



VGA Splitter User Guide



www.epiphan.com

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You can go to the [VGA Splitter](#) page of the Epiphan website to get information about the VGA Splitter device.

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- Your product serial number.
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- Complete description of the problem you are experiencing.

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The crossed-out wheeled bin symbol invites you to use those systems.

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1. Installation and Getting Started

This document describes how to use the Epiphan VGA Splitter device to split a single VGA signal between two VGA display, capture, or recording devices. The Epiphan VGA Splitter is an active splitter that takes a single VGA input and provides two VGA outputs:

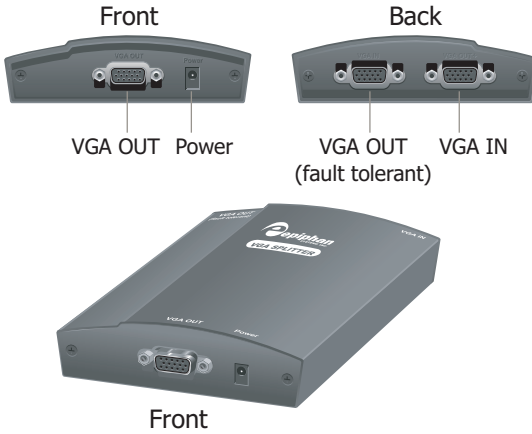
- A fault tolerant VGA output
- An amplified VGA output

The fault tolerant VGA output provides a direct connection to the original VGA output and is delivered by the Epiphan VGA Splitter without any changes to the VGA signal. If the Epiphan VGA Splitter loses power, the fault tolerant VGA signal will be maintained. The quality of the amplified VGA output is also the same as the original VGA signal. It is a copy of the original VGA signal that is then amplified by the Epiphan VGA Splitter. The amplified signal is lost if power is disconnected from the VGA Splitter device.

This document contains the following sections:

- [Hardware Features](#)
- [Connecting and Powering on the VGA Splitter](#)
- [Troubleshooting](#)

Hardware Features



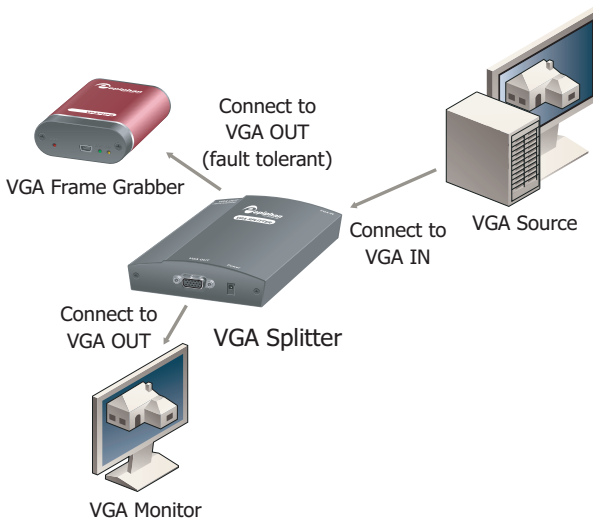
The following table describes VGA Splitter hardware features.

Power	Connect the AC power adapter to the VGA Splitter power connector and to a power outlet.
VGA IN	Connect the VGA source to the VGA IN port using a standard VGA cable.
VGA OUT (fault tolerant)	Connect a VGA monitor or projector to view the video signal received at the VGA IN port. The VGA OUT (fault tolerant) port connects directly to the VGA IN port and will continue to function if the VGA Splitter loses power because of a power interruption or because the AC power adapter is disconnected.
VGA OUT	Connect a second VGA monitor or projector to split the video signal received at the VGA IN port. The VGA signal to the VGA OUT port is amplified by the VGA Splitter to be as high quality as the signal received at the VGA IN port. The signal at the VGA OUT port will be lost if the VGA Splitter loses power.

Connecting and Powering on the VGA Splitter

This section describes how to connect a VGA Splitter to a VGA source and to a VGA monitor and VGA Frame Grabber (Figure 1). The Frame Grabber is connected to the fault tolerant VGA OUT port because the primary application is image capture using the Frame Grabber.

Figure 1: Connecting a VGA Splitter device



To connect the VGA Splitter

- 1 Use a VGA cable to connect the VGA source to the VGA Splitter VGA IN port.
- 2 Use another VGA cable to connect the VGA Frame Grabber (for example, a VGA2USB device) to the VGA Splitter VGA OUT (fault tolerant) port.
- 3 Connect a VGA display device (for example a VGA monitor) to the VGA Splitter VGA OUT port.

- 4 Connect the power cable to the VGA Splitter power port.

As it receives VGA signals from the VGA source, the VGA Splitter splits the signal, sending the original signal to the Frame Grabber and a high-quality copy of the signal to the VGA display device.

Troubleshooting

If the VGA OUT port is not receiving a VGA signal but the VGA OUT (fault tolerant) port is, make sure the VGA Splitter is receiving power.

If neither of the VGA OUT ports are receiving a VGA signal, check all connections to the VGA Splitter. You should also verify that the VGA source is operating correctly and that the VGA display devices are receiving power.

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October 6, 2016

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The equipment that you bought has required the extraction and use of natural resources for its production. It may contain hazardous substances that could impact health and the environment. In order to avoid the dissemination of those substances in our environment and to diminish the pressure on the natural resources, we encourage you to use the appropriate take-back systems. Those systems will reuse or recycle most of the materials of your end life equipment in a sound way. The crossed-out wheeled bin symbol invites you to use those systems. If you need more information about collection, reuse and recycling systems, please contact your local or regional waste administration. You can also contact us for more information on the environmental performance of our products.

Important Safety Warnings

WARNING: This product has no user-serviceable parts and the battery used in this device is not replaceable. Do not attempt to disassemble. Return the device for service.

CAUTION, RISK OF ELECTRIC SHOCK: This device may have multiple AC power cords installed. All power sources shall be disconnected before servicing to avoid shock hazard.

ATTENTION: Cet appareil ne contient aucun composant pouvant être entretenu ou réparé par l'utilisateur. En cas de panne, retourner l'appareil pour réparation.

ATTENTION, RISQUE DE CHOC ÉLECTRIQUE: Cet appareil peut être équipé de multiples cordons d'alimentation en courant alternatif. Pour placer cet appareil hors tension, débrancher tous les cordons d'alimentation sans exception.

FCC & CE Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference
2. This device must accept any interference received, including interference that may cause undesired operation.

Marking by the symbol **CE** indicates compliance of this device with EMC directive of the European Community and meets or exceeds the following technical standard.

EN 55022 - Limits and Methods of Measurement of Radio Interference Characteristics of Information Technology Equipment.



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