datavideo®

2 x 6 3G HD/SD-SDI Distribution Amplifier

VP-597

Quick Start Guide

www.datavideo.com

Contents

Warnings and Precautions

1. Read all of these warnings and save them for later reference.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit in or near water.
5. Do not place this unit on an unstable cart, stand, or table. The unit may fall, causing serious damage.
6. Slots and openings on the cabinet top, back, and bottom are provided for ventilation. To ensure safe and reliable operation of this unit, and to protect it from overheating, do not block or cover these openings. Do not place this unit on a bed, sofa, rug, or similar surface, as the ventilation openings on the bottom of the cabinet will be blocked. This unit should never be placed near or over a heat register or radiator. This unit should not be placed in a built-in installation unless proper ventilation is provided.
7. This product should only be operated from the type of power source indicated on the marking label of the AC adapter. If you are not sure of the type of power available, consult your Datavideo dealer or your local power company.
8. Do not allow anything to rest on the power cord. Do not locate this unit where the power cord will be walked on, rolled over, or otherwise stressed.
9. If an extension cord must be used with this unit, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord's rating.
10. Make sure that the total amperes of all the units that are plugged into a single wall outlet do not exceed 15 amperes.
11. Never push objects of any kind into this unit through the cabinet ventilation slots, as they may touch dangerous voltage points or short out parts that could result in risk of fire or electric shock. Never spill liquid of any kind onto or into this unit.

12. Except as specifically explained elsewhere in this manual, do not attempt to service this product yourself. Opening or removing covers that are marked "Do Not Remove" may expose you to dangerous voltage points or other risks, and will void your warranty. Refer all service issues to qualified service personnel.

13. Unplug this product from the wall outlet and refer to qualified service personnel under the following conditions:

   a. When the power cord is damaged or frayed;

   b. When liquid has spilled into the unit;

   c. When the product has been exposed to rain or water;

   d. When the product does not operate normally under normal operating conditions. Adjust only those controls that are covered by the operating instructions in this manual; improper adjustment of other controls may result in damage to the unit and may often require extensive work by a qualified technician to restore the unit to normal operation;

   e. When the product has been dropped or the cabinet has been damaged;

   f. When the product exhibits a distinct change in performance, indicating a need for service.

Warranty

Standard Warranty

- Datavideo equipment is guaranteed against any manufacturing defects for one year from the date of purchase.

- The original purchase invoice or other documentary evidence should be supplied at the time of any request for repair under warranty.

- Damage caused by accident, misuse, unauthorized repairs, sand, grit or water is not covered by this warranty.

- All mail or transportation costs including insurance are at the expense of the owner.

- All other claims of any nature are not covered.

- Cables & batteries are not covered under warranty.

- Warranty only valid within the country or region of purchase.

- Your statutory rights are not affected.

Two Year Warranty

- All Datavideo products purchased after 01-Oct.-2008 qualify for a free one year extension to the standard Warranty, providing the product is registered with Datavideo within 30 days of purchase. For information on how to register please visit www.datavideo-tek.com or contact your local Datavideo office or authorized Distributors

- Certain parts with limited lifetime expectancy such as LCD Panels, DVD Drives, Hard Drives are only covered for the first 10,000 hours, or 1 year (whichever comes first).

Any second year warranty claims must be made to your local Datavideo office or one of its authorized Distributors before the extended warranty expires.

Disposal
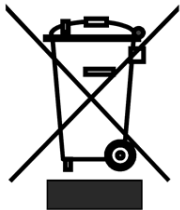
For EU Customers only - WEEE Marking

This symbol on the product indicates that it will not be treated as household waste. It must be handed over to the applicable take back scheme for the recycling of electrical and electronic equipment. For more detailed information about the recycling of this product, please contact your local Datavideo office.

Packing List

The following items should be included in the box. If any items are missing please contact your supplier.

1 x Accessory Note
1 x VP-597 Quick Start Guide

Introduction

Datavideo VP-597 is a six output distribution amplifier with A/B toggle switch (None Sync). It's compatible with 1080P 3G & full HD. Also re-clock for long distance transmission. GPI remote control interface enables long distance cable remote control.

Feature

- 6 x SDI distribution output
- A/B source switch
- Support 3G SDI
- Support Re-clock function
- GPI remote control
- Implement Datavideo DAC series aluminium housing to keep family ID design.

Connections & Controls

Front Panel
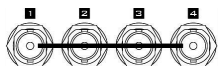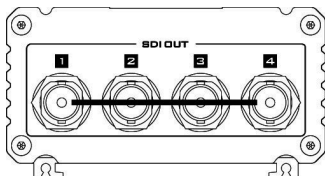
3G HD/SD - SDI Output

BNC connector for SDI Output (1~4).

Rear Panel
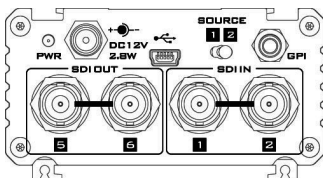
DC in socket

Connect the supplied 12V PSU to this socket. The connection can be secured by screwing the outer fastening ring of the DC In plug to the socket.

Mini USB
USB interface for firmware update;
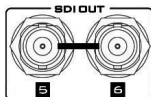DAC center utility control interface

SOURCE Switch
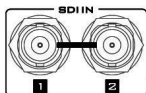
Select the SDI input source1 or source2.

GPI socket

Can be used for simple external control. The VP-597 can be a trigger to switch the SDI input source1 or source2.

3G HD/SD – SDI Output

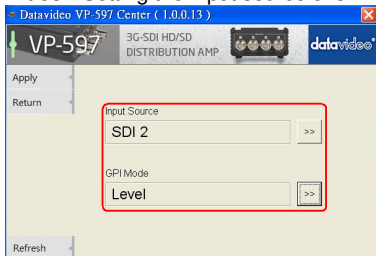BNC connect for SDI Output (5, 6).

3G HD/SD - SDI Input

BNC connect for SDI Input
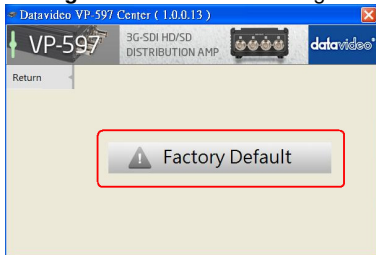
VP-597 Center

Information - Display the Input format & F/W Version.

Video - Setting the input source & GPI mode.

Setting – Press the button setting VP-597 to factory default.
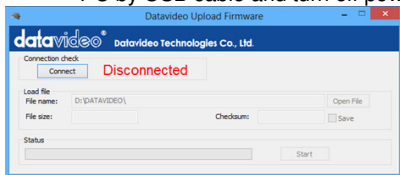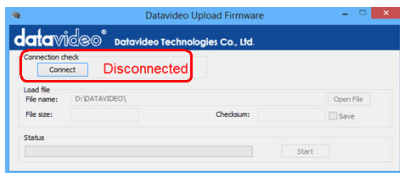
Firmware Upgrade

Firmware is upgradable in the field using the integrated USB port.
*Note: When you upgrade the VP-597, please turn the power on first,
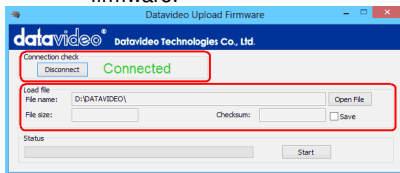   and then use USB cable connect to PC.*

Step 1- open upload firmware program tools.exe, connect unit to
        PC by USB cable and turn off power

Step 2 - turn on power

Step 3 - Turn off power and back on again to reset unit and select
        firmware.

Step 4 - press start button to update the firmware

Step 5 - close upload firmware program tools

GPI / GPO Connections

The VP-597 can be controlled externally via a simple contact closure GPI (General Purpose Interface) switch. This could be a push button, foot switch or any relay or any circuit that is able to provide a simple contact closure.
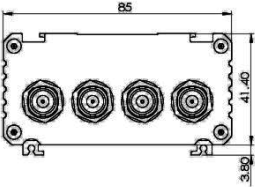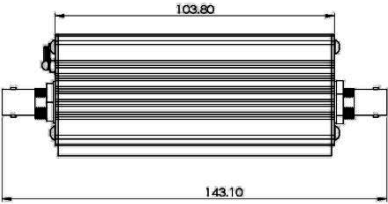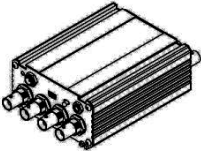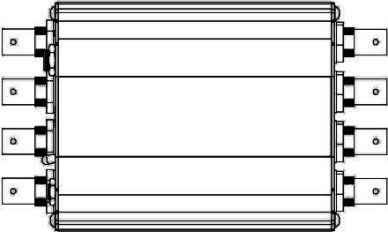
The GPI interface is a 3.5mm Jack Socket. Contact closure between the Outer and Inner contacts on the jack plug will trigger a user selected event. Power is supplied by the VP-597 and is less than 5V DC.

3.5 mm Stereo Jack Plug

Contact closure between inner and outer will send a GPI Trigger
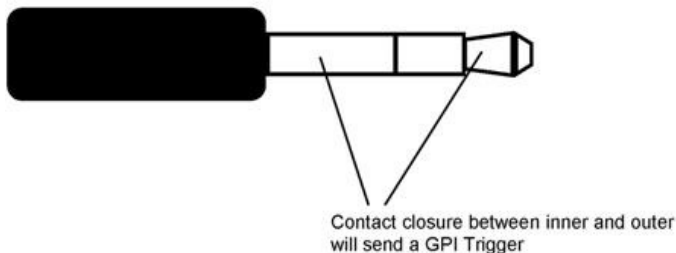
This GPI socket can also be used as a GPO socket to trigger record or playback events with other equipment such as the Datavideo recorder.

Dimension

Specifications

Input	2 x BNC [SDI source selectable]
Output	6 x BNC [SDI]
BNC Connector	3G 75 Ω inter-locked socket
Support Video Resolution	● 3G-SDI: 1080p60/50 1080p59.94 ● HD-SDI: 1080i60/50, 1080p30/25/24, 720p60/50 1080i/59.94, 1080p/29.97, 1080p/23.98 720p/59.94 ● SD-SDI: 525i, 625i
Audio Support	Support SDI embedded audio Up to 8 channels, 48KHz, PCM audio (If available from SDI source)
Re-clock Function	Yes
Input source select	switch / GPI
Mini USB	F/W Upgrade DAC center utility control interface
Dimension	127.1mm(L) x 85mm(W) x 45.2mm(H)
Power	12V / 0.5 A (2.8W)
Operation Temperature	0~50℃ [32~114℉]
Storage Temperature	Minus 10~ +60℃
Certifications	CE/ FCC

Service & Support

It is our goal to make your products ownership a satisfying experience. Our supporting staff is available to assist you in setting up and operating your system. Please refer to our web site www.datavideo.com for answers to common questions, support requests or contact your local office below.

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