

## GV60 Remote Electronic Ignition and Control System

### OPERATING INSTRUCTIONS

#### ▲ WARNING

If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- A. **BEFORE OPERATING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

### WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
  - Do not touch any electrical switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- B. Use only your hand to push in or turn the gas control knobs. Never use tools. If a knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- C. Do not use this control or any gas appliance if any part has been under water. Immediately call a qualified service technician to inspect the control or gas appliance to replace any part of the control system and any gas control which has been under water.
- D. These instructions are to be referenced as a user guide, and do not supersede appliance manufacturer's lighting instructions.

### SPECIFICATIONS

Gas combination control according to CSA or CE approval (see label).

Fuels: CSA: Suitable for use with natural, manufactured, mixed and propane (LP) gases and LP gas-air mixtures.

CE: Suitable for use with gases of EN 437 gas family 1, 2, 3.

### APPLICATION

e-FLAME is a battery-powered electronic remote ignition and control system for gas appliances with pilot burners and ODS systems.

### OPERATING INSTRUCTIONS AUTOMATIC IGNITION

#### ▲ WARNING

When pilot ignition is confirmed, motor turns automatically to maximum flame height.

Follow appliance manufacturer's instructions for gaining accessibility to the gas control and the pilot. When turning main valve knob, do not force. Knob has a slipping clutch, allowing for manual main burner(s) flame height adjustment as well as adjustment to pilot stand by position (see figure 1).

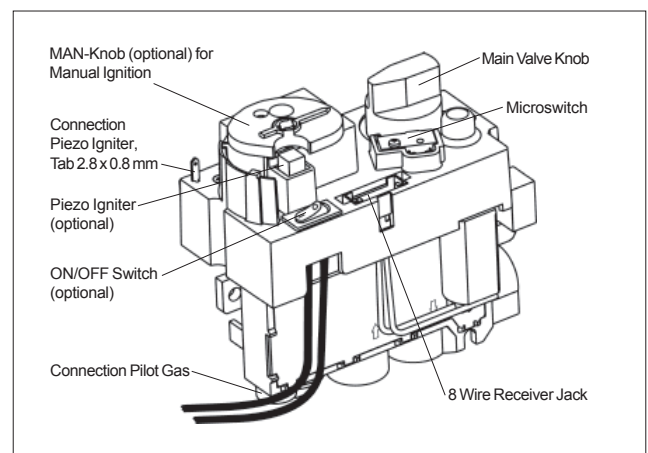










Figure 1: Combination Control GV60

1. **STOP!** Read the safety information included before proceeding.
2. Turn main valve knob to the **OFF**, full clockwise  position.
3. Place manual ON/OFF switch (if equipped) to the **O** (OFF position).
4. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. **If you smell gas STOP! Follow "A" in the safety information above.** If you don't smell gas, proceed to step 5.
5. Turn MAN-knob (if equipped) to the **ON**, full counterclockwise  position (see figure 3).
6. Place manual ON/OFF switch in **—** (ON position).
7. Simultaneously press and hold the  (star) and  (up arrow) buttons (if Infrared Model:   (star, up arrow) and the small lower button) until a short acoustic signal confirms the start sequence has begun; release buttons. Continuing signals confirms the ignition is in process. Once pilot ignition is confirmed there is main gas flow. (see figures 4 & 5)

**▲ WARNING**

When pilot ignition is confirmed, motor turns automatically to maximum flame height.




- NOTE:** If the pilot does not stay lit after several tries, turn the gas control knob (main valve knob) to **OFF** and proceed to step 9.
8. Set thermostat (if equipped) to desired setting or use remote control to adjust flame. In standby mode: press  (up arrow) to increase flame height, press  (down arrow) to decrease flame height or set appliance at pilot flame. For fine adjustment tap the up/down arrows.
  9. If the appliance will not operate, follow the instructions "TO TURN OFF GAS TO APPLIANCE" and call your service technician or gas supplier.

**OPERATING INSTRUCTIONS MANUAL  
IGNITION OPTION**

(If equipped with optional MAN-Knob)

Follow appliance manufacturer's instructions for gaining access to the gas control and the pilot.

When turning main valve knob, do not force. Knob has a slipping clutch, allowing for manual flame height adjustment as well as adjustment to pilot standby position.

1. **STOP!** Read the safety information included before proceeding.
  2. Turn main valve knob to the **OFF**, full clockwise  position.
  3. Turn MAN-knob (if equipped) to the **MAN**, full clockwise  position.
  4. Place manual ON/OFF switch (if equipped) to the **O** (OFF position).
  5. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. **If you smell gas STOP! Follow "A" in the safety information above.** If you don't smell gas, proceed to step 6.
  6. Place manual ON/OFF switch in **—** (ON position).
  7. With the MAN-knob in **MAN** position a manual pilot valve operator is accessible (see figure 2).
    - Fully push down manual pilot valve operator and hold in, to start pilot gas flow. Immediately light the pilot with a match, while continuing to hold in the manual pilot valve operator for about one (1) minute after the pilot is lit. Release manual pilot valve operator. If pilot does not stay lit, repeat steps 2 through 8.
- NOTE:** If the pilot does not stay lit after several tries, turn the gas control knob (main valve knob) to **OFF** and proceed to step 11.
8. If applicable, per appliance manufacturer's instructions, replace pilot access panel before proceeding.
  9. Turn MAN-knob to the **ON**, full counterclockwise  position.

- Turn main valve knob to the full **ON**, full counter-clockwise ↺ position
- If the appliance will not operate, follow the instructions "TO TURN OFF GAS APPLIANCE" and call your service technician or gas supplier.

- Turn main valve knob to the **OFF** full clockwise ↻ position.
- Replace appliance accessibility cover (if applicable), per appliance manufacturer's instructions.

## NORMAL OPERATION

### A. IGNITION

Simultaneously press and hold the ☆ (star) and ▲ (up arrow) buttons (if Infrared Model: ☆ ▲ (star, up arrow) and the small lower button) until a short acoustic signal confirms the start sequence has begun; release buttons. Continuing signals confirms the ignition is in process. Once pilot ignition is confirmed there is main gas flow. (see figures 4 & 5)

### ⚠ WARNING

When pilot ignition is confirmed, motor turns automatically to maximum flame height.

**NOTE:** If the pilot does not stay lit after several tries, turn the gas control knob (main valve knob) to **OFF** and proceed to step 3.

### B. ADJUSTMENT - FLAME HEIGHT

- Set thermostat (if equipped) to desired setting or use remote control to adjust flame. In standby mode: press ▲ (up arrow) to increase flame height, press ▼ (down arrow) to decrease flame height or set appliance at pilot flame (see figure 4). For fine adjustment tap the up/down arrows.

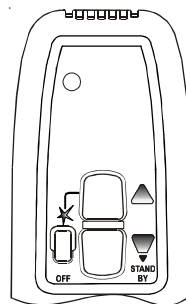


Figure 4: Remote Handset, Standard Model

- If the appliance will not operate, follow the instructions "TO TURN OFF GAS TO APPLIANCE" and call your service technician or gas supplier.

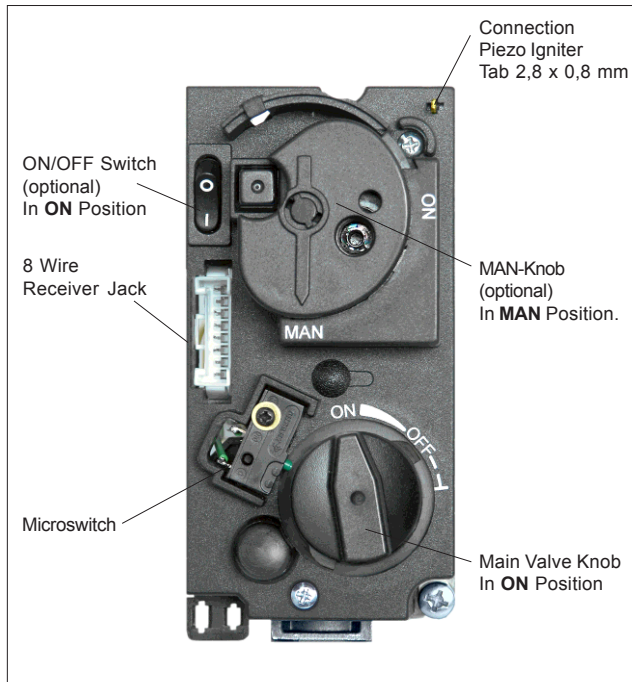


Figure 2: Combination Control, Cover

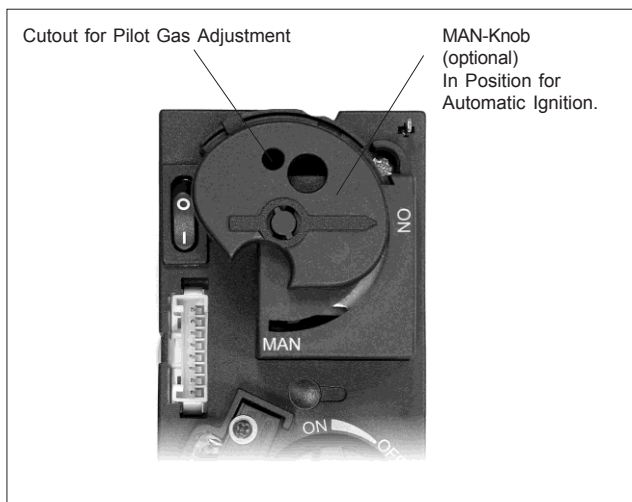




Figure 3: Combination Control, View MAN-Knob (optional)

## TO TURN OFF GAS TO APPLIANCE

- Press **OFF** button on remote (if available).
- Follow appliance manufacturer's instructions for gaining accessibility to the gas control.
- Place manual ON/OFF switch in **O** (off position).

**C. ADJUSTMENT - FLAME HEIGHT  
INFRARED MODEL**

To increase flame height press simultaneously   (star, up arrow) and the small lower button. There is a separate button left for switching off (see figure 5).

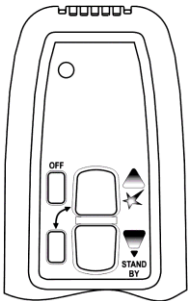



Figure 5: Remote Handset, Infrared Model

**NOTE:** (Thermostatic Models) To save battery power, press  (down arrow) to turn main gas to pilot gas. Press OFF button to shut off the device including pilot flame. The device can be shut off with the ON/OFF switch, thus disabling the remote handset.

**BATTERY REPLACEMENT**

Battery replacement is recommended at the beginning of each heating season. Batteries need to be changed when an acoustic error message is heard. Do not use metallic tooling. Metallic tooling could cause a short that may render the receiver inoperable.

Receiver: ..... 4 x 1.5V "AA"  
(quality alkaline recommended)

Remote Handset: ..... 1 x 9V  
(quality alkaline recommended)

An AC Mains Adapter may be used instead of batteries (only the Mertik Maxitrol or an approved AC Mains Adapter can be used).

**NOTE:** During a power outage the AC Mains Adapter must be unplugged from the receiver to operate in the battery mode.


**GENERAL NOTES**

A code is preset for all Mertik Maxitrol electronics, but can be changed if required. If you wish to change the code, complete the following:

1. Change DIP switch position (see figure 6).



Figure 6: DIP Switch in Remote Handset Battery Compartment

2. Press and hold the receiver's reset button until you hear two (2) acoustic signals. After the second longer acoustic signal, release the reset button and within the subsequent 20 seconds, press the  (down arrow) on the remote handset until you hear an additional long acoustic signal confirming the new code is set (see figure 7).

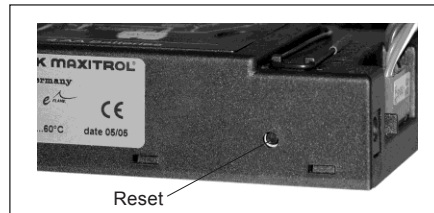


Figure 7: Receiver with Reset button

**Location of Receiver**

When the RF-receiver is placed in the appliance, the surrounding metal can reduce reception considerably. The position of the antenna on the receiver also influences reception. The antenna must not come in contact or cross the ignition wire.

**Automatic Pilot Mode with Thermostat Remote**

If there is no transmission from the handset to the receiver within a 6 hour time period, the appliance will go to standby (pilot) mode.