



**BR-15/BR-40
ELECTRONIC BIRD REPELLER**

USER MANUAL

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Electronic bird repeller BR-15 / BR-40

- Uses a mixture of distress bird calls, predatory calls and gunshot sounds
- Deters animals without harming them in any way
- Ultrasound option for increased efficiency
- 12 VDC power supply
- 230 VAC powering possible via power adapter
- Solar panel option available
- LED status indication
- Programmable “day”, “night” or “day+night” modes

TECHNICAL SPECIFICATIONS

Operating voltage	12 VDC
Power consumption:	
BR-15	15W
BR-40	30W
Coverage:	
BR-15	up to 5000 sq.m.
BR-40	up to 40000 sq.m.
Operating temperature	0 - +40°C
Humidity range	10 – 90%R.H.
Dimensions:	
BR-15	280x280x190-mm
BR-40	280x280x190mm
Enclosure material	ABS
Enclosure color	Black
Conformity mark	CE

ORDER INFORMATION

ORDER CODE

ELECTRONIC BIRD REPELLER

BR-15

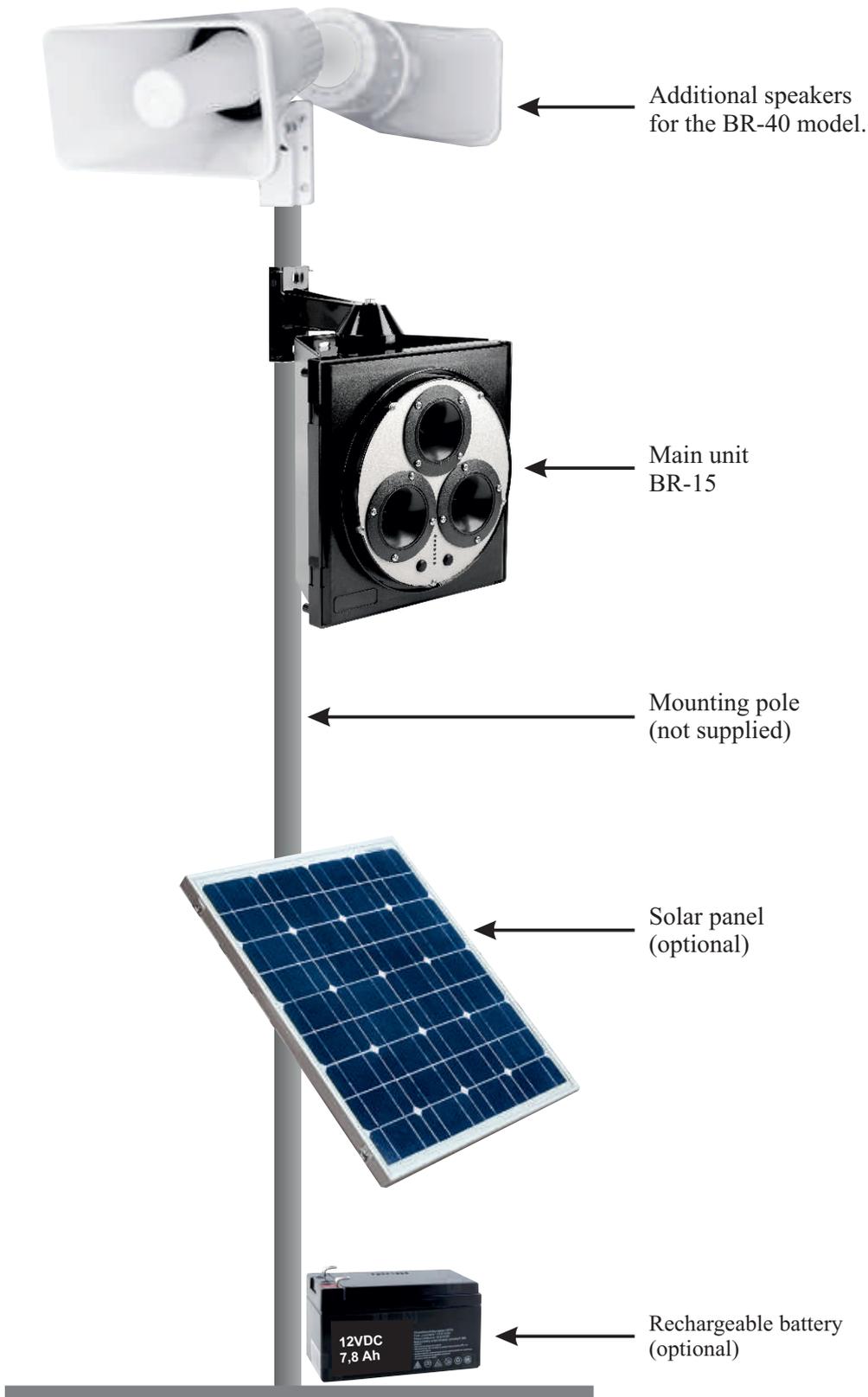
BR-40

OVERVIEW:

The BR-15 and BR-40 electronic bird repelliers utilise a mix of pre-programmed digital recordings to deter unwanted birds in a variety of outdoor settings. Coupled with an ultrasound option for increased effectiveness, the sound samples include distress calls of the targeted species, along with the calls of their natural predators and gunshot noises.

The powerful inbuilt speakers of the BR-15 are enough to treat an area of over 5,000 sq. meters and, with its additional amplifier and speaker set, the BR-40 boasts a coverage of over 40,000 sq. meters. The exposure to these sound emissions triggers a fight or flight response in the birds and soon leads to significant decreases in their population.

THE BR-15/BR-40 KIT COMPRISES:



BIRD CONTROL GUIDELINES

Formulating and following a consistent bird control strategy is instrumental to successfully repelling unwanted flocks from your target premises. We propose the following guideline as a good comprehensive starting point for most infestation scenarios. Please read all instructions prior to installation and, should you choose to follow the listed suggestions, please do so in an exhaustive manner for maximum effect. Also, note that bird feeding patterns may take several days or weeks to break, hence the need for thoughtful preliminary action and patient application of the key control methods. Lastly, it is important to be aware that under extreme drought or other adverse conditions, birds will disregard all deterrents and risks in order to survive.

To obtain optimal results:

- It is advisable that the BR-15/BR-40 electronic bird repeller be installed at least two weeks before birds are expected to appear in the control area. It is easier to deter birds before they have discovered a food source than it is to do so once a feeding pattern has started to develop.
- Choosing an optimal location for your BR-15/BR-40 is essential for ensuring the effectiveness of the unit. The device should be mounted as high above the ground as possible, and away from any direct obstructions, in order to allow a free dispersion of the sound. This would guarantee that the BR-15/BR-40 operates at its maximum coverage. Wind also has a substantial effect on the trajectory of the sound waves and thus, the performance of the unit. In case you have observed or are able to determine a regular direction of the airflow within the control area, we recommend that this is used to the advantage of the device.
- If possible, it is advisable to avoid mounting the main panel and additional speakers in direct sunlight, while the solar panel should be exposed the maximum possible amount of sunlight.
- In positioning the device, it is crucial to factor in some behavioural characteristics of the birds, specifically the nature of their feeding patterns and their choice of dwelling spots. Areas near a water source like rivers and lakes are normally among the chosen for hiding and rest while trees with a greater crown spread serve as good places for birds to nest and seek shelter. Further, it is helpful to take into account that in most cases birds will begin feeding or settling from the outer end of the control area.

It is therefore imperative to consider such features of the landscape as part of the control area and install the BR-15/BR-40 accordingly. In case these territories are not fully covered, the risk of intrusion will not just be limited to them. Once the flock proceeds past the perimeter of the control area and starts developing a feeding pattern, it becomes more likely to habituate to the sounds of the device and encroach further. It is therefore advisable to target the birds as soon as possible, preferably before they have had a chance to settle in the target area.

In terms of setting up the BR-15/BR-40 bird controller we recommend using a dynamic approach whenever possible. The initial stages of using the unit should be aimed at creating a hostile environment for the birds and causing the biggest possible shock. For this reason we recommend using the BR-15/BR-40 unit at full volume and a low delay time setting. It is important to ensure that the system is operational at all times, especially during these introductory phases, so regularly check the power source to make sure it is functioning properly.

Within a short period of time, the BR-15/BR-40 will likely cause changes in the behavioural patterns of the birds, which may necessitate alternative courses of action and methods of control. For example, be wary of different resting locations and points of entry of the flock, as this may call for repositioning the device. Further, it is not uncommon to notice a change in the species of bird, which would require reprogramming the device to include a new mix of the appropriate sounds.

Overall the BR-15/BR-40 bird repeller is a useful addition to any bird control strategy and should be treated as such. While it would yield a satisfactory effect as a standalone solution, its peak performance could be achieved as part of a holistic bird control system. A dynamic approach of adaptation and continuous control could make all the difference for your control area.

COMPONENT LIST

Item	Qty	Notes
	1	
	1	
	1	INOX, M8x60mm
	2	For BR-40 only Includes 4 screws M8x50mm
	2	INOX, M8x50mm
	1	Optional Include: - 1 pcs. Panel Mounting Bracket - 2 pcs mounting screws M8x50mm
	1	Optional
	1	Optional
	1	Optional

ASSEMBLY GUIDE

Mounting

When installing the BR-15/BR-40 electronic bird repeller, it is advisable to place the unit and additional speakers in the highest possible position.

In case you are using a mounting pole:

1. Fix the mounting bracket to the pole using included mounting screws M8x50mm.(Fig 1)
2. Connect the main unit to the bracket and fix it using the fixing screw M8x60mm. (Fig 2)
3. For the BR-40 model - mount the speakers in the highest possible position on the pole using fixing screws M8x50mm and connect them to the main unit. (Fig 3)

In case you are using a solar panel power supply:

1. Fix the solar panel to pole using included 2 screws M8x50mm. (Fig 4). Adjust the solar panel position to a 45 degree angle.
2. Place the rechargeable battery into the battery box and connect it to the solar panel controller cables - red cable to the (+) and black cable to the (-) pin of the battery. (Fig 5)
3. Connect the cable from the solar panel to the battery box and the battery box to the main units port power supply.
4. For the BR-40 model - connect the speaker cables to the main unit ports for Speaker 1 and Speaker 2. (Fig 6)

When properly connected, the BR-15/BR-40 unit starts working automatically.

Figure 1



Figure 2



Figure 3



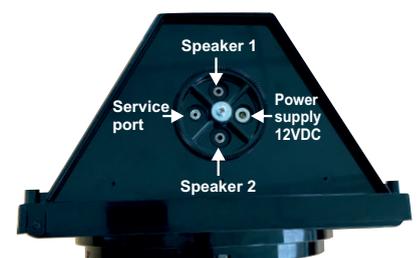
Figure 1



Figure 2

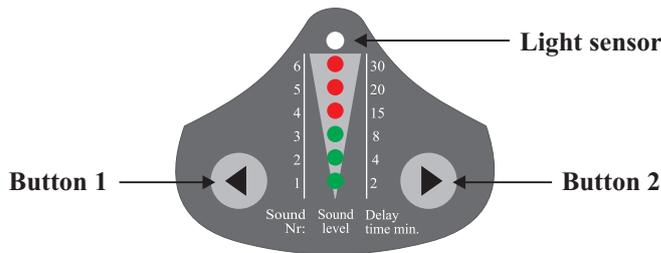


Figure 3



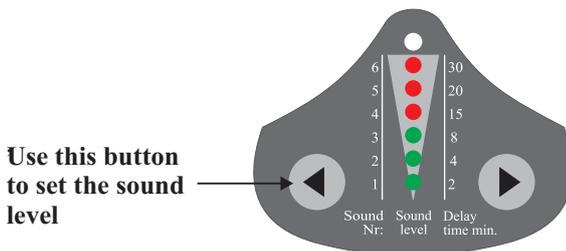
SETTINGS:

The BR-15 can use battery power (via a power cable) or could be powered with an AC adaptor. A solar panel option is also available. Once the unit is powered up, the LEDs will flash consecutively (from 1 to 6). The device will then go into normal operation mode, which will be indicated by the illumination of just the first LED. You can now begin setting up the BR-15/BR-40 unit, using 2 buttons on the control panel. The following adjustments can be made via the front panel of the device - Sound Level Settings, Delay Time Settings and Settings for Day/Night Mode.



1) Sound Level Setting

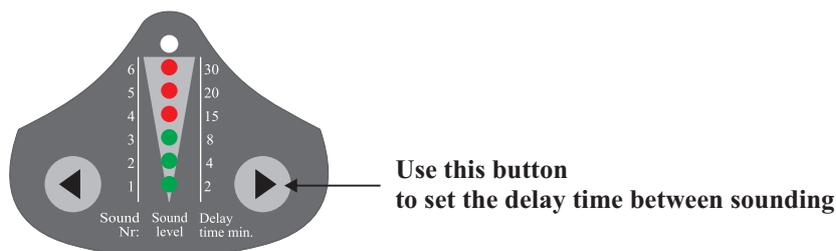
Press and hold the LEFT button. After about 4 seconds all of the LED's will light up. This means that the unit has entered the Sound Level Setting mode. You can then release the button.



The BR-15/BR-40 unit has 6 available sound levels, which are indicated by the LEDs on the front panel of the device. The output of the unit can be adjusted using the LEFT and RIGHT buttons to respectively decrease and increase the sound level. While the device is in Sound Level Setting mode, the currently selected output level is indicated by the LED indicators. Once you have chosen your desired sound level, all you need to do is wait for 5 seconds and settings will be automatically saved.

2) Delay Time Setting

Press and hold the RIGHT button. After about 4 seconds all LED's will light up. This means that the unit has entered the Delay Time Setting mode. You can then release the button.

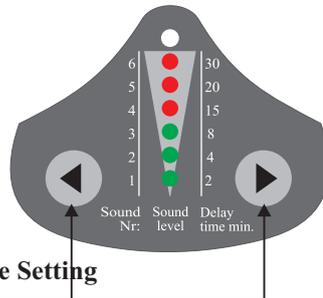


The delay time can be adjusted between 2 to 30 minutes, using the LEFT and RIGHT buttons to respectively decrease and increase the interval. While the device is in Delay Time Setting mode, the currently selected delay option is indicated by the LEDs. Once you have chosen your desired delay time, all you need to do is wait for 5 seconds and settings will be automatically saved.

3) Day/Night Mode Setting

The BR-15/BR-40 unit features a built-in light sensor, which automatically differentiates between day and night periods. In order to go access the Day/Night Mode Setting, press and hold the LEFT and RIGHT buttons simultaneously. After about 10 seconds all LED's will light up. You can then release the buttons.

Press and hold both buttons simultaneously to access the Day/Night Mode Setting



The BR-15/BR-40 offers supports three options

1. Day mode - The three green LEDs are ON. In this mode BR-15/BR-40 will work only during the day.
2. Night mode - The three red LEDs are ON. In this mode BR-15/BR-40 will work only during the night.
3. Day+Night mode - Both the three green and three red LEDs are ON. In this mode BR-15/BR-40 will work during the day and the night.

You can toggle between the three modes by pressing RIGHT button. Once you have chosen your desired mode of operation, all you need to do is release the button and wait 15 seconds. The settings will be automatically saved and the device will exit the Day/Night Setting Mode.

WARRANTY

We hereby guarantee that BR-15 & BR-40 electronic bird repellents have been manufactured and tested to the highest quality standards.

We therefore warrant the BR-15 & BR-40 models to be free from any manufacturing defects. If such defects, or other malfunctions resulting from them, should appear during a 12 month period from the date of purchase, we certify that the affected products will be repaired or replaced free of charge.