

# Wicher CDTV

8MB SDRAM, IDE Controller



## USER GUIDE

Version 1.1

## Overview

**Wicher CDTV** card has been designed for the Amiga CDTV line of computers. It should be installed in the original CPU socket that is located on the Amiga's motherboard.

**Wicher CDTV** provides 8 MB of additional SDRAM FAST RAM memory, and the IDE controller. In order to properly support the IDE controller, Kickstart 2.05 (37.350) or newer is required. The other prerequisite is BootROM v2.30 or newer.

## In the Box

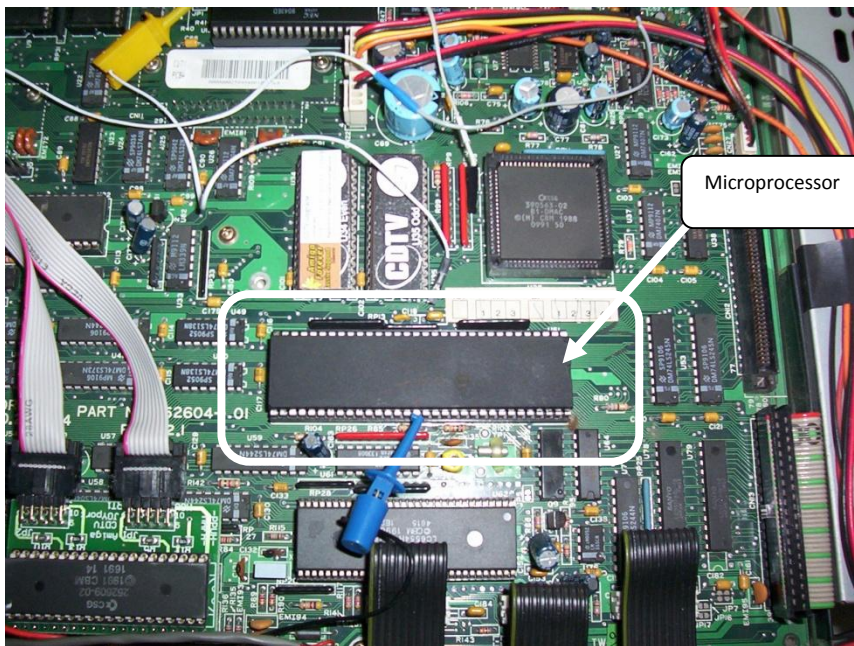
The complete package contains:

- **Wicher CDTV** expansion card in the protective antistatic bag (the CPU is not included),
- Connection cables (2 pcs.)

## Preparing Your Amiga

**Any action regarding your Amiga's case disassembly should be performed with the computer being powered down.**

Before installing **Wicher CDTV** card one should remove Amiga CDTV's case. Next the U51 chip (MC68000) should be located and removed from its socket. The operation should be performed very carefully, using adequate tooling.



## Installing the CPU in Your Wicher CDTV Card

**Wicher CDTV** card supports the following processor models:  
MC68000, MC68HC000, and MC68010 in the DIL-64 packaging.

The CPU should be installed in the socket located on the card, in the position indicated in the following picture.



Correctly installed MC68000 chip

### CAUTION!!!

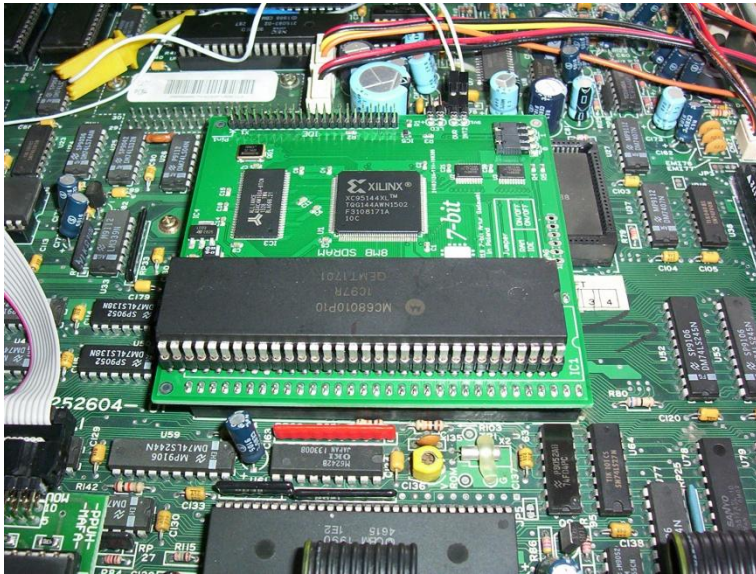
Installation of the CPU should be performed in accordance with the markings visible on the socket and the chip itself. Incorrect installation may result in damaging the CPU, the card or the computer.

## Wicher CDTV Card Installation

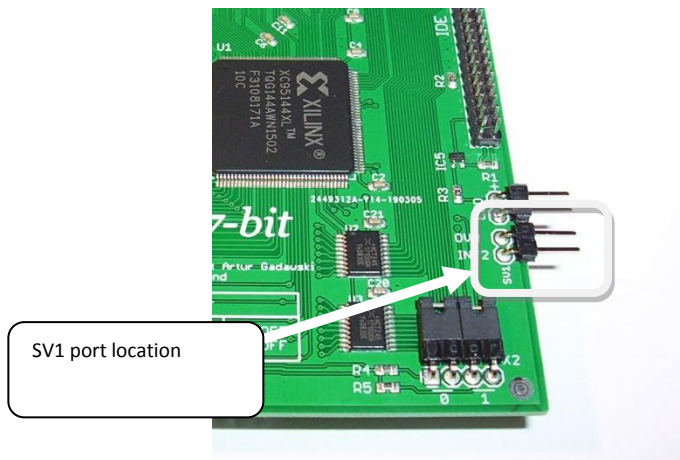
Installation of the card should always be performed with the Amiga being powered down.

Wicher CDTV card has been designed for installation inside the Amiga CDTV computer.

After removing the original MC68000 CPU, one can start the proper **Wicher CDTV** card installation. In order to carry it out, the pins found at the bottom side of the card, should be carefully inserted into the U51 chip socket, and then the card should be gently pressed, until it seats firmly.



As the next step, one should connect the two provided cables to the card's SV1 port, following the instructions presented below.



The **INT2** signal of the SV1 port should be connected to the 21<sup>st</sup> pin of the U9 (ODD CIA A) chip, whereas the **OVR** signal of the SV1 port should be connected to the 29<sup>th</sup> pin of the U12 (Gary) chip. Both of the aforementioned U9 and U12 chips should be easy to locate on Amiga's motherboard.



Correctly connected signal cables

#### CAUTION!!!

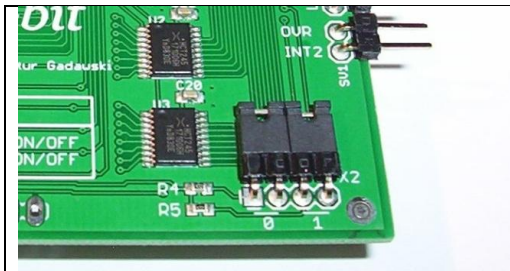
Please take special care when installing the PCB board and connecting the signal cables. Incorrect installation may result in damaging the computer or the turbo card.

When **Wicher CDTV** card is properly installed, you can finally put it through its paces.





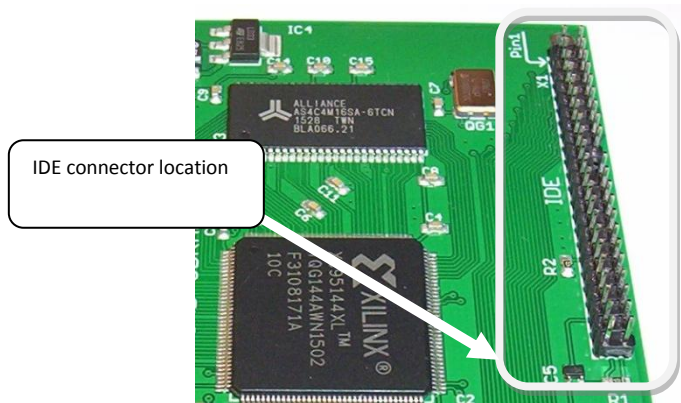
## X2 Jumper Settings



Position 0 – enable / disable RAM  
Position 1 – enable / disable IDE controller

## IDE Device Installation

**Wicher CDTV**'s built-in IDE controller uses the IDE44 port that is compatible with devices such as hard drives and IDE-CF/IDE-SD adapters. When installing any IDE device, please ensure the correct orientation of the pin no. 1 by following the labeling on the **Wicher CDTV** card.



More information on **Wicher CDTV** and other **7-bit** products can be found on our website, available at: <https://7-bit.pl>



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