



TECH NOTE
Super Edit™ Version 7.1D and later

Videotek SDC-101 Color Corrector

Introduction

This document describes the interface between Super Edit and the Videotek SDC-101 Serial Digital Color Corrector.

Detailed operations instructions for Super Edit are given in the Super Edit Operator's Guide. The Videotek Instruction and Service Manual provides excellent information for the color corrector. This Setup Guide discusses only those features which are unique to the Super Edit/SDC-101 interface.

The following are discussed in the order given:

- Hardware/Software Requirements
- Connection
- PMEM™ Recall from SDC-101 Memory/PEGS Immediate
- STORE/RECALL PMEM from the EDL

Hardware/Software Requirements

The Videotek SDC-101 must have the Editor Interface installed and must have version SDC244 or later software installed. Note the Videotek Security Key must remain connected to the PC port.

Other peripheral devices may not be used at the same time that the SDC-101 is connected.

Connection

- a. Connect an RS422 cable from the Peripheral port on the editor to the EDIT port on the SDC-101 (Do not connect to the Security Key).

b. In the SDC-101 set up the Editor port as follows:
Select “Communications” from the menu, then set the Editor communications parameters as follows:

(1) Parity = ODD

(2) Interface Mode = Native or Sony Emulation. Refer to the Videotek Instruction and Service manual “Editor Interface Option” for a description of the two modes. Super Edit automatically supports either. No change in Super Edit is required.

Note: The baud rate is fixed at 38,400 baud with 8 data bits and 1 stop bit.

c. In Super Edit, select the VTR Assignment page and verify that the default settings for the Peripheral port are set as follows:

PERIF COLCOR PORT 00 38.4 ODD (Port may be different on your editor)

PMEM™ Recall from SDC-101 Memory / PEGS Immediate

The PMEM Recall function with the SDC-101 recalls the selected color corrector data. Super Edit accesses registers “0” through “50”. To set up the Recall function first select PEGS entry by pressing the [PEGS] key. Answer the prompts as follows:

REGISTER # ? Enter any PEGS register 1 through 16, then press [ENTER].

FUNCTION= ? Press [P], then press [ENTER].

COMMAND= ? Enter the Effects Register (0 through 50 as described above), then press [ENTER].

TIME= Enter the offset from the RECORD IN point, then press [ENTER].

When an edit or preview is performed the color corrector data from the selected register is automatically recalled as the current setting on the SDC-101.

To Immediately recall the data from PEGS entry select the PEGS register number and press [I] or [VVV]. The data from the specified color corrector register is immediately recalled as the current setting on the SDC-101.

STORE/RECALL PMEM from the EDL

This interface allows Super Edit to store the selected color corrector data in the EDL when an event is put into the EDL. Subsequently recalling that event from the EDL to the Mark Table automatically transfers the data from the editor back into the specified SDC-101 register.

Before the data can be stored in the EDL it must first be saved into that register at the SDC-101.

The operation is the same as described in the Super Edit operations manual for INIT 22 - STORE EMEM and INIT 23 - AUTO-EMEM.

***Example:** Saving and restoring color corrector data to/from EDL using SDC-101 Register 7 (any free register may be used).*

Saving color corrector Data to EDL

1. In Super Edit, select INIT 23 and turn AUTO-EMEM ON.
2. Set up the SDC-101 as desired.
3. Save the setup in SDC-101 Register 7.
4. In Super Edit, Select [PEGS] and enter the PMEM PEG as follows:

REGISTER #? 1 (any free register will do)
FUNCTION=? P
COMMAND= ? 7 (this is the number of the SDC-101 Register)
TIME= 0 (a negative time not to exceed the pre-roll time may also be used)

The PEGS register will now show:

01 P 007 00:00:00

5. The status line of the Super Edit display should show that “PEGS” and “AUTO-EMEM” are enabled.
6. Perform the edit.

The SDC-101 data is automatically stored in the EDL and the EDL indicates “PMEM 007”.

Recalling color corrector Data to the SDC-101

1. In Super Edit, use the UP and DOWN arrows to select the EDL event that has PMEM 007.
2. Press [RECAL] to recall that event into the Mark Table.

The SDC-101 setup is automatically recalled from Super Edit to the SDC-101 Register number 7.