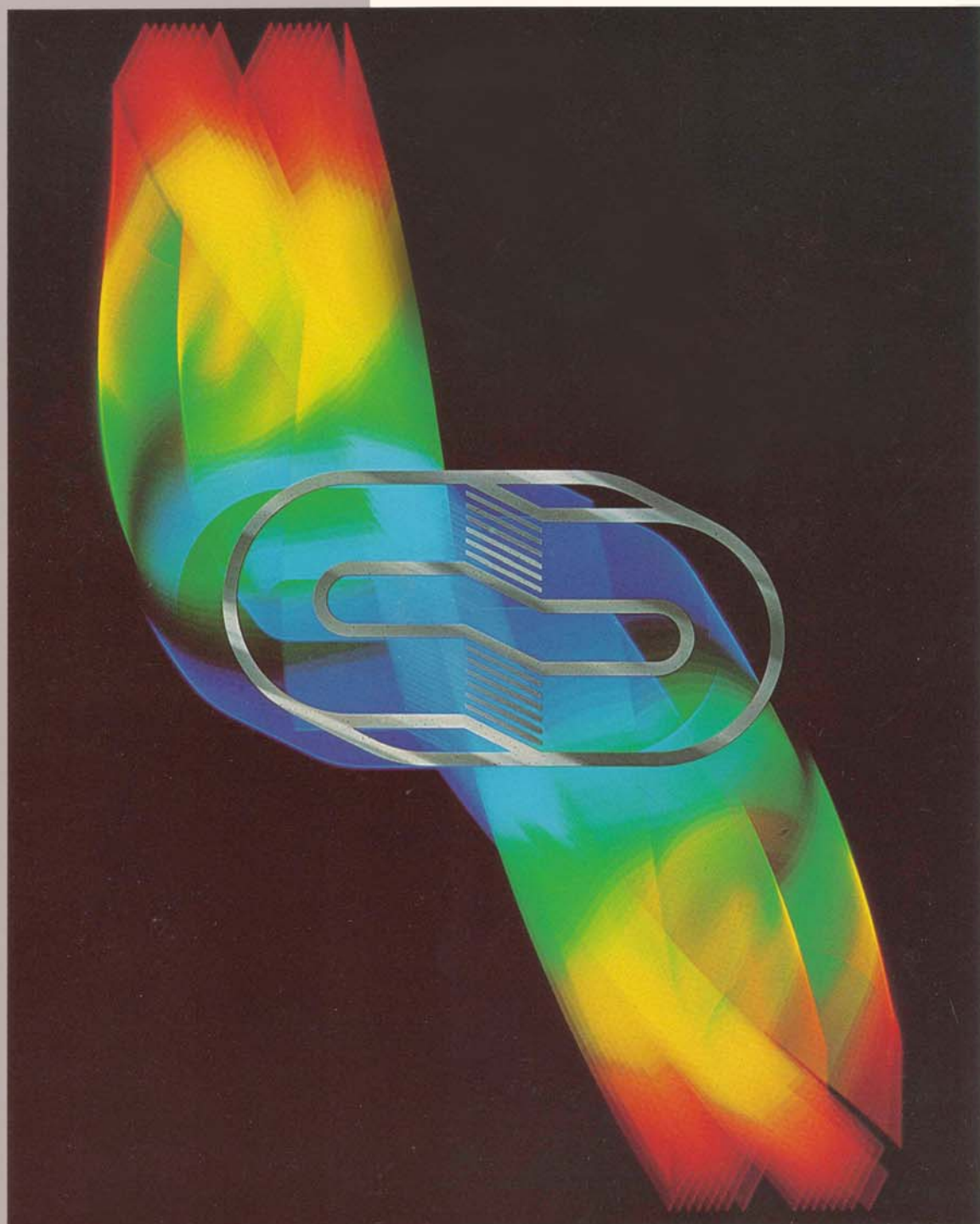


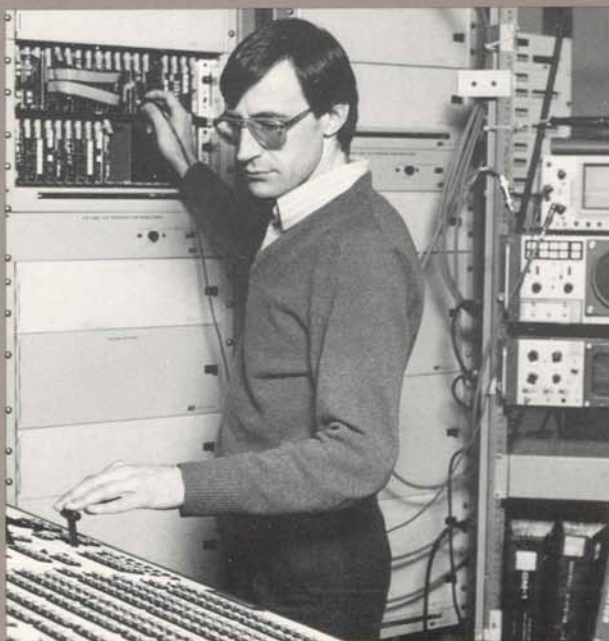


CENTRAL DYNAMICS



SHORT FORM CATALOGUE

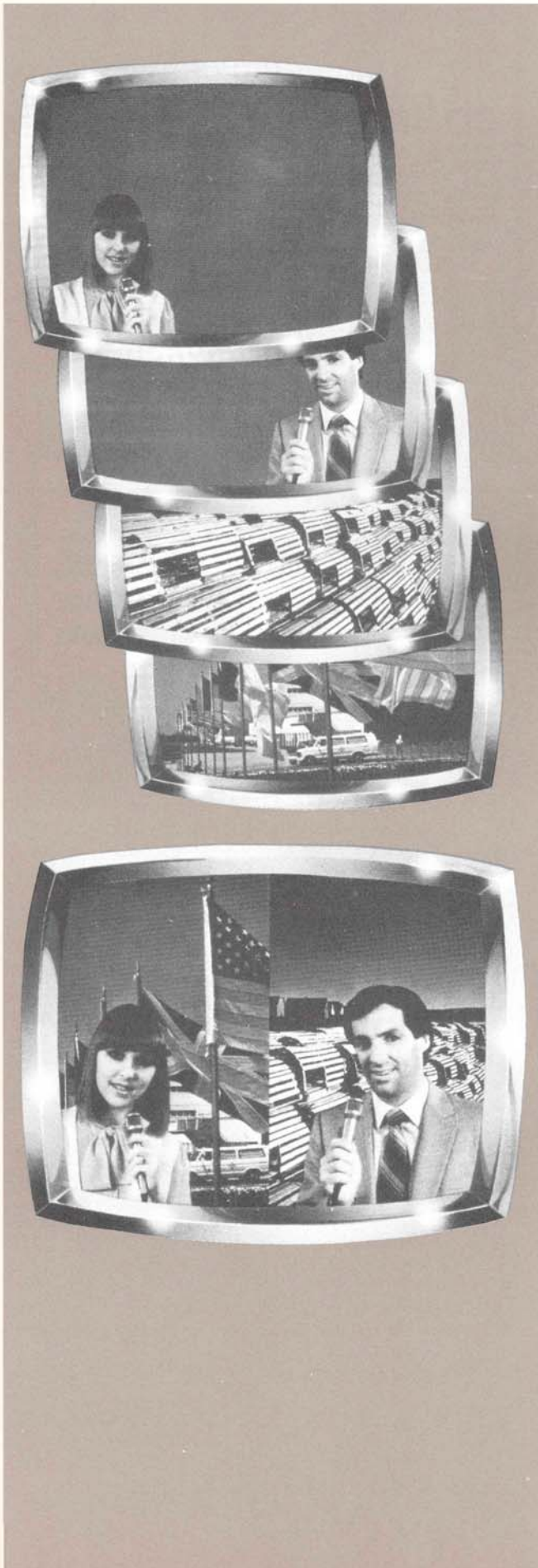
To Dare/To Lead



Switching and Distribution

- **System Level Products (SLP)**
 - Production Switchers
 - Master Control Switchers
 - Routing Switchers
- **Component Level Products (CLP)**
 - Small Switching Products
Production and Routing
 - Distribution and Terminal Products
- **Service and Support**

Series 80 Video Production Switchers



Features

- Unique sequential effects (SFX) processing
- Greater flexibility plus simpler operation
- Modular construction
- Full range of options
- High performance, high stability
- Available for PAL, PAL-M, NTSC.

The Central Dynamics Series 80 range represents a great advance in the field of video production switchers. Based on the new SFX (Sequential Effects) group, the range offers unprecedented flexibility and ease of operation.

The Series 80 and its SFX group were made possible by the development of radically new systems of processing and control, resulting from a complete reappraisal of the uses of video switchers and the needs of operators in the light of present day production techniques.

Conventional video switchers suffer from severe limitations when used in complex production sequences and frequently the whole sequence must be planned in advance to ascertain the correct point of entry into the sequence. Even with the pre-planning, some simple sequences are impossible on conventional switchers, because a 'lock-out' situation is reached. A single SFX group can perform sequences impossible on even a triple Mix/Effects conventional switcher. Pre-planning is generally unnecessary, and 'lock-outs' are impossible.

Several models of the Series 80 are offered, but modular construction of both electronics and control panels permits a high degree of flexibility in the choice of each system. This arrangement also enables plug-in installation by customers of additional facilities as required.

The Series 80 employs the latest techniques of circuitry and construction to ensure the highest standards of performance, stability and reliability. Each unit of the electronics is internally timed, so there are no heavy and bulky delay cables — a particular asset for mobile van installations.

Configurations

Although each Series 80 model can be configured to exact needs from a list of over 120 items, substantial cost savings can be had by ordering fully operational packages. These packages can be further enhanced by adding other options at time of order. Some options are also available for future installations.

Routing Switchers



SDS-2

The perfect blend of hardware and software for versatile, flexible and truly expandable signal routing.

Features:

- Classical design . . . one crosspoint for every path
- Highest density crosspoint array.
 - 2048 crosspoints in only 8 RUs.
 - 96x96 video plus audio with redundant power supplies in only 72 RUs.
- Field expandable from 32x32 up to 512x512.
- Reliable Hybrid circuits for video crosspoints.
- Audio processing fully balanced.
- MicroPatch™ software includes Breakaway, Status Display, I/O Locks, Real Time Salvos . . . standard with the SDS-2.
- Control . . . varied and flexible for easy expansion and system reconfiguration.
- The most competitive cost per crosspoint.



900 Series

The American Data 900 Routing switchers are now manufactured in our Montreal plant.

- Vertical interval switching
- Audio-follow-video (with tally)
- Only two different modules used in the system
- Complete module interchangeability
- Less than 1-degree path length variation any input to any output to any size
- LED crosspoint status display
- Fully expandable to 100x100
- Computer compatible

Distribution DA's



2300 Series

Seven DA's to handle any requirement.

- VA2310 Variable Gain Amplifier
 - VA2310-1 Equalizing Amplifier (field converted VA2310)
 - VA2311 Equalizing Amplifier
 - VA2312 Clamping Amplifier
 - VA2315 Linear Pulse Amplifier
 - VA2315-1 & 2 Regenerative Pulse Amplifiers
- All have six outputs

The VA2300 series offers a range of Video and Pulse Distribution Amplifiers for various applications in the broadcast and professional television industries. All amplifiers have an exceptionally high standard of performance and provide a very high ratio of outputs to rack space . . . up to 84 outputs in 3RU's.

All amplifiers are powered from a central power supply, with full protection against a failure of one amplifier affecting any other. Power supplies may be duplicated to provide 'no break' protection in the event of failure of one power supply unit or its AC supply.

Power consumption is very low (typically 2 watts per amplifier) allowing high density in equipment racks.



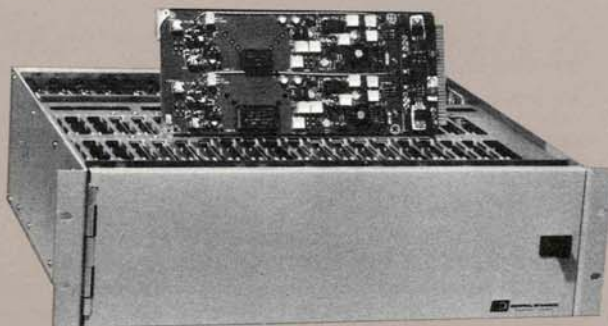
800 Series

Eight DA's to handle any requirement

- 805 Variable Gain Amplifier
- 806 Linear Pulse Amplifier
- 807 Pulse Delay Amplifier
- 808 Video Delay Amplifier
- 809 Subcarrier Amplifier
- 810 Diff. Input Changing Amplifier
- 821 Audio Amplifier
- 823 Equalizing Amplifier

The American Data 800 Series, now manufactured in our Montreal plant, provides a complete line of reliable and efficient amplifiers for distribution of audio, video, and pulse signals. System integration and expansion are made easier by this modular approach to the continually demanding needs of the broadcast industry.

All DA's are self powered and have six outputs.

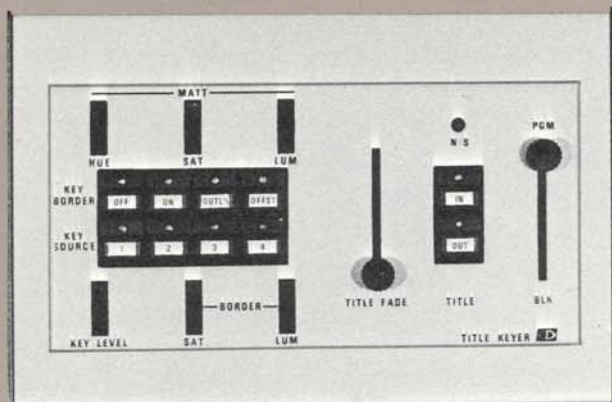


4800 Series

- Super high density for routing switchers or as active replacement for bulky coax cable delays.
- 32, 2 output DA in 3 RU's
- Delay up to 700 nanoseconds
- Equalizing to 200' of 8281

2000 Series Video and Pulse DA are still available on special order. These are the 2034, 2035, 2051, of which several thousands are currently in use.

Downstream Keyers



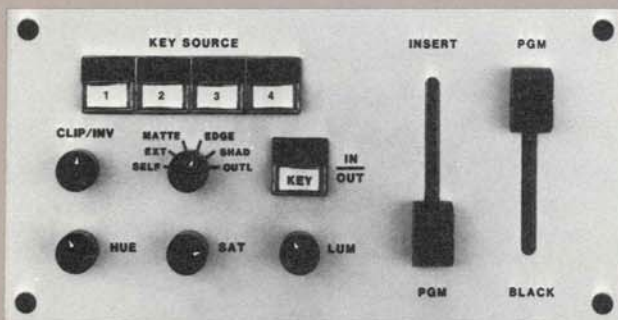
DSK 2160

The DK-2160 Downstream Keyer is a spin-off from the Central Dynamics Series 80 production switcher. It is a premium quality stand alone unit that will add color bordered titles (keys) to any composite video signal.

- 4 input key selector with separate key and fill inputs.

Features

- Titles non-sync program material by deriving a sync output from the program signal and using this to synchronize the title source.
- Titles can be Dissolved or Cut In and Out
- Built in Color Matte Generator with Hue, Saturation and Luminance controls. Generator locks to incoming Program burst.
- Program fade dissolves sync or non-sync, color or monochrome program signals to black.
- Built in Color Black generator.
- Any key can be bordered with Full, Offset or Outline only Color Borders. One or 2 line border widths can be selected.



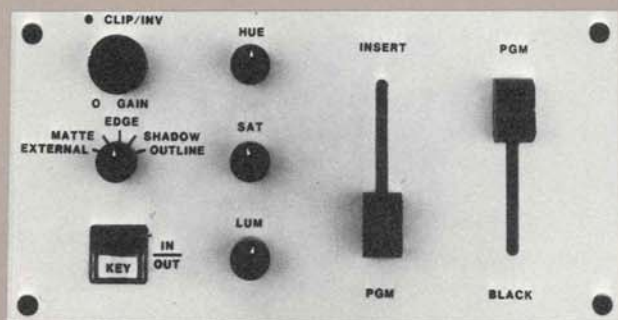
DSK 864

The 864 model is a new, stand-alone, Downstream Keyer that provides title keying for production applications.

- 4 input key selector

864 Standard Features

- 4 key source inputs
- Non-Sync indication and inhibit
- Self key (cut and fill with same video)
- Program Gen Lock
- Mix or Cut to key
- External Fill input
- Matte Fill input
- Master Fade-to-Black
- Digital Matte Generator (Patent Pending)
- Key Invert
- Optional Key Border



DSK 860

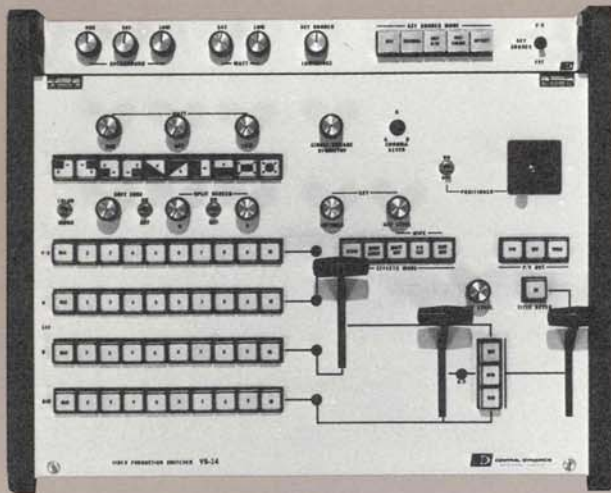
The 860 model is a new, stand-alone, Downstream Keyer that provides title keying for production applications.

- Single input

860 Standard Features

- Mix or Cut to key
- External Fill input
- Matte Fill input
- Master Fade-to-Black
- Variable key gain
- Key Invert
- Digital Matte Generator (Patent Pending)
- Low cost
- Optional Key Border

Small Switchers



Four models are available:

VS-14: A self-contained unit with a separate rack mounted power supply.

VS-14R: A remote control panel with rack mounted electronics and power supply.

NEW

VS-14S: Same as VS-14 plus it features a Color Key Border Generator module with integral control panel and electronics that include the 2nd Matte & Background Generator.

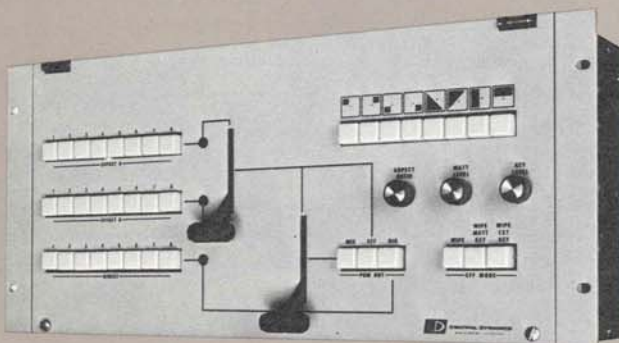
VS-14RS: Same as the VS-14S, but has a remote control panel with rack mounted electronics and power supply.

VS-14

The VS-14 switcher provides broadcast quality and big switcher capability in a small compact cost effective package. The sophisticated effects and extensive facilities of the VS-14 make it ideally suited for studio, mobile and post-production applications.

Features

- Self-contained or Remote Controlled, Rack or Desk mounted models available.
- 10 loop-through video inputs, composite or non-composite.
- 4 Buses: Effects A and B, Direct and P/V, all with illuminated pushbuttons with film inserts.
- Effects Amplifier.
- Mix Amplifier.
- Downstream Keyer — cuts or dissolves Key signal into output of Direct bus, Mix or Effects Amplifier.
- Self-contained Color Black and Matte Generator.
- Joystick Positioner.
- Effects Amplifier has the following facilities:
 - Wipes to Matte Key, P/V Key or Chroma Key (with optional RGB Chroma Key generator).
 - 10 preselectable wipe patterns.
 - Spotlight effect (adjustable size, position and focus).
 - Circle Symmetry control stretches circle horizontally or vertically to an ellipse.

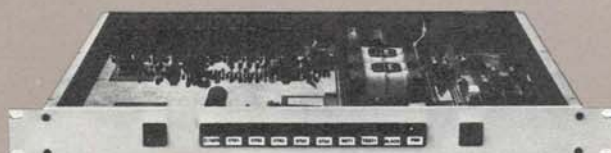


VS-10

The VS-10 is designed with ample sophistication and true broadcast quality to meet professional programming requirements. The ease of operation, cost, compactness, and reliability makes the VS-10 a practical answer for a variety of production requirements . . . from training programs to Electronic News Gathering.

Features

- Vertical interval switching
- Compact self-contained solid state design
- 8 loop-through video inputs, composite or non-composite, color or monochrome
- 3 buses: Effects A, Effects B and Direct
- Integral Special Effects Generator
- 8 wipe patterns and aspect ratio control
- Matte Key
- Chroma Keying



VAS-1010

The VAS-1010 is a self-powered, modular utility switcher that features an advanced design video crosspoint and processing all audio differentially. The switcher is available in the following 10 x 1 configurations:

- Video Only
- Audio Follow Video
- Audio Only
- Audio/Video Breakaway
- Any of the 4 configurations may be remotely controlled.
- These modular switchers may be stacked 10 high to build a 10 x 10 routing switcher system.

Other Broadcast Products

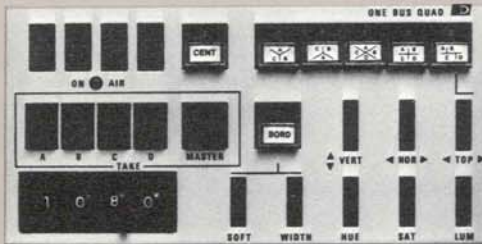


AFM-10

CDL's AFM-10 makes the audio half of your program easier and better than ever before. It combines an audio Mixer, a Switcher and a Compressor/Limiter in one small flexible package and brings true broadcast quality to the small mixer field.

Features

- Unique MODE control converts unit from Mixer to Switcher to combined Mixer/Switcher.
- 7 inputs with switchable microphone/line sensitivity.
- Independent line outputs: Master and Auxiliary.
- Separate self-contained 1KHz Test Oscillator with front panel ON/OFF switch.
- Headphone output drives stereo or mono, high or low Z phones.
- VU meter, with correct ballistics, can be set for 0 to +8 dBm output levels.
- Line input sensitivity internally adjustable to accept normal input levels from -20 dBm to +8 dBm.
- Bridging or matching balanced inputs.
- XLR (Cannon) type input connectors.
- Binding post outputs for maximum flexibility.
- LED indicators to show Follow switch and Compressor/Limiter operation.

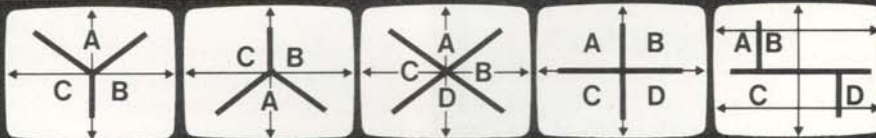


VQ 2170

The One Bus Quad Model 2170 provides quadplexer effects for small switchers including CDL's CD-480, VS-10 and VS-14 and can be used with almost any production switcher. There are 5 selectable patterns which produce a composite picture derived from either 3 or 4 selected sources from 10 available video input signals.

The 5 patterns include 2 rectangular quad splits, 1 diagonal quad split, and 2 "Y" splits.

Patterns can be positioned horizontally and vertically, and edges may be soft bordered and colored.



VG 2210

The VG-2210 Digital Sync Decoder is used in pulse distribution systems to locally regenerate H & V Drive, composite Sync and Blanking, Subcarrier, Burst Flag, and PAL square wave signals from a single reference signal.

Features

- Extremely low subcarrier jitter and high stability of pulses.
- Separate subcarrier and sync phase lock loops preserve the subcarrier to horizontal sync phase relation between input and output.
- Standard Color Black or composite video is used as the reference waveform.
- System timing may be accomplished without destroying color frame relationship.
- Pulses may be advanced or retarded with respect to the input reference.
- Thumbwheel control provides precise timing adjustment which is identically repeatable with all units.
- Decoder timing may be remotely controlled.
- In the sync generator mode, the color frame standard is always maintained.

Commitment to the Customer



- Central Dynamics' innovative products are justly renowned throughout the world for their exceptional quality and high standards of performance.
- We worked hard to establish our good reputation and we work hard to maintain it.
- We realize that our products, innovative, expertly crafted and reliable though they are, cannot attain their full potential if they are improperly installed, used or serviced.
- We all know that in today's complex communications world with its high tech wizardry, things can go wrong. And there is no lonelier feeling than to have an equipment failure, or some fault in the system, with no one to turn to for help.
- At Central Dynamics we have made a commitment: service to the customer is paramount. If you have Central Dynamics' equipment, you can count on Central Dynamics' service.

YOU HAVE OUR WORD ON IT.



CENTRAL DYNAMICS



The Series 80 Möbius Loop logo
symbolizes the recirculating effects
capability of the Series 80 SFX Amplifier