

4-Channel FM Broadcast Demodulator



Introduction:

The 4-Channel FM radio demodulator can demodulate 4-channel FM radio programs at same time in high-quality. It can be used for radio broadcast transposer , multi-channel FM signal monitoring and any other occasions where multi-channel and high-quality is required.

overview

ZHC358-04 FM demodulator is a 4-Channel broadcasting radio receiver. It has high sensitivity for receiving. The LCD will display the level of output audio signal. It has standard communication interface for telemetry. It can be used for radio broadcast transposer , multi-channel FM signal monitoring and any other occasions where multi-channel and high-quality is required.

This product uses the latest DSP processing receiver IC, while high-quality FM demodulation, it can detect and display each receiving channel's field strength values, the RF signal SNR, stereo status, output audio level etc. at the same time. These parameters can be read by other hosts through the communication interface.

Features

Built-in receiver amplifier circuit improves the receiving sensitivity.

It can receive well in serious RF noise

Output audio quality can reach professional broadcast-level

Output volume can be adjusted electronically or can be mute

LCD display of reception field strength, SNR, stereo audio signal histogram etc.

RS232 telemetry interface

SPECIFICATIPONS

1. Receiving frequency range	87MHz~108MHz
2. Receiving sensitivity	<1uV (0dBuV)
3. Receiver SNR	>3dB
4. De-emphasis	50uS
5. Audio output impedance (balanced, XLR)	600 Ω
6. Volume Gain	-20dB~+6dB
7. Stereo Separation	\geq 40dB(type.45dB)
8. Audio SNR	\geq 60dB
9. Audio frequency response	\leq 0.5dB
10. Distortion(stereo)	\leq 0.3%
11. Field Strength, SNR, the Volume level can be displayed on LCD	