

A JK Flipflop is the seefinement of RS flipflop in that the intermediate (or indeterminate) state of the R8 Flipflop is defined in the J-K FlipFlop. in the J-K FlipFlop.

Input I is for Set 12 is for Reset

when inputs are applied to both I and K simultaneously, the flipflop switches to its complement state.

Clocked JK Flip + lop: aputput a is ANDED with K and the clocked input Ranno e d'is ANDER with I and the clocked input "So that the flipflop is cleared during a clock pulse only if Q was previously 1 (Qis ANDed with Kand cloc so that the flipflop is set with a clock pulse only if was previously I (a'is ANDEd with I and clock) * when both T and K wee 1, the clock pulse is fransmi through one AND GLATE only a (It) The one whose input is connected to the Flipfli output which is presently equal to 1. Clocked T flipflop & Toggle The of flipflop is a sengle input vousion of the TK flip F op swift (New to the complement state

