

Model: **RA2000** (Transmitter portion)
Technical Description of Transmitter

The transmitter operates at 27.145 MHz, and controls a receiver ascending, descending, steering left or right. It has a charging port to charge the internal rechargeable battery of the receiver.

The circuit of the transmitter comprises of,

1. An Encoding keys
consisting: Left Lever, Right Lever, 2 X Steering Trimmer
2. An RF Oscillator
consisting: Q5, X1 (27.145MHz crystal)
3. Filter
consisting: L3, C9, C10, C11
4. An Encoder, Mixer and Amplifier
consisting: U1 (PMC232-SC16)
5. A Power Supply
consisting: Six 1.5V AA batteries

The transmitter uses an external, integral and non-detachable antenna.

The nominal rated field strength is 71.6dBuV/m @ 3m
Production tolerance of field strength is +/- 3dB
Antenna gain is 0dBi