

Remote Control Working Principle

Chip RSMTS-2/RSMRX-2 is CMOS circuit used to control boat. Coding and decoding IC control left, right and forward direction of boat.

1. RSMTX-2 transmitting circuit: when turns switch on, 9V batteries through regulator provide 3.9V working voltage to chip. Frequency of high frequency oscillator is 27.145MHz. Coding digital signals output from foot 8 of IC and carrier wave signals output from Q1 are added to electrode of Q2, after modulated by Q2, they are transmitted by L4 to antenna. Turns switch left, right and forward to control left, right and forward direction of boat.
2. RSMRX-2 receiving circuit: when turns switch on, 9.6V voltage is directly added to relay, regulator and drive circuit of relay, passed regulator to provide working voltage for receiving circuit and RSMRX-2. Through antenna remote control signals are received by super regeneration circuit Q3, then sent to foot 14 of IC, output to foot 7, 6, 11 of IC, added to relay drive circuit Q1, Q4, Q5 to realize audion alternate control service electrical machine.