

A brief description of the unit and its operation follows:

*The OTX-xxx-HH-KF#-MS Keyfob transmitter combines a synthesized architecture OOK transmitter with an on-board encoder IC to form a simple yet effective RF remote-control transmitter. When a button is pressed on the remote unit, power is applied to the internal circuitry and the encoder IC is enabled. The encoder then detects the logic states of the button data lines. These states are formatted into a 2-word transmission cycle that continues until the button is released. The encoder data is used to modulate the transmitter that, through the antenna, conveys the data into free space. Once data is received, a decoder IC is used to check the transmitter's address against an address saved in memory. If a match is confirmed, the decoder's outputs are set to replicate the transmitter's button states. These outputs can then be used to activate whatever external circuitry is required by the application.*