



J-100
SonicJet Fog Machine
User Manual



1. Introduction	1
2. Safety Information.....	1
3. Package Contents & Inspection.....	2
4. Machine Details.....	3
5. Technical Label Information	3
6. Fog Fluid	3
7. Setting and Manual Operation.....	4
8. Control Settings.....	4
9. DMX Connection	5
10. RDM Function.....	6
11. WTR-110 Wireless Remote (Optional).....	6
12. EasySwitch W-DMX Receiver (Optional).....	7
13. Service and Maintenance.....	9
14. Technical Specifications.....	9
15. Warranty Disclaimer.....	10
16. Machine Dimension.....	10
Appendix I – Grounding Instruction	11






User Manual

1. Introduction

Please read all the user manual before operating the machine, and place the manual where the user can refer to it at all time. The manual includes how to install and operate the machine under safe condition and explain all the labels printed on the machine. If you encounter any problem, contact your local Antari dealer for assistant immediately.

2. Safety Information

 DANGER	If the danger is not avoided, it will cause death or serious injury
 WARNING	If the warning is not heeded, it can cause death or serious injury.
 CAUTION	If the precaution is not taken, it may cause minor or moderate injury.



DANGER

- Must connect the machine to the correct rated voltage or it might lead to an electrical shock or a burn and may cause serious consequences.
- Must connect the machine to a protected circuit and ensure it is properly grounded to avoid the risk of electrocution. For grounding instruction, please refer to Appendix I on page 21.
- Do not operate the machine with a bundled power cord, it could lead to a fire hazard.
- When operating the machine, do not point at people, animals, or fire.



WARNING

- Machine's nozzle is extremely hot, please keep at least 1M distance from the nozzle when the machine is running.
- Please operate the machine on a flat, level hard and well-ventilated surface area, reserve at least 1M space around the machine and make sure there is no flammable gas or material nearby.
- Do not disassemble, repair or modify the machine, it may cause damages, malfunction, risk of electrical shock or result in fire.
- The machine can only be operated by adults or professionals, is not intended for use by person with reduced physical sensory, mental capabilities, or lack of experience and knowledge including children.
- Do not leave the machine running unattended, make sure all powers are off when leaving.
- Children should be supervised to ensure that they do not play with the machine.
- Do not use the machine upside down or tilt it, it might cause damages or malfunction.
- Please store the fluid inside in a well-ventilated area without direct sunlight and keep out of reach of children. In case of eye contact or accidentally swallow the fluid, please seek medical attention immediately.



CAUTION

- Please make sure the power outlet is not damaged or loose before plug in the power cord.
- If the power cord is damaged, it must be replaced by Antari or its local dealers, otherwise the warranty will be void.
- Before operating the machine, please sure the fluid is filled in the fluid tank to avoid the pump in idling state

which could lead to overheat or malfunction.

- Before transporting the machine, please make sure the fluid is drained and tank is empty. (Recommend using original package)
- Do not operate the machine in any area with unstable voltage.
- If you experience strange sound or malfunction, turn off the power and unplug the power cord immediately and contact your local Antari dealer for assistant.
- Do not contact any moving part.
- Only use accessories recommended or sold by Antari.
- Please make sure the power is off when not using the machine and unplug the power cord if not intend to use for a long period of time.
- To disconnect, turn all controls to the off position, then remove plug from outlet.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Unplug from outlet before servicing or cleaning.
- Do not operate the machine with a damaged cord or plug, or after the machine malfunctions or is dropped or damaged in any manner. Return machine to the nearest authorized service facility for examination, repair, or electrical or mechanical adjustment.
- To ensure the lifespan of the machine, please only use the fluid manufactured by Antari, do not use other fluid or additive, otherwise it may clog the heater and cause malfunction.



Housing Design According to IPX3 Level Protection

The International Protection (IP) rating system is commonly expressed as “IP” (Ingress Protection) followed by two numbers (i.e. IPX3), where the numbers define the degree of protection. The first digit (Foreign Bodies Protection) indicates the extent of protection against particles entering the fixture, and the second digit (Water Protection) indicates the extent of protection against water entering the fixture. An **IPX3** rated machine is designed and tested to be protected against spraying water (3), where water is sprayed at an angle of up to 60° from the vertical.

NOTE: THE MACHINE IS INTENDED FOR TEMPORARY OUTDOOR USE ONLY!

Before operating the machine, please read all warning labels on the machine, description as below;

Back Cover Printing

WARNING!

DISCONNECT POWER BEFORE CHANGING FUSE
USE ONLY WITH ADULT SUPERVISION
DO NOT OPERATE WITHOUT LIQUID
NO USER SERVICEABLE PARTS INSIDE

LIQUID

ONLY USE MANUFACTURER DESIGNATED FLUID

CAUTION

NEVER ADD FLAMMABLE SUBSTANCES

3. Package Contents & Inspection

3.1 Package Contents

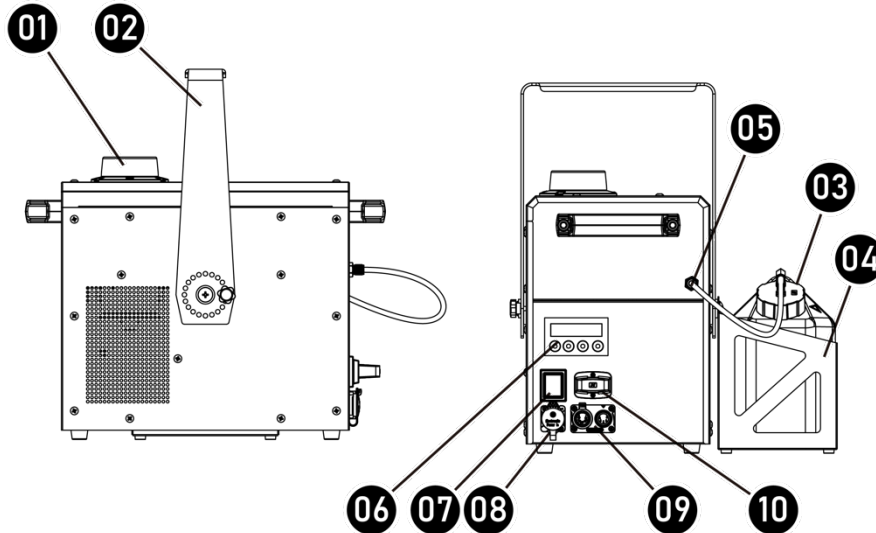
Immediately upon receiving the machine, carefully unpack the carton, check the content to ensure it is the correct model and all parts are included. If any part appears to be damaged or missing during transportation, please contact your local dealer and return in original package for inspection.

- 1 x J-100 SonicJet Fog Machine
- 1 x 2.8 Liter Fluid Tank
- 1 x Hanging Bracket
- 1 x Bottle Holder
- 1 x Power Cable with SEETRONIC IP65 Connector
- 1 x Quick Start Guide

3.2 Optional Accessories

Item Code	Description
WTR-110 Wireless Remote	W-2 Wireless Transmitter/ EasySwitch Wireless Receiver
ES-W-DMX Receiver	EasySwitch Wireless DMX Receiver

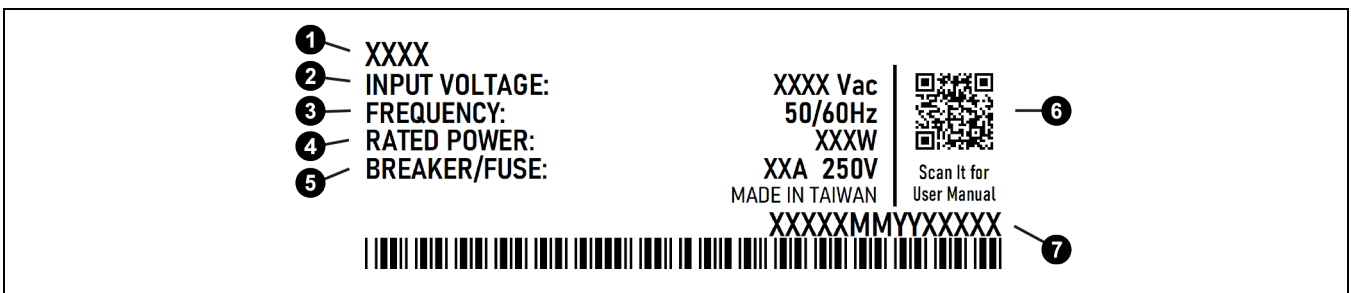
4. Machine Details



01. Fog Nozzle	06. Onboard Digital Control Interface
02. Hanging Bracket	07. Power Switch
03. 2.8 Liter Fluid Tank	08. SEETRONICS IP65 Power Connector
04. Bottle Holder	09. XLR 5-Pin IP65 DMX Connector
05. Fluid Connector	10. Expansion Socket


5. Technical Label Information

Please read the technical label information on the back of the machine before operating it.



1. Model Name	5. Breaker/Fuse
2. Input Voltage	6. QR CODE for User Manual
3. Frequency	7. Serial No.
4. Rated Power	


6. Fog Fluid

 CAUTION	Always turn off the power before filling the fluid tank. Do not add flammable liquid to the fluid tank. If fluid gets inside the machine, please contact your local Antari dealer for assistant.
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- Only the fog fluid manufactured by Antari can be used, do not mix or dilute the fog fluid. Due to improper storage or using other fluid might clog the heater and cause malfunction.
- The machine is tested and calibrated with the specific fog fluid to get the best performance.

- The warranty on your fog machine will be void if you use fog fluid not manufactured by Antari.

7. Setting and Manual Operation

	WARNING	Machine falling off might cause serious injury, please make sure it is secure and firm on the overhead.
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- Step 1.** Place the machine on a flat, level hard and well-ventilated surface area and reserve at least 1M open space around the machine, and make sure there is no flammable gas or material nearby;
- Step 2.** Fill the fluid tank with Antari approved fog fluid, and make sure the tube is not twisted;
- Step 3.** Connect the machine to the power outlet. Please read the technical label on the back of the machine and make sure the power outlet is the correspond to the rated voltage for the machine;
- Step 4.** Turn on the machine, warm up process takes approximately 8 minutes. Once the machine has reached operating temperature, the LCD display will show “Ready To Fog”. Now the machine is ready for operation;
- Step 5.** Please read “8. Control Setting” to operate the machine;
- Step 6.** To turn off the machine, please make sure the machine is not operating then turn of the power. If you will not use the machine a long period of time, please remove the power cord.

8. Control Settings







J-100 SonicJet Fog Machine can be operated in the following modes. The machine can only accept 1 type of signal at a time.

- Manual
- Timer
- DMX512
- Wireless
- W-DMX

8.1 Control Panel Description



J-100 SonicJet Fog Machine can be operated with the onboard digital control interface.

Button	Operating Method	Action
	Press	Enter menu
	Press	Up/Increase value
	Press	Down/Decrease value
	Press	Start fogging in TIMER mode according to the set time
	Press	Start fogging in VOLUME mode according to the set volume
	Press	<ol style="list-style-type: none"> 1. Leave setting menu 2. Stop fogging 3. Confirm Selection

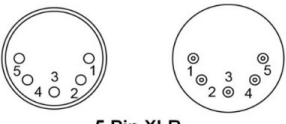
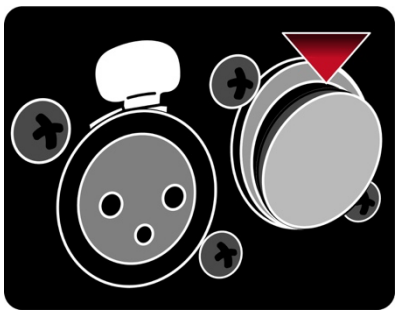
8.2 Menu Options Description

Options	Description
Timer Output 100%	Set Output Volume from 60 - 100% (Timer Mode)
Timer Interval xxx Sec	Set Interval Time from 15 - 360 sec
Timer Duration xxx Sec	Set Duration Time from 1 - 8 sec
Volume Output 100%	Set Output Volume from 60 - 100% (Volume Mode)
Fan Speed 100%	Set Fan Speed from 20 - 100%
DMX512 Add:xxx	Set DMX Address from 001-511
Wireless Function	On / Off
W-DMX	On / Off
Language	EN / 中文
BackLight	On / Auto Off
Keypad Sound	On / Off
Run Last Setting	On / Off
Reset Default	On / Off

9. DMX Connection

9.1 DMX Connector Pin Assignment

This machine has a XLR 5-Pin connector for DMX connection. The diagram below indicates pin assignment information;

 <p style="text-align: center;">5 Pin XLR</p>		<p>**There is a protection cap on DMX IN, please remove it with your finger before operation.</p> 											
<table border="1"> <thead> <tr> <th>Pin</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Ground</td> </tr> <tr> <td>2</td> <td>Data-</td> </tr> <tr> <td>3</td> <td>Data+</td> </tr> <tr> <td>4</td> <td>N/A</td> </tr> <tr> <td>5</td> <td>N/A</td> </tr> </tbody> </table>	Pin		Function	1	Ground	2	Data-	3	Data+	4	N/A	5	N/A
Pin	Function												
1	Ground												
2	Data-												
3	Data+												
4	N/A												
5	N/A												

9.2 DMX Channel Function

Mode	Function	Channel	DMX Value Range	Description
2 Channel	Fog Output	1	0 – 152	Off
			153 – 255	Fog Output 60 - 100%
	Fan Speed	2	0 – 50	Off
			51 – 255	Fan Speed 20 – 100%

Noted:

- CH1 MUST be on in order for CH2 to adjust the fan speed
- If CH1 is NOT on, fan speed will stay idle and not adjustable in CH2

10. RDM Function

The J-100 SonicJet Fog Machine is RDM enabled, allowing control system to configure, monitor and manage. See below table for supported RDM parameters

GET Allowed	SET Allowed	Category	RDM Parameter ID's	Value	Required
		Network Management	DISC UNIQUE BRANCH	0x0001	O
			DISC MUTE	0x0002	O
			DISC UN MUTE	0x0003	O
O		RDM Information	SUPPORTED PARAMETERS	0x0050	O
O		Product Information	DEVICE INFO	0x0060	O
O			PRODUCT DETAIL ID LIST	0x0070	
O			DEVICE MODEL DESCRIPTION	0x0080	
O			MANUFACTURER LABEL	0x0081	
O	O		DEVICE LABEL	0x0082	
O			LANGUAGE CAPABILITIES	0x00A0	
O	O		LANGUAGE	0x00B0	
O			SOFTWARE VERSION LABEL	0x00C0	O
O	O	DMX512 Setup	DMX PERSONALITY	0x00E0	
O			DMX PERSONALITY DESCRIPTION	0x00E1	
O	O		DMX START ADDRESS	0x00F0	O
O			SLOT INFO	0x0120	
O			SLOT DESCRIPTION	0x0121	
O			DEFAULT SLOT VALUE	0x0122	
O		Sensors	SENSOR DEFINITION	0x0200	
O	O		SENSOR VALUE	0x0201	
O		Control	DEVICE HOURS	0x0400	
O	O		IDENTIFY DEVICE	0x1000	O

11. WTR-110 Wireless Remote (Optional)

WTR-110 Wireless Remote is an optional accessory for J-100 SonicJet Fog Machine, it included a W-2 wireless transmitter and an EasySwitch Wireless Receiver. If you already purchased the wireless model, it's ready to use. If you purchase afterwards, please follow the instruction below. If you encounter any problem, please contact your local Antari dealer for assistant.

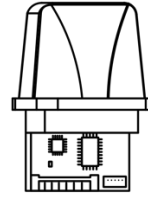
11.1 W-2 Wireless Transmitter & EasySwitch Wireless Receiver

- Battery: 27A 12V
- Effective Range: The effective range is approximately 50 meter, depends on actual condition, it may vary.
- If effective range is significantly shorter, please change battery.
- W-2 wireless transmitter has 4 buttons, each function as follow:



W-2 Wireless Transmitter

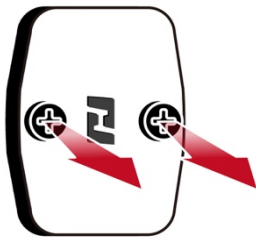
Button	Function
[A]	Start
[B]	Stop
[C]	Increase Fog Output
[D]	Decrease Fog Output



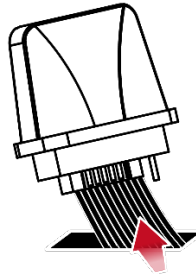
EasySwitch Wireless Receiver

11.2 EasySwitch Wireless Receiver Installation

Please follow the instructions below to install the receiver.



Graph 1



Graph 2



Graph 3

1. Please see graph 1, remove the screw from the pointed place and pull the cover;
2. You will see a white cable like graph 2, pull it out and connect to the EasySwitch wireless receiver;
3. Screw it back to the machine show in graph 3 and follow the instruction on 11.3 for pairing.

11.3 Pair & Unpair

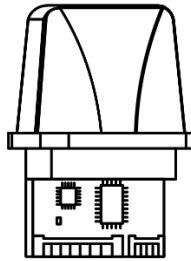
Each receiver can pair up to 5 transmitters, please follow the steps below to pair or unpair the transmitter;

- Step 1.** Press [MENU] to enter menu, select [Wireless Function], press [UP] to choose [On] to turn on Wireless Function;
 - Step 2.** Press [MENU] to enter menu, select [Wireless], press [UP] to choose [Pair] and press [STOP];
 - Step 3.** When screen show Press [A], then press [A] on the W-2 wireless transmitter to pair;
 - Step 4.** When screen show [Pair Completed], then it's successful;
 - Step 5.** If you want to pair multiple transmitters, repeat Step 1 – 4;
 - Step 6.** To unpair, press [MENU] to enter menu, select [Wireless], press [UP] to choose [Unpair] and press [STOP];
 - Step 7.** When screen show [Unpair Completed], then it's successful
- Note:** Wireless function will ONLY appear in the menu when you connect the EasySwitch Wireless Receiver to the machine and screen will show [W]

12. EasySwitch W-DMX Receiver (Optional)

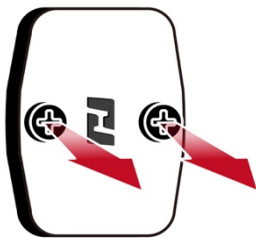
EasySwitch W-DMX Receiver is an optional accessory for J-100 SonicJet Fog Machine, it included a EasySwitch W-DMX receiver. If you already purchased the W-DMX model, it's ready to use. If you purchase afterwards, please follow the instruction below. If you encounter any problem, please contact your local Antari dealer for assistant.

12.1 EasySwitch W-DMX Receiver

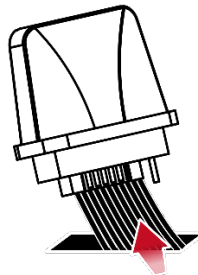


12.2 EasySwitch W-DMX Receiver Installation

Please follow the instructions below to install the receiver.



Graph 1



Graph 2



Graph 3

1. Please see graph 1, remove the screw from the pointed place and pull the cover;
2. You will see a white cable like graph 2, pull it out and connect to the EasySwitch wireless receiver;
3. Screw it back to the machine like graph 3 and follow the instruction on 12.3 for pairing.

12.3 Pair & Unpair

Please follow the steps below to link or unlink W-DMX signal;

Step 1. Press [MENU] to enter the menu, select [W-DMX] and Press [UP] to choose [On] to turn on W-DMX function, and you can see status on the screen

Step 2. It will automatically search for signal and pair;

Step 3. To unpair, press [MENU] to enter the menu, select [W-DMX Unpair] and press [UP] to choose [Yes], then press [STOP] to proceed;


Step 4. When show [Unpair Completed], it's successful

Note: W-DMX function will ONLY appear in the menu when you connect the EasySwitch W-DMX Receiver to the machine and screen will show [W]

12.4 Status of W-DMX

Signal on LCD Display	Wireless DMX Status
○	Transmitter not assigned
◉	Transmitter assigned, no DMX signal
◐	Transmitter link lost or linking to transmitter
●	Transmitter assigned, DMX signal received

13. Service and Maintenance

 DANGER	Disconnect the power cord before starting maintenance operation
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- Always keep the machine clean.
- Cleaning and maintenance shall not be made by children without supervision.
- Can use air compressor, vacuum or a soft brush to remove the dust on the machine.
- Can use a slightly damp cloth to clean the casing.
- Before store the machine, please make sure the machine is completely cool down to avoid moisture inside causing malfunction.
- It is recommended to run the machine at least once a month in order to maintain the machine's best performance and output condition.
- Excessive dust and build up liquid residue will reduce the performance and cause overheat.

13.1 Breaker Reset

Please follow the instructions below to reset the breaker;

Step 1. Disconnect AC power

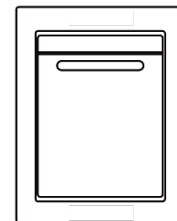
Step 2. Reset the breaker

Step 3. Turn on machine for testing

**If the breaker still jumps off after reset, please contact your local Antari dealer for assistance.

Breaker Specification

15A 250V



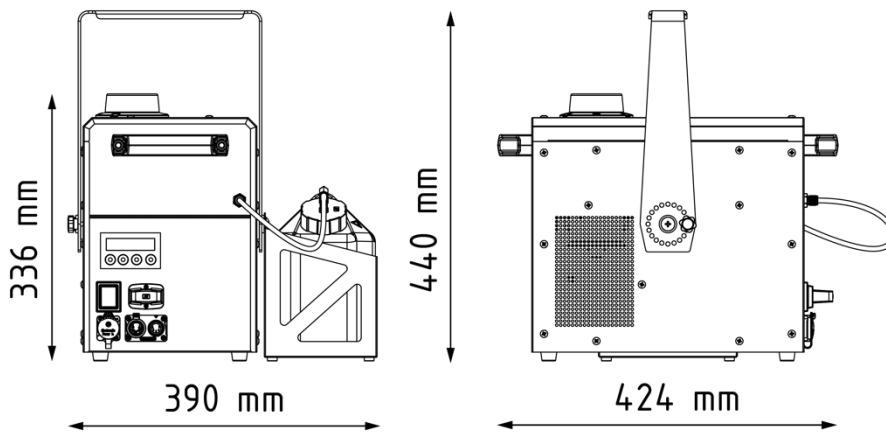
14. Technical Specifications

	J-100
Input Voltage	EU Model: AC 220-240V, 50/60Hz 11.5A
Rated Power	2400W
Warming-up Time	8 minutes (approx.)
Fluid Consumption	250 ml/min (100% output)
Fluid Tank Capacity	2.8 Liters (0.74 Gallon)
Compatible Fluid	FLK High Density Fast Dissipating Fog Fluid
Ambient Temp. Range	0°C – 40°C (32°F – 104°F)
Control Methods	Manual, Timer, DMX512, Wireless (Optional), W-DMX (Optional)
Interface	SEETRONIC IP65 XLR 5-Pin Connector (DMX), SEETRONIC IP65 Connector (Power)
DMX Channels	2 Channel
Included Accessories	Hanging Bracket, Bottle Holder
Optional Accessories	WTR-110 Wireless Remote, ES-W-DMX Receiver
Dimension	L 424 W 390 H 440 mm (L 16.69 W 15.35 H 17.32 inch)
Weight	18.7 kg (41.23 lbs.)

15. Warranty Disclaimer

We guarantee the merchandise manufactured by us to be free from defect in material and workmanship for a period of one year. Our obligation and liability under this warranty shall be restricted to repair or replacement at our factory or local authorized dealer. We assume no liability of the products that are improperly used or used for any purpose other than that for which they are specially designed. This warranty shall not apply to any merchandise which has been repaired, altered or assembled outside our factory in any way so as in our judgment to affect its performance, nor which has been subjected to misuse, negligence, or accident nor to any merchandise operated contrary to our printed instructions. We will not allow or be liable of any loss or any damages of any kind in connection with the use, sale, or repair of any merchandise purchased from us.

16. Machine Dimension



Appendix I – Grounding Instruction

This appliance must be grounded. In the event of malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

DANGER – Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal. Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

This appliance is for use on a nominal 120V circuit, and has a grounding plug that looks like the plug illustrated in sketch A in Figure. A temporary adaptor, which looks like the adaptor illustrated in sketches B and C, may be used to connect this plug to a 2-pole receptacle as shown in sketch B if a properly grounded outlet is not available. The temporary adaptor should be used only until a properly grounded outlet can be installed by a qualified electrician. The green colored rigid ear, lug, and the like, extending from the adaptor must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adaptor is used, it must be held in place by the metal screw.

