



SoftTouch CCE or CCE/PC Plus encoder card and upgrading from the DOS to Windows CaptionMaker software

The **SoftTouch encoder card does not operate in a computer running Windows**. In order to run the Windows version of the CaptionMaker you have two choices:

- 1) Purchase a new, stand alone encoder. Prices start at \$1,200 for a Link PDR-845B broadcast quality composite/component encoder.
- 2) Use your current SoftTouch encoder card in the current DOS based computer it is housed in, and run the new Windows version of the CaptionMaker software in a Windows based computer.

In this later case you need to connect the two computers with a null serial cable (a standard serial cable with wires 2 and 3 switched), with a gender changer at one end of the cable to make both ends as 9 pin female. (These items are available from CPC for \$20, or you can get them from another source).

Instructions for Installing

SoftTouch CCE or CCE/PC Plus Card in a Remote Computer

(CCE has 3 BNC connectors and CCE/PC Plus has 4 BNC connectors)

There are 2 models of SoftTouch Encoder cards. The drivers and associated files for Model 1 and model 2 are different.

Model 1 were sold before mid 1993 has 3 BNC connectors and no built-in decoder. Necessary files are:

smartnop.exe
ccetestn.exe
smart.cfg

Model 2 were sold after mid 1993 has 4 BNC connectors and may have built-in decoder.

Necessary files are:

smartcce.exe
ccetest.exe
smart.cfg

The drivers can be found at <http://www.cpcweb.com/download/softtouch.exe>

The SoftTouch card sits in a 16-bit slot inside your computer. Use the slot farthest from the power supply, if possible.

Capabilities:

- ◆ Encodes closed captions
- ◆ Generates open captions
- ◆ Decodes closed captions

The CCE/PC Plus accepts and outputs Composite video.

The SoftTouch CCE/PC must be installed in a remote computer. The computer running CaptionMaker software communicates with the remote computer housing the CCE/PC card via a null modem (serial) cable. The computer housing the card is treated as an external closed caption encoder.

Very Important: Choose Generic Encoder as the caption device from the CaptionMaker software. *Do not choose SoftTouch card* as your caption device. When you use SoftTouch card in the same computer running CaptionMaker software, you need to choose SoftTouch card as your caption device.

You must also run the SMARTCCE software to communicate to the card from the CaptionMaker software.

- ◆ **Serial Cable:** Serial cable must be a null modem cable (Pin 2 and 3 switched) with 9 pin female plugs at each end.
- ◆ **To Record Closed Captions:** Take the video out from the 2nd or 3rd BNC connectors from the top.
- ◆ **To Record Open Captions:** Take the video out from the 4th BNC connector from the top.
- ◆ **Monitoring Closed Captions:** If you are recording closed captions, to monitor captions, you must connect the Decoder Out (open captions) to the Monitor directly unless you have a monitor with a built-in decoder.

Testing the SoftTouch CCE/PC Card

Once the SoftTouch card is installed and connected to your VTRs, test it by running CCETEST.EXE, which is on both the SoftTouch and CaptionMaker disks. CCETEST requires you type in two values: DEVADDR [first value] and DEVIRQ [second value]. Video from the playback deck must be running through the encoder when you perform this test. Type,

CCETEST 300 5

The values 300 and 5 are the default values preset on the card. This test encodes a few captions into the video signal. If your hardware is properly connected, you should see captions. If you do not see captions, you need to turn the computer off, take the card out and change the address and the IRQ on the card and run the CCETEST software with the new address and IRQ until you see captions on the video screen.

Change the IRQ by changing jumper on the card. It is a good practice to change only the IRQ first keeping the address same. Try out with IRQ from the highest value 15 and go down. You may check the availability of IRQs on the computer.

If the address 300 is used by another device, such as a network or multimedia device, you may need to change the address from 300 to another address listed above. Change the address value by changing the positions of the dip switches.

I/O Address Range	Switches (N = ON F = OFF)			
	1	2	3	4
200-21F	N	N	N	F
240--25F	F	N	N	F
280-29F	N	F	N	F
2C0-2DF	F	F	N	F
300-31F	N	N	F	F
340 - 35F	F	N	F	F
380 - 39F	N	F	F	F
3C0 - 3DF	F	F	F	F

Possible addresses and their corresponding Dip Switch settings

After you find the proper address and IRQ, you do not need the software CCETEST anymore. But you have to run the software SMARTCCE.EXE after you turn the computer on. This software SMARTCCE is a memory resident software which tells the computer that the SoftTouch card will receive caption information through the above address and IRQ.

Running SMARTCCE Program

There are two other vital information is provided by the SMARTCCE software. They are the serial port and the baud rate used to communicate to the card from the second computer. All these information are stored in a text file called SMART.CFG

Edit the file SMART.CFG to reflect those values of address and IQR. Here is an example of a typical SMART.CFG file.

Variable	Setting	Expalanation
INPORT	1	Serial Port 1 though 4
INBAUD	1200	Baud rate used in the CaptionMaker software
DEVADDR	300	Address on the card
DEVIRQ	5	IRQ on the card
F1_ENABLE	1	Field 1 enabled
F2_ENABLE	0	Field 2 disabled