

SIGMA MOSFET

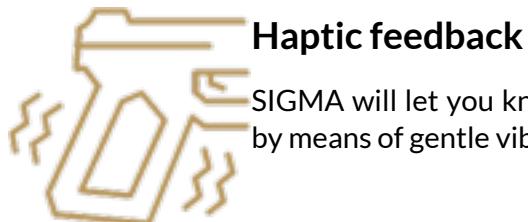
ADVANCED MOSFET FOR AUTOMATIC ELECTRIC PISTOLS

INTERACTIVE MENU - description & usage

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Menu handling



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 signalized 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 (AEP will become ready to use)

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)