

Self-Talker EP800A/EP800AP User's Guide

EP800A = with built-in motion sensor

EP800AP = with built-in push button

PANEL DESCRIPTIONS

ON/OFF & VOL: Power ON/OFF and volume control.

MUTE: For EP800A, pressing this button will disable the sensor for about 15 minutes, allowing store personnel to work nearby without being disturbed.

LED: Lights up when motion is detected (EP800A).

S: Motion sensor (EP800A) or push button (EP800AP)

ADJ: Adjusts the detection range (3 to 10 feet). Turning it clockwise decreases the detection range.

EPROM CARTRIDGE: Contains the EPROM chips.

BATTERIES: Use 4 "D" cell batteries.

SEC: Sets the sensor inhibit period after each playback. The number next to the jumper indicates the inhibit period in number of seconds.

DC: (on the back) Use a 9V/200mA DC adaptor with a 2.1mm center-positive coaxial plug.

SP: (on the back) 1/8" phone jack for external speakers.

CNT: (on the back) 1/8" phone jack for an external pulse counter to count the number of activations.

DIP SW: Sampling rate selection switch.

| | | | | | | |
|--|-----|-----|-----|-----|-----|-----|
| | 24K | 32K | 40K | 53K | 64K | 80K |
|--|-----|-----|-----|-----|-----|-----|

| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| SW1 | ON | OFF | OFF | OFF | ON | OFF |
| SW2 | ON | ON | OFF | ON | ON | OFF |
| SW3 | OFF | ON | OFF | OFF | OFF | ON |
| SW4 | OFF | OFF | ON | ON | ON | ON |

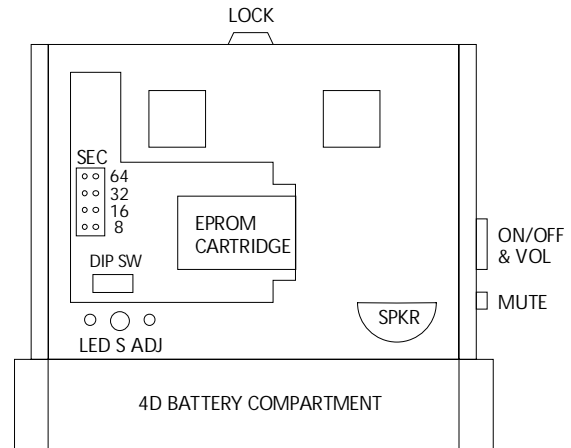
OPERATION GUIDE

ASSEMBLING THE CARTRIDGE

Install EPROM chips into the cartridge. 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 EPROM 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. Pry off the protection cap on the ON/OFF switch and turn power on. Do the following to test the message: for the EP800A, wait about 3 minutes for the sensor to warm up; for the EP800AP, press the



button momentarily. Adjust the sampling rate 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

The EP800A'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.

PHYSICAL DIMENSIONS

Approximately 10.25" (L) x 9.0" (W) x 1.75" (H).

EPROM CARTRIDGE JUMPER TABLE

| 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 EP800B/EP800BP User's Guide

EP800B = with built-in motion sensor

EP800BP = with built-in push button

PANEL DESCRIPTIONS

ON/OFF & VOL: Power on/off and volume control.

MUTE: For EP800B, pressing this button will disable the sensor for about 15 minutes, allowing store personnel to work nearby without being disturbed.

LED: Lights up when motion is detected.

S: IR motion sensor (EP800B) or push button (EP800BP).

ADJ: Adjusts the detection range (3 to 10 feet). Turning it clockwise decreases the detection range.

BATTERIES: Use 4 "D" size batteries.

COB: Specify how many memory chips are installed. Chips should be installed in the following order: U8, U9, U11, U10.

DC: (on the back) Use a 9V DC adaptor with a 2.1mm center-positive coaxial plug.

PH: (on the back) 1/8" mono phone jack for tape/CD (LINE) input.

LED: (on the back) Lights up during message recording.

SW: (on the back) REC/PLAY switch.

MIC: (on the back) Built-in microphone.

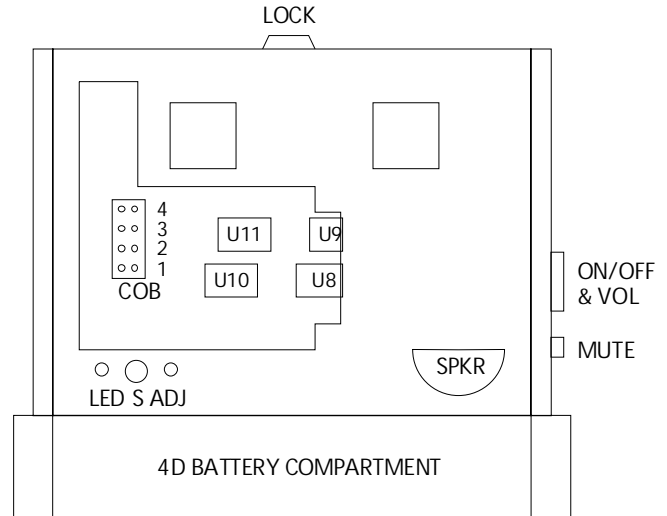
OPERATION GUIDE

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 ranges from 1 to 4 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. Pry off the protection cap on the ON/OFF switch and turn power on. Do the following to test the message: for the EP800B, wait about 3 minutes for the sensor to warm up; for the EP800BP, press the button momentarily.

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

PUTTING IN THE PICTURE

Unlock the front cover with the key provided. Put in the picture and replace the front cover. The picture size should be about 5.5" x 8.0".

ABOUT THE MOTION SENSOR

The EP800A'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.

PHYSICAL DIMENSIONS

Approximately 10.25" (L) x 9.0" (W) x 1.75" (H).

Self-Talker EP810 User's Guide

PANEL DESCRIPTIONS

1 - 10: 10 push buttons, one for each message.

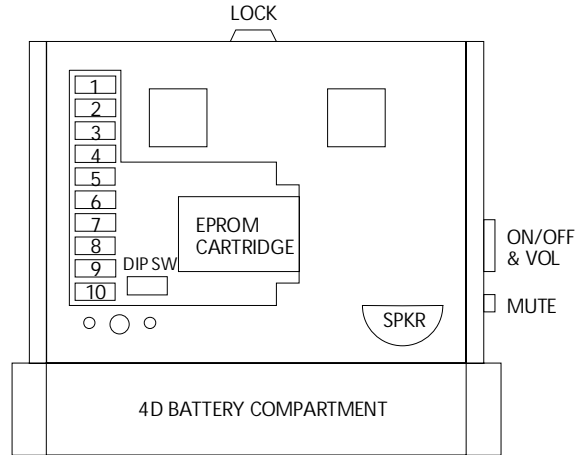
ON/OFF & VOL: Power on/off and volume control.

DC: Use a 9V DC adaptor with a 2.1mm center-positive coaxial plug.

EPROM CARTRIDGE: Protects the EPROM chips and makes it easy to change message in the field.

BATTERIES: Use 4 "D" size batteries.

SW1: Sampling rate selection switch.



| EP-810 | EP810A | 1 | 2 | 3 | 4 |
|--------|--------|-----|-----|-----|-----|
| 25.0K | 21.6K | OFF | OFF | OFF | OFF |
| 26.7K | 23.0K | ON | OFF | OFF | OFF |
| 28.6K | 24.9K | OFF | ON | OFF | OFF |
| 30.8K | 26.6K | ON | ON | OFF | OFF |
| 33.3K | 28.8K | OFF | OFF | ON | OFF |
| 36.4K | 31.4K | ON | OFF | ON | OFF |
| 40.0K | 34.6K | OFF | ON | ON | OFF |
| 44.4K | 38.4K | ON | ON | ON | OFF |
| 50.0K | 43.2K | OFF | OFF | OFF | ON |
| 57.1K | 49.4K | ON | OFF | OFF | ON |
| 66.7K | 57.6K | OFF | ON | OFF | ON |
| 80.0K | 69.1K | ON | ON | OFF | ON |
| 100.0K | 86.4K | OFF | OFF | ON | ON |
| N/A | 115.2K | ON | OFF | ON | ON |

SP: (on the back) 1/8" stereo phone jack for an external speaker.

OPERATION GUIDE

ASSEMBLING THE CARTRIDGE

Install EPROM chips into the cartridge. 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 EPROM 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. Pry off the protection cap on the ON/OFF switch and turn power on. Press one of the buttons momentarily to test the message. Adjust the sampling rate 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.

PUTTING IN THE PICTURE

Unlock the front cover with the key provided. Put in the picture and replace the front cover. The picture size should be about 5.5" x 8.0". If there are less than 10 messages, extra push buttons may be broken off. The mylar cover may also be ordered with a specific hole pattern.

PHYSICAL DIMENSIONS

Approximately 10.25" (L) x 9.0" (W) x 1.75" (H).

EPROM CARTRIDGE JUMPER TABLE

The following table is for cartridge model IR1000D.

| EPROM TYPE | | 27C512 | 27C010 | 27C020 | 27C040 | 27C080 |
|------------|-----|--------|--------|--------|--------|--------|
| DIP SW | W11 | • | • | • | • | • |
| | W10 | • | • | • | • | • |
| | W9 | • | • | • | • | • |
| | W8 | • | • | • | • | • |
| | W7 | • | • | • | • | • |
| | W6 | • | • | • | • | • |
| | W5 | • | • | • | • | • |
| | W4 | • | • | • | • | • |
| | W3 | • | • | • | • | • |
| | W2 | • | • | • | • | • |
| | W1 | • | • | • | • | • |