



ACOUSTIC & VISUAL
game warning device
manufactured by **WEGU**



ACCIDENTS INVOLVING GAME ARE AVOIDABLE

There is an increasing risk of accidents involving game during the day, at dusk and at night on both roads and train tracks due to changing environmental conditions (harvesting of maize fields), distressing game by human beings (leisure activities), and also through the constantly increasing number of vehicles.

As recognized statistics show, there were around 76,000 accidents evoked by wildlife across Austria in the 2018/2019 season, which mean every 7 minutes on Austria's roads there was an accident involving game. The average insurance damage per car accident was around EUR 1,600.

With the further development of our existing system, the **DAY & NIGHT** game warning device offers optimal protection to avoid such accidents.

Our warning systems are optical or acoustic-optical devices that keep game from crossing roads or railroad tracks in front of approaching vehicles, both **BY DAY** and **BY NIGHT**.

On the one hand, the safety of road users must be guaranteed, and on the other hand, animal suffering should be prevented as much as possible.

Our products have both **VISUAL** and **ACOUSTIC** warning signals - they are **COMPLETELY MAINTENANCE FREE, DURABLE** and **ACTIVATED IMMEDIATELY**.

Act now - we will be happy to advise you throughout the whole of the EU. As pioneers of game warning devices since 2003, we can competently assist you with a lot of experience and help you to optimally protect the roads against accidents involving game.



Handwritten signature of Heinz Pfandlbauer in dark green ink.

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90%
REDUCTION
IN GAME
ACCIDENTS
THANKS TO OUR
GAME WARNING
DEVICE



WE HAVE THE SOLUTION AGAINST GAME ACCIDENTS

Our game warning device helps reduce accidents caused by game in road and rail traffic.

Optical game detectors reflect part of the car's headlights into the landscape. This prevents game from crossing the road. The acoustic game warner draws the animals' attention to the approaching traffic with a sound signal. A great advantage of these devices is that the game warning devices do not completely prevent the movement of animals, as is the case with a game fence, as the devices only emit their optical or acoustic signals when a car is approaching.

The **WEGU** "Day and Night" game warning device is available in two versions, one with radio (black housing) and the other without radio (white housing).

The warning devices are mounted on reflector posts along the road, facing away from the carriageway.

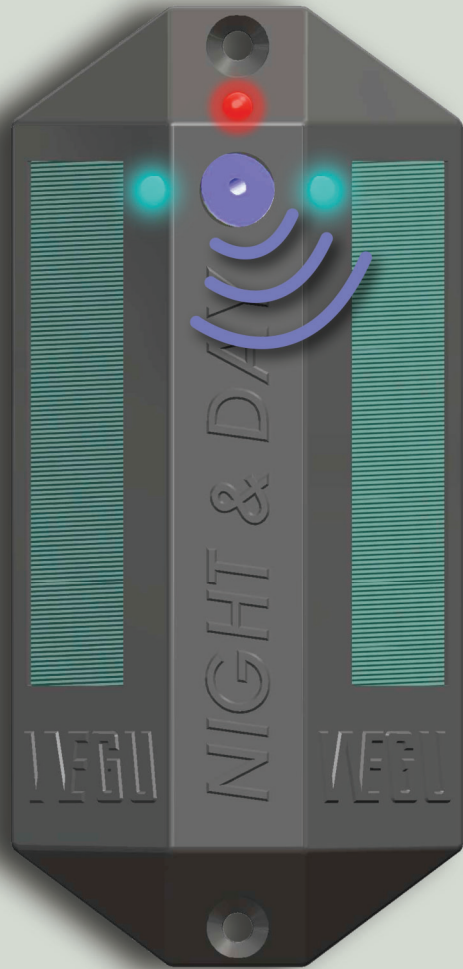
Approaching vehicles are recognized by means of an integrated microphone through vehicle lights or vehicle noises (engine, tyres ...) at which the variable acoustic signal (whistle) is triggered. Variable signals prevent game becoming familiarised with the alerts.

An additional warning is given in the form of flash signals with (bright) blue LEDs sideways to the road, and from a red LED that shines diagonally upwards and warns low-flying game birds causing them to rise, thus avoiding a collision with vehicles (motorcycle, car, lorry or train).



So that the warning is generated with sufficient lead time in front of the approaching vehicle, the warning signals are transmitted to other game warning devices within the reception range (approx. 120m) and trigger a series of signals.

The device can also be installed in road cuts, on embankments or in thickening bushes in order to warn the game as soon as possible. Once the warning has been issued, there is a blocking time (interval of 20 seconds) during which, if there is no further detection of vehicles, the signal is not forwarded to other game warning devices.



ADVANTAGES OF THE **WEGU** GAME WARNING DEVICE

The acoustic signal can be easily heard over a wide area, especially for game.

The combination of our visual and acoustic game warning systems also addresses the game's sense of sight and hearing in case of danger!

Completely maintenance-free thanks to modern solar technology.

The acoustic signal, which changes frequency depending on the outside temperature, prevents game from getting used to it.



VIDEO AND FURTHER INFORMATION

In order to be able to demonstrate the product to you even better, refer to the video, with all the data and facts, on our website.

www.wegu-dehako.com/video-wildwarner



OPERATION OF THE GAME WARNING DEVICE

The game warner is active as soon as enough energy is stored in the capacitor by the solar cells. This is the case as soon as all 3 LEDs (2x blue / 1x red) light up continuously for a short time.

No individual activation or programming of each device is required.

Both detection mechanisms are active during twilight in order to ensure the highest possible detection rate vehicles (twilight operation).

In order to minimize power consumption, detecting vehicles by the sound method is switched off at night so that detection by headlights is guaranteed (night operation).

If there is not enough power, the game warning device switches automatically to an energy-saving mode, i.e., all functions are switched off so that they can be fully functional the next day as quickly as possible (approx. 6300 activations / -2 days at maximum frequency).

The game warner without radio has the advantage of a longer operating time (approx. 9800 activations / -3 days at maximum frequency), since it consumes less power without the radio module.

MAINTENANCE-FREE DOWN TO THE SMALLEST DETAIL

Safest power supply through capacitor (no accumulator)

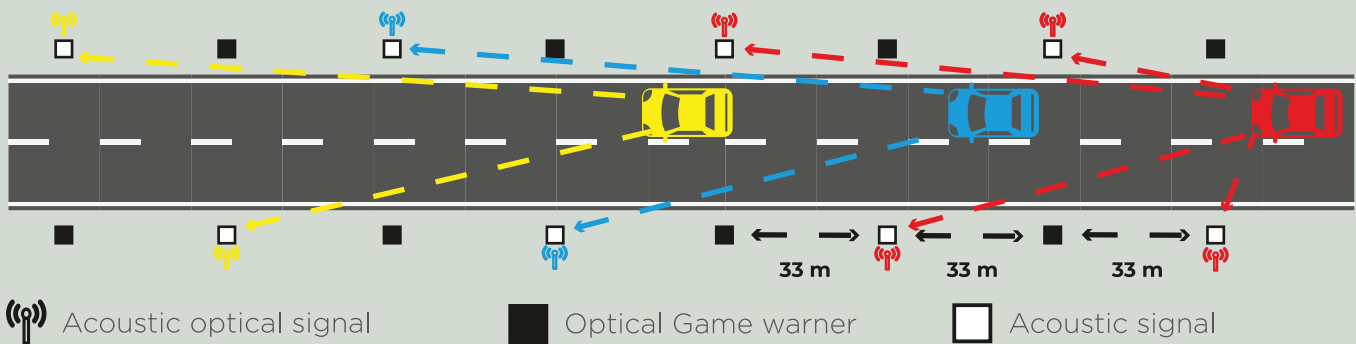
No destruction by deep discharge (e.g., too much snow / shade, etc.)

Guaranteed operating temperature - 30 degrees to + 70 degrees.
(Various batteries suspend in freezing temperatures)

Housing completely welded and vacuum-sealed,
thus absolute protection against salt, alkali, acid and moisture.

FUNCTIONALITY OF ACOUSTIC & OPTICAL GAME WARNING DEVICE

In the case of high vehicle frequency, only the acoustic-optical game warning device should be installed. Upon request, we will be happy to work out a detailed plan for setting up the game warning system with you.



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ACOUSTIC GAME WARNER
DAY & NIGHT
WITH TRANSCEIVER

ADVANTAGES

- Optical & acoustic warning signal
- Automatically forwards signals by that are out of range of light and engine noises, e.g., embankments, road cuts

1 x RED LED FLASH SIGNALS

Flashes diagonally upwards - warns low flying game birds (ducks, pheasants ...)

ACOUSTIC SIGNAL

Warns alternating game with a beep.

2 x BLUE LED FLASH SIGNALS

Flashes sideways on both sides - additionally warns the game.

COMPLETELY MAINTENANCE-FREE

INTEGRATED MICROPHONE

Perceives the car noises (engine, tyres, e-cars, train/rail) and processes the noises in the microcontroller.

TRANS-
CEIVER
INCLUDED

A transceiver module then sends a data signal to the surrounding warning system within a radius of approx. 120 m, which in turn, triggers the warning signal.



2 x SOLAR PANELS

To ensure the system is always ready, the capacitor (NO BATTERY) is charged by sunshine and/or daylight.

ADVANTAGES

- Optical & acoustic warning signal
- Latest technology
- Longer standby due to lower power consumption (no transceiver)
- Ideal for e.g., driving through forests where there is little sunlight.
- Long functionality

WEGU -GFT

ACOUSTIC GAMEWARNER DAY & NIGHT WITHOUT TRANSCEIVER



1 x RED LED Flash SIGNALS

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TECHNICAL SPECIFICATIONS



ACOUSTIC GAME WARNING DAY & NIGHT DEVICE WITH TRANSCEIVER

Housing colour	black
Operating temperature	-30°C to + 70° C
Energy generation	solar
Energy storage	capacitor
Vehicle detection	by day: engine/tyres/vehicle noise by night: spotlights
Sound frequency	modulated about 4 kHz
Sound level	82 dB/10cm
Optical warning	2x blue LED´s, 1x red LED
Trigger interval	20 seconds
Switch-on frequency	approx. 6300 switch-on´s/-2days at max. frequency.
Working time	day and night (24 hours)
Dimensions	170 x 80 x 37 mm
Weight	320g
Guarantee	24 months / excluding theft and abnormal damages.

ACOUSTIC GAME WARNING DAY & NIGHT DEVICE WITHOUT TRANSCEIVER

Housing colour	white
Operating temperature	-30°C to + 70° C
Energy generation	solar
Energy storage	capacitor
Vehicle detection	by day: engine/tyres/vehicle noise by night: spotlights
Sound frequency	modulated about 4 kHz
Sound level	82 dB/10cm
Optical warning	2x blue LED´s, 1x red LED
Trigger interval	20 Seconds
Switch-on frequency	approx. 9800 switch-ons/-3days at max. frequency.
Working time	day and night (24 hours)
Dimensions	170 x 80 x 37 mm
Weight	300g
Guarantee	24 months / excluding theft and abnormal damages.

OPTICAL GAME WARNING DEVICE WHITE OR LIGHTBLUE

Operating temperature	-30°C to + 70° C
Reflection	2 mirror surfaces each comprising 360 single mirror surfaces.
Operational time	at dusk and at night
Dimensions	185 x 88 x 38 mm
Weight	130g

ADVANTAGES

- OPTICAL WARNING SIGNAL |
- EXTREMELY DURABLE |
- CHEAP ENTRY PRICE |

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OPTICAL GAME WARNING DEVICE
IN WHITE OR LIGHTBLUE

SCIENTIFICALLY DEVELOPED

and tested by the Fraunhofer Institute.

REFLECTIVE SURFACES

consist of small, differently arranged mirror surfaces (approx. 360 pieces). When exposed to light from vehicles, these generate many flashes of light, thereby creating moving lights (not homogeneous).

REFLECTORS

are designed in such a way that the special application and angle of the mirror facets means that the headlight light is only reflected away from the road (90°), thus preventing drivers from being dazzled.

HABITUATION EFFECT

a familiarisation effect of the game is prevented due to the different strength and direction of the light flashes.

REFLECTIVE SURFACES

are individually interchangeable.



PRESS REPORTS

Even the media in Austria and Germany inform their readers about the WEGU game warning devices. They provide detailed and clear information and offer good researches with data and facts.

We are happy to show you a few of these reports here and stand gladly available for further questions.



INNOVATION PRIZE THURINGIA

The Thuringia Innovation Prize annually honours outstanding innovations from Thuringia. The aim is to honour innovations and the designers behind them. The prize is awarded jointly by the Thuringian Ministry for Economic Affairs, Economy and Digital Society, the Thuringia Foundation for Technology, Innovation and Research (STIFT), TÜV Thuringia (registered Association) and the Ernst Abbe Foundation.



In 2018 we launched our product WEGU-Wildwarner and received a Nomination in the category "Light & Life".



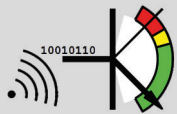
THE PATENT

We have been granted a sovereign industrial property right - also known as a patent - for our WEGU game warning device.



It goes without saying, that all current DIN standards are met.





Dr. Roland Exler
Elektronikentwicklung



Prof. Dr. Ernst Moser
Biologe



WEGU-GFT



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Jagd • Wildschutz

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