



harman/kardon®

infinity

JBL

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USA

We, Harman Consumer, Inc.  
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Product name: Remote  
Model: RB85A00  
Brand: Harman/kardon

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#### harman/kardon RB85A00 Operational Description

The harman/kardon RB85A00 is a separate 2.4 GHz RF device to be used in conjunction with the harman/kardon MAESTROKITCHENTM100 SOUND SYSTEM. The remote control has an operating range of approximately 20 feet. The buttons on the remote control the music control functions when playing music. With regards to the remote control transmit operations. The 2.4 GHz carrier frequency is generated by the internal PLL of the Nordic transceiver, which takes a 16 MHz clock input (crystal). Every time a button is pressed and released, the remote sends out a single RF packet. If the button is held down, a packet is transmitted every 1/2 second. The transmissions are made in short bursts meaning there is no constant output carrier on the RF front. After processing a button press, the entire remote system goes into a sleep mode in order to minimize battery drain. In this state, the radio functionality of the transceiver chip is completely powered down and the crystal does not oscillate.

Your attention of this letter will be highly appreciated.

Best Regards,

Signature

Harman Consumer, Inc