
BIRD BUFFER Q2®

Operating Instructions

P/N 800045 (120VAC) (Heated unit below 55° F)

P/N 800046 (230VAC) (Heated unit below 10° C)

Thank you for purchasing *BIRDBUFFER Q2®* for bird control

**Read this guide thoroughly before operating your *BIRDBUFFER Q2*®.
Keep this manual in a safe place for future reference.**

info@birdbuffer.com

www.birdbuffer.com

866-557-4274

425-697-4274

425-776-5129 (fax)

BIRDBUFFER® is patented and registered trademark of BIRDBUFFER LLC

Rejex-it® Fluid is registered trademarks of Ceannard, Inc.

Specifications subject to change without notice.

Patent number 7334745

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1.1 Owner's Record

The model number and serial numbers are located at the back of the generator. Record them in the space below. Refer to these numbers in any correspondence with your retailer or with BIRDBUFFER LLC, Inc.

Model Number: _____

Serial Number: _____

1.2 Registration Card

Fill out and return the enclosed registration card. This will activate the product warranty.

If you have any questions about this product please call your retailer or BIRDBUFFER LLC at 1-866-786-2482.

**We believe you will enjoy years of great service if you care for and maintain
BIRDBUFFER Q2®.**

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1. Important Safety Information



WARNING!

Read and understand all labels and operating instructions before installing or operating the *BIRDBUFFER Q2*® and Rejex-it® Fluid.



WARNING: Risk of Fire or Electric Shock

- Never work on *BIRDBUFFER Q2*® without first disconnecting the power cord.
- This product should only be operated from the type of power source indicated on the marking label (120 VAC OR 230 VAC). If you have any doubts about the capacity or grounding of your existing circuits, consult a qualified electrician.
- This product is equipped with a three-wire grounding-type plug, a plug having a third grounding pin. This plug will only fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace the obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.
- Do not expose the device to rain or moisture. Make sure the area around the device is dry before turning power on.
- Provide adequate space for ventilation. Make sure the unit is located with 12 ft (4 m) of open area around it.



CAUTION: Risk of personal injury or equipment damage.

- Rejex-It® fluid will cause temporary irritation to eyes if touched while installing or pouring the fluid. Wear protective eyewear when filling the *BIRDBUFFER Q2*®. If fluid gets into the eyes, rinse thoroughly with water for 15-20 minutes.
- The fluid (Rejex-it®) may harm plastics, rubber and painted surfaces. Take precautions to avoid contact with these materials. Clean up spills promptly with soap and warm water.
- The fluid is very slippery. To avoid risk of injury, clean spills promptly.
- Never operate the *BIRDBUFFER Q2*® with water-based fogging fluids. This will cause irreversible damage to the tank. Use of fluids other than purchased from BIRDBUFFER LLC Rejex-it® Fluid will void the warranty.

Do not store the *BIRDBUFFER Q2*® in freezing conditions without a heater system installed. The unit will not start in temperatures below 50° F (10° C) without the heater system.

2. Description of The *BIRDBUFFER Q2*®

- *BIRDBUFFER Q2*® by BIRDBUFFER LLC guarantees 96% bird control in open spaces. BIRDBUFFER LLC guarantees that 96% of most birds will be roosting elsewhere in 30 days or your money back.
- The *BIRDBUFFER Q2*® may be used indoors and outdoors for control of birds such as starlings, pigeons, blackbirds, cowbirds, gulls, Canada geese, mallards, and other birds that have become a nuisance or health hazard in the target area. For owls, vapor at night.
- *BIRDBUFFER Q2*® delivers a small amount of very tiny particles (called nano-particles), projected as a dry vapor (very light fog) that stays suspended and does not settle to the ground.
- The motor is designed to throw the vapor away from the machine very quickly. At approximately 60 mph, the blower projects the vapor longer distances.
- *BIRDBUFFER Q2*® is automated. It operates with a cycle-timer to produce vapor pulses with duration of from 9 seconds to 2 minutes at intervals of 9 seconds to 4 minutes during the time of expected bird activity.
- Now it is possible to cover large areas of open spaces. The vapor is invisible and non-obtrusive. It will give you invisible protection, yet visible results.
- The grape-like scent has a pleasant fragrance.

Recommended Settings for Work/ Public Environment

	ON	OFF	A.M. HOURS	P.M. HOURS	FLUID
Small Area >10,000 sq. ft.	20 sec.	2.5 min.	4 hrs.	4 hrs.	3 qts.
Medium Area >20,000 sq. ft.	45 sec.	2 min.	4 hrs.	4 hrs.	4 qts.
Large Area >50,000 sq. ft.	45 sec.	1.5 min.	5 hrs.	5 hrs.	5 qts.
Open Area ½ acre	1 min.	2 min.	6 hrs.	6 hrs.	6 qts.
Open Area 1 acre	1 min.	2 min.	6 hrs.	6 hrs.	7 qts.
Open Area 2 acres	1.5 min.	2.5 min.	6 hrs.	6 hrs.	7 qts.
MORE	2 min.	2 min.	6 hrs.	6 hrs.	8 qts.

Figure 1.

3. Set of Equipment Supplied

Carefully unpack your *BIRDBUFFER Q2*® shipping container. Verify that you have received everything listed below. If something is missing or damaged please call your retailer or sales representative or call BIRDBUFFER LLC. Support at 1-866-557-4274 or 425-697-4274.

- *BIRDBUFFER Q2*®
- 4 cables 38” long with locking snap hooks (optional at time of order)
- 24 hour Timer w/ multiple 15 min settings
- 2 X IEC power cords w/ 3 prong grounded outlet (must be grounded)
 - 1. Cord to power the machine (plug into timer)
 - 2. Cord to power the heater (heater must always be on—not timed)
- Instruction booklet

3.1 Optional Accessories

- Rejex-it® Fluid P/N 840000 (as ordered)
- Hard metal cover (Grey) P/N 820051
- Drip pan P/N 820034 (holds 2 gallons)
- 3’ X 5’ Absorbent mat P/N 820057 (chemical resistant)
- Foam footing for rooftop protection P/N 820045
- Magnetic mount external heater P/N 820030 (below 25°F)

3.2 Tools Required For Job

- Stop watch or second hand
- Can of Windicator Vapor (for air direction)
- Dated bottle of Rejex-It® (dated within 1 year, Fig. 2)
- Cable Clamps (if necessary for replacement of netting)
- Rope (if placing high up to assist in lift)
- Gloves (supplied with fluid)
- Ladder, drill, electrician for power

Please contact BIRDBUFFER LLC (1-866-557-4274) for more information on optional accessories.



Figure 2. Rejex-it® Fluid for *BIRDBUFFER Q2*®

4. Operating The *BIRDBUFFER Q2*®

4.1 Vapor applications:

Definition: Vapor is the art of creating small, invisible particles in the air with a chemical fluid (Rejex-It®).

- *BIRDBUFFER Q2*® delivers an invisible dry vapor which is released into the open atmosphere. The vapor (which may condense on tip of nozzle only) will stay suspended and not settle to the ground.
- For vapor to be effective, the birds must be exposed to the vapor by flying through it. The fine vapor is designed to irritate birds only, affecting their eyes and mucous membranes without harm. Vapor works on most flying birds, dependent of their flying activity.
- When birds preen (clean) themselves, it's an indication that they are not comfortable. When they finally fly, they breathe faster and will absorb just enough of the vapor to cause them to want to leave the area. It may take several exposures; therefore the timer is necessary for continued vapor in the air during their active periods.
- Some small birds like starlings & finches can become pests doing tremendous damage, and are very difficult to dissuade. These and other smaller birds need more concentration and may require other stimulus such as a thermal fogger treatment. Three to five thermal treatments may be necessary in the beginning of the project. Contact *BIRDBUFFER LLC* for further instructions.
- Usually 4-6 hours in the morning and 4 hours before sunset is sufficient each day. It takes time for birds to locate a new home and new feeding grounds. After the initial vapor operation most birds may return to see if the vapor has subsided. In subsequent vapor operations the number of birds returning will decrease.

- **Outdoor Applications:** It must be considered that birds in a flock will be exposed to the vapor and; therefore, will effectively learn to locate new nesting/feeding areas together during the day. If a bird is seen going in and not coming out, it is an indication to the rest of the flock that it is ok to join him and they will all want to come in. When they leave, they are telling the rest of the flock it is not a good location to roost or feed.
- Be sure the birds can find an exit, have it well lit or open for the birds to see clearly. It is important to expose as many birds as possible to the vapor. In subsequent vapors the birds will leave much faster and it will take longer for them to return. Maintain vapor for birds in flight.
- **Rejex-it® Fluid** bird repellent is used without any dilution. It is made from organic liquid formulation, which does not mix with water. **Use full strength.**
- Vapor requires very little product. Indoors, apply one (1) gallon of undiluted **Rejex-it® Fluid** each month. With one gallon **Rejex-it® Fluid** you can vapor for an entire month over several acres. By reducing the length of the application over time, less **Rejex-it® Fluid** will be used.
- Vapor operation after dark is wasted and should only be used for owls. Birds cannot find other locations in the dark. Wait for morning operation to automatically come on each day.

4.2 Preparation for Bird Control

1. Good bird control requires the need to *clean* the area of all droppings, feathers, nests or other signs that birds have been in the area. This may include washing difficult to reach areas. Each bird dropping is a signal to other birds that birds live here and are welcome. Removing the “welcome sign” is very important step.
2. Use proper cleaning material as bacteria and other parasites are normally contained in the bird droppings, feathers and nests. Wearing proper personal protective clothing, such as gloves, goggles, breathing masks and possibly boots, may be necessary.
3. If painted surfaces have been deeply pitted and raw metal exposed due to the acidity of bird droppings, use proper care in repainting the area.
4. This clean area will now become your starting point. The area of bird activity may necessitate moving of the machine, re-directing, or increasing the timing of the unit (See *Figure 1*).
5. Timing of the unit is critical. It will be necessary for you have a secure constant power source that will not be disturbed. If the power is stopped, the timer will no longer be set to the correct time and may not turn on at the designated time periods. Reset the time on the 24 hour clock timer only. The cycle-timer will not change.
6. If power is lost to the unit, reset the clock timer only. The clock timer must be set to the correct time of day for proper operation during the day until dark.
7. Proper daily operation of the unit will insure that new flocks or migrating birds will stay away. They will fly in and leave if they are not established birds. Established birds (or local birds) are birds that have been there a long time, were born there, or feed there regularly every year. It always takes longer to remove locals.

4.3 Selecting the Location

1. Secure a good location for the machine to rest solidly on the roof or hang from the trusses with the (optional) supplied cable.
2. Place **BIRDBUFFER Q2®** away from the vicinity of the nuisance birds, keeping the output of the machine away from direct contact with electrical instruments and people, rubber equipment, electrical wires, painted surfaces or contact with close objects (see 4.4). A clear area of 50 ft.-100 ft. or more in front of the output is required.
3. Wind direction is key to best coverage. Point the machine *with* the wind direction assisting. Always allow plenty of air circulation with use of air currents to allow the vapor to expand, separate and spread over a larger area. Proper circulation of the vapor is important. We recommend using the wind or air circulation to direct the vapor towards the birds. Changing winds may require more units. Normally 60% of the same wind direction is good.
4. The automated timer will continually release product every 2.5 minutes for 20-40 seconds when set (See *Figure 5*). This will be sufficient to cause most birds to leave the area in 1-2 weeks.

4.4 Windicator Smoke in a Can

1. If you are using a can of the Windicator (See *Figure 3*), spray the smoke into the air. See air flow changes, detect drafts, and study air currents.
2. Determine location of **BIRDBUFFER Q2®** to be upwind of bird pressure area. Locate electrical power.
3. Windicator lets you see which way the current carries the vapor from the **BIRDBUFFER Q2®**.



Figure 3.
Windicator Smoke (8 oz.)

4.5 Electrical Power Requirements

1. This machine requires a properly grounded 120VAC, 10amp (230VAC, 5 amp for overseas operation) circuit for operation.
2. Use a meter to verify a full 120VAC (or 230VAC) is being supplied. If using an extension cord, a minimum size 14AWG 3 wire cord may be used for 50' or less. If over 50', use 12 AWG 3 wire. Only use NEMA approved molded plugs (no cube taps or octopus plugs). Do not use 2 wire extension or lamp cords.
3. You may need 2 or 3 outlets for the heaters. This machine requires 6 amps of electricity. If the cord gets warm, you need to replace with a larger size cord.

4. **BIRDBUFFER Q2®** draws approximately 5.5A –6A at 120 VAC. If you have any doubts about the capacity or grounding of your existing circuits, consult a qualified electrician.
5. Do not add other equipment on this circuit besides the heaters.
6. Plug heater directly to power that is “On” 24 hrs/day.
7. Do not plug the heater cord into the 24 hour timer as it will not keep the machine warm when the timer is off. It must be plugged directly to power source.
8. Protect all electrical connections from the weather. Use a hard cover for outdoor applications to keep all electrical cords out of water.
9. Additional heater (see 4.10) for temperatures below 25° F.

4.6 Hooking up The **BIRDBUFFER Q2®**

1. Check for proper matching voltage outlet (section 4.5).
2. Plug in cord provided.
3. Tilt the unit up a few degrees in the front, to prevent a drip at tip, not exceeding 10°. If a higher angle is required, reset the location or increase the height. Place the machine so that the vapor goes with the wind direction. Note: accumulation of vapor fluid may accumulate at the tip if the unit is on for longer periods of time. This may cause the tip to drip or spit - lay paper on roof for 2 hour test.
4. A second cord is provided to plug in the heater unit. This unit has a self regulating thermostatically controlled heating unit to keep the inside unit above 55°F at all times. (For cold temperature areas). Plug cord into IEC connector, pushing in completely. Male plug must be plugged directly into outlet. **DO NOT PLUG INTO TIMER.** Heater must always have power. Do not plug into a power source that has no power at any time. This must have power ALL of the time.

4.7 Operating the **BIRDBUFFER Q2®**

1. After plugging in the 120vac (or 230vac P/N 800036) power cord, turn “on” the large power switch, which will illuminate. The fan will start. NOTE: The compressor only starts when the timer is set. The timer always starts in the “off” position. (See below to set timer). Now you have verified the power is turning on the light of the switch.

2. The left knob controls the length of time the compressor will stay “on” (0-120 sec). Set this knob to 1/3 up or 20 seconds. Run a test to be sure this is set correctly using your second hand on your watch.
3. The right knob controls the length of time the compressor will be “off” (0-4.5 min). **BIRDBUFFER Q2®** operates best with the cycle timer applying 2.5 minute pulses for 4 hours after sunrise and 4 hours before sunset.

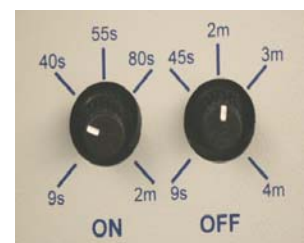


Figure 5.

4. Check the timing cycle with the second hand on your watch to. Remember, the cycle-timer always starts in the “off” position. When you turn on the timer, the 2.5 minute delay

is correct. Then the motor starts and runs for 20-30 seconds. It is ok to run this machine empty. No harm will come from testing the machine while empty or if it runs out of fluid.



CAUTION: Risk of eye irritation. Wear goggles.

Vapor Fluid causes acute but temporary irritation if it comes in direct contact with the eyes. Always use protective eyewear when operating the generator up close. If vapor fluid gets into the eyes, rinse thoroughly with water for 15-20 minutes.

5. You are now ready to place the fluid inside the machine. **IMPORTANT:** Use only Rejex-it® fluid dated within 1 year, with BIRDBUFFER LLC label dates on back. Pour 1 gallon of **Rejex-it® Fluid** into fill spout. Use full strength. Unit will work with ½ quart; it does not need to be full (½ qt. could last 64 hrs. of constant vapor). Use of any other fluids will void your warranty. Only add fluid when empty. Keeping fluid fresh is highest response.
6. Test the machine again to see the vapor coming from the machine. If unable to see vapor output, place a light source behind vapor and look into the light, through the vapor. You should smell the scent. It should not be strong inside any room.
7. Next, unplug the machine power cord (bottom cord) and plug this cord into the front of the 24 hour timer. Plug in the timer to the power outlet. Set the timer to current local time at installation, using the instructions on the timer door. **Note:** Be sure timer is set in the correct AM/PM position to prevent machine from running at night (unless nocturnal birds).
8. The timer comes preset to a standard operating schedule. You may need to adjust the timer to operate for longer or shorter intervals, using the instructions on the timer door. Set it to the proper time of day, keeping in mind any change of daylight savings.

4.8 Vapor Fluid Storage

1. Store vapor fluid only in the original container apart from pesticides, fertilizers, food or feed that may cause cross-contamination from odor.
2. Store out of reach of children and pets. Store at room temperature. Keep tightly closed when not in use. Do not store in direct sun light.

4.9 Roof protection

1. Use the Cover #820051 for outdoor use, the Drip Pan #820034, and the chemical Absorbent Mat #820057 to protect the roof surface from the legs and any chemical spills.
2. Rooftop Protective Feet #820045 hold the Bird Buffer Q2 up about 6" on a larger base, soft material to protect the roof and give height to stay out of snow.

4.10 Use of additional Magnetic Heater

1. When the temperature drops below 25° F, the heater built in to the Bird Buffer Q2 cannot maintain the warmth necessary. Attach the Magnetic Heater #820030 to the bottom of the front of the machine (if hanging or accessible) or the front fill hatch where the tank is exposed to the cold.
2. When filling you may need to remove it temporarily, then replace when full and close the hatch.

4.11 Cover for outside #820051

1. Use of the Bird Buffer Q2 outdoors requires the metal cover to protect it from rain and snow. After setting the timer and testing the unit, simply slide the cover over the top of the unit and set down on the legs.
2. Using the Bird Buffer® Q2 without a cover outdoors will void the warranty and could possibly damage the electronics as well as motors.

Summary

The *BIRDBUFFER Q2*® produces a fine vapor using Rejex-It® Fluid Bird Repellent. The vapor is very repellent to birds but non-harmful to humans, animals, or even the birds. After several exposures to the vapor, birds generally leave the area. The vapor is not harmful to target or non-target birds or other animals. The repellent formulation is based on Methyl Anthranilate, a constituent of concord grapes. Methyl Anthranilate, or MA, has been used by the food and drug industry for more than forty years to flavor candy, sodas, gums, and drugs; and it is on the U.S. Food & Drug Administration's "Generally Recognized as Safe" (GRAS) list. A sweet grape scent may be present up to 500' away. This is normal.

5. Frequently Asked Questions

5.1 HOW DOES VAPOR WORK?

To be effective, the birds must be exposed to the vapor. The fine nano-particles irritate their eyes and mucous membranes with minimum risks to them. Vapor works on all active birds. They must breathe the vapor in order for it to be effective. It may take several exposures to the vapor for the birds to learn to leave the area. Smaller birds respond slower and may need higher concentrations to activate them to fly more.

5.2 DO I HAVE TO DILUTE THE VAPOR FLUID?

Rejex-it® Bird Repellent is used without any dilution. It is a natural grape concentration formulation which does not mix with water. **USE FULL STRENGTH.** Check date to be certain product is fresh within one year.

5.3 HOW MUCH DO I NEED?

Vapor requires very little product. Generally 1 gallon lasts 1 month when the cycle-timer and 24 hour clock are set to work as instructed. Longer duration settings may use more fluid. Check usage more often.

5.4 HOW OFTEN DO I HAVE TO VAPOR?

Usually during 4 hours after sunrise and 4 hours before sunset of vapor applications are sufficient to repel established flocks of birds from the treated area. It takes time for the birds to find a new home and new feeding grounds. Nesting birds will continue to nest until younglings are ready to fly. New flocks will not join them while *BIRDBUFFER Q2*® is working.

5.5 WHAT IS THE BEST TIME TO VAPOR?

Apply vapor in the area of bird flight during their highest activity. If birds are present be certain the birds have an exit and can leave the area. For best repellent effect, the birds must fly through an established vapor. For best results, have the vapor present when the largest amount of flying activity will take place, normally after dawn and before dusk.

5.6 WHY IS THERE A DRIP ON THE TIP OF THE OUTPUT?

The amount of condensation can depend on vapor accumulated on the tip. Increased output can make higher accumulation. A drip pan #820034 and/or Absorbent Mat #820057 can be placed under the drip. If the birds have left the area, you may shorten the "ON" time and lengthen the "OFF" time on the cycle-timer. Wipe the drip off the tip of the nozzle as you see it accumulate and tilt the machine up in the front slightly to cause it to run back down into the machine. A slight drip is normal and does not indicate a problem. A higher output machine may have more of a drip than a lighter output machine.

6. Service and Maintenance

Care of your *BIRDBUFFER*® will give you years of service. Note: cleaning your unit is going to pay off in constant good performance. Your *BIRDBUFFER Q2*® will provide years of reliable service with proper care and maintenance.

1. Each month, take out the filter in the door and check vents outside in order to remove accumulated dust and dirt. Keep the vents clear and wash the filter with soap and water, then replace. If you are using the *BIRDBUFFER Q2*® in a high dust area, you will need to change the filter (or wash it) more frequently. You may need to order additional dust covers to keep clean. A separate finer dust cover is available for fine dust.
2. Check the nozzle for any drips. If dripping is accumulating, wipe the nozzle and tilt the unit back a few degrees to decrease the drip. Order a drip pan or drip mat from Bird Buffer. Condensation causes accumulation and may drip occasionally. Call for questions. This is not a malfunction of the machine. (If possible turn it down.)
3. Check in the fluid tank for dirt or debris. Clear fluid should be visible. Allow the tank to run completely dry before adding new fluid. This keeps fresh fluid in the tank and keeps it fresh for best bird control. Do not top off as this dilutes the freshness of the fluid.
4. Check the electrical connections to be certain they are not becoming brittle or weak. Push all connections in to be certain all are not loose.
5. Adjust the timer for your area and bird pressure. Use higher outputs when first starting; then adjust downward as the birds leave the area. You will be able to shorten the "ON" time and lengthen the "OFF" time.
6. Be certain to change the clocks for daylight savings time and adjustment of daylight hours when the birds are active. Coming on 30 minutes before sunrise and going off 30 minutes after sunset is the best setting. If the birds are active, use more time. After dark it is not advised to waste fluid as the birds cannot relocate in the dark.

7. Do not transport or ship the *BIRDBUFFER*® with fluid in the tank. To drain the tank, refer to the instructions in the section Shipping Preparation (11). This can void your warranty.

7. Troubleshooting

7.1 If the fuse blows, the indicator light on power switch will not illuminate

- If vapor stops working, first check fuse located under the plug. Remove the plug. With a screwdriver, slide drawer straight out (completely removing drawer); the fuse is located on the end. If blown, a replacement fuse is located inside the box next to it. Use old fuse to push out new fuse and snap into position.
Note: Replace only with the spare provided or an exact equivalent: 5 x 20mm 10A 250V time-lag.
- Inadequate extension cords can result in low line voltage, which causes the fuse to blow. Check cords for proper size and condition (see section 4.5). Cord must be 12AWG 3 wire if 100'. Replace cord with heavier duty if worn. Check to see circuit of outlet is not overloaded with other equipment. This unit needs a 10 amp circuit.

7.2 If the compressor starts to work, then stops and pops the fuse

- You may have a cold unit. Below 50° F is too cold and it will not start due to sluggish lubricant in the pump. Replace the fuse (see section 9.1 above) and let the unit warm up in a warmer environment or be certain the heater is working. Once it is warmed up, try again.
- Add the thermostatically controlled magnetic heater to the front of the unit for colder weather than 35° with the internal heater. This is an easy add on. Just plug it in.

7.3 If there is no vapor

- If compressor is running, but no vapor is coming out, be sure you have used the correct vapor fluid and fluid is inside.
- Check the fluid level to be certain there is fluid in the tank. Fill as necessary
- Also, ***Water-based vapor fluid causes clogging of the tiny arteries and will cause the unit to stop working.*** Replacement of tank may be necessary if this occurs.

7.4 Why is there a drip at the tip of the output?

- Occasionally a drip may accumulate at the tip of the Bird Buffer Q2. This is normal and not a malfunction of the machine. For more information, see FAQ on page 13, 5.6.

8. Specifications

The <i>BIRDBUFFER Q2</i> ® developed and patented by BIRDBUFFER LLC Everett, WA USA P/N 800045 w/htr 120vac P/N 800046 w/htr 230vac	
Type of Vapor	MA, Grape like scent, even, transparent, long-lasting
Weight	85 lbs / 38.6 kg
Weight w/cover	110 lbs / 50 kg
Size	20.5" x 12.25" x 22.25" (52cm x 31cm x 56.5cm)
w/Nozzle extension (optional)	+20" L / 50.8 cm
Outlet size	2" x 2".
Shipping Weight	91 lbs / (41.3 kgs)
Shipping Box Size	25" x 25" x 25" (63.5 cm x 63.5 cm x 63.5 cm)
Fluid	*Rejex-It® Fluid (must be dated fresh) BIRDBUFFER LLC Label
Fluid Consumption	½ oz (30ml) per ½ hour or 1 qt (0.95 liter) per 32 hours
Output speed	60mph velocity
Warm Up Time	None; with heater 3 mins.
Operating Temperature	35°F – 104°F
Continuous Vapor	Can run continuously, recommend use with cycle timer & 24 hr timer
Duration indoors	Vapor lasts 2 - 3 hours per 30-45 sec output use
Cycle-Timer Control	Included: 20-30 sec min. "On", 2 min. "Off"
24 hr. Timer	Included: "On" and "Off" settings
Fuse 120 VAC	5x20mm:10A / 250vac time-lag (P/N 704055 for 110vac units)
230 VAC	5x20mm 5A / 250vac time lag
Heater Fuse	5 x 20mm, 2A, 250vac P/N 704051 (good to 35°F)
Electrical Supply	120 VAC, 10amp, 60 Hz 230 VAC, 5amp, 50 hz
Electrical Supply w/Heater	120 VAC, 2 amp fused connection
Limited Warranty	One year limited warranty on tank and compressor, 90 days on electrical components
Limited Guarantee	96% bird control, bird control roosting 100%, guaranteed bird control in 30 days—see guarantee
Accessories not included;	Floor mat for chemicals Thermostatic magnetic heater for colder than 35° Drip pan for catching pouring fluids Thermal fogger for smaller birds Rejex-It Fluid® Fog Force
Accessories included:	2 x power cords (optional) 4 x hanging cables with snap hooks 24 Hour Timer
Rev.5 4- 2010	
*Rejex-It® Fluid is a registered trademark of Ceannard, Inc.	

9. Shipping Preparation

1. If shipping by a common carrier, **you must empty all fluid from the unit** by draining. Remove the cover hatch over the fluid tank fill. Place a container under the drain plug, then remove plug to allow fluid to drain out. Gently tilt the machine upward. This will allow all of the fluid to drain from the unit. Do not tip backwards when full of fluid. This will cause fluid to fill the vaporization head and causes damage.
2. Reusing this fluid requires filtering through a nylon filter. Always check used fluid for clarity and date. Never use old or outdated fluid. If the fluid is dark, discard.
3. Return unit upright and wipe up all spills or drips.
4. Put unit in a plastic bag to prevent other dripping in box while being shipped. Standard carriers may decide not to deliver the box if a leak is detected. Always send an MSDS sheet with the fluid or machine that has touched the fluid for carriers to have this information and not discard the machine.
5. Discard fluids according to local instructions as listed on the MSDS sheet or return to the original marked container.
6. Mount unit on a plywood base and attach using bolts or screws. Surround the unit with heavy duty cardboard boxes with at least 2" space. Set the machine inside the box in the upright position. Never ship the unit on its back.
7. If you are returning the unit for repair, follow the steps on the RMA authorization under warranty.
8. A slight drip from the nozzle is not considered a faulty unit and will not be covered under normal warranty.

12. Limited Warranty Conditions

This limited warranty guarantees to the original purchaser that this product shall be free of defects in material and workmanship, under normal use, for a period of one year from the date of purchase shown on the sales receipt. This warranty covers parts and labor providing the product is returned to BIRDBUFFER LLC in the original shipping carton and packaging. The warranty for electrical is a (90) NINETY DAY limited warranty.

Damage resulting from shipping, accidents, misuse, negligence, unauthorized repairs or modification is not covered by this warranty. Using any fluid other than what is recommended for this machine will void warranty. No liability is accepted for injury or for loss, damage or expense resulting from any interruption whatsoever in the operation of the product or from any consequential loss arising there from. No liability is accepted for normal wear and tear.

We wish to satisfy YOU, our customer, and have implemented many measures to prevent problems and assure customer satisfaction. However, should you need a missing part or have a functional problem with your product, please call (866) 557-4274 from 7:30 am – 4:00 pm (Pacific Time) Monday – Friday, except for holidays. Our customer service department will respond to your problems immediately.

Please have the following information available when you call:

Model and Serial Number

Where and when the product was purchased

Nature of the problem

Subject to the following conditions, BIRDBUFFER LLC will repair any defect or fault in the unit if it is caused by a proven factory defect within one year of delivery to the end user. Insignificant deviations of the regular product quality does not guarantee replacement rights, nor do faults or defects caused by water, by generally abnormal environment conditions or Force Majeure:

1. Faulty parts will be repaired or replaced (manufacturer's choice) with correct parts. Faulty units must be shipped to BIRDBUFFER LLC at customer's expense. RMA # must come with the unit. A slight drip is not covered under warranty or replacement.
2. The customer loses all rights for limited warranty services, if any repairs or adjustments are done to the units by unauthorized persons and/or if spare parts are used, which are not approved by BIRDBUFFER LLC. The right of limited warranty service is also lost if a fluid other than appropriate BIRDBUFFER fluid has been used or if units are sent in full of fluid.
3. Freight costs to and from BIRDBUFFER LLC when under the limited warranty services are the responsibility of the customer. Customer must place appropriate insurance on return of product. However, if product is returned due to factory defect within the first 30 days of receipt, BIRDBUFFER LLC will cover the cost of returning the repaired unit to the customer.
4. Limited warranty services do not cause an extension of the limited warranty time or the start of a new limited warranty time. The warranty of replaced parts ends with the limited warranty time of the whole unit.

5. If a defect/fault can not be repaired by us in a satisfactory time, we will, within 30 days after sale of the unit, either:

Replace the whole unit for free or take back the whole unit and refund the purchase price.

6. Further claims, especially for damages, losses etc. outside the unit are excluded.
7. Your limited warranty coverage is based on completion of the warranty card and returning it with your proof of purchase within 30 days of purchase.

Your limited warranty coverage is based on completion of the warranty card and returning it with your proof of purchase within 30 days of purchase. If you should send the unit for service, do not forget to remove any liquid from the fluid tank, and place unit in original box. Obtain your RMA# by calling BIRDBUFFER LLC. Payment arrangements for repair must be made before receiving RMA # in case unit is not covered under Limited Warranty.

Send unit to:

**BIRDBUFFER LLC
RMA # XXXXXXX
1420 80th ST. SW
Everett, WA 98203
Tel: (866) 557-4274 or (425) 697-4274
Fax: (425) 776-5129
E-mail: info@birdbuffer.com**

www.birdbuffer.com