

DESCRIPTION:

The modular transmitter unit will be activated by pressing one of the buttons connected to it. This will cause the transmitter to transmit data to the receiver. The receiver will decode the data and turn on an output. The transmitter module is activated by connecting any of the digital inputs to the on-board regulated +5V supply. The receivers are activated by applying power to the power leads of the receiver and activating an input on the transmitter.

In the test system, the yellow button on the transmitter operates output 1 on the receiver and broadcasts on channel 0 (903.37 MHz), the red button operates output 2 on the receiver and broadcasts on channel 3 (909.37 MHz), and the green button operates output 3 on the receiver and broadcasts on channel 7 (921.37 MHz).

Both receivers are programmed similarly, in that a button on the transmitter will activate an output on the receivers. Each receiver has a load connected to output 1 and therefore will activate with the yellow button on the transmitter.

All units will operate on a +12V DC supply.