

10010 FM transmitter for Ipod Circuit Illustration

iPOD HOST: providing the power to its accessory products which will modulate and transmitting the ipod's audio output signal.

MCU HT49R30A-1 : Control and save the transmitter's transmitting frequency and built-in radio's receiving frequency, control the radio volume and LCD's indication

LCD DISPLAY : indicating the transmitter's transmitting frequency, built-in radio's receiving frequency, saved channel, radio volume indication.

TACT SWITCH CELL: hand-controlling buttons (M KEY, S KEY, - KEY, + KEY)

VCO&PLL CELL: making the transmitter's transmitting frequency (VCO) and modulating the transmitter's transmitting frequency (PLL)

RADIO CELL: built-in radio circuit. Receiving and modulating the FM radio station's transmitting signal. HEADPHONE AMP & VOLUME CONTROL: controlling the audio signal and volume from the RADIO CELL and magnifying the power.

HEADPHONE JACK OUTPUT: transferring the audio signal from HEADPHONE AMP & VOLUME CONTROL. Signal output from 3.5 earphone jack.

ANT: built-in antenna to match the signal from VCO&PLL CELL. Signal transmitting via the built-in antenna.