



## Instruction manual



# Purivox Triplex V

## Hazard warning - Purivox Triplex V



Please read the instruction manual very carefully before using and assembling the unit.



- Using the device indoors is not permitted.
- Never point the sound tube in the direction of people or flammable objects, because a small jet flame and a pressure wave will exit the sound tube.
- Note regulations in terms of storage, setting up and arranging the propane gas bottle.
- The Purivox Triplex V is only built for using in the agricultural sector (Proper use)
- Any other use is considered improper.
- For damage resulting from improper use. The manufacturer of the equipment shall not be liable.
- The Purivox Triplex V may only be used, maintained and repaired by persons over 18 years, who are acquainted with the equipment and informed of risks.
- The relevant accident prevention regulations as well as other generally recognized safety, health rules and regulations must be observed.
- Any modifications to the equipment shall immediately exclude the manufacturer from any liability or resulting damages.

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### Notice:

The gas regulator which is shown on all the pictures in the manual is a German gas regulator type. If you have ordered a unit with a POL gas regulator, the German regulator is replaced with a POL regulator.

Also the gas bottle can look different to the model that you are using. But always remember to use only certified propane gas bottles.

# Components Purivox Triplex V



A standard propane gas bottle is required for normal operation. (Not included in delivery)

Required tools:  
Spanner (size 10) or socket wrench (size 10)



- 1. Shot frame with sound tube (130010)
- 2. Sound tube
- 3. POL gas regulator complete (101660)
- 4. Manual
- 5. Electronic unit (108510)
- 6. Lock pin (130012)



## Electronic unit

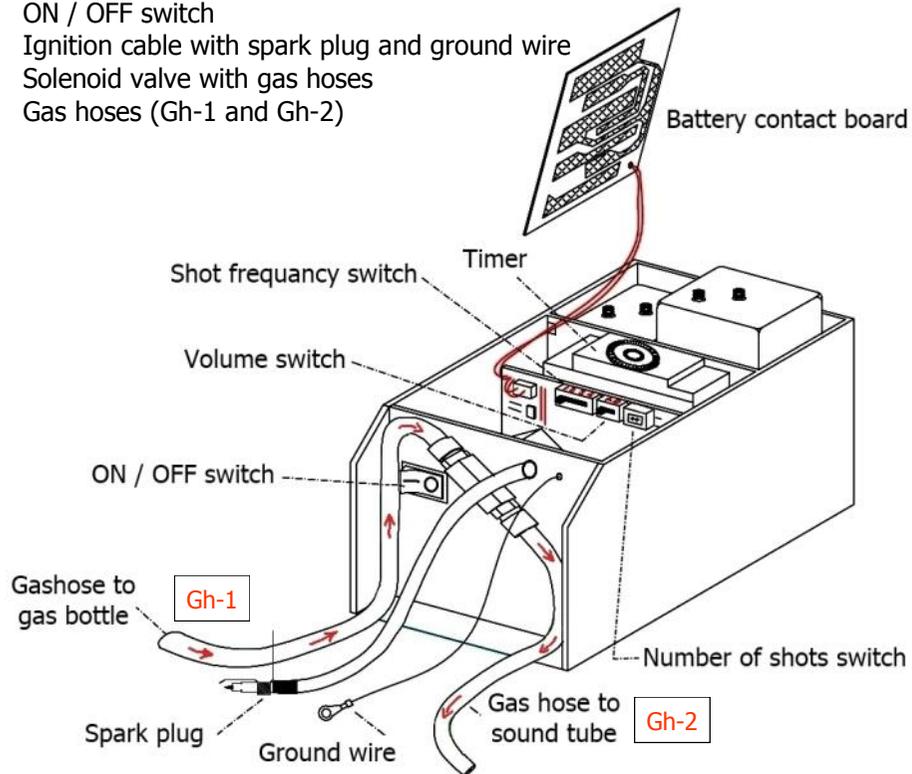
The controller is in a black weatherproof plastic case.  
To get to the operating elements and set up the unit, lift up the lid

### Inside of the Electronic unit:

- Battery compartment
- 24 hour Timer
- Switch for shot frequency
- Switch for volume
- Switch for number of shots

### Outside of the Electronic unit:

- ON / OFF switch
- Ignition cable with spark plug and ground wire
- Solenoid valve with gas hoses
- Gas hoses (Gh-1 and Gh-2)



## Power supply / Batteries

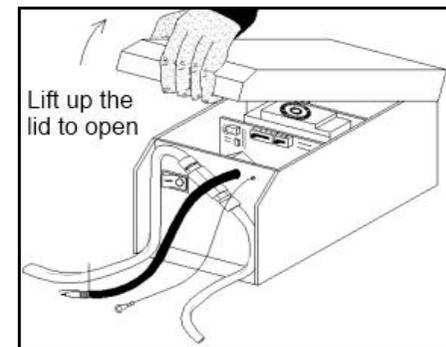
Before working on the batteries or inserting new batteries, make sure that the unit is turned OFF!

The ON / OFF switch is on the front of the electronic unit and is labelled with I for ON and 0 for OFF.

To insert the batteries release the locking by pressing the plastic plate direction the clock. The battery contact board can then be removed upwards.

### Important:

**The batteries must be removed when the unit is stored!**



Open the lid of the electronic unit (108511) and make sure that the paper strip between the batteries and the contact board is removed.

After this press the battery contact board back down to close it.

## Setting the timer

If the batteries are inserted and are in contact with the battery contact board the timer will directly start working  
To set up the timer, open the clear cover from the timer.

### Setting the actual time

By turning the inner disk **clockwise** the current time is set to the small arrow.  
One turn means one hour.

The little mark on the disc is meant to be the minutes. If the mark shows up it is one hour, to the right 1/4 hour, downwards 1/2 hour and to the left a 3/4 hour.

### Setting the work time

The clock is set from the factory so that it will work 24 hours. All cams are pushed outward. To set the pause time, the cams have to be pushed in.

Each cam stands for 30 minutes

**Cam outside / Unit works**

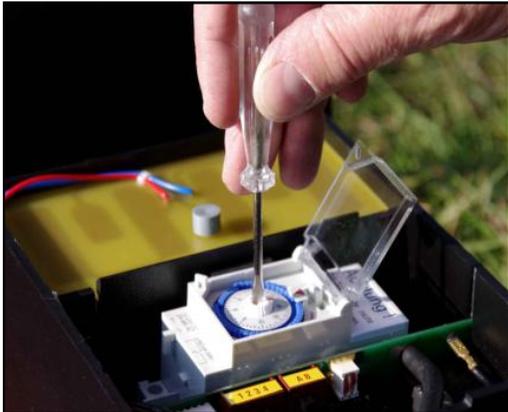
**Cam inside / Break (Unit doesn't work)**

The working time should adjust to suit the local conditions. It is recommended to observe the feeding times of the birds/animals and set the timer to suit.  
Council regulations may also need to be observed.

Switch **I AUTO 0** always in position "Auto"

### Important:

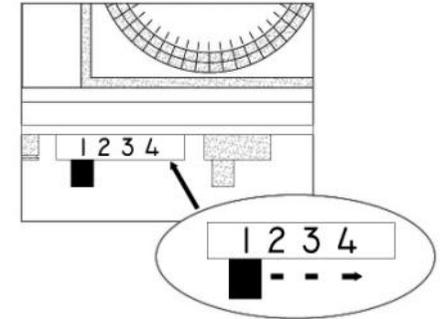
**NEVER** turn the timer anticlockwise!!



## Setting the shot frequency

You can choose from 4 different time frames, how long the pause time should be.  
The unit will then shoot randomly in that time to avoid habituation effect.

If the number of birds and wild animals is not large then it is possible to increase the pause time. In our experience, an intensive multi-shot approach with longer pause intervals is much better and more effective than lots of frequent shots.



Switch position	Break time
1	Break of 2 – 4 minutes
2	Break of 4 – 8 minutes
3	Break of 8 – 16 minutes
4	Break of 16 – 32 minutes

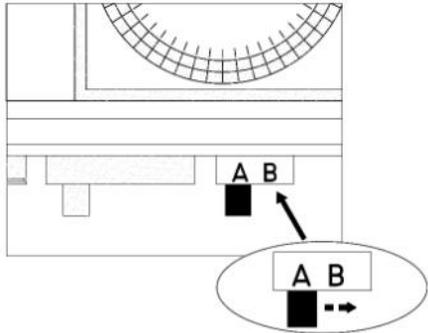


The best thing is to start with a setup that bangs not so often.  
Only when the number of birds and wild animals is getting bigger then change the switch (for example from 3 to 2) to reduce the pause interval.

## Setting the volume

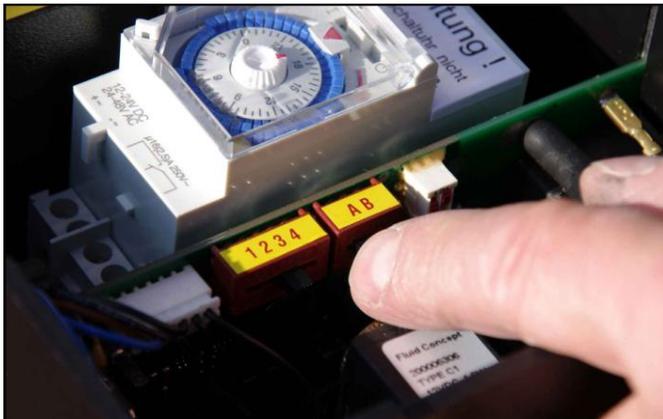
With a switch on the board the volume of the unit can be set in two different volumes

For the full volume the switch has to be on position **B**, for a reduced volume the switch has to be on **A**



Switch position **A** = Reduced sound level  
100m distance approx **90db(A)**

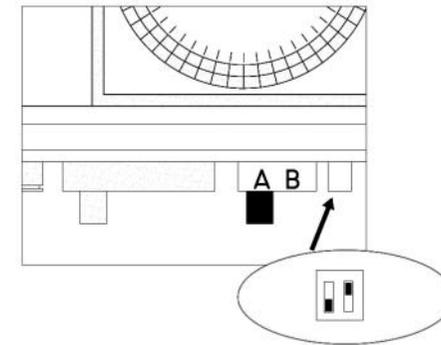
Switch position **B** = Full sound level  
100m distance approx **96db(A)**



## Setting the number of shots

Changing the number of shots only when the unit is turned off!

Wait 15 seconds before turning the unit on again so it can re-set properly.



- 1 shot = both switches up
- 2 shot = left up / right down
- 3 shot = left down / right up
- 4 shot = both switches down



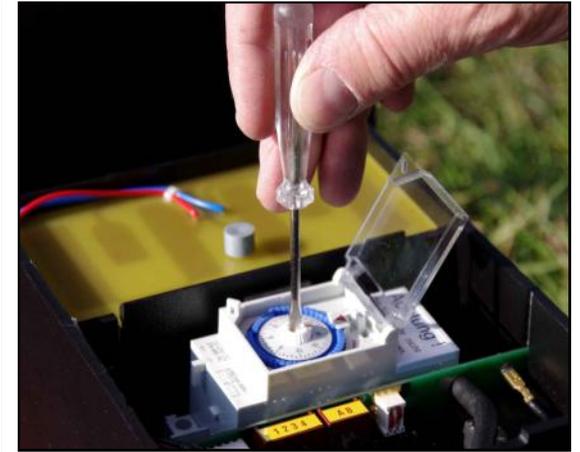
The recommended number of shots is 3.

Tests have shown that the best results will be made with the 3 shots.

# Assembly instruction Purivox Triplex V



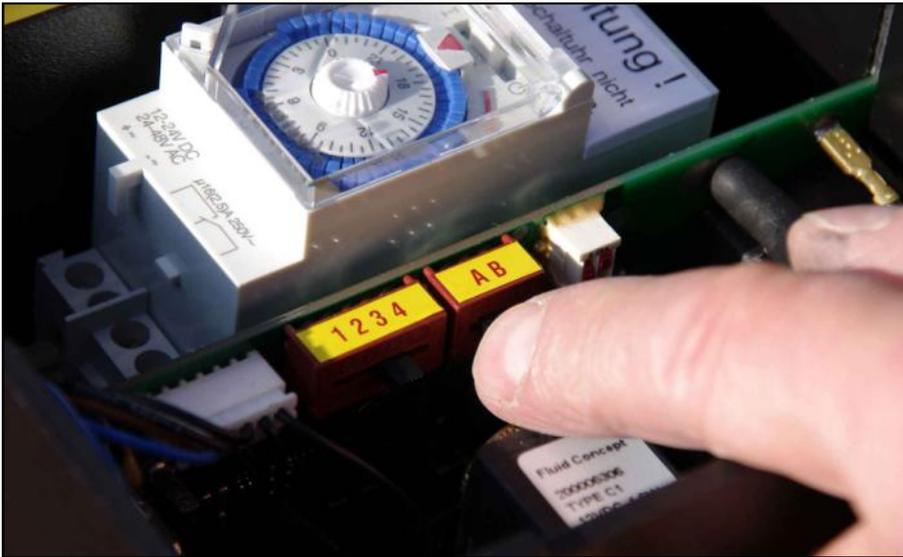
Open the lid from the electronic unit (108510). Lift the battery contact board and remove the paper strip to contact the batteries with the board. After removing the paper strip press the battery contact board back down to close it.



Open the lid of the timer and set the time as explained in the manual (page 6.)

After the timer is set, the shot frequency should be set. Read more about this in the manual (page 7.)





To set up the volume of the unit use the A/B switch.  
Read more about this in the manual (page 8.)



Lastly, set the number of shots. The recommended  
number of shots is 3 shots.  
Read more about this in the manual (page 9.)



Remove the propane nozzle  
which is plugged into the gas  
hose (Gh-2) which runs away  
from the electronic unit  
(solenoid valve side arrow  
front).

The propane gas nozzle will be  
screwed into the nozzle bracket  
at the shot frame (130010).





Once the propane nozzle is screwed in, push the gas hose onto the nozzle.

Make sure that the gas hose is pushed correctly onto the nozzle.



Now connect the gas hose (Gh-1) which goes away from the electronic unit (solenoid valve side arrow end) with the gas hose from the gas regulator (101660).

Make sure that both hoses are fully connected to each other.





Slide the sound tube into the shot frame and secure it with the lock pin (130012). See next page for sound tube settings.



By adjusting the sound tube to different positions, the sound volume can be regulated.

Sound tube long, rear hole.

- High volume -



Sound tube short, front hole.

- Middle volume -



No sound tube.

- Low volume -



Screw the POL gas regulator (101660) on the propane gas bottle and connect the gas hose from the regulator, with the gas hose of the electronic unit.

Take care that the two hoses are moved together completely.

Now you can open the valve of the gas bottle.



Once everything is done the Purivox Triplex V is ready to use. Switch on the ON/OFF switch of the electronic unit and the unit will start working.

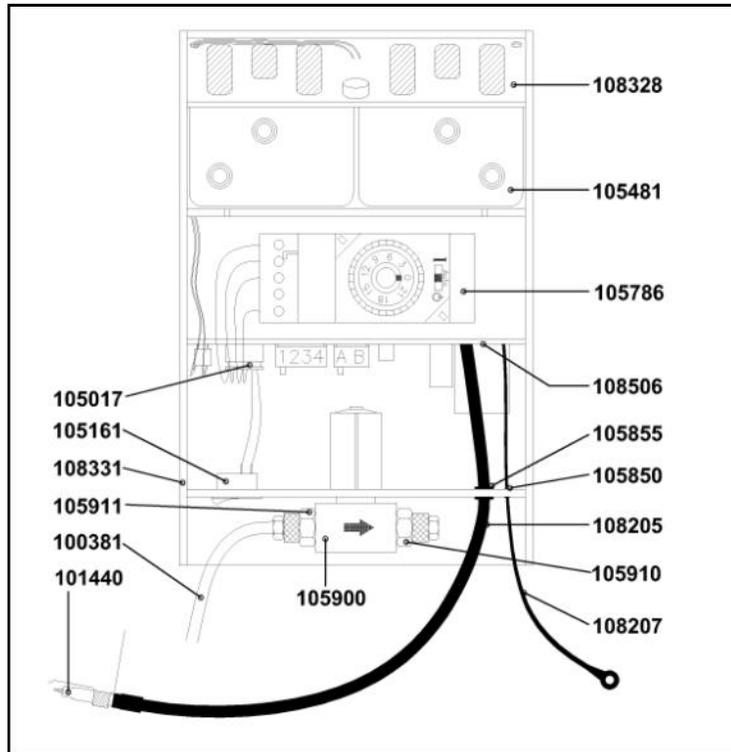


If you have any further questions or need help don't hesitate to contact us:

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## Spare parts - Electronic unit

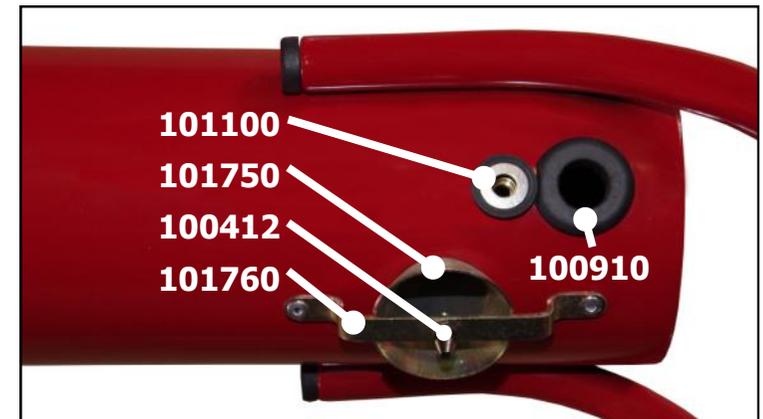
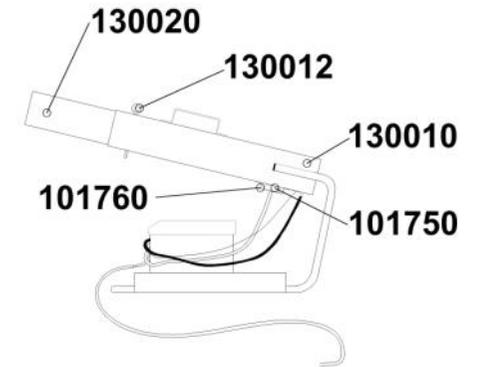
- 108510 Electronic unit for Purivox Triplex V
- 108328 Battery contact board with cable
- 105481 Battery 6 Volt/7Ah
- 105786 Timer - Paladin 12 Volt
- 108506 Circuit board - Uplexa08
- 105855 Grommet DK 6/9/12-12 PVC
- 105850 Grommet 2/5/8-2
- 108205 Ignition cable for Purivox Triplex V
- 105911 Straight fitting for solenoid valve with filter
- 108207 Ground wire for Purivox Triplex V
- 105900 Solenoid valve complete
- 101440 Spark plug complete
- 100381 Gas hose / sold by meter
- 105910 Straight fitting for solenoid valve conical
- 108331 Plastic case with lid and spring plungers
- 105161 ON/OFF switch without cable
- 105165 ON/OFF switch with cable
- 105017 6-pin connector with cable



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## Spare parts - Purivox Triplex V

- 130010 Shot frame with sound tube type 500
- 100910 Rubber grommet DA140/200/40 for sound tube
- 100920 Plastic screw M6x20
- 101100 Threaded insert rubber M6
- 101750 Injector
- 101760 Nozzle bracket
- 103440 POP-blind rivet 3,2x10
- 108510 Electronic unit Triplex V
- 108332 Lid for electronic unit case
- 100412 Propane nozzle Ms60Pb
- 105825 Rubber grommet 4/7/10,1,5
- 105019 A2 screw KA 40x10 for plastic case
- 101660 Gas regulator POL with hose, grommet and union nut complete
- 101610 Gas regulator POL
- 101570 Tail for regulator
- 101350 Union nut for regulator
- 100401 Hose spout brass double nipple
- 101280 Seal washer for regulator
- 111126 Purivox Triplex V



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# Troubleshooting

## Purivox Triplex V doesn't bang:

1. Check the gas bottle capacity; remove the gas hose from the solenoid valve and dip the hose into a bucket of water and open the gas valve.  
**Smoke or open fire in this situation can be dangerous!**
2. If the gas bubbles in the water, check the hose for leaks.
3. Check the hose connections on the solenoid valves. Is the direction of the gas flow the same as the arrow on the solenoid valve? Don't kink the hoses.
4. Is the propane jet from the jet hose screwed into the injector?
5. Battery check: Each battery must have a minimum voltage of 5 volts. Is the transmitter in function? If necessary check the voltage of batteries with a voltmeter in the workshop of your dealer. If the combined voltage has dropped to 9,0 volts, or the short circuit current of the single batteries drops under 1 ampere, replace the batteries.

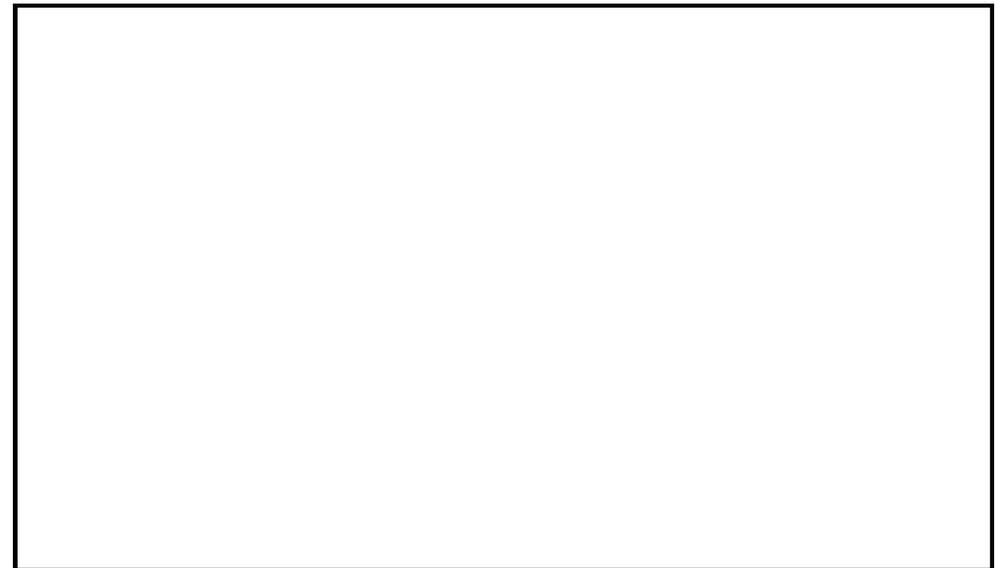
**Notes: If the device is not in use you have to - in order to avoid damage to the electronic units by leaking batteries - remove the batteries mandatory. Close the unit and store it dry.**

6. Is the time at the timer set correctly? Maybe control.
7. Is the outside switch at position "1" ON?
8. Spark control. Is the spark cable intact? If the cable is damaged, please don't fix it by yourself! Warning: High voltage spark! Distance between the electrodes of the ignition spark should be approx 5mm. Test the controller function without gas flow turned on! Hold ignition spark plug holder together with the earth cable to the metal bracket. Don't touch the spark gap with your fingers while switching the unit ON. Don't run the earth cable and spark cable next to each other.
9. The unit has a self reset security safety element. Please watch out for

## Purivox Triplex V bangs at times, when it shouldn't bang.

potential short circuits between the connectors.

10. Timer is set wrong.
11. The timer has no internal battery. So after removing the batteries or when the batteries are totally flat, the time must be reset when



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