

## Model: TF-35

### Circuit Description

The Dynamo Radio device can receive the AM; FM; and Weather broadcasting. In the AM and FM broadcasting signal to pass through the CXA1691 built-in RF amplifier and the demodulation, after AF amplifier outputs to the loudspeaker. Weather receive broadcasting signal after the weather RF amplifier. Then the GP214D controlled by CPU JX903D to carry on the phase loop lock for stable the oscillator. After the MC3361 to two frequency conversion and demodulation, the AF signal outputs to the CXA1691 AF amplifier, then output to the loudspeaker.

Dynamo is by hand crank to operate as built-in AC power generator to output electric power to recharge the built-in rechargeable battery, that can be refuel the energy for operate that radio device.