

## **Masterkey 7 - Operating Features**

All signal inputs and outputs are 270 Mb/s component serial digital. Clock reference is from the PROGRAM input. If no signal is applied to the KEY input, the key signal will automatically be derived from the FILL input. If no FILL signal is present, the display will indicate NO FILL PRESENT.

The MASTERKEY 7 may be ordered with a 1RU control panel or desktop remote. The 1RU control panel may be mounted to the front of the keyer chassis or remoted up to 200 feet away. A remote kit consisting of a steel housing, blank front panel and 25 ft. control cable with connectors, is included. A desktop remote panel may be substituted. Control is via RS-485. If the optional 4 input key/fill switcher is used, a 3-conductor cable is required between the switcher chassis and the control panel. The control panel contains the necessary hardware and software to operate the 4 input switcher, whether or not the switcher is installed. As the optional 4 input key/fill switcher is housed in a separate, self powered, 1 RU chassis, this option may be added at any time.

The MASTERKEY 7 is equipped with a unique memory system. All control panel settings pertaining to key adjustments, frame rates of mixes, wipes and fades, key area mask and adjustable graticule may be stored in non-volatile memory. If the optional 4 input key/fill switcher is included, the memory may be stored for each input and automatically be recalled upon input selection.

Safe area graticules may be selected to appear in the PREVIEW output. They are switchable between 4:3, 16:9, or variable from the control panel.

The control panel LCD status display, which has adjustable contrast plus back lighting, supplies all the necessary information for each mode and all adjustments.

Upon power-up the MASTERKEY 7 will automatically correct PROGRAM, KEY and FILL signal timing for up to +/- one-half line variances. After initialization, the MASTERKEY 7 will detect any change in timing of the program, key or fill signal, and automatically re-time itself without operator intervention. If the timing of the input signals is beyond the range of the auto timing, the display will read either KEY/FILL EARLY or KEY/FILL LATE.

GPI's are provided for mix to key, A/B mix and fade to black. They may be connected for momentary, or latching operation.

A serial port, selectable between RS-232, RS-422 and RS-485 is available for automation control. The control panel may still remain connected if it is necessary to override the automation system.