



## Protection against animals

“Hornet V-120”, “M100n”

## ***Brief description***

*Products “Hornet V-120” and “M100n” ensures complex protection against animals.*

*“Hornet V-120” helps to avoid collisions with animals on the road. “M100n” protects car engine’s compartment from smaller rodents, who try to settle there.*

***Let’s take a tour....***

A decorative graphic element in the bottom-left corner consisting of overlapping blue and black geometric shapes.



**XP3 CORPORATION**  
MANUFACTURER OF  
**THE HORNET**

*“Hornet V-120” – protects from collisions with animals on the road*



## ***Brief description of “Hornet V-120”***

*Hornet V-120 will protect You and Your car from the accidents, which are caused by the animals appearing on the road - deer, elk and so on.*

*This product warns the animals about the danger – the car, so that they would not appear on the road.*





## ***Collisions with animals - big issue***



- 1. Approximately 1200 animals are killed on the roads in Lithuania every year.*
- 2. Most of the accidents, that are caused by the animals, occurs in May-June, also at the period of animals' migration – the second half of the year (starting from August).*
- 3. The animals crosses the roads and are blinded by the lights. The driver not always has enough time to react.*

## *Collisions with animals - big issue*



- 1. Many accidents occurs at night.*
- 2. The biggest losses are experienced after hitting deer or elk.*
- 3. In case of an accident, insurance company will pay only if a driver has a kasko insurance.*

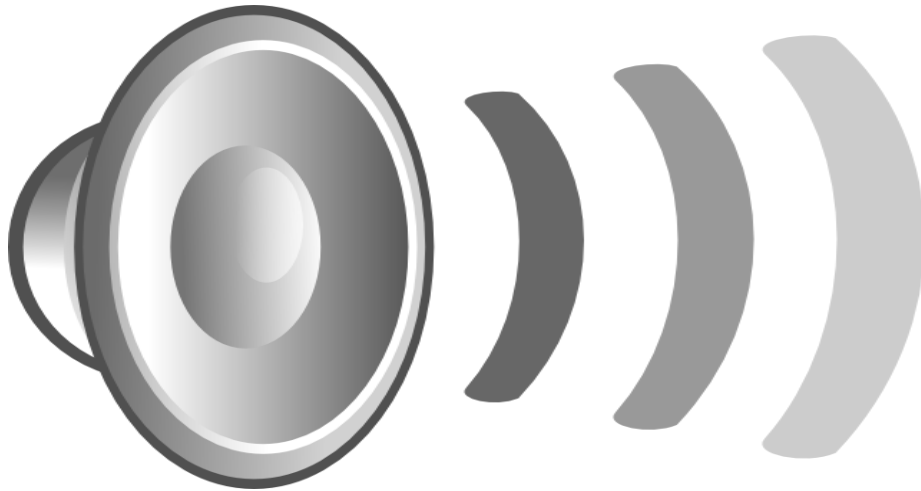


## How the “Hornet V-120” works ?



1. *"Hornet V-120" operates on the principle of sound wave spreading.*
2. *Sound waves warns the animals about the danger- car, which is approaching, even if it is not visible or cannot be heard.*
3. *The product does not have any impact on the human or animal health.*

***More information about how the device works***



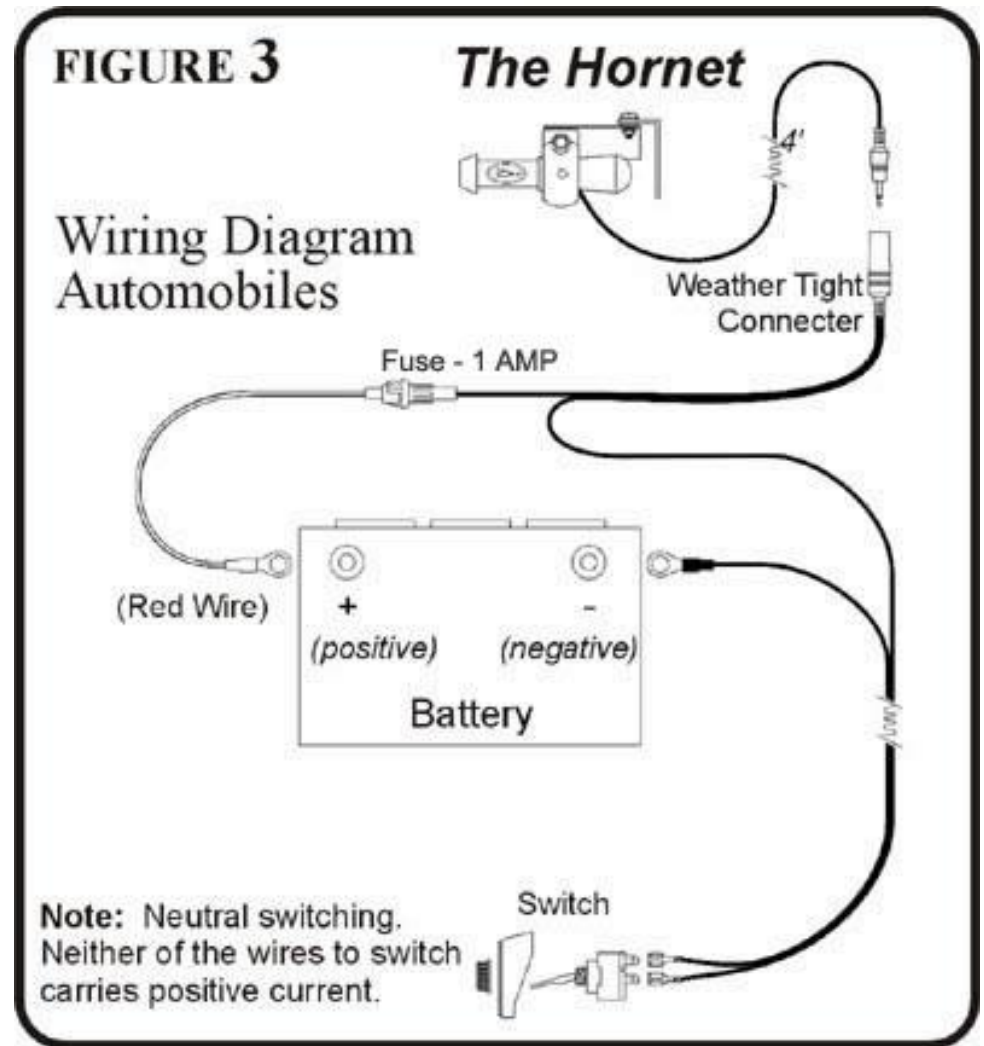
1. *“Hornet V-120” spreads high pitch, volume of 120 dB, directional ultrasonic waves. They are reflected from the road surface. The result is an echo effect, which further amplifies the signal.*
2. *Hearing of elk and deer is very sensitive. When they hear the sound emitted by this device, they stop, listen to it or hide from possible danger.*

*Wave range – up to 500 meters.*



*Easy to install*

*Wiring diagram for the car*



*What “Hornet V-120” is suitable for?*



*Cars*



*Buses*



*Trucks*



*Motorcycles*

*The product can be installed to almost any vehicle. Operating voltage: 8-16 V.*

## Questions and answers

### **1. Is The Hornet a deer whistle?**

*No. The Hornet should not be compared with air activated deer whistles. Driving speed has no impact on this device functioning.*

### **2. Can people hear The Hornet?**

*Most animals, including people, hear within the same frequency ranges, although some animals can hear tones several thousand hertz higher. For most people, The Hornet's output falls within the upper end of their range of hearing and is clearly audible. However, some people, primarily older people, have a narrower hearing range and may not be able to hear The Hornet.*

### **3. When the Hornet should be used?**

*Always use The Hornet when driving in high-risk areas. Remember that deer are most active from dusk until dawn. Always drive with your headlights on in high-risk areas, stay alert and pay attention to the roadside.*

### **4. Will I hear the sonic wave in my vehicle?**

*You will not hear The Hornet while you are driving or riding. However, you may hear The Hornet when your vehicle is stopped or you enter an enclosed parking structure such as a parking garage. The wave is very directional and will reflect back from any solid object.*

### **5. Will The Hornet annoy pets?**

*Like human, pets will be able to hear The Hornet. We recommend you turn your Hornet off while you are operating your vehicle in a confined residential area, campground, etc. Most animals, particularly non-domesticated animals, may react in some fashion to The Hornet.*



## Questions and answers

### **6. Where do I mount The Hornet?**

*The Hornet may be mounted anywhere under the front side of the vehicle where it has an unobstructed, clear view of the road surface. Ideal locations include under the bumper, behind an open pattern grill, on a cross-member, on the radiator shroud, etc.*

### **7. Can I mount The Hornet inside the car?**

*No. The Hornet is a small sonic generator that produces a very focused wave that must be projected directly ahead of the vehicle for maximum effectiveness. Therefore, it must be mounted outside the vehicle with a clear, unobstructed view of the road surface, facing forward and pointed at a 45-degree angle to the road surface.*

### **8. Will the weather affect The Hornet?**

*No. The Hornet is water-resistant and is not affected by normal high and low temperature conditions. However, The Hornet is not completely waterproof. If it is submerged in water, the driver circuitry can be damaged.*

### **9. Can The Hornet be left on all the time?**

*Yes. However, we recommend using The Hornet primarily in high-risk areas and while driving at night.*

### **10. What is the effective range of The Hornet?**

*300-500 meters.*





## Why “Hornet V-120” is worth trying?

1. *Hornet V-120 helps to avoid collisions with animals. The waves, that the device produces, warns the animals, the a vehicle is approaching, even it can't be seen or heard.*
2. *It is estimated that by using the product, provided that the driver remains alert, collision risk is reduced by more than 70 percent.*



# Kemo<sup>®</sup> Electronic

*“M100n” – protection against rodents*



## *How the rodents can damage the car?*

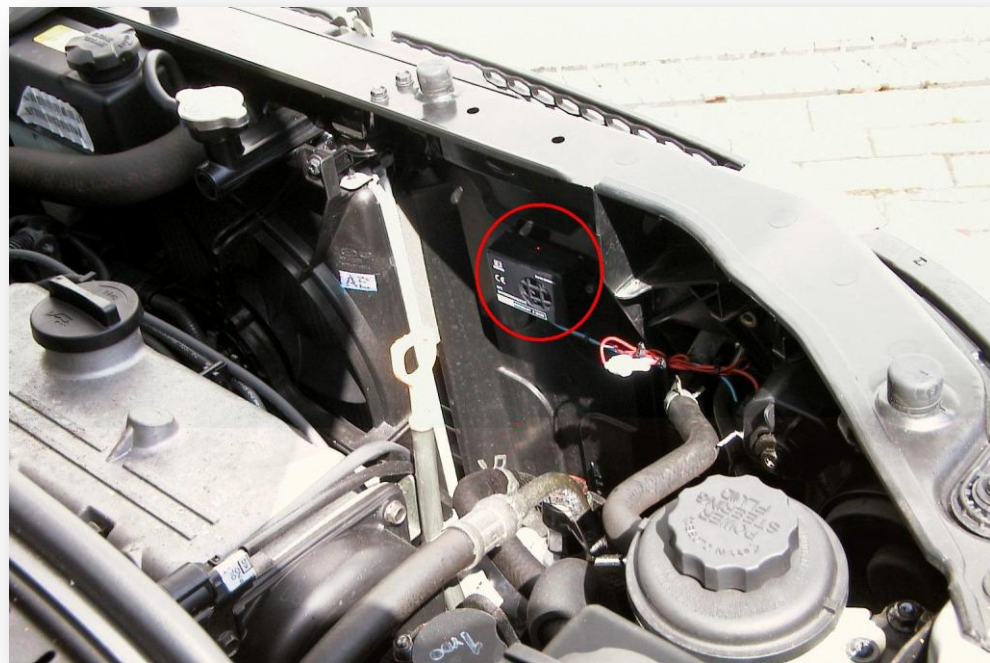


*1. Trash in the engine compartment, bad smell in the cabin.*



*2. Niped off wires*

## How “M100n” operates ?



1. *“M100n” is installed in car’s engine compartment.*
2. *The product emits loud, pulsing ultrasonic signals, that the rodents do not like.*
3. *Because of the signals, the rodents do not approach the car.*



## Why “M100n” is worth trying?

*You will protect your car's engine compartment against rodents and avoid unnecessary worries.*

