

MODEL No: CE-701

"CoPilot"

Car Wireless Hands-Free for Mobile Phone

Technical Description

When the unit is plugged into the cigarette lighter of the car, the power will be turned on. It will transmit a 96.05 - 96.15 MHz signal.

Place Audio Cup over the cell phone's Ear Piece, when a call comes, the MIC will transform the sound to the electric signal, and the signal coupled to Q3, Q4 by way of audio amplifier, then the signal coupled to D2 for frequency modulation, D2 is a transmutable capacitor diode.

Q2 is a oscillator controlled by a crystal, frequency is 16.017 MHz, and the frequency modulation by D2, then the signal coupled to T2, T2 is a doubled tuned circuit, this circuit is resonance in 96.1 MHz, and then through to Q1, Q1 is a high frequency amplifier transistor, then coupled to the transmit antenna.

Your car radio needs to be preset to 96.1 MHz for receiving the phone conversation signal.

Antenna and Ground Circuitry

This unit makes use of an internal wire (4") antenna, the antenna is inductively coupled, and the unit is powered at 9V DC.

No ground connection is provided, the unit relies on the ground track of the printed circuit board.