



Instruction Manual

**1T-DVI-721 2 X 1 and 1T-DVI-741
4 X 1 DVI Switcher**

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1.0 INTRODUCTION

Thanks for purchasing this 1T-DVI-721 2 X 1 DVI Switcher or 1T-DVI-741 4 X 1 DVI Switcher from TV One. The DVI Switchers are designed to allow the switching of multiple HDCP compliant DVI signals to one DVI HDCP compliant display device. Our professional video conversion products have been serving the industry for over twenty years. TV One offers a full line of high quality Video Scalers, Scan Converters, Analog-Digital (DV, SDI, DVI) Converters, Standards Converters, Digital Video Recorders, Frame Synchronizers, Time Base Correctors, LCD Monitors, Matrix Routing Switchers and Distribution Amplifiers.

1.1 Liability Statement

Every effort has been made to ensure that this product is free of errors. TV One cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user of the hardware to check that it is suitable for his/her requirements and that it is installed correctly. All rights reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher.

TV One reserves the right to revise any of its hardware and software following its policy to modify and/or improve its products where necessary or desirable. This statement does not affect the legal rights of the user in any way.

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1.2 FEATURES

The 1T-DVI-721 2 X 1 and 1T-DVI-741 4 X 1 DVI Switchers have many features that enable them to perform in a superior manner. Among those features you will find:

- Supports HDCP
- Supports DDWG standard resolution
- Two or Four DVI Sources share one DVI compliant monitor, HDTV display or Home Theatre Projector
- Use the unit's Push button controls or included IR remote to switch display devices

2.0 SPECIFICATIONS

Performance	
Maximum Pixel Rate	165MHz
Maximum Resolution	1920 X 1200@60Hz
I/O Connectors	
DVI Source Port Connectors	2x or 4x DVI-I 29 pin female
Display Device Port Connector	1x DVI-I 29 pin female
Display device selection	Push Button or Remote
Mechanical	
Dimension (H-W-D)	1.5"x6.3"x2.8" (45x162x72mm)
Weight	14 oz (400g)
Warranty	
Limited Warranty	2 Years Parts and Labor
Environmental	
Operating Temperature	0° to 40° C (+32° to +104° F)
Operating Humidity	10% to 85% Non-condensing
Storage Temperature	-20° to +60° C (+20° to +140° F)
Storage Humidity	10% to 85% Non-condensing
Power Requirements	
External Power Supply	9VDC@1.3A
Regulatory Approvals	
Switcher Unit	FCC, CE
Power Supplies	UL, CE, CSA
Accessories Included	
1x DVI Cable	6' (2m) DVI-I Connectors
1x AC Power Adapter	US, UK or Euro Type
1x Operations Manual	

3.0 CHECKING PACKAGE CONTENTS

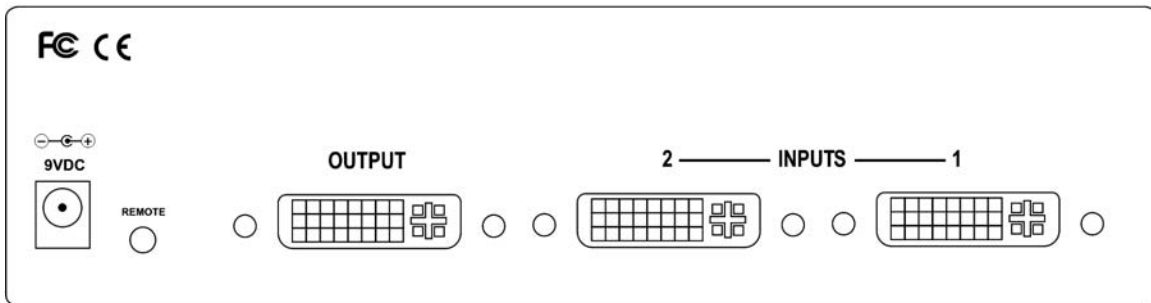
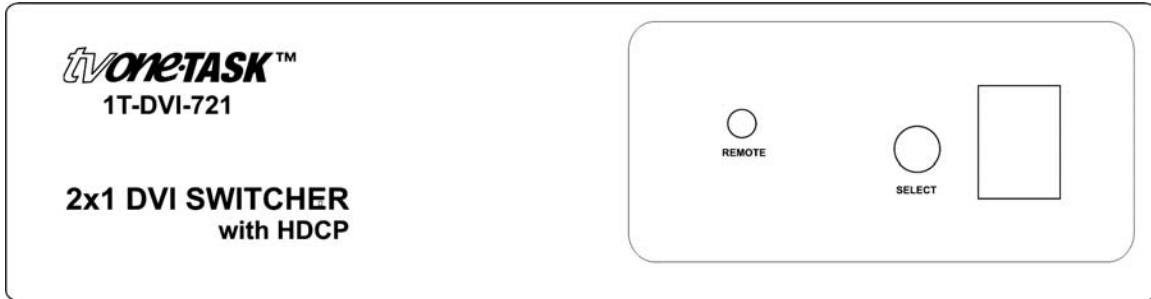
Before attempting to use this unit, please check the packaging and make certain the following items are contained in the shipping carton:

- 1x 1T-DVI-721 or 1T-DVI-741 DVI Switcher w/Remote Control
- 1x DVI Cable
- 1x 9 VDC AC Adapter
- 1x Operations Manual

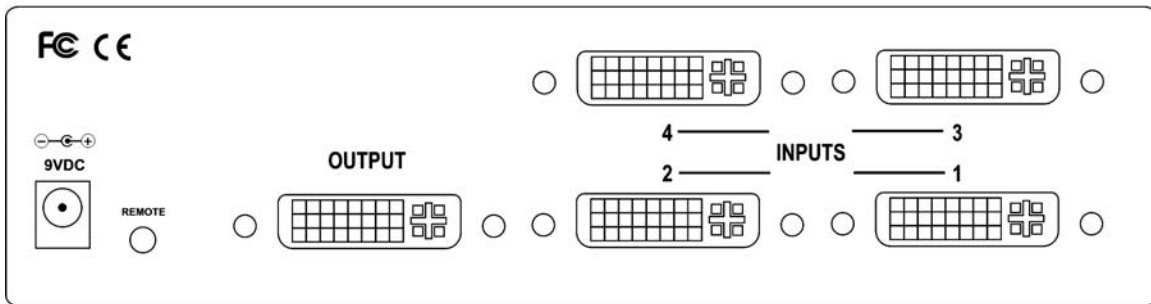
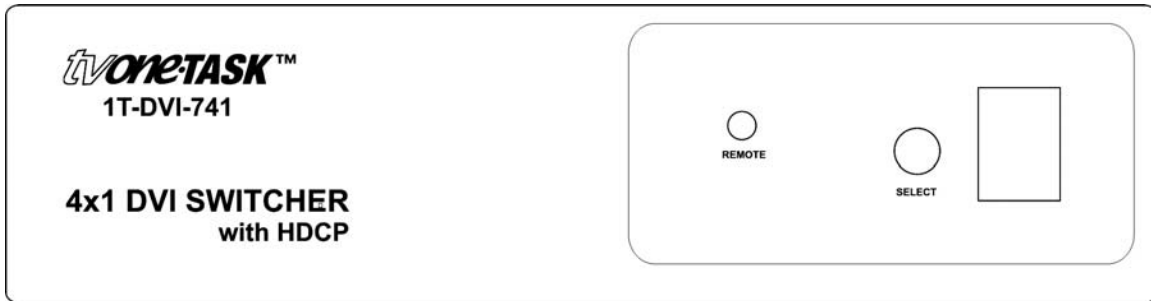
Note: Please retain the original packing material should the need ever arise to return the unit. If you find any items are missing, contact your reseller or TV One immediately. Have the Model Number, Serial Number and Invoice available for reference when you call.

4.0 CONNECTING THE HARDWARE

Please study the panel drawings below and become familiar with the signal inputs, output, power requirements/inputs plus any controls present.



1T-DVI-721 2 X 1 DVI Switcher



1T-DVI-741 4 X 1 DVI Switcher

5.0 OPERATING THE UNIT

Before installation, please make sure all of devices have been turned off.

- Connect your DVI display to the switcher's DVI output with high quality DVI-I cable.
- Connect 2 or 4 DVI-I sources to the switcher's inputs (total depends on switcher model) with high quality DVI cable.
- Plug the 9 VDC power adapter into the rear of the unit.
- Plug the Power Adapter into a working AC socket.
- Power on all input and output devices.
- Select the DVI source you want to view as explained below.

You can select the channels you want to access in two ways: front panel push button selection or via the remote control included with the package content.

5.1 Front Panel Push Button Selection:

The front panel push button is used to select the channel to be displayed on the screen. Pressing the button during normal operation will cause the next channel to be selected in sequence.

5.2 Remote Control Selection:

The channel selection can also be made via the provided remote by pressing the appropriate button.

Note: If you have a problem with the IR control conflicting with other devices, the remote allows users to reconfigure four (A, B, C, D) alternate combinations of IR codes.

The default code is A.

Push and hold the IR code button (A, B, C or D) on remote control panel for 2 seconds. The 7-segment LED display will show the IR code for one second when the new IR code is set.

6.0 TROUBLESHOOTING

If the switcher does not appear to be functioning, make certain that all the DVI sources and the DVI capable monitor are functioning correctly by connecting each DVI source in turn directly to the monitor using a cable with a length of 6 feet or less. If the signal is present under those conditions, make certain that the power is present on the switcher. If it is, measure the cable length you are attempting to use between the sources to the switcher and the switcher to the monitor. The cables must be 6 foot long or less. Lastly, Inspect the cables and

connectors for damage. *Note: If you need to span a distance of greater than 6 feet, purchase TV One's 1T-DVI-RH repeater which will allow you to extend a cable run up to 40 feet.*

After trying the above suggestions should the problem still persist, contact your dealer for additional suggestions before contacting TV One. Should the dealer's technical personnel be unable to assist you, contact TV One via our support website: <http://tvone.crmdesk.com>. Create a technical support request on the site and our support team will respond within a short period of time.

7.0 LIMITED WARRANTY

LIMITED WARRANTY – With the exceptions noted in the next paragraph, TV One warrants the original purchaser that the equipment it manufactures or sells will be free from defects in materials and workmanship for a period of two years from the date of purchase. Should this product, in TV One's opinion, prove defective within this warranty period, TV One, at its option, will repair or replace this product without charge. Any defective parts replaced become the property of TV One. This warranty does not apply to those products which have been damaged due to accident, unauthorized alterations, improper repair, modifications, inadequate maintenance and care, or use in any manner for which the product was not originally intended.

Items integrated into TV One products that are made by other manufacturers, notably computer hard drives and liquid crystal display panels, are limited to the term of the warranty offered by the respective manufacturers. Such specific warranties are available upon request to TV One.

If repairs are necessary under this warranty policy, the original purchaser must obtain a Return Authorization Number from TV One and return the product to a location designated by TV One, freight prepaid. After repairs are complete, the product will be returned, freight prepaid.

LIMITATIONS - All products sold are "as is" and the above Limited Warranty is in lieu of all other warranties for this product, expressed or implied, and is strictly limited to two years from the date of purchase. TV One assumes no liability to distributors, resellers or end-users or any third parties for any loss of use, revenue or profit.

TV One makes no other representation of warranty as to fitness for the purpose or merchantability or otherwise in respect of any of the products sold. The liability of TV One with respect to any defective products will be limited to the repair or replacement of such products. In no event shall TV One be responsible or liable for any damage arising from the use of such defective products whether such damages be direct, indirect, consequential or otherwise, and whether such damages are incurred by the reseller, end-user or any third party.

8.0 REGULATORY COMPLIANCE

The 1T-DVI-721 and 1T-DVI-741 DVI Switchers have been tested for compliance with FCC and CE Regulations.

The Power Adaptor/Supply has been tested for compliance with UL, CSA & CE Regulations.

9.0 CONTACT INFORMATION

Should you have questions or require assistance with this product in areas not covered by this manual, please contact TV One at the appropriate location shown below:

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