



# OWNER'S MANUAL

## YCP-VTT

### TOASTER CALIBRATOR & POWER SUPPLY TESTER

FOR AMIGA & IBM COMPUTERS

The **YCP-VTT** is designed to eliminate several Newtek Video Toaster™ problems and to keep your Desktop video workstation in top form, with minimal down time. As a bonus, the **YCP-VTT** also offers a quick check of your Amiga or PC (IBM) power supply. Some of the most common problems, such as “Toaster™ Not Responding”, “Toaster™ Will Not Genlock” and “Toaster™ Will Not Auto Hue” are in many cases eliminated. The **YCP-VTT** is designed to calibrate the Video Toaster’s™ on-board crystal oscillator, without special tools or special knowledge. The **YCP-VTT** is designed to be installed, perform the necessary procedures and ***THEN BE REMOVED***. Your computer housing ***WILL NOT*** go back on with the **YCP-VTT** in place.

**Note:**

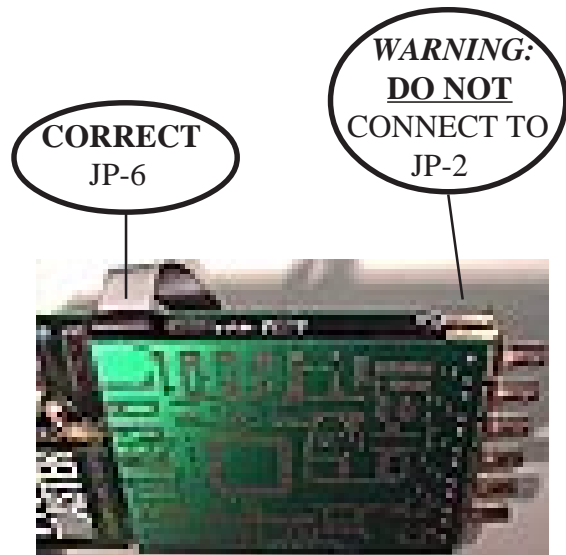
If you are not sure how to install the **YCP-VTT**, remember the **Y/C PLUS** logo goes to the inside of the computer. The **YCP-VTT** will only fit one way in the computer slot.

**TECH BULLETIN:**

**RIBBON CONNECTION TO VIDEO TOASTER™ :**  
DO NOT CONNECT TO JP-2 THE 16 PIN CONNECTOR AT THE REAR OF THE VIDEO TOASTER™. CONNECTION COULD HARM VIDEO TOASTER™ OR YOUR COMPUTER. **CONNECTION TO JP-2 WILL BLOW THE TRACE ON THE YCP-VTT AND VOID YOUR WARRANTY.**

**CONNECT TO JP-6!**

THE CONNECTION IS THE SAME ON A VT-2000 OR VT-4000 VIDEO TOASTER™.



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**BEFORE YOU START:**

Please read these instructions and view the enclosed VHS tape. You will need a phillips screw-driver or nut driver to remove the computer housing. You will also need a small flat blade screw-driver or flat blade tweaking tool.

STEP 1: BE SURE YOUR COMPUTER IS TURNED OFF ANND UNPLUGGED. SAFETY FIRST!

STEP 2: REMOVE THE COMPUTER HOUSING AND DISCONNECT THE VIDEO CABLE TO THE #1 INPUT. IT IS VERY IMPORTANT *NOT* TO HAVE A SOURCE ON THE #1 INPUT.

STEP 3: INSTALL RIBBON CABLE SUPPLIED TO THE YCP-VTT.

STEP 4: INSTALL THE YCP-VTT INTO ONE OF THE PC SLOTS. PLEASE NOTE THE DIFFERENT STYLES FOR THE 2000 SERIES AND THE 4000 SERIES COMPUTER. SEE FIGURE #1 FOR THE 2000 OR FIGURE #2 FOR THE 4000 SERIES. THE YCP-VTT CAN BE PLUGGED ONLY ONE WAY INTO THE COMPUTER!



A2000/A2500 & TOWER  
INSTALLATION

FIGURE 1



A4000  
INSTALLATION

FIGURE 2

**NOTE: IF YOU ARE UNSURE HOW TO INSTALL THE YCP-VTT, REMEMBER THE Y/C PLUS™ LOGO GOES TO THE INSIDE OF THE COMPUTER. THE YCP-VTT WILL ONLY FIT IN THE COMPUTER SLOT ONE WAY.**

STEP 5: CONNECT THE RIBBON CABLE TO JP-6 ON THE TOP OF THE VIDEO TOASTER™.

STEP 6: RECONNECT POWER CABLE AND START THE VIDEO TOASTER™. EVEN THOUGH THE VIDEO TOASTER™ MAY NOT BOOT YOU SHOULD HEAR AN AUDIO TONE FROM THE YCP-VTT. IF YOU DO NOT HEAR A TONE GO TO THE TROUBLSHOOTING SECTION.

STEP 7: YOU CAN NOW ADJUST THE TRIMMER POT OF THE VIDEO TOASTER™. THERE ARE CURRENTLY (2) TWO STYLES OF VIDEO TOASTERS™. THE VT-2000 IS COMMON IN MOST A2000, A2500, OR A3000. THE VT-4000 IS THE NEWEST VERSION USED IN A4000 COMPUTERS, BUT CAN BE INSTALLED IN THE OTHER AMIGA COMPUTERS. SEE FIGURES #3 OR #4 FOR THE STYLE OF VIDEO TOASTER™ YOU OWN.



VT-2000

FIGURE 3



VT-4000

FIGURE 4

STEP 8: HE TONE EMITTING FROM THE YCP-VTT WILL GO HIGH OR LOW DEPENDING ON WHICH WAY YOU ADJUST THE TRIMMER POT. ADJUST THE TONE TO GO LOW. SLOWLY TURN THE TRIMMER POR UNTIL THE TONE IS **SLOWLY CLICKING**. THE SLOWER THE CLICKING THE MORE ACCURATE THE CALIBRATION. A OSCILLOSCOPE CAN BE CONNECTED TO THE TEST POINTS. FIGURE 5.



OSCILLOSCOPE  
CONNECTION

FIGURE 5



VOLTMETER  
CONNECTION

FIGURE 6

**CHECKING YOUR POWER SUPPLY:**

ALL FOUR (4) LED'S WILL LIGHT IF YOUR POWER SUPPLY IS WITHIN 0.2 VOLTS OF THE STATED VALUE. CONNECTION OF A VOLTMETER TO THE TEST LEADS FOR ADDITIONAL VERIFICATION IF THE VOLTAGE TESTS LOW. THE YCP-VTT MAKES IT EASY TO TEST AMIGA AND PC (IBM) POWER SUPPLIES. SEE FIGURE #6 ON THE PREVIOUS PAGE.

**TROUBLESHOOTING:**

**IF ONE OR MORE OF THE LED'S ARE NOT LIT:**

CONNECT A VOLTMETER TO THE TEST LEADS TO VERIFY THE ACTUAL VOLTAGE. DIFFERENT COMPONENTS OF THE COMPUTER MAY NOT WORK OR DIFFERENT FUNCTIONS WILL NOT WORK PROPERLY IF THE VOLTAGE LEVELS ARE INCORRECT.

**THERE IS NOT AN AUDIO TONE:**

**A-** TRY RE-BOOTING THE VIDEO TOASTER™ AGAIN.

**B-** RECONNECT THE RIBBON CABLE, PIN ALIGNMENT IS CRITICAL. IF YOU STILL DO NOT HAVE AN AUDIO TONE, IT IS POSSIBLE THAT THE VIDEO TOASTER™ HAS FAILED.

**AFTER CALIBRATION, THE VIDEO TOASTER™ STILL DOES NOT BOOT:**

IF VIDEO HAS BEEN RECONNECTED TO #1 INPUT, DISCONNECT INCOMING VIDEO AND REBOOT. IF THE VIDEO TOASTER BOOTS STAND-ALONE, IT'S PROBABLE THE INCOMING VIDEO SYNC IS OFF FREQUENCY. CHECK WITH YOUR VIDEO ENGINEER ABOUT CORRECTIVE MEASURES.

**LIMITED WARRANTY:**

Y/C PLUS, INC™ WARRANTS THIS PRODUCT TO BE FREE OF DEFECTS IN MATERIAL OR WORKMANSHIP AS FOLLOWS:

- A. LABOR FOR A PERIOD OF (1) ONE YEAR FROM THE DATE OF PURCHASE.
- B. PARTS FOR A PERIOD OF (1) ONE YEAR FROM THE DATE OF PURCHASE.

CHECK OUT ALL OF THE Y/C PLUS PRODUCT LINE AND OWNER'S MANUALS AT OUR WEBSITE!

**WWW.YCPLUS.COM**