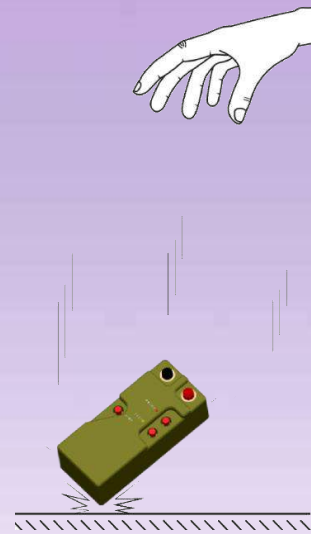
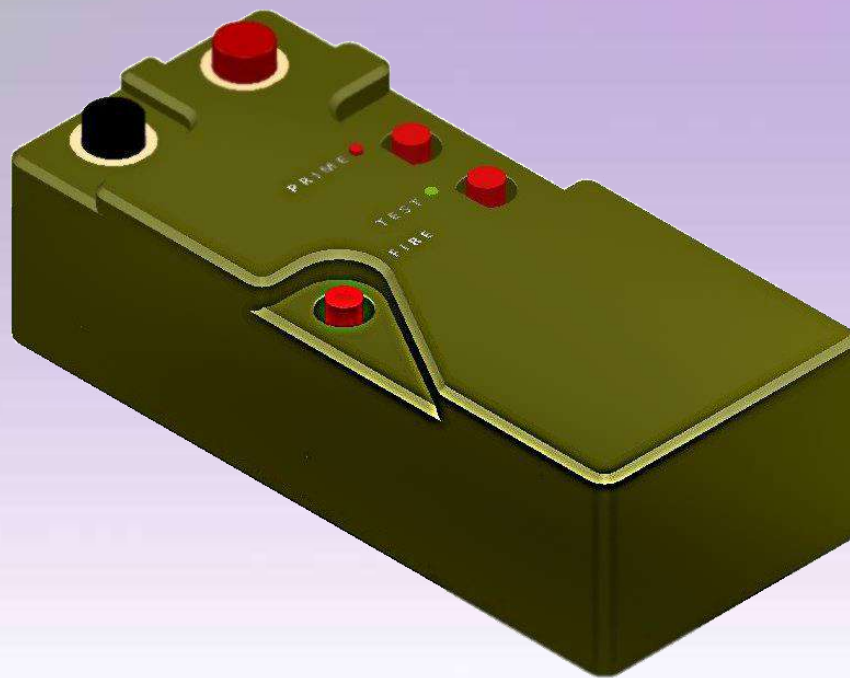




# Electronic Exploder (Mini Shrike)

## AZ-12, AZ-L12



Metal body & Component protected for drop test

AZ-12 Single-Channel Electronic Exploder (also known Mini Shrike) is a lightweight, two-hand firing system. The system is microcontroller-based, ensuring all required safeties and functions. Its rugged spring-loaded terminals allow quick connection to the firing cable. Before firing, an initial check is performed to confirm that a detonator or cartridge is connected and displays the expected resistance for reliable ignition. To prepare for firing, the exploder must be primed, which charges a firing capacitor. The firing circuit remains isolated from the power unless the system is primed. If firing is not performed, the unit automatically de-primed via a discharge circuit as the Prime button is released.

Exploders are available in both as conventional models or with an OLED display which displays the firing voltages and bridge wire resistance. To power the exploder, the standard configuration it to use commercially available PP3-style batteries. A rechargeable PP3 battery can also be used, for which commercially off the shelf available chargers are used. Additionally, a system featuring a permanently installed lithium-ion (Li-Ion) rechargeable battery with a built-in charging port can also be provided.

### Key features

- **Aluminum body for drop test requirement of Military standards**
- **Customization for OLED display and built in re-chargeable battery and OEM offered.**
- **Indicator LEDs - to confirm continuity OK and confirm Primed.**
- **Dust tight and water-resistant.**
- **Two pushbuttons need to be depressed with two hands to fire.**



Item	AZ-12 and AZ-L12	AZ-R12 and AZ-RL12
<b>Output Volts</b>	300 to 400 V	
<b>Sealing</b>	IP66	
<b>Drop test</b>	6 feet drop test Aluminum body	
<b>Weight</b>	Less than 650 g	
<b>Output connections</b>	Spring-loaded terminals for quick connection.	
<b>Battery</b>	Commercially available Style PP3 Voltage: 9 Volts Chargeable or non-rechargeable Chemistry Lithium, Carbon-Zinc, NiCd, NiMH, Lithium-Ion	Built-in Li-Ion Rechargeable & Battery Management system 12VDC 1000 mAH Charging through external port Charging 2-3 hours
<b>Display</b>	LED bulb indication in AZ-12 OLED display for load resistance, prime voltages display for AZ-L12	LED bulb indication in AZ-12R LED display for load resistance, prime voltages display for AZ-12RL
<b>Dimensions (mm)</b>	175x85x55	
<b>Operating temp</b>	-33°C to 55°C	
<b>Firing Energy</b>	2-4 J (customizable)	
<b>Time to prime</b>	< 5 sec	
<b>Number of firings with one battery</b>	> 200	
<b>Cable length</b>	Fires up to 3 Km when using DEF STAN 61-12 Part 17 firing cable	
<b>De-prime time</b>	6 msec	
<b>Shoulder Carry bag</b>	Yes	
<b>Optional items</b>	Demolition wire on metal reel. Customization for firing energy . Car battery charger for AZ-12R and AZ-12RL	