

# SIGMA MOSFET

## ADVANCED MOSFET FOR AUTOMATIC ELECTRIC PISTOLS

### INTERACTIVE MENU - description & usage

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## Menu handling



### Haptic feedback

SIGMA will let you know about settings changes, or when your battery is low by means of gentle vibrations.

#### **1. Make sure the battery is unplugged and there is no BB in the chamber.**

(NOTE: Entering the menu can only be done right after plugging in the battery.)

#### **2. Pull a trigger and hold it**

#### **3. Plug the battery**

#### **4. Release the trigger**

If successful, SIGMA will vibrate 6 times with short delays.

#### **5. Navigate through menu**

After successfully entering settings menu user can navigate between options :

- Each short trigger press (shorter than 1 second) increases actual menu position by one and will be signaled by a single vibration,
- Each long trigger press (longer than 1.5 seconds) will set a setting that corresponds to a number of provided short trigger pulls,
- After long press, SIGMA will play current setting with vibrations. E.g. if 5 short presses were provided (menu position no. 5), SIGMA will vibrate 5 times. After a short delay, 2 vibrations will be played as an indication of saved setting. Has this been done, user can input next command.

#### **6. Leave menu**

In order to leave menu either unplug the battery or choose settings number 10.

When leaving menu by choosing relevant setting (10 short trigger pulls), SIGMA will indicate that by vibrating 6 times with short breaks.

## Settings description

Setting	Description
1	Set AUTO
2	Set BURST
3	Reserved/Inactive (will set BURST Mode)
4	Reserved/Inactive (will do nothing)
5	Set Ni-MH battery
6	Set Li-Po battery (2S)
7	Set Li-Po battery (3S)
8	Play current settings
9	Reset settings to default
10	Exit menu ( <b>AEP will become ready to use</b> )

### 1. Set AUTO

Sets AUTO mode.

### 2. Set BURST

Sets BURST mode. Number of shots may vary from 2 to 4, depending on the battery charge level.

### 3. Inactive (will set BURST Mode)

This feature is currently not active. Setting it will set BURST mode.

### 4. Inactive

This feature is currently not active. Setting it brings no result.

### 5. Set Ni-MH battery

Sets Ni-MH battery. A low battery alarm will be reported under 6V.

### 6. Set Li-Po (2S) battery

Sets Li-Po (2S) battery. A low battery alarm will be reported under 6V.

### 7. Set Li-Po (3S) battery

Sets Li-Po (3S) battery. A low battery alarm will be reported under 9V.

### 8. Play current settings

Plays current settings in the following format:

*X vibrations (setting number)  
0.5 second pause  
state (2 vibrations if SET, 4 vibrations if NOT SET)  
1 second pause  
<repeat until end of settings>*

e.g. 2 vibrations followed by 4 vibrations will mean that setting number 2 is NOT SET.

### 9. Reset settings to default

Resets the settings to default:

1	AUTO	SET
2	BURST	NOT SET
3	Inactive	NOT SET
4	Inactive	NOT SET
5	Ni-MH battery	SET
6	Li-Po (2S) battery	NOT SET
7	Li-Po (3S) battery	NOT SET

### 10. Leave menu

Leaves interactive menu. Indicates it by 6 vibrations. From this moment replica will shoot when the trigger is pulled (normal operation).

### Troubleshooting

If you got lost and don't know where you are at with the menu -simply unplug the battery and repeat the process. You may also choose a "Play current settings" or "Reset settings to default".

## Examples

### Set BURST mode

- make sure the battery is unplugged and there is no BB in the chamber,
- pull a trigger and hold it,
- plug in the battery,
- release the trigger and wait for confirmation ,  
**SIGMA should vibrate 6 times**
- select menu:
  - perform 2 short (< 1s) trigger presses,  
**SIGMA should vibrate once after each short press as a confirmation**
  - perform 1 long (> 1.5s) trigger press,  
**SIGMA should vibrate 2 times (selected menu no. 2)**  
**After that, 2 additional vibrations will be given to confirm**
- leave menu:
  - perform 10 short (< 1s) trigger presses,  
**SIGMA should vibrate once after each short press as a confirmation**
  - perform 1 long (> 1.5s) trigger press,  
**SIGMA should vibrate 10 times as an indication of selected menu (no. 10)**  
**After that, 6 additional vibrations will be given (menu was left)**

### Play current settings

- make sure the battery is unplugged and there is no BB in the chamber,
- pull a trigger and hold it,
- plug the battery,
- release the trigger and wait for vibrations,  
**SIGMA should vibrate 6 times (menu was entered)**
- select menu:
  - perform 8 short (< 1 second) trigger presses,  
**SIGMA should vibrate once after each short press as a confirmation**
  - perform 1 long (> 1.5 second) trigger press,  
**SIGMA should vibrate 8 times (selected menu no. 8)**  
**After that, 2 additional vibrations will be given to confirm**
- leave menu:
  - perform 10 short (< 1s) trigger presses,  
**SIGMA should vibrate once after each short press as a confirmation**
  - perform 1 long (> 1.5s) trigger press,  
**SIGMA should vibrate 10 times as an indication of selected menu (no. 10)**  
**After that, 6 additional vibrations will be given (menu was left)**

### Reset settings to default

- make sure the battery is unplugged and there is no BB in the chamber,
- pull a trigger and hold it,
- plug the battery,
- release the trigger and wait for vibrations,  
**SIGMA should vibrate 6 times**
- select menu:
  - perform 9 short (< 1s) trigger presses,  
**SIGMA should vibrate once after each short press as a confirmation**
  - perform 1 long (> 1.5s) trigger press,  
**SIGMA should vibrate 9 times (selected menu no. 9)**  
**After that, 2 additional vibrations will be given to confirm**
- leave menu:
  - perform 10 short (< 1s) trigger presses,  
**SIGMA should vibrate once after each short press as a confirmation**
  - perform 1 long (> 1.5s) trigger press,  
**SIGMA should vibrate 10 times as an indication of selected menu (no. 10)**  
**After that, 6 additional vibrations will be given (menu was left)**