OPERATION INSTRUCTION

Press the switch SW1 to supply SC2262 power. SC2262 generates encoded signal which is outputted from the seventeenth foot position. The encoded signal is modulated in Q2 after passing R4 and Q1 (8050) and the modulated high frequency signal is transmitted outside.

When the antenna of the receiver receives the signal, the signal is immediately amplified by Q1 and demodulated by Q2. Then after amplified by operating IC LM358, the first foot position of LM358 outputs the modulated encoded signal and the fourteenth foot position of PT2272-L4 inputs and decodes. The twelfth foot position outputs high voltage to supply the loop of the 12V40A relay, after 1N4148 and R7 triggering Q3 which connects the relay. The relay switch closes after obtaining voltage and then supplies the motor power. The skateboard slides forward.

When press the stop switch SW2, the twelfth foot position of PT2272-4 is changed into low voltage and the base of Q1 (8050) cuts off because of losing voltage. Then the base of Q2 is connected as a result of being changed into high voltage from low voltage to change the output of Q3 into low voltage. Q3 cuts off and the loop of the relay cuts off because of losing the voltage. Motor stops running and the skateboard stops sliding forward.

The skateboard should slide on the smooth surface. And it slides or stops under the control of the controller. You can control the direction and freely turn right or left through pressing the edge of the board with your feet.

Anyway, the skateboard will make you experience excitement and fun when playing it.