



## Shabbat-phone

### A Phone for Shabbat intended for Vital Needs, Capacitive Touch model

#### Halachik Background:

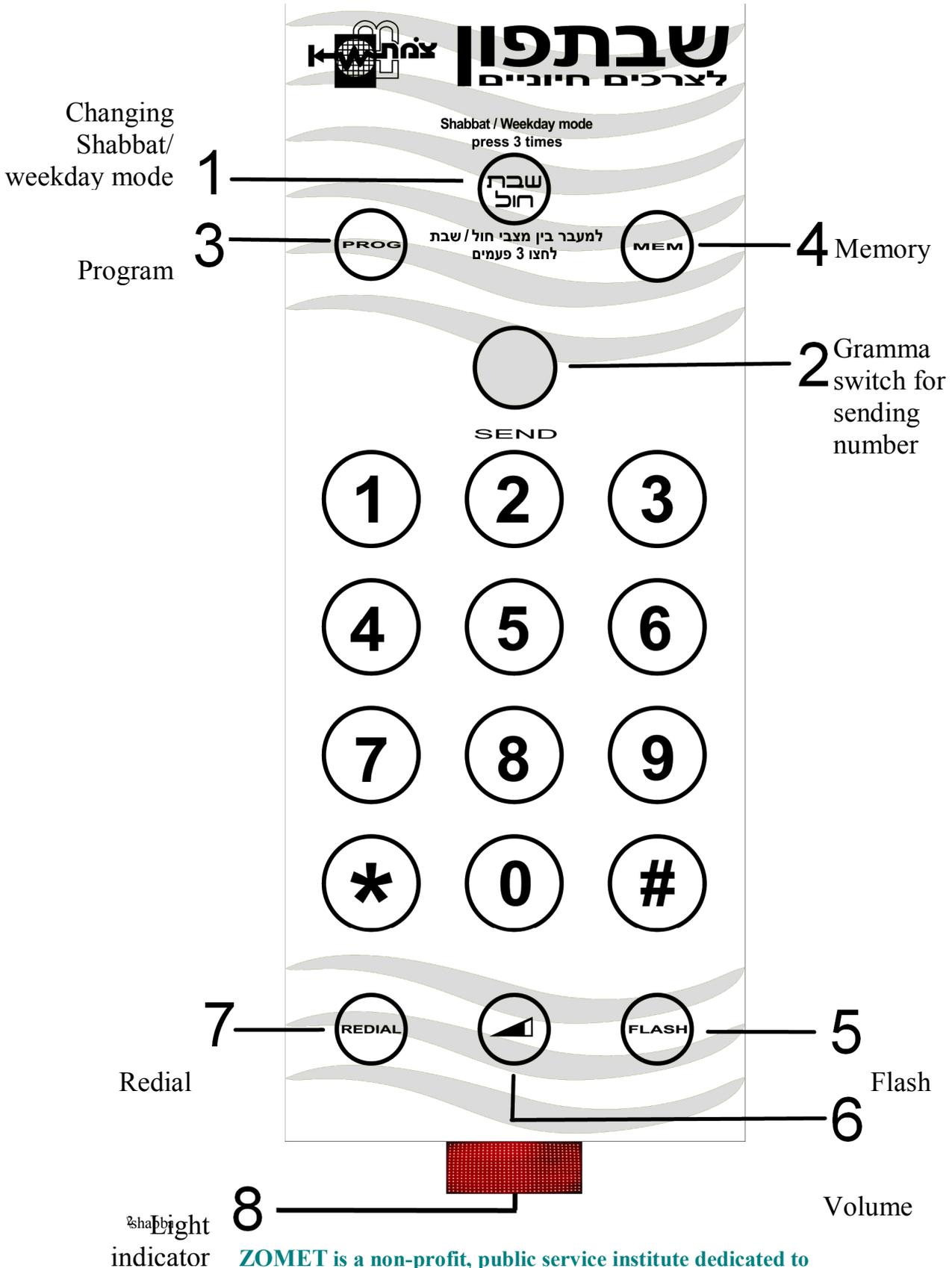
The Shabbat-phone is intended for medical, security and other essential needs, even in situations that are clearly not life threatening (not even *safek pikuach nefesh*). Closing an electrical circuit (such as a switch, button, etc.) is forbidden on Shabbat, The Shabbat-phone has no regular on-off switch. We based the Shabbat-phone technology on two halachik principles: modifying electric current or frequency and *Grama*. It's therefore permitted in these circumstances to use it on Shabbat

**Modifying electric current or frequency** – The phone keys are touch sensors and use capacitive sensor technology. These sensors change the electrical current - voltage - frequency, without opening or closing any circuit. Placing a human finger on the key changes the current or frequency at that point. Special software translates this change to the intended function of a key. Pressing a key with a stick, for example, would not cause any response. Simply adjusting the level of the electric current in these circumstances is permitted.

**'Grama'** – the *Grama* switch or button has no electric voltage or current connected to it, it's similar to a light switch on a wall with the Shabbat clock timer turned off. An electronic circuit periodically scans this switch approximately every 3 seconds. If the very brief periodic scanning finds that a switch or button has changed state an operation will be executed after a few seconds. There is an assurance that no activation will occur while the switch is being pressed.

#### Installation instructions:

1. Connect the phone line to the phone jack.
2. Connect the supplied AC adapter to an electrical outlet and to the phone.





## 1. Shabbat – Weekday Mode

**Weekday Mode** – works as regular phone. Red indicator light is on low power. The dial keys respond immediately, without having to use the 'Send' button.

**Switching to Shabbat mode** - three consecutive presses on this button toggles between modes. You should put it in Shabbat mode before Shabbat, however, if you forgot, it is permitted to change modes on Shabbat itself.

**On Shabbat-** The red indicator light is lit strongly. Pressing a key causes the light to dim for a moment and then goes back. Modifying the electric current is the halachik principle that permits this.

- A. **Handset** – Lifting and lowering the handset does not open or close the line immediately, but after a few seconds (using the Gramma scanner).
- B. **The dialing** is done in 2 stages: Inserting the phone number sequence into the internal memory and then press Send button (using the Gramma scanner).

### Important tips:

- C. You can dial the number and press SEND even when the handset is lowered and afterward pick up the handset. Pressing the SEND button, in Shabbat mode, opens the line even if the receiver is placed in the cradle. (Dialing is a bit easier this way)
- D. If you make a mistake dialing, you can clear the internal memory by pressing once on the Shabbat /Weekday key.



## 2. SEND

This button is active only in the Shabbat mode; it dials the digits that were recently entered into the internal memory. This button operates on the 'Gramma' concept and therefore you need to press it once and wait a few seconds for the call to be dialed out.

Pressing this button opens the line even if the receiver is placed in the cradle. If after 10 seconds the receiver is not raised - the line will be disconnected.



## 3. Programming - PROG - This button has several functions

**A. Mute** - A single touch on this button will mute the handset microphone and prevents listening at the other side. Pressing it again will return the voice.

### B. Storing a number in the memory

You can store up 10 numbers in the internal memory. Each number can be up to 21 digits.

Please enter the numbers in Chol mode

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1. Pick up receiver and press [PROG] and then the [MEM] to enter the memory programming mode
2. Enter the memory location (a number between 0-9)
3. Enter the phone number (0-9, \*, #) that will be stored directly into the selected memory
4. Finally press the [PROG].

**C. Change the ring tone.**

Three different ringer melodies and three different volume levels can be programmed.

1. Pick up receiver and press [PROG] and then the [#] to enter programming mode ringing.
2. Enter the code to select the ringer melody and volume (see table)
3. Finally press the [PROG].

Code	Melodies	Volume
1.	short	low
2.	short	Medium
3.	short	high
4.	Medium	low
5.	Medium	Medium
<b>6.</b>	<b>Medium</b>	<b>High - Default</b>
7.	long	low
8.	long	Medium
9.	long	high
0.	no	If digit 0 is programmed, the tone ringer will be turned off until next off-hook where it will turn back to the last setting before 0.



**4. Memory – speed dialing**

This key is for storing and dialing phone numbers previously stored in the phone's memory. For storing please see section 3. B.

For dialing - lift up receiver - press MEM and then enter the memory location (a number between 0-9) and the number stored in that location will be dialed. In Shabbat mode you will also need to press the SEND button at the end



**5. Flash**

This key disconnects the line for 600ms and then connects the line again. In Shabbat mode you will also need to press the SEND button at the end



## 6. Volume

The receive gain can be changed by pressing the volume keys. The VOL key gives a +5.4 dB boost and has a toggle function, i.e. repressing the key resets the gain to default.



## 7. Redial

This key allows redialing of the last manually dialed number without keying in all the digits again. The redial is repeatable after each off-hook. In Shabbat mode you will also need to press the SEND button at the end

## 8. Red light indicator - LED

In Weekday mode - The light is lit low all the time.

In Shabbat mode - the indicator light is bright. Pressing any key will dim the light for a short period, in order to indicate that the key has been registered. The reason this is permitted is based on the principle of modifying current.