BL NATURAL FLUSH™ BIRD LAUNCHER

BL Series Owner's Manual

BL 500 • BL 505 • BL 509
BL 700 • BL 705 • BL 709

IMPORTANT NOTE

Please read this owners manual entirely before operating this unit. Should you have any questions about our Launchers or their operation please contact our Customer Service department.

NOTICE!

According to how you use your transmitter, the transmitting range might be much different.

You will have more range if you use your transmitter apart from your body as follows:

Maximum Range

Typical Range

Minimum Range

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INTRODUCTION

Thank you for choosing the D.T. Systems BL series Natural Flush™ Bird Launcher training product. Your bird dog can reach his or her best with our Natural Flush™ Bird Launcher, hailed by professional trainers everywhere as the best launcher ever developed. Our BL series bird launchers are available in either a manual or remote release and have a patent pending Easy-Load™ trap door that lets you load and unload single or multiple birds safely and easily. A Quiet-Release™ system helps prevent "spooking" your dog. Large scent holes create a natural flow of bird scent in the air. Remote launchers have a 700 yard range and a transmitter that can control 16 different launchers. A remote-activated beeper helps you locate each launcher after training sessions. Launchers are available in a small size for quail/pigeon size birds or a large size for pheasant/duck size birds. Start training with our gear and start bringing out the best in your best friend.

PACKAGE CONTENTS

BL 500/BL 700:
- Bird Launcher
- Instruction manual

BL 505/BL 705*:
- All contents of BL 500/BL 700
- Remote Receiver attachment for Launcher

BL 509/BL 709*:
- All contents of BL 505/BL 705
- Remote handheld Transmitter

* Batteries not included.

FEATURES
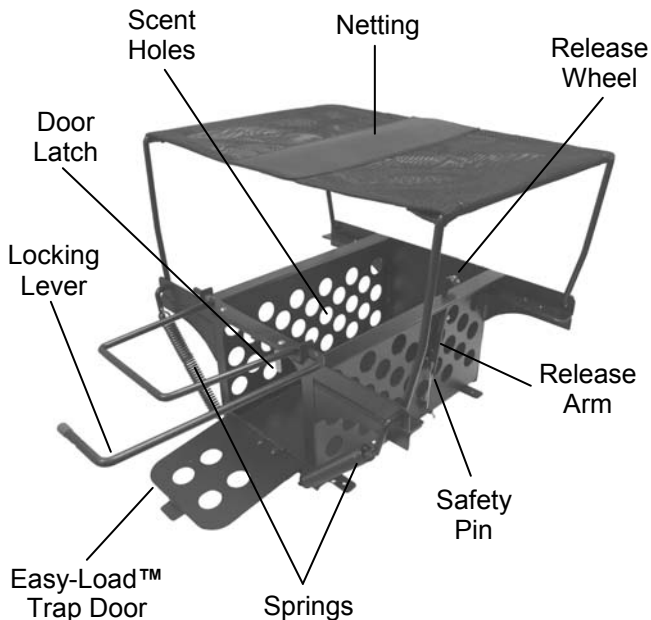
All BL series Bird Launchers have:
- Easy-Load™ trap door for easy loading/unloading.
- Quiet Release™ System prevents "spooking" dog
- High Quality Nets and Springs for effective launching
- Large Scent Holes for natural scent flow

Additional Features for Remote Launchers:
- Digital technology
- 1 Transmitter controls up to 16 Remote Launchers
- 700 yard range
- Weather resistant Transmitter and Receiver unit
- Transmitter and Receiver use regular 9-volt batteries (not included)
- Power-Save Mode on Remote Receiver (see p.17)
- Beeper Locator on Launcher makes it easy to find

Launcher

Scent Holes

Netting

Release Wheel

Door Latch

Locking Lever

Release Arm

Safety Pin

Easy-Load™ Trap Door

Springs

(BL 700 shown in 'open' position)

PARTS & FUNCTIONS

Easy-Load™ Trap Door
Allows safe, easy loading/unloading of bird(s) while Launcher is already in 'closed' position.

Large Scent Holes
Provides natural flow of bird scent into the air.

Durable Netting
Holds bird(s) comfortably in Launcher. Quiet release during launch.

Heavy Duty Springs
Creates strong, consistent launches that send birds several feet in the air (depending on size and weight). Quiet release during launch.

Locking Lever
Holds Launcher in 'closed' position. Launches bird(s) when released by Release Arm.

Release Arm with Release Wheel
Release Wheel on top rolls over Locking Lever to keep it in place until launch. Lower part of Release Arm can be attached to pull cord for manual release or to Remote Receiver.

Door Latch
Locks Easy-Load™ Trap Door closed.

Safety Pin
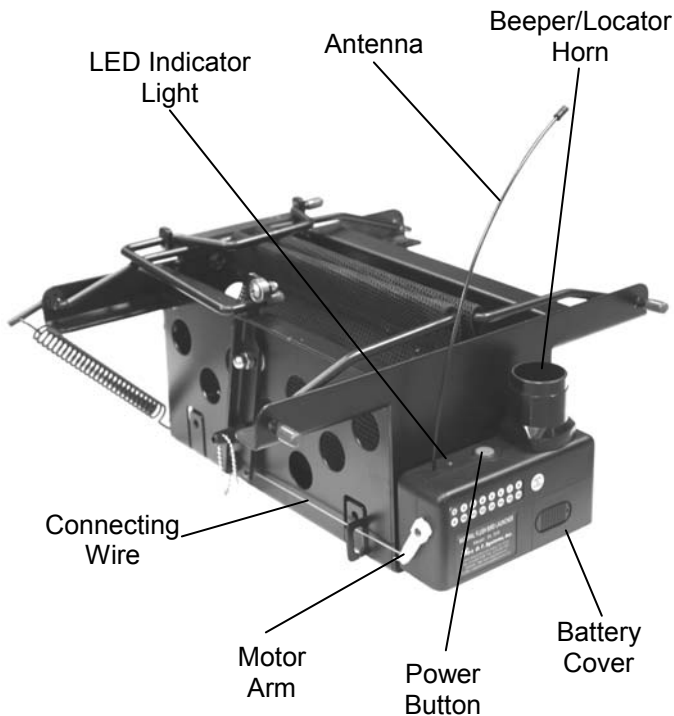Locks Release Arm in closed position to prevent accidental launch.

Remote Receiver
(BL 505, BL 509, BL 705, BL 709)

LED Indicator Light

Antenna

Beeper/Locator Horn

Connecting Wire

Motor Arm

Power Button

Battery Cover
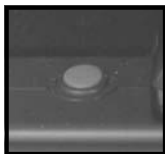
(BL 505 shown in 'closed' position)

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PARTS & FUNCTIONS

Power Button
Turns Remote Receiver ON/OFF, resets unit after each launch, and is used in programming procedure.

Receiver LED Indicator Light
Blinks to indicate the Remote Receiver is ON. Lights when signal for launch or beeper is received from Transmitter. Blinks rapidly when the battery is low and needs replacing.

Beeper/Locator Horn
Emits loud beeps to help locate Launcher in the field. Remote-activated and audible from up to 450 yards.

Motor Arm
Swivels to pull Release Arm for launch.

Receiver-to-Launcher Connecting Wire
Connects Motor Arm on Remote Receiver to Release Arm on Launcher.

Battery Cover
Slides open for access to battery compartment.

Receiver Antenna
Receives signal from Transmitter from up to 700 yards away.

Transmitter
(BL 509 and BL 709 only)

Antenna

Launcher
Selector
Knob

LED
Indicator
Light

Bird
Button

"T" Switch*

Beeper
Button

Battery Cover
(back side)

Model
Number

BL 509

*Most Transmitters
have a "T" Switch
that is permanently
in the 'up' position.

(BL 509 shown)

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PARTS & FUNCTIONS

Remote Buttons
The "BIRD" button launches bird(s). The "BEEPER" button activates the Beeper horn.

Launcher Selector Knob
The Launcher Selector Knob chooses which Launcher is being controlled. The BL Transmitter can control up to 16 launchers.

Transmitter LED Indicator Light
The red LED light will turn on any time a Transmitter button is pushed to indicate that the Transmitter is being operated. If the red LED light blinks rapidly after pushing any Transmitter button, the 9-volt battery will need to be replaced soon.

Transmitter Antenna
Be sure to check that the Antenna is securely fastened to the Transmitter before each use. Hand-tightened only. Be careful when screwing the Antenna into the Transmitter. Overtightening the Antenna can cause damage to the Antenna or the Antenna mount.

"T" Switch
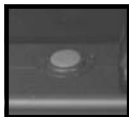The "T" Switch should always be in the up position when operating the Launcher.

TURNING REMOTE RECEIVER ON/OFF

These directions are for the BL 505, BL 509, BL 705, and BL 709. For safety, keep Launcher in the 'open' position when turning Remote Receiver ON/OFF.

Before using the Remote Launcher, install 9V battery in Transmitter and Remote Receiver by removing Battery Cover to access battery compartment. Use only Alkaline batteries from major brand name manufacturers. Generic brands may not work with these units.

Turning Remote Receiver ON

1. Push and hold the Power Button on the Remote Receiver. The Red LED Light will light solidly for about 2 seconds while holding button.

2. Release the Power Button when the Red LED light goes off. The unit is now ON and the Red LED light will now flash approximately every two seconds.

NOTE - The Transmitter is in a permanent "sleep" state and is only active when a button is pressed.

Turning Remote Receiver OFF

1. Push and hold the Power Button on the Remote Receiver. The Red LED Light will light solidly for about 2 seconds followed by one short flash while holding button.
2. Release the Power Button after the one short flash. The unit is now OFF.

NOTE - The Remote Receiver will automatically go into Power-Save Mode after 1 hour of inactivity (see p.17).

PROGRAMMING RECEIVER/TRANSMITTER

These directions are for initial Programming of a new Launcher, Programming after battery replacement, and Programming additional Launchers to the Transmitter.

CAUTION:
For safety, program the unit while the Launcher is unloaded and in the 'open' position.

Programming

1. Verify that the Bird Launcher is off.
2. Choose a number (1-16) on the Launcher Selector Knob of the Transmitter (optional: label the Launcher with the number for easy recognition).
3. Push and hold the red Power Button on the Remote Receiver of the Bird Launcher. Do not release the Power Button.
4. After approximately 6 seconds of holding the Power Button down, the Red LED light will flash 4 times.
5. **While continuing to hold the red Power Button down**, push either the "BIRD/NICK" button or the "BEEP/CONT" button on the Transmitter for approximately one second.
6. To indicate the unit has been programmed, the LED light on the Remote Receiver will flash 5 times and the Beeper/Locator horn will beep 5 times.
7. After programming confirmation, release the Power Button on the Remote Receiver.

NOTE - Do not release the red Power Button until instructed to do so or the entire process will have to be repeated. Repeat the process from the beginning if the light does not blink 5 times and beep 5 times at the end of the programming.

SETTING LAUNCHER

CAUTION:
The BL series Launcher is designed to launch a bird several feet in the air and thus releases with great force. Keep body parts and face clear of the unit at all times. Make sure all persons are a minimum of 15 feet away from the path of the unit when it is released. Do not launch indoors with Launcher loaded. Keep out of reach of children at all times.

Setting the Launcher

1. On Manual-Release Launchers, tie a pull cord to the large hole at the bottom of the Release Arm. On Remote Launchers, turn the Remote Receiver ON. If it is already ON, the Power Button may have to be pushed quickly to reset.
2. With the net in the open position, pull the arms of the Launcher inward towards the center and down into the 'closed' position. Hold the arms down in the 'closed' position with one hand.
3. Pull the Locking Lever over the net with your free hand and hold it down over the Launcher arms with one hand in the 'closed' position.
4. With your free hand, lock the Locking Lever down by rolling the Release Wheel over the Locking Lever so that it locks the Launcher in the 'closed' position.

NOTE - If the Launcher will not be immediately launched, insert the Safety Pin in the Release Arm to prevent accidental release.

TESTING LAUNCHER

Testing the Launcher

1. Set Launcher (see p.14). Make sure Safety Pin is out before launch.
2. Keep area immediately around Launcher clear of people and objects.
3. On Manual-Release Launchers, give a short quick pull on the pull cord. On Remote Launchers, be sure the correct Launcher is selected on the Selector Knob and push the 'BIRD' button on the transmitter.

Testing the Remote Receiver Only

1. Leave Launcher in the 'open' position.
2. Turn Remote Receiver ON. If it is already ON, the Power Button may have to be pushed quickly to reset the Remote Receiver.
3. Be sure the correct Launcher is selected on the Selector Knob and push the 'BIRD' button on Transmitter. The Motor Arm should rotate away from the Launcher.

Testing the Beeper/Locator

1. Turn Remote Receiver ON.
2. Be sure the correct Launcher is selected on the Selector Knob and push the 'BEEPER' button on Transmitter.
3. The Beeper Horn should beep any time the button is pushed.

NOTE - The Beeper Horn is very loud and should be covered if tested in close proximity.

OPERATING THE BIRD LAUNCHER

CAUTION: *Keep body parts and face clear of the unit at all times. Make sure all persons are a minimum of 15 feet away from the path of the unit when it is released. Do not launch indoors with Launcher loaded. Keep out of reach of children at all times.*

Loading the Launcher

- Set Launcher (see p.14) and insert Safety Pin.
- Open Easy-Load™ door and place bird(s) into the net. You can load more than one bird at a time depending on the size of the birds.

- Close Easy-Load™ door and secure with Latch. If you do not secure door with Latch, the bird(s) may be able to push the door open and escape.
- Place Launcher in desired location and position.
- Remove Safety Pin.

NOTE - Do not load small birds into large Launcher. Smaller birds may slip through the larger gaps in the Netting of the larger Launchers. This may result in an injured or dead bird during launch.

Releasing the Launcher

- For Manual-Release Launchers, give short quick pull on cord away from door-side of Launcher.
- For Remote Launchers, select the appropriate Launcher on the Selector Knob and push the 'BIRD' button on the Transmitter.

OPERATING THE BIRD LAUNCHER

Resetting Remote Launcher for Re-Release

- Set (see p.14) and load Launcher (see p.16) and keep Safety Pin inserted.
- Quickly push the Power Button on the Remote Receiver to reset for re-release. Remote Receiver will not release after a launch unless reset.
- Remove Safety Pin.

Locating Remote Launcher

- Select appropriate Launcher on Selector Knob.
- Push the 'BEEPER' button on the Transmitter any time the Remote Receiver is ON to activate the Beeper/Locator.

Power-Save Mode on Remote Receiver

- After 1 hour of inactivity, the Remote Receiver will go into Power-Save Mode. This mode reduces battery use by making responses to the Transmitter less immediate.
- To cancel, press and hold the Beeper button for 6 seconds or turn the unit OFF and back ON.

Unloading Unused Birds from Launcher

- Insert Safety Pin.
- Open Easy-Load™ door.
- Remove unused bird(s) from Launcher.

NOTE - Remote Launchers can be turned OFF if no longer being used (see p.12).
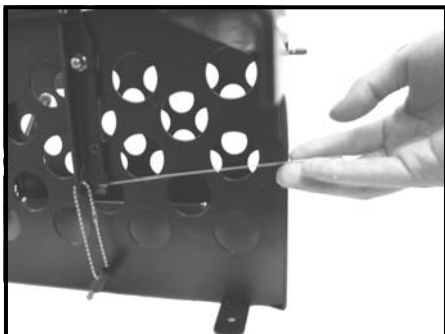
INSTALLING REMOTE RECEIVER

These directions are for adding a Remote Receiver unit to a Manual-Release Launcher or replacing a Remote Receiver unit on a Remote Launcher.
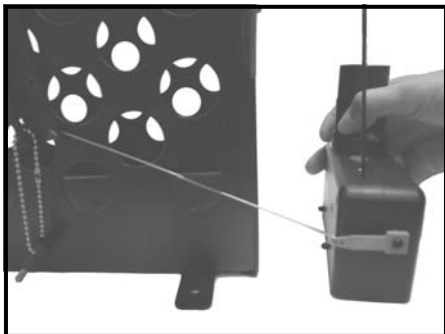
1. Leave the Launcher in the open position to prevent it from popping open during the installation, and position the Launcher so that the Easy-Load™ trap door is to your left.
2. Hook the Connecting Wire to the bottom hole of the Release Arm on the Launcher so that the Connecting Wire is lying against the Launcher itself. (see *Figure 1*)
3. Move the Motor Arm on the Remote Receiver so that it is pointing toward the side of the Remote Receiver that has the screw holes.
4. Hook the other end of the Connecting Wire to the last hole on the Motor Arm (see *Figure 2*) and point the Motor Arm down.
5. Line up the Remote Receiver to the holes on the Launcher (the black prongs on the back of the Remote Receiver should fit into the bottom two holes of the Launcher). (see *Figure 3*)
6. Holding the Remote Receiver against the Launcher, insert the screws that were included with the Remote Receiver and tighten so that the Remote Receiver fits snugly against the Launcher.
7. Program the Remote Receiver to the Transmitter (see p.13) and test to verify successful programming (see p.15).
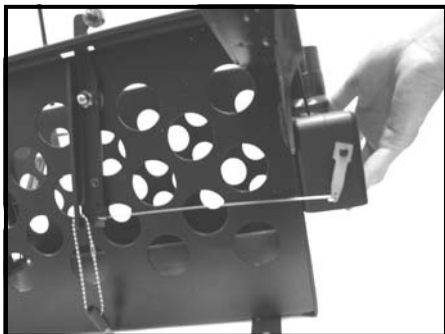
INSTALLING REMOTE RECEIVER

Figure 1

Figure 2

Figure 3

BL 700 shown

MAINTENANCE

Regular Maintenance*

- Wipe and clean Bird Launcher and Transmitter with a clean, soft cloth and warm, soapy water after each use.
- Dry off any moisture to prevent rusting as this may cause malfunction of the unit.
- Regularly clean and oil the Springs to keep from rusting.

During Use

- Avoid placing the Launcher in extremely wet or marshy conditions.
- The Remote Receiver and Transmitter are water-resistant, but not waterproof. Never immerse these in water or keep them in rain for extended periods of time.

Storing Your Launcher

- Leave Launcher in the 'open' position to keep the Springs from stretching.
- Remove batteries from Remote Receiver and Transmitter.
- Do not store in extreme temperatures or humidity.

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*Keep Launcher in 'open' position during Regular Maintenance to prevent accidental release.

TROUBLESHOOTING

If your Launcher is not operating properly:

- Make sure the correct channel is selected on the Launcher Selector Knob.
- Reset Remote Receiver after each launch.
- Replace batteries. Use only Alkaline batteries from major brand name manufacturers. Generic brands may not work with these units.
- Reprogram Remote Launcher (see p.13).

Please contact Customer Service (see p.24) for further troubleshooting or repair options.

IMPORTANT SAFETY NOTES

- Your dog should be examined by a veterinarian to assure that there are no physical reasons to hinder training with the BL series Bird Launcher.
- It is extremely important that you completely understand all functions of the launcher and how to properly train with it before training.
- Do not use the Bird Launcher for anything other than its intended purpose.
- Make sure your dog is clear of the launch area before releasing the Launcher.
- Never launch the Bird Launcher towards people.
- Keep all body parts away from launch area during launch.
- Keep away from children unless supervised by an adult.

WARRANTY

All **BL series Bird Launchers** have a one year parts and labor warranty effective from the original date of purchase. A copy of the original sales receipt is required to validate the date of purchase for any warranty repairs.

This warranty covers all repair costs for any manufacturer's defects or defects that occur during normal use and maintenance. It also covers regular return shipping back to the customer.

This warranty **DOES NOT** cover any damage caused by misuse/abuse/negligence, shipping costs to our facilities, expedited shipping costs, lost parts, or any repairs after the first year of ownership.

BL series Bird Launchers have been made with State of the Art equipment. Any repairs or fine adjustment should be performed only by D.T. Systems technicians.

NOTE
Warranty covers manufacturer's defects only. It does not cover damage from misuse, abuse or negligence.

LEGAL NOTICE

Proper Use and Maintenance of the BL Natural Flush™ Bird Launcher is the responsibility of the Buyer. D.T. Systems, Inc. and its representatives are in NO WAY liable for injuries/damages resulting from improper use. Buyer/User of said devices agrees to hold D.T. Systems and its representatives harmless from and indemnify them from any and all claims, damages, demands, penalties, suits or causes of actions whatsoever brought by any person or entity as a result of the use or ownership of the BL Natural Flush™ Bird Launcher.

FCC & IC COMPLIANCE

Your **BL Remote Launcher** has been manufactured under complete compliance with Part 15 of the Federal Communication Commission (FCC) rules and Industry Canada (IC) Standard RSS-310. The complex internal structure of each product has been designed to operate within specific regulations of FCC specifications. Any changes or modifications not expressly approved by the manufacturer is a violation of these specifications and could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC rules subject to the following two conditions:
1. This device may not cause harmful interference
2. *This device must accept all interference received, including interference that may cause undesired operation.*

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Category II radiocommunication device complies with Industry Canada Standard RSS-310. 26.96-27.28.10mv.
Ce dispositif de radiocommunication de catégorie II respecte la norme CNR-310 d'Industrie Canada.

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