
User Manual

The remote control adopts HM-TRLR-LF/HFS for signal transmission, and the dominant frequency is 433 MHz. LPC1113FBD48 -301 sends communication data to HM-TRLR-LF/HFS through SPI.

The internal RF96 chip of the HM-TRLR-LF/HFS module transmits signals at a frequency of 433 MHz, uses a crystal oscillator of 32 MHz, and the MCUs use MSP430G2533IPW20. The MCUs communicate with the RF96 chip through SPIs.

The button circuit uses an FPC and is connected to the PCB through an interface. Use two 1.5 V dry batteries to supply power to the remote control in series. Increase the voltage to 3.3 V through the DC-DC conversion chip to supply power to LPC1113FBD48 -301. HM-TRLR-LF/HFS sends signals through the spring antenna soldered to the board. To save power, the machine will be started only when the button is pressed.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement.