



**CSI** Communications  
Specialties, Inc.

# USER'S MANUAL

## *TwinSplit® & QuadSplit®* for RGB

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## **Introduction**

Thank you for purchasing this fine distribution amplifier (splitter) for RGB. This product allows for the output of RGB computer video to be seen on 1 to 4 monitors simultaneously, depending on the splitter purchased. Each monitor can be located up to 200 feet away from the splitter.

*This product is supplied with the following components:*

- 1 TwinSplit or QuadSplit for RGB
- 1 9 Vdc power transformer
- 1 User's Manual
- 1 Product Registration Card and Survey

*Key features of these splitters are:*

- 300 MHz bandwidth
- Supports RGB signals with separate composite or H & V sync, sync-on-green, or sync-on-RGB

In addition, you may have ordered optional monitor extension cables. These cables have been specially designed by Communications Specialties for low signal loss and are available in custom lengths.

## **Installation**

1. Locate TwinSplit or QuadSplit within close proximity of the computer.
2. Connect coaxial cable from the monitor output of the computer to the *red*, *green* and *blue* input connectors. Depending on your computer and monitor type, you may also need to connect coaxial cables from the computer to the input connectors marked H/CS (Horizontal/Composite Sync) and/or V (Vertical Sync).
3. If you are using an adapter cable, such as an HD-15 to 5 BNC cable or other adapter cable, connect that adapter to the input and/or output as necessary for the computer type you are using.
4. Connect the monitor(s) to the *red*, *green*, *blue*, *H/CS* and *V* outputs on the rear of TwinSplit or QuadSplit. Monitor extension cables (CAB-43) may be used to extend the distance up to 200 feet.
5. Plug the supplied 9 Vdc wall power transformer into the jack marked *Power* on the rear of TwinSplit or QuadSplit.
6. Plug the power transformer into a 110 Vac wall outlet as appropriate. The front panel LED should glow red indicating the unit is properly powered.
7. Turn on the computer and the monitor(s). The monitor(s) will now display the computer's output.

## **System Operation**

TwinSplit and QuadSplit require no ongoing adjustments once they are installed. They are designed to work continuously and can be placed “out of sight” if desired. The design intention of the product is to provide a reliable means of extending the viewing position of

RGB monitors. They can also be used to drive multiple monitors at the same time.

Additionally, each monitor output is independently buffered. This ensures isolation and proper signal levels, regardless of the number of monitors used. The splitters may be cascaded to achieve multiple outputs at different distances from the computer. Communications Specialties can help with specific application assistance.

Please note that the plug-in transformer will feel warm after the unit is on for a period of time. This is normal, as TwinSplit and QuadSplit draw a significant amount of power.

## **Cable Length Supported**

Pixel Format	H Frequency (kHz)	Maximum Length CAB-43 cable (feet)
VGA/Mac® (640 x 480)	31.5	250
SVGA (800 x 600)	37	200
SVGA (1024 x 768)	56	125
Mac (1152 x 871)	68	100
Sun® (1152 x 900)	61.7	125
SVGA/Sun (1280 x 1024)	64	75
Sun (1600 x 1280)	89	50

## **FCC User Information**

Warning: This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause interference to radio

communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart B of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user, at his own expense, will be required to take whatever measures may be required to correct the interference.

## **Limited Warranty**

Communications Specialties, Inc. (CSI) warrants that for a period of three years after purchase by Buyer, TwinSplit or QuadSplit for RGB will be free from defects in material and workmanship under normal use and service. A Return Material Authorization (RMA) number must be obtained from CSI before any equipment is returned by the Buyer. All material must be shipped to CSI, Hauppauge, New York, at the expense and risk of the Buyer. Units returned to the Buyer will be shipped freight collect.

CSI's obligation under this warranty will be limited, at its option, to either repair or replacement of defective units, including free materials and labor, at its customer service facility in Hauppauge, New York. In no event shall CSI be responsible for any incidental or consequential damages or loss of profits or goodwill.

CSI shall not be obligated to replace or repair equipment damaged by fire, war, acts of God or similar causes, or equipment that has been serviced, altered, improperly installed or abused.

RMA numbers and repairs can be obtained from:

Communications Specialties Headquarters  
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