

SE - 800

4 DV Input Digital Video Switcher/Mixer

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○ Also shown is the TLM 404 TFT/LCD 4 Monitor display and custom holder for SE - 800.

MIX 4 DV

Producers can now shoot, mix and edit their video all within the DV 25 format while controlling the SE-800's dissolve, chroma key and more than 50 built in effects with its full size keypad and control panel. This mixer accepts 4 DV inputs.

Video Input

Each of the four inputs can accept:
DV (DV-25), Component (Y.U.V.),
S-Video S(Y/C), or Composite Video
SE-800AV does not accept DV

Video Output

DV (DV-25), Component (Y.U.V.),
S-Video S(Y/C), Composite and SDI
SE-800AV does not output DV or SDI

Audio Inputs

4 Stereo pairs - Unbalanced audio

Audio Outputs

2 main and 1 earphone with volume control

Color Processor

Includes R.G.B. correction for white balance
Stores last setup for each video input

Four Channel Stereo Mixer

Unbalanced in/out
Use BAC-03 accessory for balanced audio

Voice Synch Feature

Advance or delay the audio to match the video

50+ Digital Effects Includes

A/B Roll, A/B Dissolve, Chroma Key, Mosaic,
PiP, Strobe, Fade, Wipe and, etc.

30 Programmable Playback Keys

Store and save your transitions (wipe, fade,
zoom, and many more effects with parameters).
Playback instantly by pressing a single key

Dual Channel TBC

Time Base Corrector

4:2:2 Full Frame Synchronizers

3.5 MHz for Component (Y.U.V.),
S-Video S(Y/C), Composite inputs and outputs

SDI Port

Use with SDI output Character Generator

Typical Applications

Web casting live meetings, worship services,
training seminars, small production vans,
traveling studios, etc.
DVD production from live seminars
Schools and corporate video training facilities

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Inputs

Four each: DV, S-Video, Composite, Component.

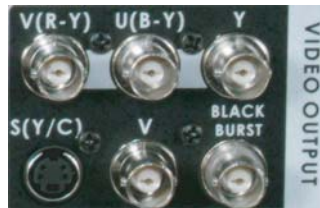
SE-800AV does not accept DV



Outputs

One each, all live: DV, SDI, Component, Composite, Black Burst.

SE-800AV does not output DV or SDI



Monitor Outputs

Each video input module has a composite video output for monitoring.



Joystick

Controls "white balance" or Picture in Picture. All settings saved at power off.



Voice Sync

Slew the voice relative to the image. Advance or delay the audio to match the video.



SDI Input

SDI input for character generator.

SE-800AV does not have this feature

**SDI
Graphics Layer**

Color Processor

White balance for each input. Last settings saved at power up.



Audio Mixer

4 channel audio mixer (unbalanced). Use BAC - 03 for balanced audio sources.



RS232 Control

RS232 control connects to the RMC-90 remote or to the "tally box".



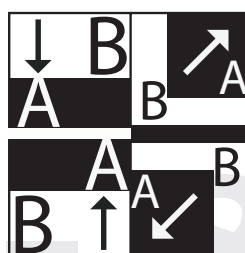
GPI Input

GPI Trigger controls preprogrammed effects from F01 to F30 in sequence.



Effects

50+ Digital effects.



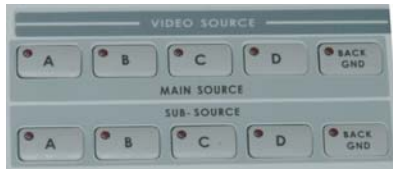
Genlock

Dual Channel Time Base Corrector and 4:2:2 frame synch built in.

**NO
GENLOCK
REQUIRED**

Cuts between Sources

By pressing these keys you can cut between sources.



F Keys & Take Key

30 preprogrammed functions that you may access by pressing a single key.



Carrying Case



ACCESSORIES



LCD DISPLAY AND HOLDER
The 4 LCD display and holder are available at a package price. Ask for part number TML-404JF.



VP - 332
BI-DIRECTIONAL DV REPEATER
This repeater includes an AC power supply or it may take power from the DV cables.



LONG DV CABLES
The longest is 20 meters and you can join them with DV Repeaters to make an even longer cable run.



VP - 314
BI-DIRECTIONAL DV REPEATER
This repeater requires power from the DV cables.



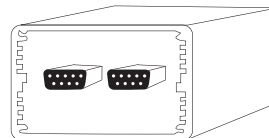
RMC - 90
Optional remote control for the SE - 800



DV BANK
1394/DV VTR with a Built-In Hard Drive.

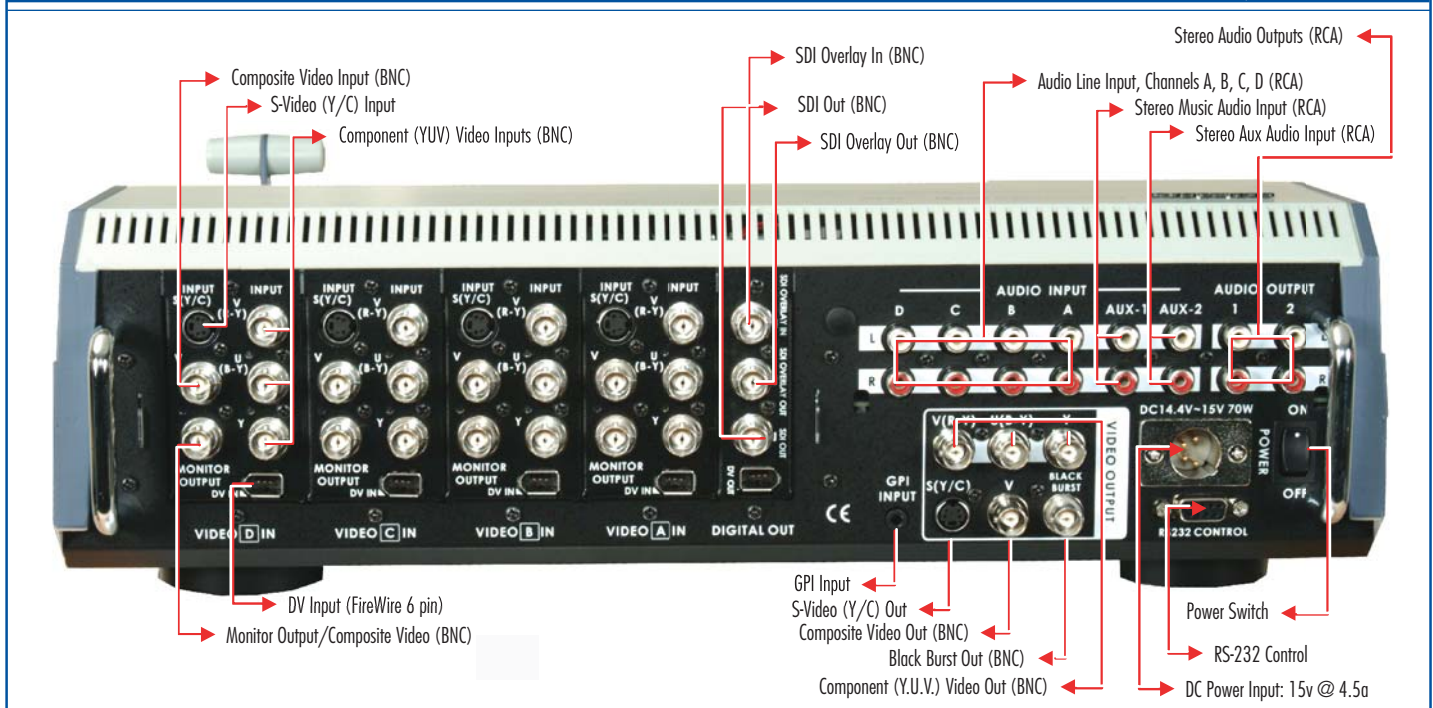


BAC - 03
Use this box to input/output balanced audio. It's also a good addition to any video tech's tool box. (FRONT and REAR views shown)



NEXT / TALLY BOX
This accessory will allow you to preview the "next" source (requires monitor). It can also power relays or LED'S so you can use or make your own tally lights.

SE - 800



Two Models

SE-800DV Digital and Analog I/O

SE-800AV Analog I/O

(Composite, S-Video, Y.U.V. Component)

Digital Video Inputs

DV (DV25)

SDI

Analog Video Inputs

Component (Y.U.V.)

S-Video (Y.U.V.)

Composite

Digital Video Outputs

DV (DV25)

SDI (SMPTE 259 M-C 270 Mbps)

Analog Video Outputs

Component (Y.U.V.)

S-Video

Composite

Video Formats

Analog Y/C and Composite at CCIR601
NTSC and PAL Analog Y.U.V. Video at a
Sony Betacam standard DV interface by
DV25 format.

Y.U.V. 4:1:1 NTSC 25 Mbps bit rate

Y.U.V. 4:2:0 PAL 25 Mbps bit rate

(NTSC and PAL are separate models)

Color Processing

Brightness +/- 20%

Contrast +/- 3 dB

Color +/- 10 dB

Video Bandwidth

Component (Y.U.V.) > 5.0 MHz

S-Video S(Y/C) > 5.0 MHz

Composite > 5.0 MHz

Audio 20 to 20 KHz +/- 3 dB

Signal/Noise Ratio

Video > 55 dB

Audio > 65 dB

DG, DP +/- 3%, 3 degree

Audio THK < 1%

Digital Y.U.V. Interface

SDI (SMPTE 259 M-C 270 Mbps)

R.G.B. White Balance +/- 10 Degree

GPI Control

Remote trigger controls preprogram

Effects from F01 to F30 in sequence

Power

Input: AC 90V to 240V auto-sensing

Output: DC 15V/50W

Dimensions/Weight

SE-800

17" x 16.8" x 4.72"

430 mm x 420 mm x 120 mm

14 lbs/6.4 kg

SE-800 with TLM 404 and Holder

17" x 18" x 9"

430 mm x 457 mm x 229 mm

21 lbs/6.4 kg

Options

DV Bank: DN-100

DV Repeater: VP-332

In Line DV Repeater: VP-314

4 LCD Monitor: TLM-404

SE-800 Monitor Holder

10 Meter DV Cable: CA1065

20 Meter DV Cable: CA2066

RMC-90 Remote Control

Tally Light Control

Accessories (Included)

AC/DC Power Adapter

Power Cord (1)

Carrying Case

GPI Cable

1.8 m IEEE/1394 DV 6-4 Cable (1)

1.8 m IEEE/1394 DV 6-6 Cable (1)

30 cm IEEE/1394 DV 4-6 Cable Adapter (4)

1.2 m S-Video S(Y/C) Cable (2)

Plastic Pouch (for Cables)

Instruction Manual

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