

DV-1
DV-2

DV-1 SDI-Analog Converter
DV-2 Analog-SDI Converter

Manual Version 1.01



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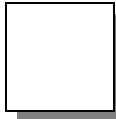
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DV-1 Serial Digital to Analog Converter DV-2 Analog to Serial Digital Converter

Congratulations on your purchase from Burst Electronics Inc. This manual will cover the operation of the DV-1 Serial Digital to Analog Converter and the DV-2 Analog to Serial Digital Converter.

DV-1

The Model DV-1 converts Serial Digital into Analog Video.

Features include jumper selectable for either Composite or S-Video Output, as well as NTSC, PAL-B (Europe), or PAL-M (Brazil). The DV-1 provides 4:2:2 270 Mbit SMPTE 259M, and 10-bit decoding. The DV-1 can also be used as a Full Field Colorbar Generator.



DIP Switch Settings;

Video Standard Settings

- | | |
|------------------|------------------|
| #1 Down, #2 Down | = NTSC |
| #1 Up, #2 Down | = PAL-B (Europe) |
| #1 Down, #2 Up | = PAL-M (Brazil) |

Composite, S-Video, Colorbar Generator Settings

- | | |
|---------|--|
| #3 Down | = Pedestal On (NTSC Only) |
| #3 Up | = Pedestal Off |
| #4 Down | = Composite |
| #4 Up | = S-Video |
| #5 Down | = SDI - Analog (Normal Mode) |
| #5 Up | = Full Field Colorbars (Serial Digital input required) |

DV-2

The Model DV-2 converts Analog Video into Serial Digital Video. Features include jumper selectable for Composite or S-Video input, 7.5 IRE on/off, and Comb Filter on/off. The DV-2 will accept PAL, SECAM, and NTSC. The SDI outputs are 4:2:2 270 Mbit SMPTE 259M 270Mhz., 8-bit encoding.



DIP Switch Settings:

#1 Down	= Composite
#1 Up	= S-Video
#2	= Not Used
#3 Down	= 7.5 IRE Setup On
#3 Up	= 7.5 IRE Setup Off
#4 Down	= Comb Filter Off
#4 Up	= Comb Filter On

Notes Regarding Switches:

DV-2 Switch #3 should be set Off if the analog video coming in already has 7.5 IRE setup. If this switch is turned on, then the DV-2 will add another 7.5 IRE to your setup.

Specifications

DV-1

Input:	SDI. NTSC or PAL 4:2:2 270Mbit SMPTE 259M
Outputs:	Selectable for Analog Composite or S-Video
Output:	Adjustable –6dB to +3dB
Power:	5V 400mA Max (2 Watts)

DV-2

Input:	Selectable for Analog Composite or S-Video
Outputs:	SDI. 4:2:2 270Mbit SMPTE 259M
Power:	5V 400mA Max (2 Watts)

Video Connectors: BNC

Power:	100 - 240 VAC 50/60Hz +5Vdc (center positive) 1A Max 5 Watts Max
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Dimensions:	2.8W x 0.8H x 4.5D
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Warranty:	One Year Parts and Labor
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