
PRV-9000 - Recording Closed Captioning

OVERVIEW:

Closed captioning is an assistive technology designed to provide access to television for persons who are deaf and hard of hearing. It is similar to subtitles in that it displays the audio portion of a television signal as printed words on the television screen. Unlike subtitles, however, closed captioning is hidden as encoded data transmitted within the television signal, and provides information about background noise and sound effects. A viewer wishing to see closed captions must use a set-top decoder or a television with built-in decoder circuitry. Since July 1993, all television sets with screens thirteen inches or larger have had built-in decoder circuitry.

Federal Communications Commission, June 1999

Previously recorded NTSC video that contains Closed Caption (CC) data in Line 21 can be directly recorded onto a DVD-R or DVD-RW disc with the PRV-9000. The Closed Caption data is maintained by the PRV-9000 during the real-time MPEG encoding and video recording. Closed captioning data on DVD is carried on the MPEG-2 video stream and sent directly to your video display monitor. A television or video monitor with the proper circuitry decodes the Closed Caption data and appropriately displays it as the video is played. Closed Caption data cannot be turned ON/OFF from your DVD player; this is a function of the television or video display monitor.

The PRV-9000 can record Closed Caption data in both DVD-Video and VR (Video Recording) recording formats and in all video bit rate settings.

CLOSED CAPTION RECORDING:

Closed Caption data must reside on your analog source video in Line 21 in order for the PRV-9000 to record it. To record CC data, connect your source machine to the video inputs on the recorder. The inputs used must be composite (BNC and/or RCA) or Y/C (S-Video). Begin the record session like any other; there are no special procedures to follow if the analog source already contains CC data.

To view the CC data on the recorded DVD, it can be played in the PRV-9000 or other DVD-Video player. Connect the DVD-Video playback device to a video monitor that supports a CC data decoder. The DVD playback device must be connected to the monitor via the composite, Y/C or component output connectors.

NOTE: CC data can only be recorded from your source video using composite or Y/C (S-Video). The specification for CC data for IEEE-1394 DV source is different than on analog source and does not reside on Line 21. Therefore, CC data will not be recorded if the IEEE-1394 DV output on the source machine and the IEEE-1394 DV input on the PRV-9000 are used.

ADDITIONAL INFORMATION:

Information on video/audio connections and recording is provided in the PRV-9000 Operating Instructions.

For more information on Closed Caption for analog video, please refer to the following websites:

<http://www.fcc.gov/cib/dro/ccrules.html>

<http://www.dvddemystified.com/>

<http://www.ccaption.com>

For additional assistance please contact your Pioneer representative (product support/technical: (CA @ 310-952-2000 and NJ @ 201-327-6400 or refer to the Pioneer Electronics website:

www.pioneerelectronics.com