

User's Guide and Setup Information

Universal Launcher Tranceiver URR-II Model 811

Long Range Launcher Remote Control System



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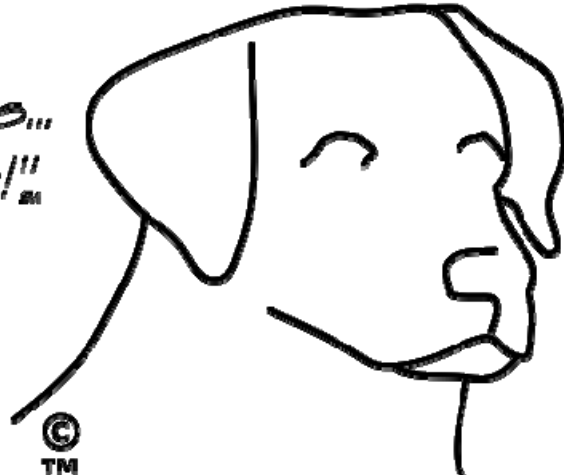
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Please USE CAUTION!

No tool can be its best unless it is used properly. The URR-II™ launcher control is no different. Please read your manual cover to cover. There is a risk of significant injury if used improperly. As with any winger or training launcher product, NEVER stand in front of the launch area. Only setup your launcher unit and only point it in a safe direction to loft objects. Only turn the URR-II on while connected to your device and onto the channel you wish to operate on. Move from the path of launch. The unit is now ready for remote launch from up to 1,000 yards away. Use caution and enjoy!

*Bird's-Up! Launchers...
"They just plain work!"*



URR-II™

Retriever Specialists, Inc.



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Safety First

To prevent injury to persons loading or setting up any launching device, always stand at the side or in the rear of the unit. Read and become familiar with the operation and function, care and proper use of the device before attempting to use it for the first time.

Thank you

Thank you for your buying the most advanced launcher available today. All of us at Retriever Specialists, Inc., want to insure you that exhaustive precautions have been taken to provide you with a high quality, safe and easy to use training device for you and your companion.

Description of apparatus

URR-II Model 811™ Universal Remote Receiver

The Model 811 URR-II™ is a training and testing device which allows owners of legacy launch systems to connect the URR-II and command launch and sound playback from distances as great as several hundred yards away.

The power for the unit is provided by an advanced spill-proof glass matt sealed lead-acid rechargeable 12 volt battery. The battery is rated for 800MA (or, 0.8 Amp Hours). Meaning, one can draw almost an amp per hour for 1 hour before the battery voltage drops below full charge status. However, the URR-II without sound mode on draws such a small current, it can last for several hours on a single charge.

The unit draws more current with no sound on. The URR-II provides its own power and amplification for the internal and the (optional) external horn loudspeaker (which can be heard for hundreds of yards afield).

With any settings, the unit will provide hours of use on a full charge.

The device takes your commands via digital remote controls. There are 4 user selectable channels on the launcher. That means, by using a single handheld control, you have handheld control to play sound and launch between one and four launchers in a training or testing spread, depending on the number of devices you have set out and what channels you have them tuned to.

The antenna is an integral part of one of the URR-II. It is an orange 16AWG stranded wire that should be uncurled and left to lay flat or can hang vertical or can be raised... all depending on your training set-up. The key is that the antenna will function best if it is straight and the better the line of sight to the transmitter (where you will be standing) the better.

You will notice that the unit contains a circuit that monitors the battery condition and when it needs to be charged, the indicator for "Charge Required" will illuminate red. It is highly advised that you do recharge at that point so you have reliable hold power and continued good reception range.

The sound system enables you to have sound playback at any launcher position, controlled by the handheld transmitter control. There are 2 speakers that direct sound out both sides suitable for backyard training. In windy conditions or for long distance training, you will likely want to have the very robust horn loudspeaker available from RSI.

There is an amplified port provided where you can add the optional horn loudspeaker if you want to generate the louder sound. There is a standard RCA jack into which you can plug an auxiliary horn type speaker. Retriever Specialists, Inc. offers the horn speaker with a mount on the back of the speaker that can be clamped onto a ½" diameter tube or rod. (This is very handy when using the loudspeaker with RSI's Featherweight series launchers as the horn loudspeaker can be mounted directly onto the unit). A suggestion is to carry a rod afield with you to mount the speaker on if your launcher has inadequate mounting opportunity areas on it. Position the directional amplified horn up off the ground.

The playback sound is your choice. There is a CD provided with various sounds that can be played through your home or vehicle audio system. If you want something different than the sounds provided on CD, you can use the recording system and record your own voice for "Hey-Hey-Hey", "Hup-Hup-Hup", your duck call, goose call, or any sound you choose to make. This is accomplished by simply pushing and holding the record button while producing the desired sound. The sound recorder works just like a tape recorder. The non-volatile sound memory is rated to hold a recording for 100 years with

no power required. So, trainers can record the voice or whistle of an owner for a familiar sound while being trained, tested or handled by a pro or helper.

A single 1,000 yard 8-channel transmitter is required. The single transmitter, which operates on a standard 9V transistor radio type battery, can control sound playback and launch for up to 4 URR-II's simultaneously.

There are NyLatch push-pull captive panel fasteners provided with the URR-II. You may find a matching hole pattern on the device you wish to control with the URR-II. You can snap on the URR-II to use it, pop it off for storage and recharging. If the hole pattern and NyLatch fasteners don't help with your setup, please be aware that you must take care of the URR-II such that it not left out in the elements. The URR-II is a sophisticated electronic device. While fairly robust by design, it is NOT waterproof. Also, the battery must be regularly charged (best left on the wall charger for a trickle charge while not in use). Neglect in these areas will negate your warranty.

Keep the unit dry and fully charged for peak performance and in a state always ready when you are.

Specifications

- 1/8" Mono (3.5MM) Output Jack labeled OUT.
- OUT jack is configured CENTER PIN POSITIVE!
- Unit provides 7.2-8.0VDC for duration of remote button push.
- Built-in digital remote controls, 4-channels launch, 4-channels Sound Playback
- Transmitter effective for approximately 1,000-Yards. NOT INCLUDED, but required to operate unit.
- Sound Record and Playback. Ducks, Geese, Bobwhite Quail, Shotgun Blast sounds included
- Built in digital solid state RECORDER for analog sounds. Record anything, including YOUR VOICE.
- Playback audio quality 16kHz sampling
- Right and Left Internal Speakers each 'backyard' adequate sound.
- External Jack - Amplified - 20W RMS. All the sound you need in any situation. (External speaker sold separate. RCA jack provided).
- Playback time up to 13 Seconds
- Battery Condition Monitor LEDs indicate when charge required.
- Black Powder Coated baked finish over a special anti-corrosion base.
- Internal Fuse for Battery protection and hold downs.
- Battery: 0.8aH spill proof rechargeable AGM / SLA battery.
- Charger: Rapid 2-stage charger system. Quick recharge and trickle mode.

Contents of package(s)

- (1) URR-II Model 811 Universal Remote Receiver
- (1) NyLatch Captive Panel Fasteners
- (1) CD with User Manual
- (1) CD with Audio Sound files. Will play in computer, auto, portable and home audio systems.
- (1) Dual rate battery charger
- (1) **OPTIONAL** Handheld Digital Transmitter Unit, Dual 4-Channel Sound and Launch (battery included).



Audio System

Adding and Changing Sound

Adding a sound for playback is simple. Simply push the record button with the unit in range of a sound you wish to record and the unit will record up to 12 seconds of sound. Recording starts the split second you push the button, so for a clean sound beginning, do not allow any delay time once you push or release the button. Once you let up on the record button, the record operation is finished. This is a digital process. So, there is nothing that needs to be erased, nothing to rewind. Having the unit in good proximity to the source, minimize background noise and maintain a reasonable sound level while

recording is the key to quality recording. Normal robust conversational voice and music levels will provide great results. Play around with positioning until you get accustomed to the unit. Practice makes perfect.

CD Sounds

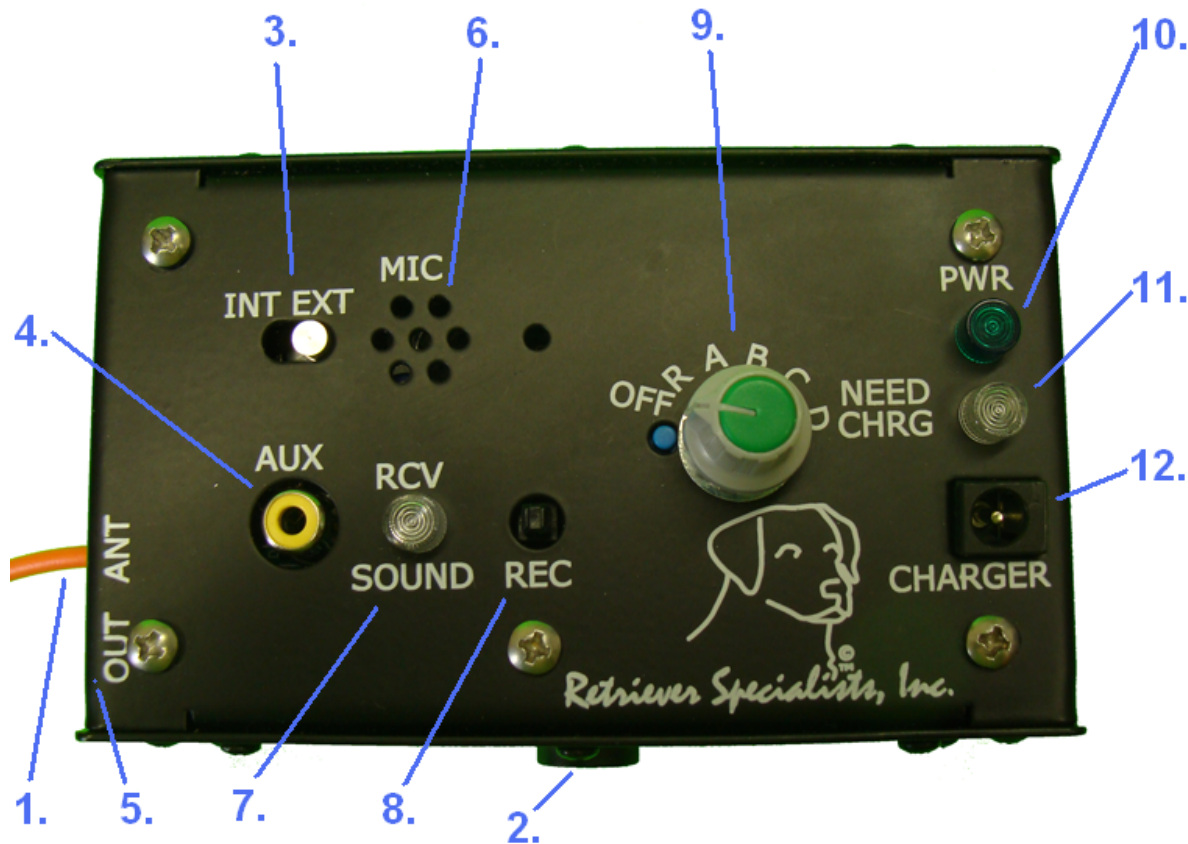
With your CD inserted into any audio CD capable device, simply hold the record button down with the unit in range of the sound you wish to record, play the track you want to record and the unit will record up to 12 seconds of sound. When you let up on the record button, recording will cease and the operation is finished.

Playback

To playback the sound you have recorded, set the slide switch on your unit to INT. Set the 6 position rotary channel selector switch to Channel A, B, C or D. On the handheld remote, press the corresponding Sound button and the device will playback your recorded audio. Then, if you have the optional external speaker, plug it into the AUX port and repeat the same steps, you will have a very well amplified playback of your sound.

CAUTION: This device is intended to be used **outdoors** and at distances safe for audio listening for you, your dog and other people. Please be careful and considerate when testing and playing audio from your unit. This is **especially true with the extremely loud external speaker**. It is dangerously loud if you are in a confined space or closer than several feet away.

Features



1. ANT

The antenna is an integral part of one of the URR-II. It is an orange 16AWG stranded wire that should be uncurled and left to lay flat or can hang vertical or can be raised... all depending on your training set-up.

2. FUSE Fuseholder

This is a twist in fuse holder and takes either a small coin or screwdriver to remove the fuse holding center part. The fuse is a 3AG glass fuse available most places that sell automotive type fuses. If you need to replace a blown fuse, try to determine the cause of the fuse failure. If there are no obvious defects that should cause a fuse to fail, proceed to change the fuse. To do so, push the plunger down and in slightly, then turn to the left while depressed (approximately ¼ turn). The center plunger will pop out with the fuse. Inspect the fuse cartridge and replace if blown. Use no more than a 3A fuse.

3. INT EXT Slide Switch

This is a 3 position slide switch that selects whether sound is ported to the internal speakers, to the external speaker port, or in the center position - off. An external horn type speaker can be used for amplified directional sound (available as an accessory from RSI).

4. AUX External Speaker Jack

This jack accepts an RCA plug. The port output is 4 Ohms and 20Watts RMS. Use a robust, quality speaker, such as the Bird's-Up! horn style loudspeaker, available as an accessory from RSI. The yellow RCA style jack for the horn type speaker is directly below this switch. This is a highly amplified port. RSI's optional horn speaker is rated for 30W.

5. Output Port 3.5MM (1/8") MONO (2-conductor) Jack

The port for the output to the device you wish to remotely control. This port will provide from 7.2 to 8.0 Volts DC, center pin positive. Pushing a LAUNCH button will supply power while depressed, thus releasing the hold mechanism on your launcher, launching your payload.



6. MIC port

Recording is activated by pushing the RECORD button (item 14) and directing sound into the microphone port. Conversational level voice directed into the port, audio played loud (but not blasting) or a whistle not blown directly into the port, but near the unit will all produce good results.

7. REC / PLAY Lamp

This lamp is for reference during record/playback. This blue lamp will illuminate when recording and will flash while playing back. Note that in the same lamp opening, an unmarked orange receive lamp will illuminate indicating that the device is receiving a signal from the transmitter. This orange lamp has nothing to do with record or playback; we just shared an opening in the unit for this lamp.

8. RECORD Button

This button is pushed in and held for the duration you wish to record (up to 12 seconds).

9. Rotary Switch

This 6-position rotary switch selects the launcher mode for control by the transmitter.

Position “O” – OFF

Position “R” – for recording and testing the sound playback.

Positions “A,” “B,” “C” or “D” set unit on channel for control by transmitter.

10. SYSTEM ON Lamp

This bright green lamp indicates the system is on and has power. If you turn the power on M for maintenance or on a channel to operate, the green ON lamp should be lit. If it is not, there is an issue with power to the device. If this happens, check for a completely discharged battery or a blown fuse.

11. CHARGE NEEDED Lamp

This red lamp will illuminate to indicate that the battery is low and must be charged. This lamp will blink when you first turn on the system or when you change channels. It is testing the condition of the battery. If the lamp blinks and turns off, the test is OK and the battery level is OK. If the lamp remains on, you must recharge the battery.

12. 14V MAX CPP Jack

This is the jack for the plug on the battery charger cable. Plug in the 701BC charger to this jack. Plug the 701BC charger into a standard 120VAC USA wall outlet to charge the battery that is inside the unit. The battery charger is a dual rate charger and charges at higher rates until the battery is full, then changes to a trickle charge and maintains the battery at full charge. Leaving the charger connected insures that the battery is always at full capacity.

1. Transmitter



Channel Selection

Set the rotary switch to the letter you wish to use to launch this particular launcher. If you are only setting up one unit, any letter will do, typically you would select A.

(Subsequent units will be set-up in your training spread and each additional unit will be set to a different letter. Typically, users set the units in positions that correspond with the order that they intend to launch in, i.e. A first, then B and so on.

Company Information

Retriever Specialists, Inc. (RSI) products are aggressively addressing the need for improved safety and performance of devices used in the world of training and testing hunting dogs.

Robert and Alice Steiner have been involved in the training of Retrievers for over 30 years. They are founding members of the Hunting Retriever Club, Inc. (HRC), as they have been members since 1984. Both of the Steiner's have titled retrievers in the HRC to the title of Hunting Retriever Champion. Bob Steiner has also titled in AKC hunt tests and has qualified for the Master National.

The name of their very successful retriever training and kennels business was Marshland Kennels, in Chelsea and Pleasant Lake Michigan. The Steiner's have since retired that business to pursue and found Retriever Specialists, Inc. in 2005 at Lake Okeechobee, Florida.

Bob Steiner is a licensed Finished Judge in HRC and has judged hunts across the country, including two of the Grand Hunting Retriever series tests.

Recognizing the need for safe, reliable, repeatable throws for training as well as testing, Retriever Specialists, Inc has been developing it's launcher, first, the Birds-Up!™ Slinger™, a robust launch system, which was the first system to feature the Safe-n-Silent™ hold and release system. Then, RSI introduced the SlingerRC™ launcher, with the famous low profile, at the time, the most consistent launcher for use in training on marks. The improvement came by way of digital controls. RSI introduced another first with built in electronic remote control.

In 2007, RSI introduced the FeatherweightRC™. This wonderfully light little launcher has taken the training launcher market by storm. The 808FeatherweightRC™ features all the capability of the Slinger™, now in a system that weighs less than 16 pounds and sets-up in just seconds.

After years of perfecting, Retriever Specialists' retired the Slinger™ and SlingerRC™ series. Now, the FeatherweightRC™ is the trainer's choice across the country. RSI sponsors HRC events and hunt test series where convenience and lightweight are important, but where consistency, safety, reliability and performance are also paramount. These so-called "mini-wingers" launch consistent throws all day long, never tire, never throw short or long... They just sling birds and bumpers consistently, quietly, safely and tirelessly.

Warranty

Mechanical Components

The Birds-Up™ 808 FWrc is warranted against defects in material or workmanship for a period of 6 months from date of purchase. Retriever Specialists, Inc. will repair or replace defective parts upon

return, prepaid to us at our address supplied, unless instructed otherwise. Retriever Specialists, Inc. shall not be obligated to any other warranty, expressed or implied.

There are no wear components.

Electronic Components

Defective transmitters or internal control components will be replaced free, if defective, to the original owner for 1 year from date of purchase. The 9V transmitter batteries are not covered. Turning off the transmitter between uses will extend the transmitter battery life. The internal SLA battery is warranted for a period of one year. The battery in the main unit will also last longer and perform best if stored with the unit plugged into the wall charger unit. The 3-stage charger has a trickle charge mode so that once a battery is recharged; the unit will maintain a full charge without overcharging.

Please be aware that you must take care of the URR-II such that it **not** left out in the elements. The URR-II is a sophisticated electronic device. While fairly robust by design, **it is NOT waterproof**. Also, the battery must be regularly charged (best left on the wall charger for a trickle charge while not in use). Neglect in these areas **will negate your warranty**.

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