

# **BRB Systems USA Co.**

## Instruction Manual

### Tally – Trap Counter Release System

---

**IMPORTANT:** Read and understand this manual before assembling,  
installing or

using this system. Improper use of this system can cause serious injury.

---

#### Table Of Contents

	Page
(1) Safety Information.....	2
(2) Installation.....	4
(3) Operation.....	5
(4) Maintenance.....	7
(5) Counter Codes.....	8
(6) Warranty.....	9

## **(1) Safety Information**

### **CAUTION:**

This system is powered by electricity. To reduce the risk of electric shock, do not remove any cover from the apparatus. There are no user serviceable parts inside. Refer servicing to BRB Systems USA Co.

Make certain that any person assembling or installing this system has read and fully understood this Instruction Manual. It is your guide to safe and proper operation of this system.

- System components sold as 12V units are to be used with 12Vdc power sources only.  
The 12V dc power sources that may be used with these units are; BRB Systems USA Power Supply and Canterbury Relay box.
- Protect the power cord from being walked on, pinched or damaged in any way.
- Disconnect this apparatus from its power source during lightning storms or when unused for extended periods of time.
- Use only the attachment parts/accessories supplied by BRB Systems USA Co.
- Do not allow liquid entry into the system components.
- Ensure that the traps are disconnected from their power sources and unloaded before connection of the BRB Tally Counter System. Failure to do so could result in the unexpected operation of the trap causing serious injury.
- Ensure that the trap is disconnected from its power source and unloaded and that it is completely disconnected from the counter release system before attempting loading, maintenance or repair of the trap. Failure to do so could result in the unexpected operation of the trap causing serious injury.
- Extreme caution must be taken when a manually loaded trap is in use.

This system is not able to determine whether a loader is ready for a target to be launched. Inadvertent operation of the system may cause serious injury to the loader.

- Ensure that any cabling associated with this system is routed so as not to cause a tripping hazard for the systems operators or users. Where cabling must be routed across walkways the use of rubber walkway mats is recommended.

## **(2) Installation**

Installation of the BRB Tally Counter should be to the side or rear of the shooting position in such a place as not to obstruct or distract the shooter. The enclosure and button release holster should be mounted either to a post, wall or tree and must be mounted vertically.

Each Tally Counter is supplied with mounting hardware for the counter enclosure.

3 hanger bolts, washers and wing nuts are supplied for mounting the Counter enclosure. Once installed these allow for easy removal of the Counter system for storage at the end of the day.

To install the hanger bolts, place the Counter enclosure against the surface it is to be mounted to and mark the positions of the 3 mounting holes through the enclosure flanges. Drill the appropriate size holes in the 3 marked positions. Using 2 wrenches lock the 2 nuts (supplied) against each other on the machine thread of the hanger bolts. Using a wrench, turn the wood thread into the mounting surface, using the locked nuts, until only the machine thread can be seen. Unlock the 2 nuts from each other and remove them from the bolt. When all are installed there will be 3 studs protruding from the mounting surface. Slide the Counter enclosure over the studs and fit the wing nuts.

### **Electrical Connections**

No additional power or trap connections are needed to connect the Tally Counter beyond those already used with the BRB Systems USA Trap Voice Release System or the Canterbury Voice Release System.

The Tally Counter is installed in the line between the Power Supply / Relay Box and the Main Control Box. This connection is made by using the 75ft control cable supplied.

The 3 pin plug of the supplied control cable connects to the 3 pin socket of the existing Power Supply / Relay Box.

The 5 pin plug connects to the 5 pin socket on the Tally Counter.

Connect the original control cable from the 3 pin socket on the main Control Box to the 3 pin socket on the Tally Counter.

### **(3) Operation**

With power connected to the Tally Counter, but no Dongle is present in the Counter socket, the unit will display the word 'Idle'.

#### Dongles

To release a target using the BRB Tally Counter a Dongle must be inserted into the Tally Counter socket. If the Dongle is set to Count Up Mode, then the shooter may release 10,000 individual targets before the count will need to be reset. If the Dongle is set to Count Down Mode then then the club will program the required number of individual clays into the Dongle using the clubhouse Console. Any amount between 0 and 999 can be programmed.

Insert the Dongle into the socket on the Tally Counter. Once the Dongle has been inserted the unit is powered on. The unit will not idle until the Dongle is removed.

If a Dongle with the wrong ground ID is inserted then the Error Code 'Err 3' will be displayed until the Dongle is removed and no target can be released.

#### Count/Credit

With a Dongle inserted and the power on, the display will show the count stored in the Dongle. If the Dongle is set to Count Up Mode then the display will read between 0 and 10,000 and will be displayed as follows:

1234

When the display reads in this manner, the counter is in Count Up Mode and has released 1234 targets with this Dongle. There is a maximum of (10,000 -1234 =) 8766 releases remaining.

Count Down Mode can be distinguished as follows:

## .9.8.7

When the display reads in this manner, the counter is in Count Down Mode and has a 987 target credit. In Count Down Mode when the count reaches zero no more targets can be released until more credit is added to the Dongle using the clubhouse Console. If a target is attempted to be released with zero credit on a Dongle the user will hear an audible 'beep' to inform them that no credit exists.

### Release Targets

Once a Dongle has been inserted into the Counter socket and the Counter has read the Dongle count to establish that there is remaining count/credit, then targets can be released in the normal way, either by voice command or manually by the release button on the voice release systems button box.

### Payment

When the shooter is finished the Dongle is removed from the Tally Counter and the Counter goes into Idle Mode. The Dongle is returned to the clubhouse for payment.

If all targets were not released in Count Down Mode, the club will be able to see the remaining count once they insert the Dongle into the Console.

If in Count Up Mode the club will be able to see how many targets were released and charge accordingly.

## **(4) Maintenance**

The rugged manufacture of the BRB Tally Trap Counter Release System should ensure many years of trouble free use if it is not abused and given simple maintenance.

- Avoid moving any component of the system by pulling it by the cabling.
- Do not allow any component to be immersed in water.
- Regularly inspect the power cord from the power source to the counter control box for damage. If any wear or damage is found, replace immediately.

There are no settings or adjustments that can be made to the system by the user. Should difficulty be found with the system operation, do not remove any of the system covers. This will void the system warranty and may result in an electric shock hazard.

Refer servicing to BRB Systems USA Co.

## **(5) Counter Codes**

0= Reverse connections. In and Out are backwards. Tally only.

2 = Insert Dongle. Ground ID change required.

3= Bad ground ID. Dongle is from another ground.

4= Need 4 characters. If less than 4 characters are input into ground ID.

5= Bad Dongle. Dongle is unresponsive.

9 =Programmed as Ground ID Dongle, not a counting Dongle.



## **(6) BRB Systems USA Co. - Limited Warranty**

This BRB Systems USA Co. product, supplied in the original packaging to the original purchaser, is warranted by BRB Systems USA Co. against manufacturing defects in materials and workmanship for a limited warranty period of

**One (1) Year Parts and Labor.**

This limited warranty begins on the original date of purchase and is valid only on products purchased and used in the USA. This warranty will terminate automatically prior to its stated expiration if the original purchaser sells or transfers the product to any other party.

BRB Systems USA Co. will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of BRB Systems USA Co. and must be returned to BRB Systems USA Co. Replacement parts and products assume the remaining original warranty or ninety (90) days, whichever is longer.

This limited warranty covers defects in materials and workmanship encountered in normal use of this product and shall not apply to defects or injuries caused by the following, including, but not limited to: damage which occurs in shipment; delivery and installation; applications and uses for which this product was not intended; product alterations not authorized by BRB Systems USA Co.; cosmetic damage or exterior finish; accidents; neglect; fire; water damage; vermin or insect infestation; lightning or other acts of nature; use of products, equipment systems, utilities, services, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by BRB Systems USA Co. which damage this product or result in service problems; incorrect electrical line voltage; fluctuations and surges; customer adjustments and failure to follow operating instructions, cleaning, maintenance and environmental instructions that are covered and prescribed in the Instruction Manual.

BRB systems USA Co. does not warrant uninterrupted or error-free operation of the product.

BRB Systems USA Co. shall not be liable for loss of revenue or profits, failure to realize savings or other benefits, or any other special, incidental or consequential damages caused by the use, misuse or inability to use this product, regardless of the legal theory on which the claim is based, even if BRB Systems USA Co. has been advised of the possibility of such damages. Nor shall recovery of any kind against BRB Systems USA Co. be greater in amount than the purchase price of the product sold by BRB Systems USA Co. Without limiting the foregoing, the purchaser assumes all risk and liability for loss, damage or injury to purchaser and purchaser's property and to others and their property arising out of the use, misuse or inability to use this product sold by BRB Systems USA Co. not caused directly by the negligence of BRB Systems USA Co.

To receive warranty service contact BRB Systems USA Co. for problem determination and service procedure. If it is determined that the product requires warranty service, ship the product, in its original packaging or its equivalent, together with proof of purchase, prepaid insured to BRB Systems USA Co.

Products repaired or replaced under warranty will be returned to you, within a reasonable time, freight prepaid.

To obtain warranty service contact BRB Systems USA Co. at:

**brbsystemsusa@yahoo.com      or call: 412-7732128**