

Description of Operation Principle

TRANSMITTER:

There are three clocks. Y3 provides the carrier , Y1 the clock for U1 and Y2 the clock for U2. The output of Y3 is buffered and amplified, then by matching elements L1, L2, C10,C11,C12 coupling to the antenna. The antenna is in differential format, there is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by DC 3V from 2*AAA batteries.

RECEIVER:

There are two clocks. Y1 provides the local oscillator for U2 , Y2 the clock for USB . The antenna is in differential format, there is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied USB.