



## FC-400

Time Base Corrector, Synchronizer & Format Converter

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The FC-400 is a TBC and synchronizer for composite and s-Video (Y/C) signals. It corrects timing errors and outputs both composite and s-Video signals simultaneously.

### FEATURES

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- Bandwidth - 5MHz (-0.5dB).
- Standards - NTSC (3.58) or PAL-B (DIP-switch selectable). No conversion between standards.
- Synchronization - External genlock reference or internal black burst.
- Timing Controls - SCH phase & sync phase.
- Flexible Control Options - Front panel and RS-232.
- Looping Analog Sync Input.
- Selectable Sync Signal Termination.
- Built-in Color Bar & Multi-Burst Generator.
- Desktop Size - Compact size. 2 units can be rack mounted side-by-side in a 1U rack space with the optional RK-1 rack adapter.



## FC-400

### TECHNICAL SPECIFICATIONS

INPUTS:	1 composite video, 1Vpp/75Ω on a BNC connector; 1 Y/C 1Vpp/75Ω (Y), 0.3Vpp/75Ω (C) on a 4-pin connector; 1 genlock with loop, 75Ω/Hi-Z on BNC connectors.
OUTPUTS:	1 composite video, 1Vpp/75Ω on a BNC connector; 1 Y/C 1Vpp/75Ω (Y), 0.3Vpp/75Ω (C) on a 4-pin connector.
VIDEO STANDARDS:	PAL B and NTSC 3.58.
DIGITAL RESOLUTION:	10 bits.
BANDWIDTH (-0.5dB):	5MHz.
DIFF. GAIN:	1%.
DIFF. PHASE:	1Deg.
K-FACTOR:	1%.
S/N RATIO:	63dB.
LUMA NON-LINEARITY:	1%.
CHROMA/LUMA DELAY:	1ns.
CONTROLS:	Front-panel and RS-232; SCH phase, SYNC phase, panel lock.
POWER CONSUMPTION:	12V DC, 270mA.
DIMENSIONS:	22cm x 18cm x 4.5cm (8.6" x 7" x 1.8") W, D, H.
WEIGHT:	1.2kg (2.65lbs) approx.
INCLUDED ACCESSORIES:	Power supply, null-modem adapter.
OPTIONS:	RK-1 19" rack adapter.

