reached or when the Rec/Play switch is moved back to the PLAY position. If the message is shorter than the maximum length, only the actual length will be played.

Once recorded, the message is stored in the memory permanently. There is no need for battery backup.

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 IR2000BE, wait about 3 minutes for the sensor to warm up. For the IR2000BEP, press the button momentarily.

If the unit does not play, make sure the power is turned on and the volume is turned up.

ABOUT THE MOTION SENSOR (IR2000BE only)

The IR2000BE's motion sensor takes about 2 minutes to warm up. Its detection range is from 3 to 10 feet, 45 degrees from center. To avoid constant triggering in high traffic area, the sensor is disabled for a period of delay after every playback. This delay period is factory set at 30 seconds, but you can change it yourself. Just open the case and re-configure the jumper setting for J3 and J4 according to the following table:

No delay: J3 = W1, J4 = W3

30 second delay: J3 = W2, J4 = W4 (default setting)

60 second delay: J3 = W2, J4 = W3

90 second delay: J3 = W1, J4 = W4

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.

If it's necessary to adjust the motion sensor's detection range, open the case 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.