

9701 technical description

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Features:

Transmitter Unit:

Power Source: AC Adapter I/P: 120VAC 60Hz O/P: 9VDC 200mA
Power Indicator: Green LED
Slide Switch Control Power on/off
2 Channel Select: Slide Switch
3 Mode of Operation Night Light(Off/Auto/On): Slide Switch

Receiver Unit:

Power Source: ~~9V Battery or AC Adapter~~ I/P: 120VAC 60Hz O/P: 9VDC 200mA
Power Indicator: ~~Green LED~~
2 Channel Select: Slide Switch
Rotation Volume Control Sound Level and Power on/off
Bargraph Display: 5 Red LED

Operating description:

This set of baby monitor operate in at 49.845MHz and 49.875MHz for 2 channel transmission. With baby sound entering into the microphone in Tx, the voice is amplified and upconverted to 49MHz to transmit in the wireless channel. Upon receiving signals, the Rx downconvert and demodulate the signal and the voice is then amplified before passing into the speaker. 5 red LEDs is also used to indicate the sound level proportionally as we call it bargraph display. The channel should be matched for Rx and Tx in order to receive signals for the channel chose. A rotary volume knob is present in the Rx for user to adjust the voice output level.

For more details about the monitor, please refer to schematic drawing.