

# CVG-10A

## Video Audio Distributor

The **CVG-10A** is a full bandwidth, state-of-the art Video/Stereo-Audio Distribution Amplifier designed for studio and other demanding applications. The **CVG-10A** splits a single input source into ten identical outputs with no discernible signal degradation. Hundreds of copies of video tapes can be made at the same time using several **CVG-10A** units chained through the looping inputs. The video signals may be AC or DC coupled. Audio outputs are individually buffered and isolated from each other, allowing Hi-Fi audio distribution.

### Operation

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- Connect a composite video source and an Audio stereo source to the video and audio inputs of the CVG-10A unit.
- Connect up to ten Video/Audio-stereo acceptors to the output sockets.
- If looping is needed, connect a second unit to the LOOP sockets, release the termination switch on the first unit into the Hi-Z position and the next unit push into 75

Ohms position. If more machines are connected, release the termination switch in all units but the last into the Hi-Z position.

- Operate source, acceptors and the **CVG-10A** unit.
- AC/DC coupling is internally selected (jumper) close to the inputs. The default mode is DC.

### Uses

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The **CVG-10A** unit can be used in the following applications:

- Studio use for distributing Video and Audio-stereo signals.
- Shops and showrooms for distributing one source to several areas.
- Security and other CCTV applications.
- Hospitals, Schools and apartment houses for video signal distribution.

### Application Hints

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- You may use the looping capability of the **CVG-10A** unit to increase the number of outputs, up to 1000.
- Use one of the CVG enhancers - (CVG-SV40, CVG-11E4) in front of the **CVG-10A** unit, for signal correction and enhancement.
- Use several **CVG-10A** machines in parallel operation mode for component video distribution.

## Technical Specifications:

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<b>INPUTS:</b>	1 Video looping, 1Vpp/75 $\Omega$ on BNC type connectors with termination switch. 1 Audio-stereo 50 K $\Omega$ , looping on RCAs.
<b>OUTPUTS:</b>	10 Composite Video 1 Vpp/75 $\Omega$ on BNC type connectors. 10 Audio-stereo 100 $\Omega$ , 1V nom. on RCAs.
<b>VIDEO BANDWIDTH:</b>	Exceeding 60 MHz.
<b>AUDIO BANDWIDTH:</b>	20-20000 Hz -1dB.
<b>NON LINEARITY:</b>	Less than 0.3dB.
<b>COUPLING:</b>	AC/DC (internal).
<b>MAX. VIDEO OUTPUT:</b>	2.5Vpp/75 $\Omega$ .
<b>VIDEO S/N RATIO:</b>	Better than 68 dB.
<b>AUDIO S/N RATIO:</b>	Better than 78 dB.
<b>DIMENSIONS:</b>	5cm X 24.5cm X 16cm(H,W,D.)
<b>POWER SOURCE:</b>	115VAC, 60 Hz.

*Please note that if the output signal is disturbed or interrupted by very strong external electromagnetic interference, it should return and stabilize when such interference ends. If not, turn the power switch off and on again to reset the machine.*

*The socket-outlet shall be installed near the equipment and shall be easily accessible.*

*To fully disconnect equipment, remove power cord from its socket.*

# CVG-10A

## INSTRUCTION MANUAL