Operation Manual



Product Holding Bin

DHB-BK Series (with Prince Castle Button Bar)



LIMITED WARRANTY

This product is warranted to be free from defects in material and /or workmanship for a period of 2 years from date of original installation, not to exceed 30 months from the date of manufacture.

Any component which proves to be faulty in material and/or workmanship will be replaced or repaired (at the option of Prince Castle, Inc.) without cost to the customer for parts and labor. This warranty covers on location service (i.e. trip charges and or mileage). Travel mileage is limited to 100 miles (200 Kilometers) round trip (one trip warranty) from an authorized service agency or its sub-service agency.

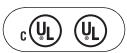
This warranty is subject to the following exceptions/conditions:

- · Use of any non-genuine Prince Castle parts voids this warranty.
- · All labor to be performed during regular work hours. Overtime premium (the incremental amount) will be charged to the customer.
- Damage caused by carelessness, neglect and/or abuse (e.g., dropping, tampering or altering parts, equipment damaged in shipment, by fire, flood or an act of God) is not covered under this warranty.
- All problems due to operation at voltages other than that specified on equipment nameplates are not covered by this warranty. Conversion to correct voltage is the customer's responsibility.
- This equipment must be serviced by Prince Castle Authorized Service Agency or a Prince Castle Service Technician during the warranty

Note: When connected to the Kitchen Minder, the Transfer and Daypart functions are disabled on the button bar.

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Safety Information

WARNING

Indicates information important to the proper operation of the unit. Failure to observe may result in damage to the equipment and/or severe bodily injury or death.



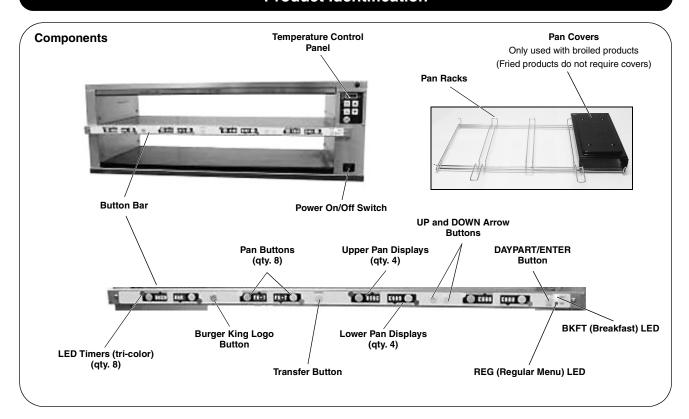
A CAUTION

Indicates information important to the operation of the unit. Failure to observe may result in damage to the equipment.

Electrical Specifications

Model No.	Volts	Watts	Amps	Hz
DHB-BK1C	208 – 240	2500	8.7 – 10.5	50/60
DHB-BK3C	208 – 240	2500	8.7 – 10.5	50/60
DHB-BK5C	220 – 240	2300	10.0	50/60
DHB-BK7C	220 - 240	2300	10.0	50/60

Product Identification



Important

Prince Castle reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.



Installation

Remove the unit from the carton and inspect for signs of damage. If there is damage to the unit:

- · notify the carrier within 24 hours of delivery
- save carton and packaging materials for inspection purposes
- contact your local dealer, or if purchased directly, the Prince Castle Sales Department at 800-722-7853 or 1-630-462-8800 to arrange for a replacement unit.

Verify that the following parts have been received.

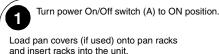
• 1 pan cover kit

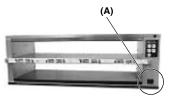
NOTE: When installing this unit, the ambient temperature at the mounting site should not exceed 100°F.

Plug the power cord into the proper electrical receptacle. All electrical connections must be in accordance with local electrical codes and any other applicable codes.

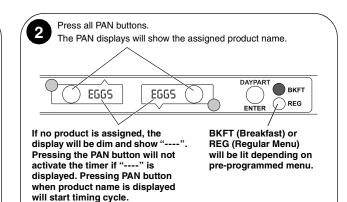
If the unit is to be networked with other Prince Castle units, refer to the CastleNet[®] Communication Network section in this manual for installation instructions.

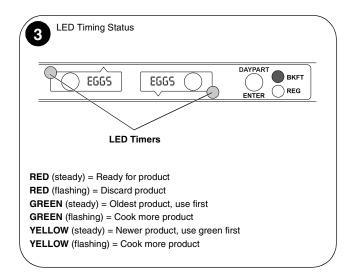
Operation

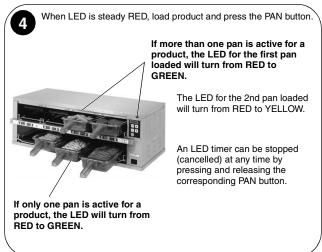




Allow 20 minutes for heaters to reach operating temperature. The Temperature Display will read "----" until unit is warmed up, then display will show preprogrammed operating temperature.









Operation (continued)



When any of the timer LEDs flash, cook more product or remove and discard product as indicated.



GREEN (flashing) = Cook more product YELLOW (flashing) = Cook more product RED (flashing) = Discard product



. . .



Product, along with any remaining time, can be transferred from one cavity to another as follows:

- Press and release the TRANSFER button. All displays will flash between bright and dim.
- C. Press and release the TRANSFER button again.



- B. Press and release the PAN button of the product to be moved. All displays except this one will stop flashing.
- D. Move the product. Press and release the PAN button for the new location. The new location will finish timing the product. When the transferred pan timing expires, location will revert to original menu setting.

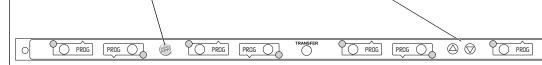
NOTE: If product transfer is not completed within a pre-programmed transfer time, the transfer will be cancelled. See your Manager.



To change a menu selection for a specific pan cavity, use the following steps:

- A. Press and hold the BURGER KING LOGO button for 6 seconds. All PAN displays will show "PROG". All LED Timers will be RED.
- Press the UP or DOWN Arrow button to scroll to the desired menu item.
- E. Press the DAYPART/ENTER button to select the menu item.

PROG O

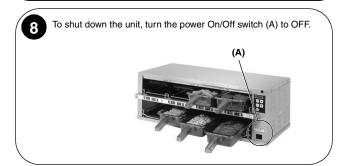


- B. Press and hold the DAYPART/ENTER button. The display next to the DAYPART/ENTER button will display the menu choices. While holding the DAYPART/ENTER button, press the UP or DOWN Arrow button to scroll through the menu choices.
- C. Press a PAN button to change the menu. The LED Timer will change to YELLOW and the display will change from "PROG" to the assigned menu item.
- F. Repeat steps A E as required for other PAN displays. Press the BURGER KING LOGO button to exit the Program Mode.

NOTE: Up to six menu items may be programmed for each PAN button. In addition, a pan may be set as "not used" by assigning "----" as its product.



Operation (continued)



Cleaning



WARNING

Before performing any maintenance, turn the power switch to the OFF position and unplug the power cord from the electrical receptacle.



CAUTION

This unit is not watertight. Do not clean with a water jet/jet spray. Do not immerse the unit in water.

- 1. Turn the unit off and unplug the power cord from the electrical receptacle.
- 2. Remove the pan covers and pan racks. Wipe all parts and unit with a damp cloth. DO NOT use a green Scotch Bright pad cleaner, ice

Setting the Temperature



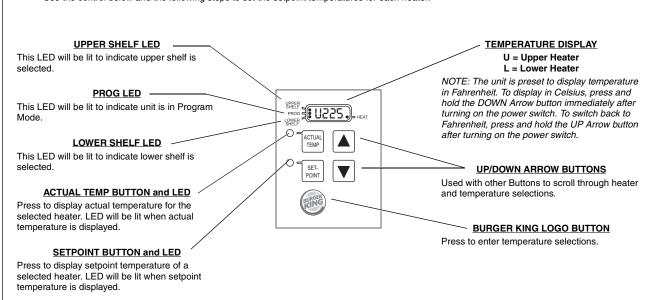
The unit has two shelves, each with an upper and lower heater (four heaters total).

The factory pre-set for the two upper heaters is 225°F.

The factory pre-set for the two lower heaters is 195°F.

Each heater has a programmable range of 150° - 275°F.

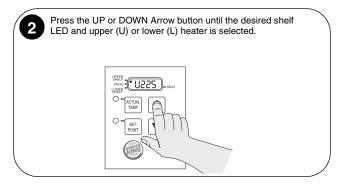
Use the control below and the following steps to set the setpoint temperatures for each heater.

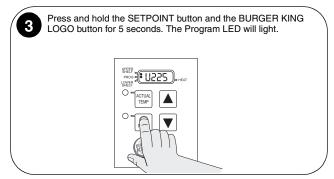


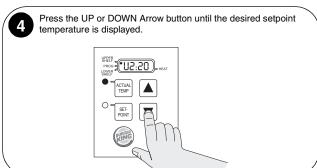
NOTE: To reset all times and temperatures to the factory settings, turn the unit off, then press and hold the UP and DOWN Arrow buttons simultaneously while turning the unit back on. A "P" will appear in the display and all times and temperatures will be reset to original factory settings.

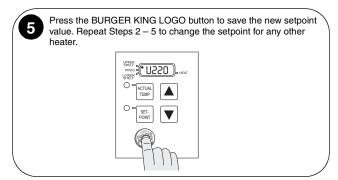


Setting the Temperature (continued)

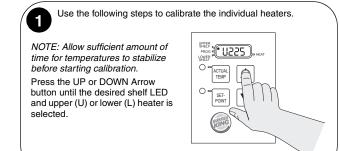


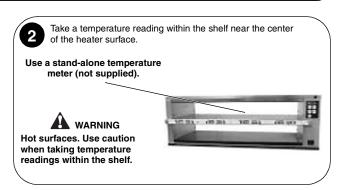


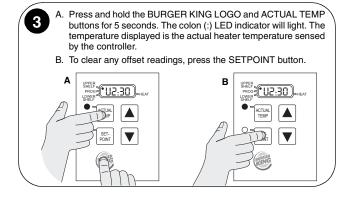


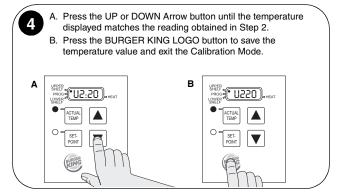


Calibrating Heaters



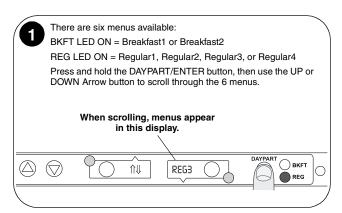


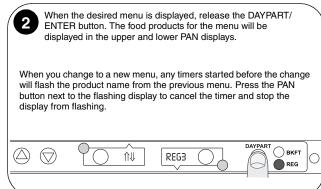




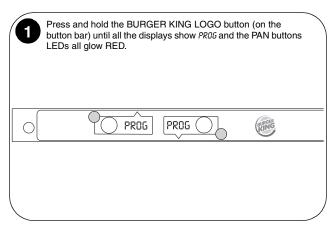


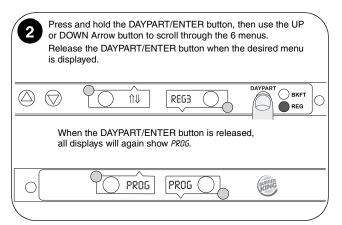
Selecting Breakfast and Regular Menus

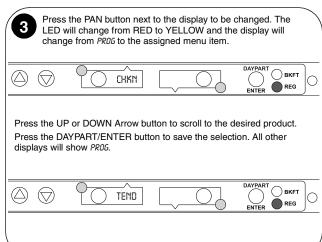


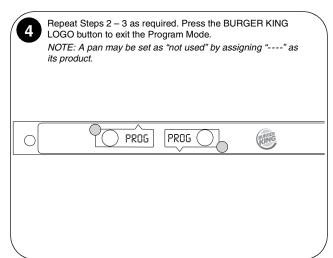


Programming the Menus



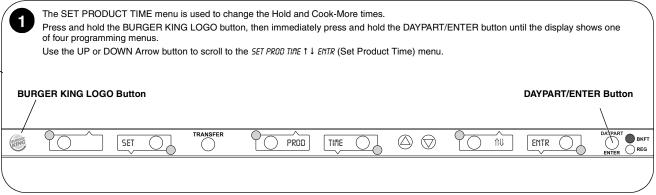


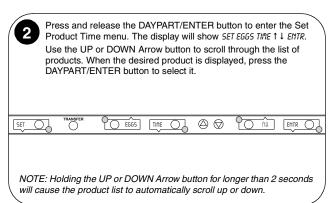


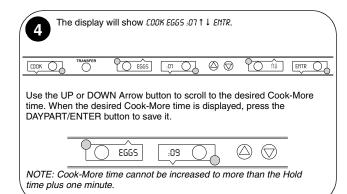


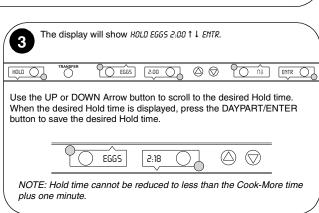


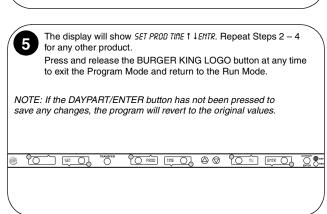
Changing the Hold and Cook-More Times





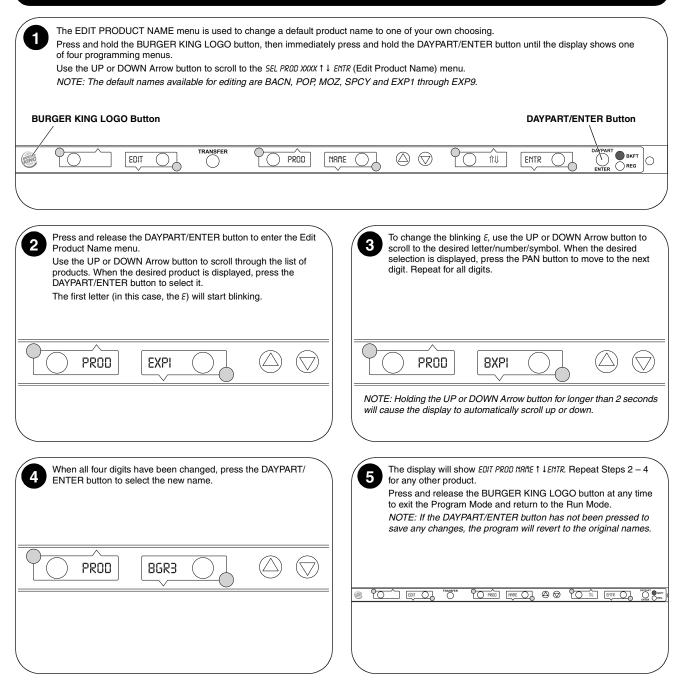








Changing Product Names





CastleNet® Communications Network

The Prince Castle DHB-BK1PC, DHB-BK3PC Bins, Retro Bun Timer and New Bun Cabinet Timers can be inter-connected to form the CastleNet® Communication Network. The network can be used for data transfer between bins and timers for menu updates or to transfer product Hold time from bin-to-bin.

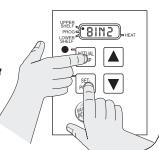
Each bin is supplied with a standard 25' cable and allows units to be "daisy-chained" together to form the network. Extender cables are available (refer to Parts List on page 13).

The factory default address for all bins and timers is address 2.

The factory default address for the Retro Bun Timer is BUNF.

To check the bin address, press and hold the ACTUAL TEMP and SETPOINT buttons. The display will show the bin address. Default for a new address is BINZ.

EXAMPLE: If a location has three bins, the bins and timers must be set to address 1 through 3. See the following steps.

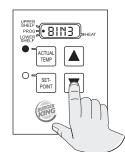


4 Use the UP or DOWN Arrow button to scroll to the desired address. Press the BURGER KING LOGO button to store the new address.

Available addresses are:

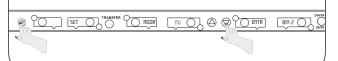
 $\mathit{BIN1}$ thru $\mathit{BIN9},\,\mathit{BINR},\,\mathit{BINB},\,\mathit{BINC},\,\mathit{BIND},\,\mathit{BINE}$ and $\mathit{BINE}.$

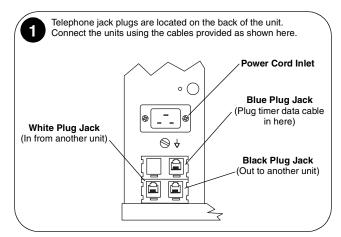
IMPORTANT: A timer address must match the corresponding bin address. For example, if the bin address is BIN3, the timer address must also be BIN3. Continue to Step 5 to check the timer address. Two timers mounted on separate bins cannot have the same address.

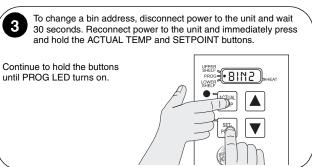


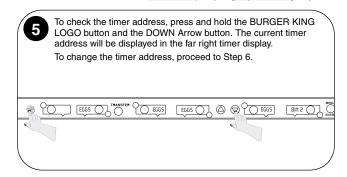
To change the timer address, disconnect power to the unit and wait 30 seconds. Reconnect power to the unit and immediately press and hold the BUGER KING LOGO button and the DOWN Arrow button until the display shows SET RDDR 1 1 ENTR BINZ.

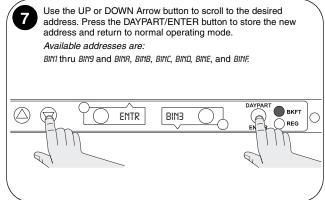
The address number will blink on/off.













Factory Presets

	Pro		
Product	Display Name	Hold Minutes ¹	Cook-More Minutes ¹
Eggs	EGGS	120	7
Biscuits	BISC	60	17
Sausage	SAUS	60	1
French Toast	FR-T	30	2
Ham	HAM	120	2
Fish	FISH	45	5
Chicken Crisp	CRSP	45	3
Chick Patty	CHKN	45	3
Chicken Tenders	TEND	30	3
Burgers	BURG	60	3
Whoppers	WHPR	45	3
BK Broiler	-BK-	60	6
Bacon	BACN ₂	120	2
Poppers	POP ₂	30	2
Mozzarella Stick	MOZ ₂	30	2
Spicy Chicken Wings	SPCY ₂	60	3
Experimental #1	EXP1 ₂	60	2
Experimental #2	EXP2 ₂	60	2
Experimental #3	EXP3 ₂	60	2
Experimental #4	EXP4 ₂	60	2
Experimental #5	EXP5 ₂	60	2
Experimental #6	EXP6 ₂	60	2
Experimental #7	EXP7 ₂	60	2
Experimental #8	EXP8 ₂	60	2
Experimental #9	EXP9 ₂	60	2

^{1.} Hold and Cook-More times may be re-programmed. See page 8.

^{2.} Product abbreviations BACN through EXP9 may be reprogrammed. See page 9.

Menus									
Timer 8	Timer 7	Timer 6	Timer 5	Timer 4	Timer 3	Timer 2	Timer 1	Menu	Indicator
BACN	HAM	FR-T	SAUS	BISC	EGGS	EGGS	EGGS	MNU1	Bkft
WHPR	WHPR	WHPR	WHPR	BURG	BURG	BURG	BURG	MNU2	Reg
TEND	TEND	CHKN	CHKN	CRSP	CRSP	FISH	FISH	MNU3	Reg
WHPR	WHPR	WHPR	WHPR	BURG	BURG	BURG	BURG	MNU4	Reg
SPCY	SPCY	MOZ	MOZ	POP	POP	-BK-	-BK-	MNU5	Reg
BACN	HAM	FR-T	SAUS	BISC	EGGS	EGGS	EGGS	MNU6	Bkft

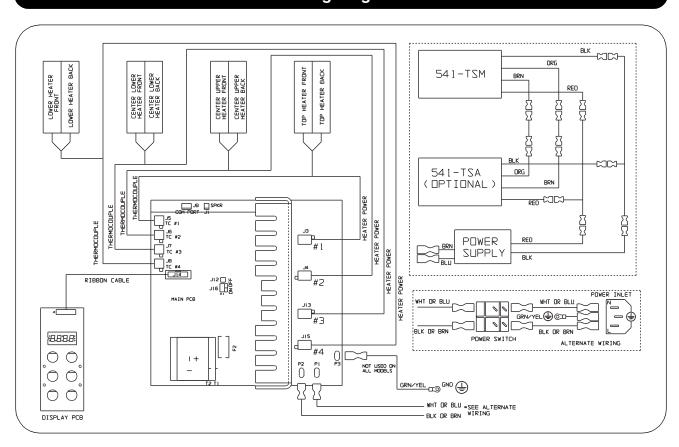
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Troubleshooting

PROBLEM	PROBABLE CAUSE	SOLUTION
Display flashes OPN and REL.	Open relay. Circuit inoperable.	Replace power circuit board.
Display flashes 5HR and REL.	Shorted relay. Circuit inoperable. Open heater. Unplugged ribbon cable between power and main circuit boards.	Replace power circuit board. Test heater resistance (150.2 Ohms). Replace heater if necessary. Verify ribbon cable connection.
Display flashes oppl and REL.	Temperature is below 75°F. Heater inoperable. Probe inoperable. Relay inoperable.	Normal display during warmup. Test heater resistance (150.2 Ohms). Check for open thermocouple wires from probe. Replace heater/probe assembly. Replace power circuit board.
Display shows HHH for an extended period of time and heater surface temperature is hot.	Temperature is above 300°F (abnormal operation).	Diagnostic circuit inoperable. Replace power circuit board.
Display shows ### for an extended period of time and heater surface temperature is cool.	Probe is inoperable.	Check for pinched thermocouple wires from probe. Replace heater/ probe assembly.

Wiring Diagram





Exploded View and Parts List

