

## Masterkey 6 Operating Features

All signal inputs and outputs are 270 Mb/s component serial digital. Clock reference is obtained from the PROGRAM input. If no signal is applied to the KEY input, the key signal will automatically be derived from the FILL input and the display will read SELF KEY. If no FILL signal is present, the display will indicate FILL NOT PRESENT and the KEY and MIX functions will automatically be disabled.

The MASTERKEY 6 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 25ft. control cable with connectors, is included. Control is via RS-485. An 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 6 is equipped with a unique memory system. All control panel settings pertaining to key adjustments and frame rates of mixes, may be stored in non-volatile memory.

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 6 will automatically correct PROGRAM, KEY and FILL signal timing for up to +/- one-half line. After initialization, the MASTERKEY 6 will detect any change in timing of the program, key or fill signal, and automatically re-time itself to the nearest HSAV (horizontal start of active video). If the input timing error exceeds +/- one-half line, the key and fill will be displaced vertically by the number of lines of mistiming, but the keyer will operate normally. To correct this condition, it is necessary to re-time the key/fill input signals at their source to within +/- one-half line, so they may fall within the auto correction window.

GPI's are provided for mix to key and A/B mix. 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.