

D VD 1606



3G HD-SDI Distribution Amplifier

The D VD 1606 is a compact 1>6 Reclocking HD-SDI distribution amplifier compatible with all video SDI formats from 270 Mbits to 3 GBits bandwidth (1080P 60). The module also provides input signal presence detection indicated using a small LED on the faceplate.

Module Layout and Connections.

Connections are self explanatory and are made using the BNC connectors provided. Please take note of the cable requirements and distances supported to achieve optimal performance.

270 Mbit	Up to 240m	Belden 8281
1.485 Gbit	Up to 140m	Belden 1694A
3 Gbit	Up to 100m	Belden 1694A

LED Status

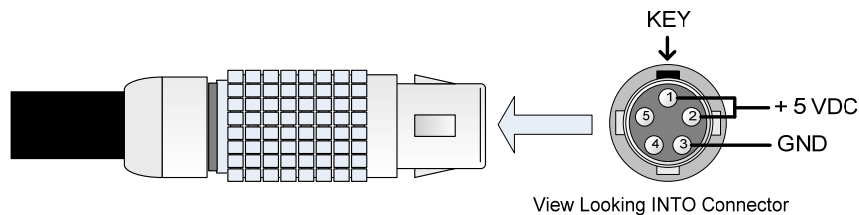
LED = Green shows input signal is present
LED = Red shown no input or invalid input

Power Connection

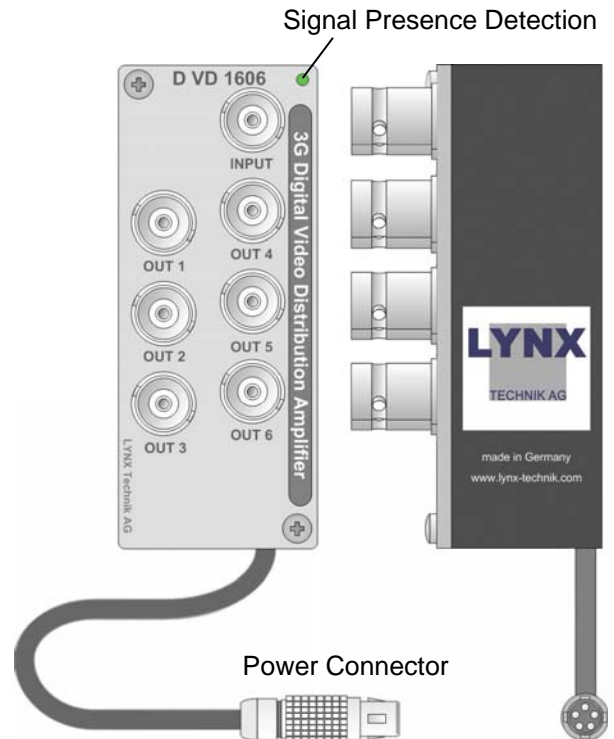
The module has a captive lead with a locking LEMO power connector designed to connect to a LYNX Power Supply. LYNX provides an array of power options including various AC adapters, rechargeable battery packs and DC/DC converters. If you wish to connect your own power source to the Testor then you will require a mating connector. Please refer below for the part number.

LEMO Mating Connector (Female) Part# **FGG.0B.305.CLAD42** You can source these from LYNX using the part numbers provided, or you can source from the manufacturer (LEMO) directly using the same part number.

Please provide a clean **+ 5VDC supply @ 2A max** with a tolerance of + 4.95VDC to +5.10 VDC (under load measured at the connector). We recommend the use of screened power cable connecting the screen to the ground pin. Connection information is shown below.



! **Note.** Any failure or damage to the module as a result of poor / incorrect connections by the use of a non LYNX supplied power source (or adapter) is not covered under warranty.



Warranty Statement

LYNX Technik AG warrants that the product will be free from defects in materials and workmanship for a period of two (2) years from the date of shipment. If this product proves defective during the warranty period, LYNX Technik AG at its option will either repair the defective product without charge for parts and labor, or will provide a replacement in exchange for the defective product.

In order to obtain service under this warranty, customer must notify LYNX Technik of the defect before expiration of the warranty period and make suitable arrangements for the performance of service. Customer shall be responsible for packaging and shipping the defective product to the service center designated by LYNX Technik, with shipping charges prepaid. LYNX Technik shall pay for the return of the product to the customer if the shipment is within the country which the LYNX Technik service center is located. Customer shall be responsible for payment of all shipping charges, duties, taxes and any other charges for products returned to any other locations.

This warranty shall not apply to any defect, failure, or damage caused by improper use or improper or inadequate maintenance and care. LYNX Technik shall not be obligated to furnish service under this warranty a) to repair damage resulting from attempts by personnel other than LYNX Technik representatives to install, repair or service the product; b) to repair damage resulting from improper use or connection to incompatible equipment; c) to repair any damage or malfunction caused by the use of non LYNX Technik supplies; or d) to service a product which has been modified or integrated with other products when the effect of such modification or integration increases the time or difficulty servicing the product.

THIS WARRANTY IS GIVEN BY LYNX TECHNIK WITH RESPECT TO THIS PRODUCT IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED. LYNX TECHNIK AND ITS VENDORS DISCLAIM ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. LYNX TECHNIK'S RESPONSIBILITY TO REPAIR AND REPLACE DEFECTIVE PRODUCTS IS THE SOLE AND EXCLUSIVE REMEDY PROVIDED TO THE CUSTOMER FOR BREACH OF THIS WARRANTY. LYNX TECHNIK AND ITS VENDORS WILL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IRRESPECTIVE OF WHETHER LYNX TECHNIK OR THE VENDOR HAS ADVANCE NOTICE OF THE POSSIBILITY OF SUCH DAMAGES.

Regulatory information

Europe

Declaration of Conformity

We LYNX Technik AG
Brunnenweg 3
D-64331 Weiterstadt
Germany

Declare under our sole responsibility that the product

TYPE: **D VD 1606**

To which this declaration relates is in conformity with the following standards (environments E1-E3):

EN 55103-1 /1996
EN 55103-2 /1996
EN 60950 /2001

Following the provisions of 89/336/EEC and 73/23/EEC directives.

Winfried Deckelmann

Weiterstadt, September 2008



Place and date of issue

Legal Signature

USA

FCC 47 Part 15

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to the part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense

RoHs Conformity



The RoHS Directive stands for "the restriction of the use of certain hazardous substances in electrical and electronic equipment". This Directive bans the placing on the EU market of new electrical and electronic equipment containing more than agreed levels of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants.

This product conforms to EU RoHS Directives 2002/95/EC

Support

Please contact your local dealer or reseller for technical support, or contact us directly online at www.lynx-technik.com select "support" and then "technical support" and complete online request.