

Single Channel Full Frame 4:2:2 Time Base Corrector

TBC-1000

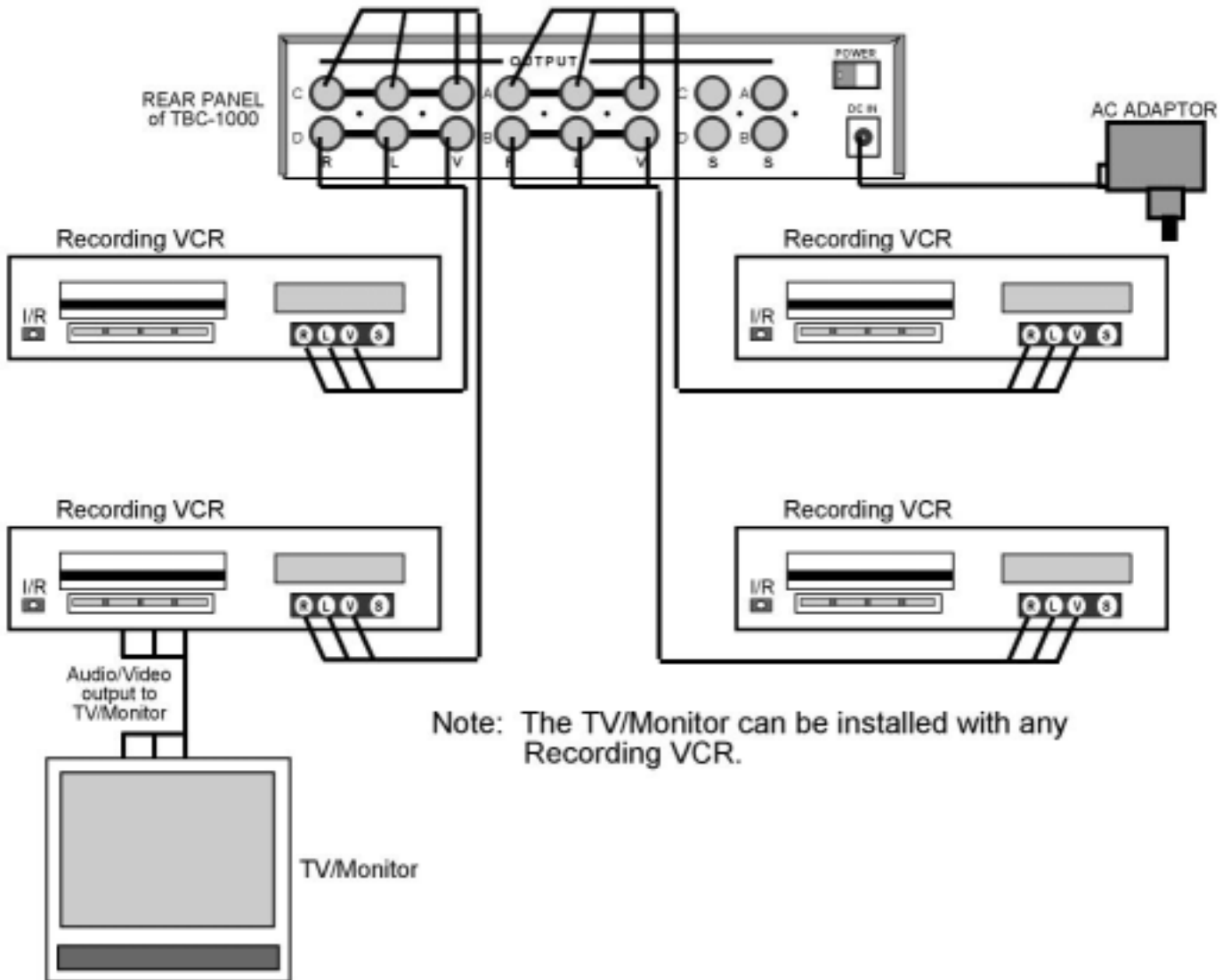


Instruction Manual

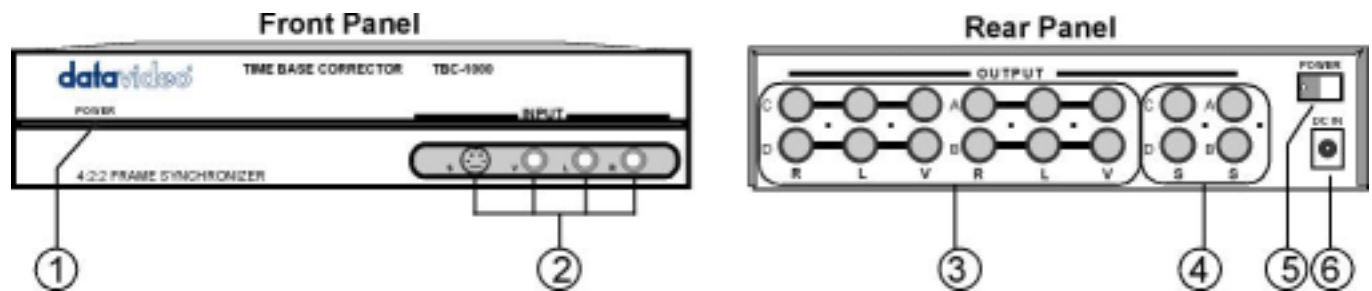
Make copies of your video without noticeable signal loss or noise. Now you can correct an unstable video source before you make copies. The TBC-1000 is a digital full frame synchronizer that replaces all sync signals from the source. The result is clean transfers and clear copies. With a built-in four output distribution amplifier for audio and video, you can quickly make multiple copies with professional results.

- Re-generates all the sync signals to stabilize the video
- Frame Synchronization with full frame memory
- Built-in four output distribution amplifier for stereo audio, composite and Y/C video
- Wide bandwidth, Y/C in 4.5 MHz, composite in 3.5 MHz
- Low Noise, S/N ratio >50dB
- 8-bit video resolution, 4:2:2 sampling rate
- PAL/NTSC system auto detect

Installation Diagram:



Front and Rear Panel Connection:



1. Power LED, LED will light up when power is on.
2. Stereo Audio, S(Y/C) video, and Composite video input jacks.
3. Stereo Audio and Composite video input jacks.
4. S(Y/C) video output jacks.
5. Power ON/OFF Switch.
6. DC 12V power input jack.

Operation:

1. Install the equipment as shown in the installation diagram.
2. Turn the power switch on VCRs and TBC-1000. TBC-1000 power LED will light up.
3. Set all recording VCRs to record mode.
4. Playback the source VCR for video recording.

Specifications:

INPUTS

1 S(Y/C) Video & 1 Composite Video Source

1 Stereo Audio Source

Y/C in: 4—pin 75 ohm DIN connector
Composite Video Out: 75 ohm RCA connector, Level: 1.0 Vp-p
Stereo Audio RCA Connector
Impedance: 100Kohm

OUTPUTS

4 S(Y/C) Video Source &
4 Composite Video Source

4 Stereo Audio Source

Y/C out: 4—pin 75 ohm DIN connector
Composite Video Out: 75 ohm RCA connector, Level: 1.0 Vp-p/ unity

Stereo Audio RCA Connector,
Impedance: 1K ohm, Level: unity

GENERAL

Frequency Response

DG,DP

S/N Ratio

Component

Output Level

Correction Range

Video System

Power Requirement

Ambient Temperature

Ambient Humidity

Dimension

Accessories

S-Video 4.5 MHz +/- 3dB

+/- 2%, 1

>50 dB

YUV 4:2:2 8-bit, Y: 13.5 MHz

Unity +/- 0.5dB

Single Channel full frame TBC

PAL/NTSC system auto detect

DC 9V 1A

32° -131° F (0° -55° C)

Less than 90%

210 m/m (W) x 210 m/m (D) x 55 m/m (H)

RCA/RCA and S-Video/S-Video cables