Colt 444 AM/FM

You have just purchased the very best 120-channel AM/FM Mobile Citizens Band Two Way Radio

Instruction Manual
SECTION 1
GENERAL INFORMATION

DESCRIPTION

Your COLT 444 AM/FM represents the most advanced Mobile Station type radio ever designed for use in the Citizens Band Radio Service. It will operate on any of the 120 frequencies designated as citizens band channels. Your COLT 444 AM/FM features a frequency synthesizing circuit with PHASE LOCK LOOP techniques to assure ultraprecise frequency control.

SPECIFICATIONS

GENERAL
Channels: 120-CH
Frequency Range: 26.515 MHz to 27.855 MHz
Frequency Control: PLL Synthesized.
Antenna Impedance: 50 ohms
Power Input: 13.8 V DC
Accessories: Microphone, Microphone Hanger, Mounting Bracket.
Size: 180m/m(W) × 198m/m(D) × 60m/m(H).
Weight: 2.3Kgs.

TRANSMITTER
Output Power: 0.5—5—10 Watts.
Hum and Noise: Better than −60 dB
Frequency Tolerance: 0.005%
Modulation Percentage(Peak): 100%
FM Deviation: ±1.5kHz with 1250Hz 20mV audio

RECEIVER
Sensitivity at 10dB N/S+N:(AM) 1.0 uV
Sensitivity at 20 dB Signal-to-noise ratio(FM) 0.7 uV
Squelch Threshold: 0.5 uV — 500 uV(Adjustable)
Maximum AF Output Power: 4 watts
Frequency Response: 400 Hz — 2,000 Hz
Image Rejection: More than 45 dB
Selectivity: 5 KHz.
Speaker Impedance: 8 ohms.
INTRODUCTION

This radio has been designed to provide high level performance in the Citizens Band Radio Service, which is comprised of the following frequency assignments:

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<th>Mid Band</th>
<th>Hi Band</th>
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SECTION 2
OPERATING INSTRUCTIONS

CONTROLS, INDICATORS, CONNECTORS AND THEIR FUNCTIONS

1 Volume Control/Power ON-OFF Switch
   This combination control supplies power to your CB transceiver and adjusts the receiver.
   The switch should be turned clockwise from the "OFF" position. You will hear an audible "click"
   To adjust the volume continue advancing the control in a clockwise position.

2 Squelch Control/AM/FM Switch:
   In the clockwise position, the unit is squelched. And PULL. position, the unit is switched FM mode position.

3 PWR 0.5w — 10W Switch:
   This switch selects the desired RF power output. When you select 0.5W position, RF output power is approx. 0.5 watt. At CENTER(5W) position, the power is approx. 5.0 watt. At 10W position, you can get maximum power output, approx. 10 watt.
4 CHANNEL SELECTOR Switch:
This switch selects the desired channel for transmission and reception. All channels may be used for communications between stations operating under different license.

5 HI/MID/LOW BAND Switch:
This switch selects the desired frequency. At LOW position, frequency range is 26.515 MHz to 26.955 MHz. At MID position, frequency range is 26.965 MHz to 27.405 MHz. At HI position, frequency range is 27.415 MHz to 27.855 MHz. Please refer frequency chart in page 2.

6 RF/S Meter:
When receiving, Meter lamp lights in green and indicator vibrates by the receiving signal strength. When transmitting, Meter lamp light in red and the light and indicator changes sensitivity by the strength of voice.

7 Channel Display:
LED digital display indicates the channel.

8 Microphone Jack:
Plug in attached microphone to Mic-Jack and it’s ready to transmit by Press-Talking style.

9 TX Indicator
Light emitting Diode (LED) indicates Red while transmitting.
REAR PANEL OPERATION

**DC power cord:** Attach red (+) and black (−) cord to the power source. DC power is adjusted at 13.8 Volts.

**External SP jack:** It is suggested to use external speaker and headphone when communication takes place where excessive background noise is arisen. Speaker and headphone impedance must be 4–8 ohm.

**Antenna connector:** To use antenna, it must be adjusted in correct impedance at 50 ohms.