

# MASTER<sup>®</sup> APPLIANCE

Designers and Manufacturers of Heat Tools for Industry

# GG-100 PORTAPRO<sup>™</sup> *Butane Powered Glue Gun*

## Instruction Manual

Read this manual in its entirety  
before attempting to use this tool.  
Become familiar with all controls  
for safety.



Unit is shipped without fuel

U.S. Pat. # 5,960,996  
Taiwan Pat. # 152873, 170762 & 167119  
China Pat. # ZL99216758.2  
Japan Pat. # 3062883  
Germany Pat. # 29903515.8  
Made in Taiwan

## Warnings:

**WARNING:** By-products of the combustion of the fuel used by this product contain chemicals known to the State of California to cause cancer and reproductive harm.

**WARNING:** The Department of Transportation Hazardous material Regulations forbid the carriage of butane or other flammable gas products on passenger aircraft. Do not pack this item or any other flammable gas item, in any checked or carry-on baggage.

**WARNING:** Do not clean or remove the adhesive with solvent. May cause fire. For additional health and safety information, see the product label and Material Safety Data Sheet for the Master Adhesive used.

## Cautions:

**CAUTION:** Allow applicator to cool to room temperature before servicing. Failure to do so **may cause burns**.

**CAUTION:** Do not pull adhesive cartridge from the rear of the applicator while in operation. Removing adhesive from the rear may cause molten adhesive to flow out the rear of the applicator which may cause burns and damage the applicator.

**CAUTION:** Avoid contact with hot adhesive and the applicator tip. **May cause burns.** Wear safety glasses and gloves when using.

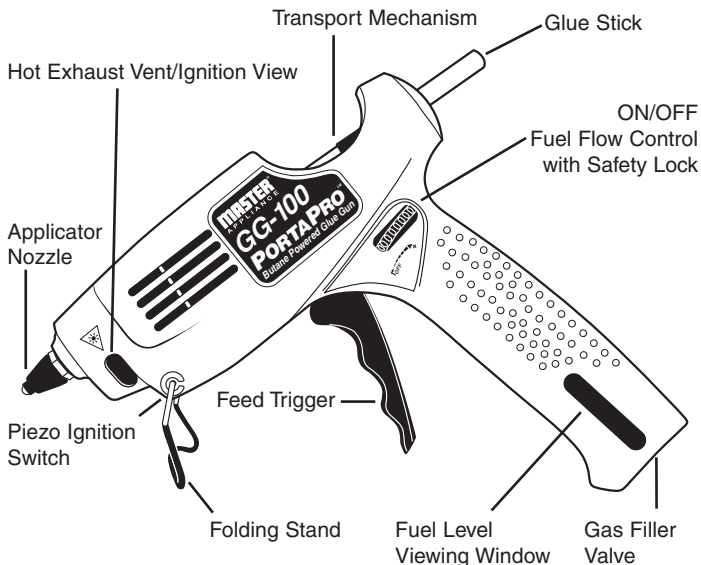
**CAUTION:** If molten material comes in contact with skin **DO NOT ATTEMPT TO REMOVE!!!** Cool glue with cool water and/or ice as quickly as possible and seek medical assistance if burn is over a large area.

**Important Notice:** User is responsible for determining whether the Master Glue Gun is fit for a particular purpose and suitable for user's method of application. Please remember that many factors can affect the use and performance of a Master Glue Gun in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental condition in which the product is expected to perform are among the many factors that can affect the use and performance of a Master Glue Gun. Given the variety of factors that can affect the use and performance of a Master Glue Gun, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the Master Glue Gun to determine whether it is fit for a particular purpose and suitable for the user's method of application.

## Description

GG-100 is a cordless, portable, butane powered hotmelt glue gun that lets you work almost anywhere. Yet has the power and durability to get the job done in industrial applications. GG-100 runs continuously for up to 140 minutes with one refill of butane gas.

This professional quality glue gun features fast, easy start up with push button piezo ignition. And reaches temperatures up to 392° in just 3 to 4 minutes. The GG-100 uses standard 1/2" (12 mm) diameter glue sticks and can deliver up to 1.9 lbs. of glue per hour.



# Important Safety Instructions

To reduce the risk of injury or property damage, READ AND UNDERSTAND the following warnings:

1. The Glue Gun contains flammable gas under pressure. Use with care.
2. Keep out of reach of children.
3. Use only Master Appliance Ultratane Butane Fuel to insure maximum safety and performance. MSDS upon request.
4. Do not fill gas, use or store near open flame, heater, furnace or combustible materials.
5. Always point away from face and body while igniting or operating.
6. The nozzle gets hot during operation. Do not touch the nozzle, melted glue or main exhaust port when hot or place them on a flammable object.
7. Hot gases are emitted from all exhaust slots. Do not leave Glue Gun unattended.
8. Wait for nozzles to cool before changing. Keep hands and combustibles from nozzle area while in use.
9. Use only glue sticks designed for use with hotmelt glue guns. Do not use liquid or paste adhesive.
10. Make sure the adjustment knob is firmly closed and the flame is completely extinguished after using.
11. To prevent fuel tank leakage, do not store in environmental area that exceeds 104°F/40°C (such as car dashboard or trunk, direct sun, glove compartment, or other enclosed, unventilated areas).
12. Use only in well-ventilated area. Continuous or extended use indoors should be done only with a local exhaust ventilation to the outside.
13. Do not expose to open flame or other sources of high temperature.
14. Always use safety glasses or goggles.
15. Do not misuse, abuse, alter or tamper.
16. Do not try to open the gas tank. Do not puncture or incinerate.
17. Do not immerse in water.
18. Under no circumstances should you attempt to repair a damaged glue gun.
19. It is your responsibility to follow your governmental regulations when disposing of this unit.

**NOTE:** For health and safety information, see product label and Material Safety Data Sheet for Master Adhesive before using.

**NOTE:** When operating in extremes of temperature (hot or cold), at high altitude, ignition may be difficult due to the variation of gas pressure caused by these extremes. Gas control settings will also be affected and will vary from those under normal conditions. If difficulties are experienced, please contact our Customer Service Department.

## Accessories Available



35408 Standard  
General Purpose Tip  
Dia. 4.47mm O.D.



35409 Needle  
Extension Tip  
7.8mm long  
Dia. 3.2mm O.D.



35410 Diagonal Cut  
Extension Tip  
8.4mm long x 45°  
Dia. 4.74mm O.D.



35411 Spreader  
Extension Tip  
7.6mm(L) x 6.6mm(W)  
0.50mm I.D. Slot

## Ultratane™ Butane

"ULTRA-REFINED" by Master...the only approved butane for Master butane powered tools.

MSDS Sheet available upon request or see our website for your convenience.

P/N 51773 - 5.125 oz.

P/N 10448 - 26gm. canisters



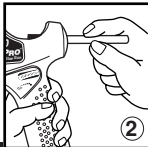
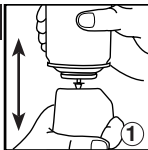
35412 - 12 general purpose glue sticks

35413 - 12 Carton Closing Glue Sticks

35414 - 12 Wood-working Glue Sticks

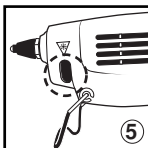
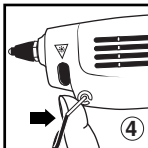
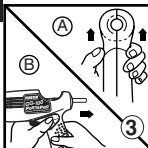
## Fill with Ultratane™ Butane

Use only Master Ultratane butane with your Glue Gun. Do not fill gas or store near open flame, heater, furnace or combustible materials. Make sure the unit is cool before re-fueling and that the switch is turned to the "OFF" position. Fill gas holding the unit firmly with the refill nozzle pointed upwards. Insert nozzle into the gas filling valve and press down. Use pumping action for best results (Fig. 1). Gas will overflow from nozzle when tank is full. After filling allow the gas to stabilize for a few minutes before lighting.



## Ignition Instructions

1. Use only 1/2" diameter glue sticks. Insert glue stick through tunnel at the back of gun (Fig.2).
2. Push the Fuel Flow Control upward (Fig.3A) and turn wheel to the right (+) enough to hear a small "Hissing" sound (Fig. 3B).
3. Push the "Ignition Switch" to ignite the flame. Hold for about 5-10 seconds before releasing (Fig. 4).
4. After igniting, the ceramic elements inside the air vent will glow "red" (Fig. 5). Tip the gun forward on folding stand under the nozzle to stand the gun. Wait for a few minutes for it to heat up and allow the glue to melt and soften.
5. To increase the fuel flow, adjust the Fuel Flow Control to the right (+) (Fig. 6)



## Adhesive Application

1. Direct nozzle tip at any clean/dry surface you wish to bond. Check for proper adhesive selection.
2. To apply melted adhesive use steady finger pressure on feed trigger. Release feed trigger to stop flow of adhesive.
3. Do not use excessive pressure on feed trigger.
4. Insert 1/2 inch glue stick into transport mechanism as needed.



## To Change Nozzle Tip

**⚠ Caution:** Allow applicator to cool to room temperature before servicing. Failure to do so **may cause burns.**

1. Remove nozzle by turning it counter-clockwise.
2. Insert new nozzle and turn clockwise. Do not overtighten.

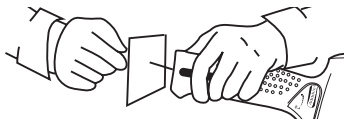
## Storage of Your PORTAPRO™ Glue Gun

1. Make sure the Fuel Flow Control is totally turned to the left side and is firmly seated in the locked OFF position (Fig.7).
2. Stand the folding base to rest the glue gun and cool the nozzle, before storing or leaving unattended (Fig 8).
3. Store in proper location avoiding elevated temperatures and away from children.
4. Leave tank approximately 1/2 full so lubrication of fuel pick-up filter remains wet.



## How to Empty Tank of Butane Gas if Needed

1. Only empty fuel tank in a well ventilated area and away from ignition sources. Remember butane is heavier than air.
2. Depress the filler valve at the back of the tank with a small bladed screwdriver and let the butane gas escape through the small orifice opening. It takes approximately one minute for the butane to escape from the tank. Be careful that the butane does not hit against your fingers or hands. This could cause frostbite of the skin.
3. One method is to poke a small bladed screwdriver through a piece of paper and then carefully depress the filler valve. The escaping gas will hit the paper and not your hand.
4. Never turn gas lever to "ON" and allow gas to evacuate through the ejector/ tip. Doing this will clog the ejector and lead to premature failure.
5. Never try to unscrew the filler valve as it is adhesively bonded to the tank. Breaking of this bond will destroy the unit, causing the tank to leak.



## Trouble Shooting

Problem	Probable cause	Solution
Does not ignite	<ol style="list-style-type: none"><li>1. Empty tank</li><li>2. Gas flow either too high or too low</li></ol>	<ol style="list-style-type: none"><li>1. Check window of tank and refill with butane fuel</li><li>2. Rotate the gas flow adjustment wheel to either increase or decrease gas flow.</li></ol>
Excessive Gas	Gas flow setting is too high	<ol style="list-style-type: none"><li>1. Adjust the gas flow adjustment knob.</li><li>2. Re-ignite the gun by gradually increasing the gas.</li></ol>
Low Gas Pressure	<ol style="list-style-type: none"><li>1. Low fuel</li><li>2. Cold fuel</li></ol>	<ol style="list-style-type: none"><li>1. Refuel with butane gas.</li><li>2. Gently shake to warm fuel up.</li></ol>
Low/No adhesive flow	<ol style="list-style-type: none"><li>1. No heat</li><li>2. Plugged tip</li><li>3. Glue gun unit not at proper operating temperature</li></ol>	<ol style="list-style-type: none"><li>1. See information above – Does not ignite.</li><li>2. In the event the applicator tip is blocking adhesive flow you may clear the tip with a small nail or paper clip.</li><li>3. Allow unit to heat up for 4 minutes after ignition. <b>Do not force adhesive.</b></li></ol>

## Specifications

Size:	8.4" (L) x 2.1" (W) x 8.0" (H)/215mm (L) x 54mm (W) x 205mm (H)
Weight:	14.8 oz. w/o gas
Operating Temp:	Approx. 392°F/200°C
Ramp Up Time:	3-4 minutes
Recommended Glue Stick:	1/2" (0.50 inch)
Glue Melt Rate:	up to 1.9 lbs. per hour
Ave. Run Time:	Approx. 140 minutes (full tank)
Recommended Fuel:	Master Ultratane Butane
Fuel Capacity:	20 ml.

Look through our comprehensive collection of power tools right away.