

Hobbico IYF3CHAM100-27

Tx Circuit Description

1. Power is generated by eight 1.5V alkaline “AA” cells that are installed into the Tx by the user.
2. The input voltage is then regulated inside the transmitter through a 5 volt regulator. The user controls the direction of a remote controlled aircraft by adjusting sticks which are connected to analog potentiometers inside the transmitter. The regulated input voltage powers an integrated circuit, which supplies power to the potentiometers. The resulting change in control signals from the user through the potentiometers is fed back through the IC, modulated, then forwarded to an Rf amplifier which is driven by a piezoelectric crystal.
3. The Rf signal is amplified through a power amplifier circuit which is powered by the transmitter’s unregulated input voltage.
4. The amplified Rf signal is transmitted out of the transmitter through a built-in telescoping antenna.