One Year Warranty

This product is warranted to be free of manufacturing defects for a 1-year period from the original consumer date of purchase. The warranty does not include damage to the product resulting from accident, misuse, improper installation, operation, or unauthorized repair or alteration. Opening the product case will void this warranty. If the product should become defective within the warranty period, Sports Radar Ltd., will repair or replace it at our option, free of charge. You must fill out and return the enclosed registration form to ensure warranty coverage failure to fill out registration form may void warranty. To obtain warranty service, first contact Sports Radar's warranty repair department, then, upon approval, send the unit at purchaser's cost to:

Sports Radar, Ltd., 9119 W. Veterans Dr., Homosassa, FL 34448
Return shipping to purchaser will be at Sports Radar Ltd.'s cost inside the 48 continental United States, international shipping is the sole responsibility of the purchaser.
The consumer's sole remedy shall be such repair or replacement as is expressly provided above, and we shall in no event be liable for any incidental or consequential damages arising out of the use or inability to use this product for any purpose whatsoever. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific rights. You may also have other rights, which vary, from state to state. Manufactured by Sports Radar, Ltd. in the U.S.A.

SPECIFICATIONS:

Mechanical	Height 11" Width 16-1/4" Depth ¾" Weight 5lb
Display Type	Light Emitting Diode (LED), color RED, Character height: 8 "
Voltage	12 VDC minimum, 18VDC maximum
Current	2A max
Visibility	350 feet typical in shaded light
Input	RJ45/CAT5
Data Format	RS232, 1200 Baud (SR standard protocol)
Mounting	Wall mount bracket (included)
Temperature	Operating 40-110 deg F. Storage 30-125 deg F

OPTIONAL ACCESSORIES
*USM: A universal swivel mounting bracket for wall or post mounting.
*Table Top Stand.
*Extender CAT5 cables, sold in 25' and 50' lengths, can be stacked up to 100 feet between the radar gun and the DL83x for data communications.
*Coupler: CAT5 coupler for extender cable

Instruction Manual
DL83x (1) (2) (4)
LED DISPLAY

HTTP://WWW.SPORTSRADARGUN.COM MADE IN U.S.A.

Congratulations
You are the proud owner of a Sports Radar DL83x remote LED display, designed to provide coaches, sports enthusiast and fans the same visibility to performance as the users. Please read this manual before operating your new products.

If at any time you need additional information, or experience problems with your Sports Radar product, please contact Sports Radar, Ltd. directly.
All warranty information is located at our offices; therefore it is important that you contact us, not your retailer. Sports Radar, Ltd. will accept nothing without proper return authorization. Obtaining an authorization number may be done by writing or calling our offices or log on to http://www.sportsradargun.com and fill out the RMA request.

☞ Sports Radar, Ltd.
📠 9119 W. Veterans Dr.
✆ Homosassa, FL 34448
☎ 352-563-5298
💻 http://www.sportsradargun.com

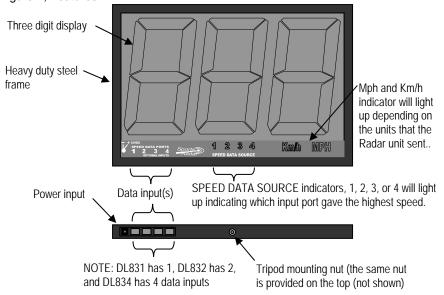Contact your retailer for available accessories.

General description

The DL83x is a bright Red LED display with three 8 inch tall digits. There are 3 models available: the DL831 has one data in port, the DL832 has two data inputs, and the DL834 which has 4 data inputs. This manual applies to all models referenced as DL83x, and the specific model will be noted where differences are applicable.
The DL83x accepts data and displays this speed from Sports Radar's SR3600 radar gun, and DT100/200 series speed detectors (collectively called radar units herein). Do not connect the DL83x display to other equipment, damage to the display or other equipment may occur.
When a speed is received it will be displayed in the units (MPH or Km/h) that was sent by the radar unit and the proper MPH or Km/h indicator will light, and the last speed recorded will remain in the display until a new speed is recorded.

Figure 1, Features

Three digit display

Heavy duty steel frame

Mph and Km/h indicator will light up depending on the units that the Radar unit sent..

Power input   Data input(s)   SPEED DATA SOURCE indicators, 1, 2, 3, or 4 will light up indicating which input port gave the highest speed.

NOTE: DL831 has 1, DL832 has 2, and DL834 has 4 data inputs

Tripod mounting nut (the same nut is provided on the top (not shown)

Connecting Power

Connect the 12VDC power transformer (supplied) into a standard household 115VAC outlet, and plug the DC plug into the 12VDC jack at the bottom right on the DL83x display. Upon power-up, the display will count down; 999, 888, 777, - - - to – 000, and the SPEED DATA SOURCE, MPH, and Km/h indicators light, then all indicators go out, and the speed display shows 0.

Connecting speed input(s) data source

The speed data source is either the SR3600 radar gun, or the DT100, or DT200 speed detectors.
To connect an SR3600 radar gun, use a standard CAT5 data cable (SR part number CABLE 25', or CABLE 50') from the data port on the SR3600 to a SPEED DATA PORT on the DL83x.

To connect a DT100 or 200 detector, simply connect the Power/Data cable into a DL83x input port.

Note that power from the DL43x display will feed through and power up the radar gun or Detectors, so when a DL43x display is connected, there is no need to supply power to these units (reference the operating instructions of the radar device for more details).

Multiple speed inputs (DL832 and DL834)

The DL832 and DL834 displays can accept multiple inputs and will display the highest speed received from whichever input provided the highest speed. Inputs can be simultaneous; that is if 2 or more inputs occur at the same time, the display will receive them all, and calculate which was the highest and display that speed. A "SPEED DATA SOURCE" indicator will light up showing which input gave the highest speed (reference figure 1). The number (1, 2, 3, or 4) that lights up corresponds to the SPEED DATA PORT that that speed came in on.

MOUNTING the DL83x

The DL83x display has 2 hanging brackets on the back and a standard ¼-20 top and bottom mounting nut for various mounting options.
The hanging brackets can be used for mounting the display flat to a wall much like hanging a picture.
The top and bottom mounting nuts are a standard ¼-20 thread type that can be used to attached to a sturdy tripod using Sports Radar's table top stand on the bottom nut, or hanging the display via the top nut using Sports Radar's Wall Mount to hang the display at various viewing angles.
If using a tripod, the tripod should be a heavy-duty type capable of supporting the weight of the display, and have a wide base so as not to tip over, especially in windy conditions. Do not use a tripod with the removable "shoe" type mounting head, as these are typically not sturdy enough.

VISIBILITY:

The DL83x utilizes high bright LED's, which provide good visibility for viewing indoors, or in shaded outdoors ambient lighting.
Keep in mind that light sources such as the LED's used in the DL83x display can be "washed out" by direct sunlight, and visibility will be diminished considerably. Keeping the viewing face of the display out of direct sunlight can compensate for this condition.

NOTE:

The DL83x is an electronic device and should be kept clean and dry. The faceplate is durable, however the LED light sources can become damaged if the face is hit with a ball or other object. Please use care when mounting the display, and do not allow it to fall or be dropped, damage can occur. Always disconnect power to the display when not in use. The power transformer is intended for indoor use, and should not be used outdoors or allowed to get wet. Water can short out the transformer and cause a potential electrical shock hazard capable of causing permanent bodily injury or death. The Data ports on the DL83x are for connecting Sports Radars equipment only, do not connect other equipment to these inputs, can cause damage to the equipment and/or the DL83x. Use care, common sense, and have fun!