

LGT202TX/RX

RADIO FREQUENCY REMOTE WITH LCD FOR GAS FIREPLACE

INSTRUCTION AND INFORMATION GUIDE

1. Introduction of Functions

- This RF Remote Control System is for Gas fireplace operations. It consists of a transmitter and a receiver. The system has two modes; Manual and Auto.
- In Manual mode, the system turns the Flame ON /OFF and Sound (Firecrackler device).
- In Auto mode, the system regulates room temperature to a desired degree by automatically turning the flame ON and OFF.
- The system has an auto power off countdown timer for a max of 12 hours.
- An LCD display shows a back light for Flame and Sound status, Room temperature, desired Set temperature, Clock, Auto power OFF countdown timer and Low Battery indicator.
- There is a Childproof lock-out for all the transmitter keys.
- The battery cover has a Childproof design.
- The system operates on a variable remote control address code. User can program the address code on the transmitter. The code range is 1-250.

Transmitter:

- operates in both simple on/off or temperature control mode
- displays temperature and all functions with backlighting
- monitors room temperature each minute
- can control temperature from 49 ° F to 99 ° F (9 ° C to 37 ° C)
- has count down to OFF timer settable from 0 to 12 hours.
- has Childproof key locking and battery cover
- can be programmed to operate on one of 250 addresses

Receiver :

- can turn ON/OFF Millivolt valve or 24 volt valve
- can turn ON/OFF Firecrackler Sound System (external CF6)
- operates on 4-AA batteries
- address code learn function (1 to 250)
- has over-heat shut down protection

Receiver over-heat protection temperature: $65 \pm 5^{\circ}\text{C}$

2. Specifications

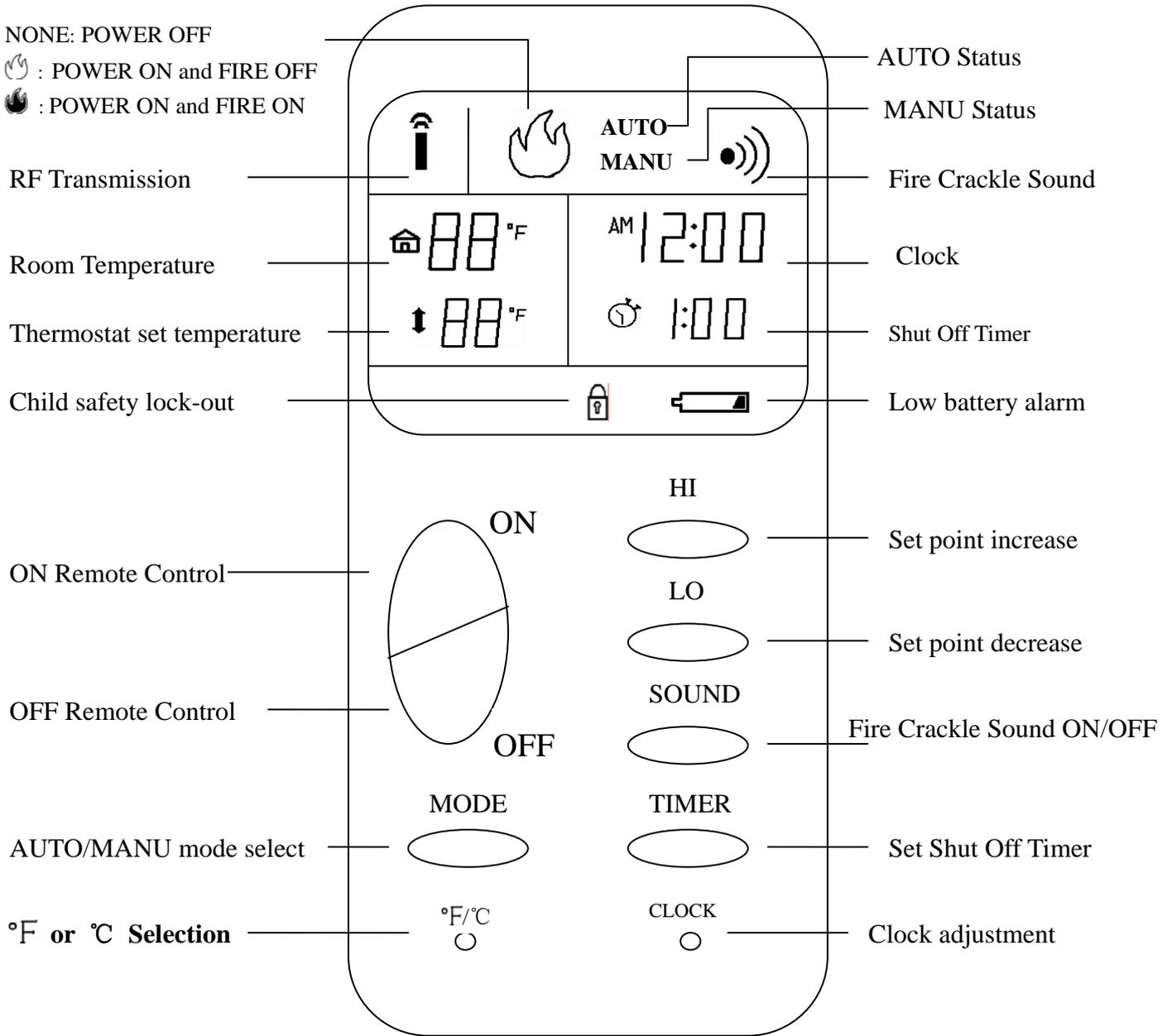
RF carrier	433.92MHz
Transmitter power	2 AA alkaline batteries for approximately one year of service.
Receiver power	4 AA alkaline batteries for approximately one year of service.
Remote range	Not less than 8 meters (20 feet).
Receiver output control	ON/OFF Millivolt valve or 24 volt valves ON/OFF Firecrackler sound device (External CF6)

Temperature range for transmitter operation: 0-40°C

Temperature range for receiver operation: 0-70°C

3. Transmitter Operations

3.1 LCD and KEY:



3.2 Battery installation

Remove the screw from the battery cover on the rear side of the transmitter, open the cover, and insert 2 AA alkaline batteries into battery holder.

When the batteries are in position, LCD displays current room temperature $\text{88}^{\circ}\text{F}$ and clock "AM 12:00".

3.3 $^{\circ}\text{F}$ or $^{\circ}\text{C}$ Selection

Press $^{\circ}\text{F}/^{\circ}\text{C}$ hole with a pen tip to select $^{\circ}\text{C}$ or $^{\circ}\text{F}$ degrees.

3.4 Clock display adjustment

Press CLOCK hole with a pen tip, and AM (or PM) will flash. Adjust the time by pressing HI or LO keys. AM (or PM) will stop flashing within 3 seconds after the completion of the adjustment.

3.5 OFF position of the transmitter

When the transmitter is in the OFF position, and does not display a flame outline  or  , Both Flame and Firecrackler are OFF.

3.6 Transmitter ON

Press ON key, and the transmitter will display flame outline  or  indicating transmitter is in ON position. No fire with outline and fire with darkened symbol.

3.7 AUTO or MANU Select

Press MODE key , and LCD will display AUTO or MANU, indicating AUTO or MANU mode.

3.8 AUTO

In AUTO mode, LCD displays the desired temperature for auto temperature control . This can be adjusted with HI and LO keys. The system will measure room temperature every minute. When Room temperature is lower than the desired Set temperature, LCD displays  and the flame is ON. When room temperature is higher than the desired temperature, LCD displays  and the flame is OFF.

3.10 MANUAL

In MANU ON mode, no desired Set temperature is displayed. Flame stays ON.

3.9 SOUND

When flame is in ON position, SOUND key turns ON/OFF the Firecrackler device. When the SOUND is in ON position, LCD displays  Firecrackler turns on/off with the fire when in AUTO mode.

3.11 TIMER

Auto power off countdown timer can be set when the system is in ON position. Press TIMER , and LCD will display  and  will flash. Use HI or LO key to select the desired time.  will stop flashing in 3 seconds after the completion of selection. The timer will start to countdown and power will turn off at the end of the desired time.

3.12 CHILD LOCK

To lock press both MODE and TIMER keys, and LCD will display  in 3 seconds indicating the remote control is locked.

To unlock, when  is displayed, press both MODE and TIMER keys and LCD will display  in 3 seconds indicating the remote is unlocked.

3.13 CHANGING ADDRESS

To avoid interferences of two remote control systems of same model in one household, one of them needs to change its address code. Press both HI and LO keys, and LCD will display current address  in 5 seconds. Change the address code by using HI or LO keys, and it will be set in 3 seconds. If the Transmitter address code is changed, the Receiver address code must change accordingly (see 4.6)

3.14 BATTERIES

The batteries are for approximately one year service.

 indicates the battery voltage is within normal range

 indicates the battery voltage is low and batteries need replacing.

4 Receiver Installation / Functions

4.1 Connect the Valve and Firecrackler Sound Device.

Make sure that the slide switch of the receiver is in OFF position. Connect the flame control wires (red and white) of the receiver to the valve and sound control wires (blue and black) to Firecrackler Sound device.

4.2 Install Batteries

Press the small square button below the battery holder of the receiver, open the battery holder, insert 4- AA alkaline batteries, and install the battery holder back into receiver.

4.3 OFF

When the slide switch of receiver is in OFF position, receiver turns off FLAME and SOUND of the fireplace. Receiver will not respond to any remote signal from the transmitter.

4.4 ON

Turn the slide switch of receiver to ON position, and receiver turns on FLAME and SOUND of fireplace. The Receiver

will not respond to any remote signal from the transmitter in ON.

4.5 REMOTE

Turn the slide switch of receiver to REMOTE position and the receiver will respond to remote signals from transmitter. Transmitter turns ON/OFF Flame and Sound. Receiver will respond with Beep upon receipt of RF remote signals. Flame and Sound of fireplace is then controlled by the transmitter.

4.6 Learn address code

If receiver fails to respond to RF remote signals of the transmitter or the address code of the transmitter has been changed (see 3.13), the receiver needs to relearn the address code.

Make sure receiver is in REMOTE position, press LEARN CODE hole of the receiver with a pen tip, (LOW BATTERY indicator will light), and at the same time press ON or OFF key of the transmitter. Receiver will respond to RF remote signals of the transmitter with Beep indicating it has learned the address code and the system is ready for proper operation.

4.7 Over-heat protection

When ambient temperature of receiver exceeds 60 °C, the Flame will turn off automatically to protect the PCB and batteries.

4.8 Lost signal auto shut-off

Transmitter sends out signals every minute for control of FLAME and SOUND. Any time receiver fails to get signals for more than 3 minutes, the flame will turn off automatically.

4.9 Low Battery

New batteries have approximately one year service time. Flashing of LOW BATTERY indicator means batteries need replacement. When the battery voltage is too low for remote control function, the manual slide switch can be used to turn the fire and Sound ON/OFF.

Make sure to turn receiver slide switch to OFF during long time absence from the premises.

NOTE:

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 UNDESIRE OPERATION.

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTRERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT.SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT” .