

Operational Description

The RFGamePad/RFJoystick transmitter is a low powered, hand held unit for remote control and sending instruction to the computer . See the function descriptions in attached. Both transmitters are powered by two 1.5 Volt batteries. It's designed to operate on a single fixed frequency at 27 MHz. See the attached block diagram and schematic.

When button on RFGamePad/RFJoystick pressed, the micro-controller in RFGamePad/RFJoystick will produce the digital control signals and will modulate the carrier signal. The carrier signal is generated by the crystal oscillator / frequency circuit comprised of a 27.045/27.145 MHz FSK .The frequency depend on the select channel switch to changed. The modulated output of the RF amplifier stage is coupled to the strip antenna on PCB .

The transmitter is manually operated by the buttons(handgrip , POV) pushed and automatically deactivate instant after the button being released. This feature is incorporated by the RFGamePad and RFJoystick internally.

All tuning and verification are performed by the manufacture and there are no adjustments can be made by the user . No external ground is required or used with transmitters.