ULTRASONIC PHASER PAIN FIELD GENERATOR

USER’S GUIDE

Model

AA7601 - AA7601RC
Congratulations!

You have just acquired an innovative, high-quality product. We have put our highest effort into each development stage. We are sure that you will find this equipment most reliable and accurate - exceeding your expectations.

Before using this device, we strongly recommend that you carefully read the user manual. There you will find all related information for correct handling and usage of this product.

We hope that you enjoy using this equipment as much as we did creating it.

De la Rosa Research Team.
A word of caution.

Ultrasound (ultrasonic generation) is a gray area when used in animal control or as a human intrusion deterrent in private property. It is always best to consult with local authorities and before using this device as home or property defense.
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UPPFG produces a time variable power field of ultrasonic shock wave energy. Its range frequency is adjustable from 10kHz to 25kHz, equivalent to 135 db, measured at 30cm away from the device. It can be assembled to vehicles for potential crowd control.

A lightweight, self-contained portable device for operation in the woods. Ideal for keeping out two and four-legged pests from garden and unauthorized areas.
SPECIFICATIONS

- **Power source:** 12V DC internal battery (Not provided) or external 115v-220v AC/12V DC, 2 Amp power supply.
- **Sound Range:** 50-100 feet (15-31 m)
- **Output:** 135dB over a 30° directional spread
- **Dimensions:** 6” x 6” x 4” (15,2 x 15,2 x 10,2 cm)
- **Wireless remote control.** (Model AA7601RC)
  - **Range:** 100 mts (300 ft)
- **Number of transducers:** 4
The High-Powered Ultrasonic System can be operated in two modes. Mode 1 (HIGH POSITION) is a frequency known to produce animal discomfort as paranoia, nausea, disorientation and many other physiological effects. Mode 2 (LOW POSITION) uses the system as an audible alarm to stun intruders or warn users of an intrusion. Both modes may be used concurrently and are easily controlled by the user from the rear panel.
FEATURES

- Quality
- Durable
- Recyclable materials
- Accurate
**TRANSDUCTERS**
4 transducers to increase sound power.
Sound intensity: 135 dB (At 30 cm.)
Adjustable sound frequency from 10kHz to 25kHz

**REMOTE CONTROL**
Small and easy to carry RC, that allows you to activate the equipment from distance.
Reach range: 100 mts (300 ft).

**BODY**
Black coated electrostatic painting, high durability and easy maintenance.
Built from high-quality components manufactured in USA, Japan, Germany, Italy, etc.

**MATERIALS**
Aluminum and acrylic body.
High resistant (and 100% recyclable) polymer base, easy to clean.

**FEATURES**
This equipment uses a DC Power adapter. 
Input: 100-240v 50/60HZ
Output: 12v DC - 2 Amps.

This plug allows users to install a wide range of accessories to enhance the effectiveness of the equipment. This equipment has been designed to be used for animal control or on human intruders.

User’s replaceable 2 Amps fuse.

Frequency sweep for increase stun effect.
PROCEDURE

General recommendations

Initial settings

Operating
PROCEDURE
// GENERAL RECOMMENDATIONS

In case that the product does not work properly, needs maintenance or it is damaged, please contact us. We will be more than glad to assist you with any issue.

Avoid crushing the product with sharp objects.

Always ensure proper power input.

Protect the product from rain and water.

Do not try to fix or dissemble this product by yourself.

1. Before making any adjustment, make sure to use ear protection to avoid unexpected sound discomfort.

2. It is recommended to use this equipment outdoors. When using it indoors, notice that sound waves will bounce widespread and make the sound travel aimlessly.

3. This equipment should be handled by adults ONLY (fully aware of its actions).

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Avoid crushing the product with sharp objects.

Always ensure proper power input.

Protect the product from rain and water.

Do not try to fix or dissemble this product by yourself.
1. WHAT SHOULD BE INCLUDED IN THE PACKAGE?

- **a.** Ultrasonic Phaser Pain Field Generator Body x1
- **b.** Radio Control x1*
- **c.** Power Adapter AC/DC 12V x1

*This Remote Control will be included only in AA7601RC model.

Depending on the geographical area were you are located, maybe you will need a power input adapter.

2. BEFORE START USING THIS PRODUCT, THINK ABOUT:

- Which power source will you use?
  - Battery
  - DC Power

- Which will the main use of the product be?
  - Animal control
    - High frequency for Animal Control 5 kHz to 25 kHz.
  - Human Intruders
    - Low frequency for Human Intruder 2 kHz to 10 kHz.
3 "WHAT DOES EVERYTHING I SEE MEAN?"

1. BATTERY / DC SELECT
   Use it to select the desire power source. UP selects Battery as power source. DOWN selects DC as power source.

2. HIGH / LOW
   Use it to select the desire sound frequency. Low for Human Intruders and High for animal control.

3. NO / NC
   NO means Normally Open. NC means Normally Close.

4. I/O SWITCH
   Use it to turn On/Off the equipment. This button is also a potentiometer you can turn up or down the sound frequency with.

5. SWEEP
   Use it to turn On/Off the sweep function. This button is also a potentiometer you can turn up or down the intensity of the sound’s sweep.

6. SHORTING PLUG
   Plug any external device to activate the alarm remotely.

7. CANINE
   Plug any accessory in this DIN 3 plug to generate ultrasonic sound for animal control.

8. PLUG 12V DC
   Use it to plug the power adapter when you want to use AC Power Source.

9. FUSE 2 AMPS
   This is the 2 Amps Fuse Case. In case that this fuse needs replacement, turn the fuse as shown and unscrew it from the main body.
**PROCEDURE // INITIAL SETTINGS**

**HOW TO ASSEMBLE IT?**

When using DC power source.

When using Battery power source.

**BATTERY / DC SELECT (1)**

Before plugging the DC Power Adapter, turn this switch DOWN to choose DC Power source.

**BATTERY COMPARTMENT**

Unscrew the four screws that secure the bottom panel of the equipment. Insert eight C size battery 1.5V. Check the polarity signals.

**DC POWER ADAPTER (8)**

Plug the smallest DC cable end (b) to this port. The opposite end should be plugged to a 110/220V AC- 50/60Hz power outlet.

**I/O SWITCH (4)**

To turn ON this equipment, turn this button to the RIGHT until you hear a “click”.

**BATTERY / DC SELECT (1)**

Before inserting the batteries, turn this switch UP to choose the Battery Power source.

**I/O SWITCH (4)**

To turn ON this equipment, turn this button to the RIGHT until you hear a “click”.

Notice that the I/O SWITCH is also the frequency button. Be careful when turning this knob.
# HOW DOES IT WORK?

## Before starting.

a. Make sure the BATTERY/DC SELECT (1) Button is on the right position.

b. Make sure the HIGH/LOW (2) Button is on the right frequency.

C. Make sure the NC/NO (3) Button is set on NO.

### Battery

- NC
  - When choosing NC, the equipment must be activated manually. Not remotely.

- NO
  - When choosing NO, the equipment can be activated with a remote control or any external device plugged to CANINE (7) or SHORTING PLUG (6).

### DC

- High frequency for Animal Control
  - 5 kHz to 25 kHz
- Low frequency for Animal Control
  - 5 kHz to 25 kHz

### PROCEDURE

## Setting sound frequency.

a. Turn ON the equipment by tuning the I/O SWITCH (4) to the RIGHT, proceed turning until you set the frequency to the End Point.

b. You will ONLY hear a sound when the UP NO/NC (3) button is UP on the NO position.

### IS THE SOUND YOU'RE HEARING THE DESIRED ONE?

- Battery
  - NC
  - DC

- NO
  - High frequency for Animal Control
  - 5 kHz to 25 kHz

- Low frequency for Animal Control
  - 5 kHz to 25 kHz

- Battery source, make sure the DC Adapter is unplugged.

- When using Battery power source, make sure the Battery compartment is empty.

- The sound made by the equipment might be very uncomfortable. Be ready to Turn the NO/NC button DOWN, and STOP the noise.

- Twist the I/O SWITCH (4) knob to the LEFT and Turn the NO/NC button UP (3). Repeat until you find the desired frequency.
Exploring the sweep effect.

a. Once you have selected the right frequency, explore with the SWEEP button to increase the pain effect.

The sweep button is also a potentiometer. When twisted to the right, it will generate a sweep effect in the sound’s waves.

b. You will ONLY hear a sound when you Turn the NO/NC (3) button UP.

The sound made by the equipment might be very uncomfortable. Be ready to Turn the NO/NC button DOWN, and STOP the noise.

Equipment is almost ready to use.

a. The equipment is almost ready to be used.

The final step is ensuring that the NO/NC (3) button is on the right position.

- Setting NC/NO in NO will allow you to activate the equipment with your Remote Control or with any accessory plugged on CANINE (7) or SHORTING PLUG (6).

- Setting NC/NO in NC will allow the sound to start automatically and it may only be STOPPED by turning off the equipment with the I/O SWITCH (1) or by turning setting NC/NO to NO.

By pressing UP, the equipment turns ON.

By pressing DOWN, the equipment turns OFF.
## ARE YOU EXPERIENCING PROBLEMS?

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>The equipment does not turn on.</td>
<td>The correct power source has not been selected.</td>
</tr>
<tr>
<td></td>
<td>The equipment does not have the usual sound power.</td>
<td>Battery</td>
</tr>
<tr>
<td>b.</td>
<td>The equipment does not turn on.</td>
<td>The fuse is damaged.</td>
</tr>
<tr>
<td>c.</td>
<td>The equipment does not turn on.</td>
<td>The DC power adapter is not connected properly.</td>
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<tr>
<td>d.</td>
<td>The Remote Control does not work.</td>
<td>The RC batteries could be discharged.</td>
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In case that you are experiencing a different issue from the ones listed before, or the product does not work properly, needs maintenance or it is damaged, please contact us. We will be more than glad to assist you with any issue.