

## MOBILE JAMMER

The main aim of this project is to use mobile Jammer and operating it through wireless technology. Technology is not only a boon for the society and as well curse for the society. Anti social elements using this technology for exploding the bombs in the holy places, in VIP security places, government offices, and tourist places. To avoid the exploding in such places this project was developed.

A Jammer is a device that transmits the signals on the same frequency at which the GSM system operates. The jamming success when the mobile phone in the area where the Jammer is located or disabled. When the Jammer is activated up to some extent the GSM signal will be jammed and all the mobiles will be under the no coverage area.

RF communication is adapted in this project to operate the Jammer wirelessly. When the control button is pressed on the transmitter side the data is going to be transmitted to RF receiver wirelessly. Then the micro controller will decode the signal and operates the Jammer at the receiver part. When ever a receiver gets the signal from the transmitter then only Jammer will be activated.

The controlling device of the project is a Microcontroller to which input and output modules are interfaced. The control units can also be termed as an on board computers or microcontrollers. The name onboard computer is given due to the presence of it's built in memory (RAM, ROM) and also due to its input and output ports. The Microcontroller is programmed using Embedded C language which provides effective environment for performing the task of the project. Express PCB software is extracted to design the circuit boards.

**The main features of this project are:**

1. Wireless data transmission.
2. Automatic tariff control of GSM mobiles.
3. High efficient.

**Advantages:**

1. Easy to operate with the RF transmitter & receiver
2. Security mechanism in rush areas.
3. Low power consumption.

**The device provides learning's on the fallowing advancements:**

1. RF transmitter.
2. RF receiver
3. Mobile Jammer interfacing.
4. Embedded C programming.
5. PCB design.

**The major building blocks of this project are:**

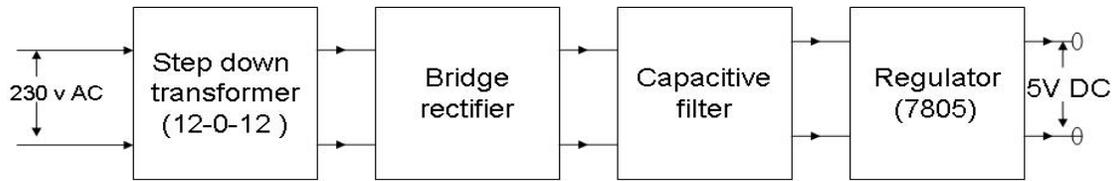
1. Microcontroller based control system with regulated power supply.
2. RF transmitter for remote communication.
3. RF receiver for remote communication.
4. Control buttons.
5. Mobile Jammer.
6. Buzzer.
7. Reset
8. Crystal oscillator
9. Led indicators

**Software's used:**

1. PIC-C compiler for Embedded C programming.
2. PIC kit 2 programmer for dumping code into Micro controller.
3. Express SCH for Circuit design.
4. Proteus for hardware simulation.

**Power supply:**

**REGULATED POWER SUPPLY**

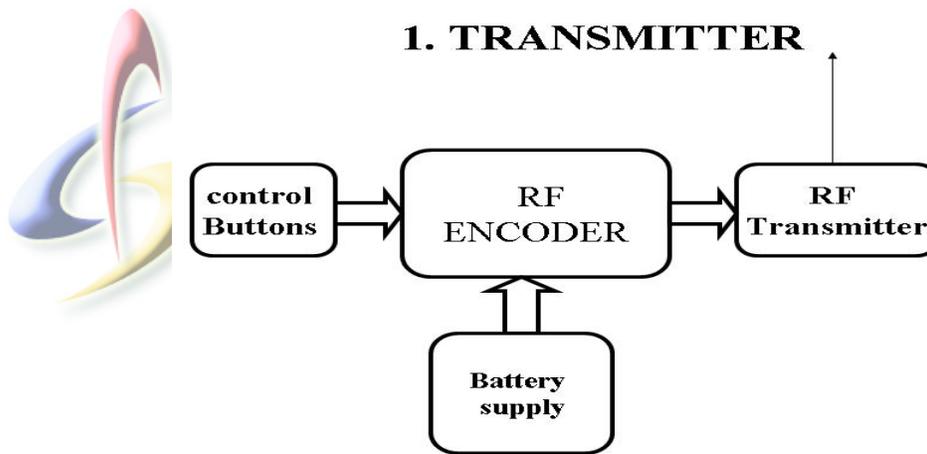


**Block diagram:**



**MOBILE JAMMER**

**1. TRANSMITTER**



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## 2. RECEIVER

