

Binary > 2 states Voltage W Resistance Current Diode State 1 -> 5V, OV 1 -> 6mA 1 -> ON 1 -> low res 0 → 0V, 3.3V 10 > 3mA 103 high 0 -> OFF \* Sen der > 010110 receiver 2 chonnel 5V 2A · The channel may add some noise to the signal being sent, . Therefore the receiver would receive: · Having just 2 levels of signal would cause problem as the received signal is rearly at OV or Sylevel. To solve this issue a threshold voltage is considered threshold 2.5 V ZV · If at a point the voltage is above the threshold voltage it will be considered 5V and vice versa.

Vraceived (Vr) <25 ≥0,0V

(Vr) > 2.5 ⇒ 1, SV











