

## YCP-100 Y/C ADAPTOR OWNER'S MANUAL

### INSTALLATION: Configuring the system

The YCP-100 has four (4) possible inputs. If you need to add composite video input to the system you must remove a computer style jumper on the YCP-100. Also, if a Flyer is being used JP3 and JP4 must be removed. All inputs are configured by Y/C Plus as Y/C inputs. With the jumper "ON" this means Y/C In, with the jumper "OFF" this means composite video input. Of course, the composite signal is routed into the Video Toaster inputs, not thru the YCP-100.

INPUT SELECT CHART			
INPUT	JP#	Y/C IN	COMPOSITE
1	JP-1	ON	OFF
2	JP-2	ON	OFF
3	JP-3	ON	OFF
4	JP-4	ON	OFF

**Step 1:** Remove the power cord to prevent electrical shock.

**Step 2:** Remove the computer cover

**Step 3:** Check the system configuration, see chart above

**Step 4:** Select any unused Amiga "Zorro or Expansion Slot" and install

**Step 5:** Install one of the supplied ribbon cables from J-2 on the YCP-100 to JP-2 on the front of the Video Toaster. Make sure the ribbon is flat.

**Step 6:** Install the other ribbon cable from JP-3 to JP-6 (Rear) of the Video Toaster. (Note: If a Flyer is installed in your 2000 series computer a YCP-Flyer cable is required.) You may want to power up and check the program output to be active from the YCP-100.

**Step 7:** If the system checks, replace the computer cover.

**Step 8:** Replace power cord and turn on.

**Step 9:** Install the appropriate cables, Y/C or Composite.

310 SW 6TH AVE, TOPEKA, KS 66603-3109 USA  
785-235-5014 FAX 785-235-3485  
[www.ycplus.com](http://www.ycplus.com)

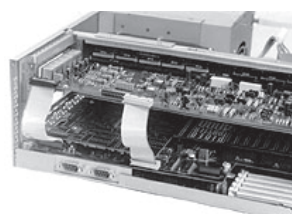
A simple check of the system would be to connect the output of the **YCP-100** directly to a monitor. The program out of the Video Toaster should be displayed. Next, connect the program out to the recording VCR, be sure the input select switch is in the Y/C position. If the system checks, then start connecting inputs, starting with number 1. The Video Toaster genlocks on the number 1 input so adjustment to the subcarrier and horizontal phase should not be necessary. Any of the additional inputs will require subcarrier and horizontal phase adjustments. This is normal and a video engineer with proper equipment may be needed. The **AUTO HUE** procedure is the same and is performed via the composite inputs of the Video Toaster.

### *EXAMPLES*

**Red line is straight across**



YCP-100 Installed  
in 2000 Series



YCP-100 Installed  
in 4000 Series

### **Specifications:**

Video In:	4 ea. Y/C can be configured with Composite Inputs
Video Out:	2 ea. Y/C Out
Lumunance:	1 Volt P-P, 75 ohm Unbalanced, Negative Sync
Chrominance:	286m Volt P-P, 75 ohm Unbalanced
Signal-To-Noise:	Better than 60 Db
Horizontal Res.	Better than 480 Lines Minimum
Diff. Phase:	Less than 1.0°
Diff. Gain:	Less than 1.0%
Response:	-3Db at 5.5 MHz
K Factor:	Less than 0.7%
YCP-100 Delay:	1360 Nanoseconds
Video Toaster Delay:	400 Nanoseconds
Delay Combined:	1760 Nanoseconds
Y/C Combiner Delay:	12 Nanoseconds
Power:	+5 Volts 60 Ma, +12 Volts 108 Ma, -12 Volts 96 Ma

All specifications certified by Faroudja Laboratories, Inc.  
Design and specifications are subject to change without notice.