

**Hint:**

When aligning the Transmitter and Receiver if you are using an adjustable tripod, tilt the Receiver (Black Box) up until the light on the back of the Receiver flashes then down until it starts to flash then adjust the vertical height in the middle of these two setting and the light is on solid. Adjust the horizontal the same way moving the Receiver left and right until the light on the back of the Receiver flashes then adjust the tripod to achieve the centering of the beam with the Transmitter and the light is on solid. This procedure assure that Beam is centered between the Receiver and Transmitter.

**Barrel Racing / Equestrian Display and Beam**

**RECORD OF PURCHASE**

The Display and Beams (Transmitter and Receiver) are fully warranted to the original purchaser against any defects or workmanship for one year from the date of purchase from an approved Dealer. This warranty does not cover physical damage & will be voided if any attempt has been made to remove the sealed covers on the Display or Beams (Transmitter and Receiver). It is not necessary to register your warranty, your receipt from the reseller will be considered the start date of your warranty.

Display Serial Number \_\_\_\_\_

Purchase Date \_\_\_\_\_

Purchased from:

Dealer \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Prov. \_\_\_\_\_ Zip/PC \_\_\_\_\_

Should our products require service and to assure prompt repair, please call our Toll Free Support Line for instructions and if instructed, package the unit in a secure container with proof of purchase.

Outside of Canada mark the container "**CANADIAN GOODS RETURNING FOR REPAIR (Tariff # 9813000097)**" in plain view, and return the defective unit postage paid to:

**R. U. READY Electronics Ltd.**  
P.O. Box 10  
Inverary, Ontario,  
Canada, K0H 1X0

Phone 613-353-1911  
Fax 613-353-2003

For Technical Support  
1-877-84 SPEED (77333)

Except as provided herein, we make no express warranties and any implied warranty of merchantability or fitness for a particular purpose is limited in its duration to the duration of the written warranty set forth herein.

Except as provided herein, we shall have no liability or responsibility to the purchaser or any other person or entity with respect to any liability, loss or damages caused or alleged to be directly or indirectly by use of this product, including, but not limited to, any incidental or consequential damages.

Some states or countries do not allow the limitation or exclusion of incidental or consequential damages or limitations on the length of implied warranties; therefore, the aforesaid limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

# Western Barrel Racing / Equestrian Timer

## Display and Beam Instruction Manual Version 2 (4 or 6 Digit P-8 Display)



## How to Use the *Display* with IR Beam as a Stand Alone unit. (Western Barrel Racing Etc.)

### Barrel Racing / Equestrian Display and Beams

Thank you for purchasing our Barrel Racing / Equestrian Display and Beams. A portable, flexible and economic answer to your timing and scoring needs. Please check the shipping box to make sure all components listed below were received undamaged:

LCD Display, AC Adapter, Beam (consisting of a Transmitter and Receiver), Tripod Mount / Stand, 9/110 Volt Power Supply and a 50 Foot Cable.

#### A Brief Description of the Components:

LCD Display - Either a 6.75" x 14.5" (4 Digit Display) or 6.75 x 21" (6 Digit Display) yellow case with a clear plastic display window on one side. It can be used with either the enclosed AC Adapter, or a 9VDC Alkaline Battery. It is turned on with the small black button on left side of Display - Up for 'On' and Down for 'Off'.

Beam - Consisting of a 6" Black Box 6"x2 1/2" x1" (the Receiver) and a Yellow box 5" x 2" x 1" (the Transmitter)



(May not be exactly as shown)

Tripod Mount used to hold the Display upright on a flat surface or to mount the Display on a Tripod (not included).

Power Supply 9/110 Volt Power Adapter that can be used if 110 Volt Power is available, included.

Operating Instructions - which you are now reading.

We recommend that you read the complete Operating Instructions

before using your new

Western Barrel Racing / Equestrian Display and Beams

**Note:** To use the IR Beam Kit you must have purchased a Display which has an telephone style jack located on the bottom of the Display next to the plug that attaches the 110 Volt AC power adapter.

This Display has the necessary program to be used with the Beams.

Install a 9 Volt **Alkaline Battery** in the Battery Compartment of the Display or plug the 9 Volt DC to 110 Volt AC Adapter into the bottom of the Display and to a suitable power source.

#### With the Display turned off.

Mount the Receiver onto a suitable tripod (not included) and set the Receiver at the desired height. (no battery required)

Plug the 50 Foot Cable (included) into the jack located on the back of the Receiver and the other end of the cable into the jack located on the bottom of the Display.

Install an 9 Volt **Alkaline Battery** in the Battery Compartment of the Transmitter (Yellow Box)

Mount the Transmitter on a suitable tripod and position it between 6 and 150 Feet away. Turn on the Transmitter and aim it in the direction of the Receiver and Display. (Note: Mount parallel to the ground and at height equal to approximate the height of the Receiver)

Turn on the Display which will then display a P-8 (this is factory set) and then the word "rdy" (for ready). Now aim the Receiver towards the Transmitter. Observe a Red flashing light (LED) on the back of the Receiver. Move the Receiver on its stand, pointing it in the direction of the Transmitter. When the units are aligned the Red (LED) will be on solid, indicating alignment of the two units and creating a invisible thin beam between the units. A second indication of a correctly aligned is when the Display turns off the word 'rdy' and displays 0.000. (This feature will help in alignment in bright sunlight).

Note: Should the Red (LED) not be flashing, is on solid and the Display reads 0.000 the units are aligned when they were turned on and no further action is required. (see last Hint)

#### **Using the Display, Beam (Receiver and Transmitter) when they are aligned.**

Move through the invisible beam between the Receiver and the Transmitter to start the Display clock running, move through the beam between the Receiver and the Transmitter to stop the clock. Record this finish time.

**Note, Caution,** Once the clock has been stopped, please make a written note of this time incase someone or something goes through the invisible gate again, this would zero the Display and start the clock running once more.

**Note:** You may start the next event anytime after the clock has been stopped and the time recorded

**Note:** The Display will not allow the clock to be stopped until it has reached a time in excess of 3 Seconds (3.000) so that a large objects may have time to clear the beam to start the event. (E.G. A slow moving Horse)

#### **Hints:**

The number one cause of problems with our systems is the failure to change the batteries. The batteries in our units can last an exceptionally long time, but it is wise to have spares available should they need to be changed. For best results always use **9 Volt Alkaline Batteries Only**.

Do not store the units for long periods of time (2 months or longer) with the batteries installed. Batteries can discharge and leak, damaging the units.

Avoid, if possible having the Receiver (Black Box) pointing directly or on the same plane as bright sunlight. This will cause premature stopping of the Display Time, should the receiver not stay in contact with the transmitter by blinding sunlight.