

**1T-TBC** is an ultra compact, high performance Multi-Standard Time Base Corrector designed to correct for time base errors in videotape playback or to correct for instability in most video signals. An integral Digital Processing Amplifier provides all the necessary adjustments to the video parameters. Black with color burst is sent to the output when the input video is not present. Composite and YC (S-Video) inputs and outputs are provided.

**1T-TBC-GL** provides all the features of the 1T-TBC and adds a Genlock feature that enables the incoming video signal to be synchronized to an external video source if desired.

Both models are 12VDC powered and the Power Adapters are included. Locking DC Connectors are provided for security. The Color level, Sharpness, Tint, Brightness and Contrast parameters of the input signal can be adjusted by the user.



### Key Features of the 1T-TBC

- Multi-standard for Worldwide TV Systems
- Comb Filter Decoding of the Video Input
- Integral Video Processor for Adjustments
- Genlocks to System Reference (1T-TBC-GL)

### Specifications

#### Inputs/Outputs

Composite Video	1x via BNC Connector
YC (S-Video)	1x via 4-PIN Mini-DIN Connector
Genlock Input	via BNC (1T-TBC-GL Only)
Genlock Loop-thru	with 75Ω Termination Switch

#### Video Specifications

Impedance	75Ω
Television Standards	NTSC, PAL-B, G, N, M, SECAM
Signal Processing	8-bit
Frequency Response	Flat to more than 20MHz
Chroma to Luma Delay	<=5nS
Differential Gain	<=0.5 %
Differential Phase	<=0.5 °
Signal to Noise Ratio	Better than 60db
Video Level Adjustment	Luma, Chroma, Setup, Hue, Sharp
Filter Selection	Adaptive Comb, Low Pass

#### Control Method

Display	Front Panel LEDs
Front Panel Buttons	Up, Down, Reset, Select

#### Warranty

Limited Warranty 1 Year Parts and Labor

#### Mechanical

Size (H-W-D) 30x133x90mm (1.2"x5.25"x3.5")  
Weight (Net) 310 g (0.69 lbs)

#### Environmental

Operating Temperature 0° to +50° C (+32° to +122° F)  
Operating Humidity 10% to 90%, Non-condensing  
Storage Temperature -10° to +60° C (+14° to +140° F)  
Storage Humidity 10% to 90%, Non-condensing

#### Power Requirement

External Power Supply 12VDC@500mA - Locking DC

#### Regulatory Approvals

TBC Unit FCC, CE, RoHS  
Power Supplies UL, CUL, CE, PSE, GS, RoHS

#### Accessories Included

1x Power Adapter US, UK or Euro

#### Product Item Numbers

1T-TBC Time Base Corrector  
1T-TBC-GL TBC with Genlock

### Panel Drawings

