

HS-200 Wireless Microphone

Theory of Operation

The HS-200 Wireless Microphone uses an OEM RF module and PCB mount antenna to transmit both voice and data signals to the HS-200 receiver. This device is used as a PA and starting system for swimming, track and other applications.

A modified CB microphone controls the unit. When the side button on the microphone is pressed, a digital signal is sent to the receiver, turning the audio circuits on. Any voice picked up by the microphone while the side button is pressed is transmitted to the receiver. When the top button on the CB microphone is pressed, a digital signal is transmitted to the receiver, which produces an audible tone.