

Lucky Dog 7

Mobile Gaming Platform



Basic Operation Guide



Introduction

Thank you for acquiring the latest addition to the Bettina Corp dba blue dog inc® line of gaming devices—the Lucky Dog 7. Featuring a slim yet robust enclosure, the 2 lb Lucky Dog 7 with 7.0" Hi-Brite TFT LCD display is powered by the Intel® PXA270 520Mhz processor, offering optimal combinations of performance and power savings. An external battery expansion option provides approximately 6-8 hours of additional battery operation for up to twelve hours of mobile usage.

The Lucky Dog 7 is available in Windows® CE Core operating system and a CE Pro operating system (Special Order) plus a Linux Operating System being available soon. Each software operating system features client/server computing software, accessories, and applications support.

Package Contents

MAIN PACKAGE

- Lucky Dog 7 (Internal Battery Pack built-in)
- AC-DC Power Adapter with Power Cord (Only if required or Special Order)
- Basic Operation Guide (CD or Printed)
- Built-in, easy to use stand
- Major options, depending on configuration:
 - External Battery Pack (Easy On, Easy Off)
 - External Battery Pack Charger for External Battery Packs

ACCOMPANING PACKAGE

- Lucky Dog 7 Charging and Loading Crate/Rack
- The Charging and Loading Crate/Rack will hold and charge up to 20 Lucky Dog 7 Units
- There will be one (1) Full Rack or multiple mini-Racks accompanying every 20 Lucky Dog 7 Units

The Lucky Dog 7

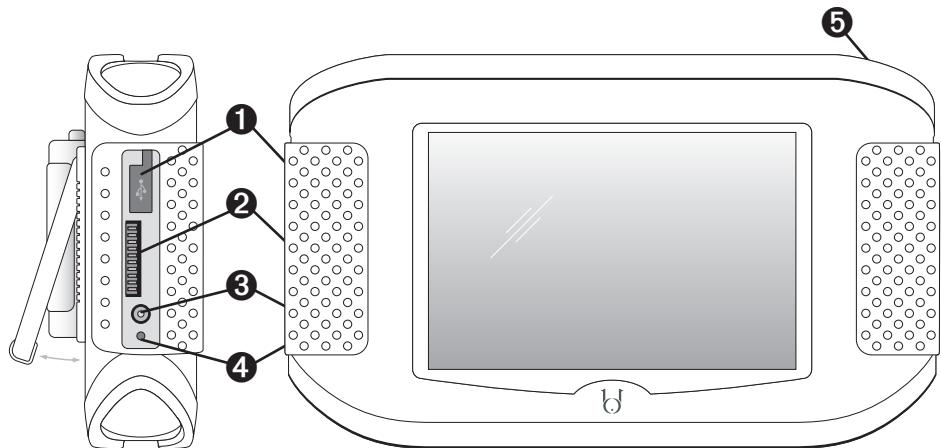
Basic Features

The Lucky Dog 7 wireless tablet integrates a bright and responsive touch display, a USB port, and embedded networking elements such as wireless LAN. The primary device is complemented by a suite of accessories, including battery expansion, External Battery Pack Charging and Docking cradles/racks with AC/DC Adapter and Power Cord, and a 20-Unit Charging and Loading Rack for a comprehensive user experience.

A Lucky Dog 7 typically integrates an 802.11b/g wireless LAN (WLAN) adapter that may connect to other wireless devices or access points. If your Lucky Dog 7 does not come with such a network adapter, please consult your device provider to establish the desired network connectivity.

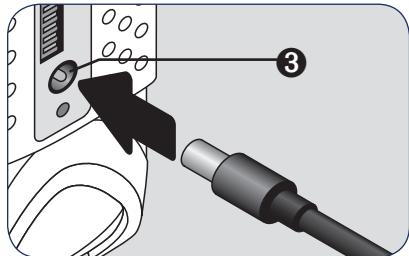
Precautions

- Always exercise care when operating and handling the Lucky Dog 7.
- Do NOT apply excessive pressure to the display screen.
- Avoid touching the display screen with any hard or sharp objects. You may damage the screen.
- Avoid prolonged exposure of the display panel to direct sunlight or other heat sources. Wherever possible, the Lucky Dog 7 should face away from direct light to reduce glare.
- Avoid any exposure to prolonged heat over 95° F (35° C) and any cold temperature below 32° F (0° C). Always store the units in a climate-controlled environment.
- If the AC-DC power adapter is used to recharge or power the device, do NOT use any AC-DC adapter other than the one provided with the device or acquired from the manufacturer or its partners.
- In the unlikely event that smoke, abnormal noise, or strange odor is present, immediately power the Lucky Dog 7 off and disconnect all power sources. Report the problem to your device provider immediately.
- Never attempt to disassemble the Lucky Dog 7, as this will void the warranty and could possibly cause harm or injury.

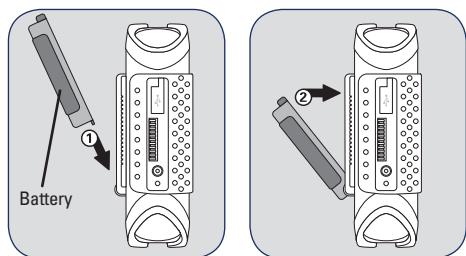


① USB Receptacle	Used for programming, updating and troubleshooting only. Not to be used by customers/players.
② Connector	Used only for connecting the unit to the LD 7 Charging Rack when the unit is placed into the Rack. This connector provides the ability to do charging and networking with the unit while in the Rack.
③ AC/DC Adapter Plug	Used only for connecting the AC/DC Adapter (when provided) to the unit outside of the Charging Rack. This provides the capability to charge the unit when a Rack is not available. Warning: Only the AC/DC Adapter provided can be used for this purpose. Using any other adapter can cause serious damage to the unit and the components within.
④ Power Switch ON/OFF (Recessed)	Push/Release turns the unit on. Push and hold (over 2 seconds) invokes hardware shutdown. A stylist or ball point pen should be used to push the switch.
⑤ Headphone Plug with Rubber Flap Cover	Can be used by the customer to plug in head phones (not provided). The Rubber Flap should always be used to cover the socket when headphones are not being used to prevent foreign objects from getting into the plug.

Connecting AC Adapter



Attaching the External Battery Pack



Operation

External Battery Pack

To prevent battery drain during shipping and extended storage, the External Battery should be removed from the Lucky Dog 7 before shipping. The External Battery should also be removed from the unit during extended storage over three days without being used.

Powering ON and OFF

To activate the Lucky Dog 7, push and quickly release the recessed Power ON/OFF Switch on the bottom left side of the unit. A stylist or ball point pen can be used for this purpose. The display will come on in a few seconds. To turn the Lucky Dog 7 off for extended storage, power off the device safely using any software function that "shuts down computer" provided in the software operating system. Do not use the on/off switch to turn off the unit without powering off.

CAUTION

Risk of explosion if battery is replaced with incorrect type. Dispose of used batteries according to the instructions. When the external battery pack is removed, the rear cover must be put on.

NOTE: The battery packs shipped with your device may be low in power—please use the AC-DC adapter with the Lucky Dog 7 (if ordered) or the Lucky Dog 7 Charging and Loading Rack when setting up the device for the first time to fully charge the internal battery pack before the unit is turned on for the first time. You may charge the external battery pack while it is attached to the Lucky Dog 7, or with the optional external battery pack charger.

NOTE: Avoid using the Power ON/OFF Switch ("hold over 2 seconds" feature) to turn off the device—this form of hardware shutdown is intended to be a means of recovery from device lockups, and not as normal operation.

Start Up

If the power up is successful, the appropriate interface will be displayed after a launch sequence of several seconds. The wireless LAN connection may take 10-15 seconds more to be established.

Configuring the Lucky Dog 7

The device may be configured using the utilities and methods dictated by the software operating system. The Lucky Dog 7 should be configurable for various properties such as games, user profiles, network features, and several system elements.

Calibration

The touch display for the Lucky Dog 7 is calibrated before shipping. In the event that the calibration has been modified or is unsatisfactory, the respective calibration routines to calibrate the touch interface may be used. Such applications are typically executed through touch input or through mouse click via a USB mouse.

Wireless Networking

WIRELESS LAN

The Lucky Dog 7 is often delivered with an embedded (user-inaccessible) 802.11b/g WLAN adapter equipped with a hidden custom antenna.

Through the support of typical WLAN adapters, the Lucky Dog 7 should be able to detect all 802.11 access points in the vicinity for you to select the access point of your choice for connection.

The SSID and WEP (if enabled) parameters on the Lucky Dog 7 and the access points have to match. The SSID is case-sensitive and it is recommended that you enable WEP encryption (or advanced alternatives) for secure access.

When WEP is enabled, you may need to consult your network administrator or your networking equipment literature to properly configure associated settings such as Authentication mode, etc.

Refer to the access point operating manuals for setting up the 802.11 access points.

Brightness Control

For Windows CE, authorized personnel can select the Brightness (Display) icon. The user cannot adjust the LCD brightness.

Battery and Power Management

The Lucky Dog 7 is equipped with an internal Lithium-Ion battery pack that is capable of supporting approximately 3-4 hours of continuous operation. The period of continuous operation can be extended by approximately 7-8 hours with the external battery pack that clips (hot-swappable) onto the back of the device. Depending on the operating software, the Lucky Dog 7 may also be configured to enter various power-saving modes through timed entry by authorized personnel.

Using the Lucky Dog 7

Memory Configuration

The Lucky Dog 7 will be available in various memory configurations. They are currently configured with: 128 MB SDRAM.

Peripherals Support

Through its USB ports, the Lucky Dog 7 supports a wide range of USB-based peripherals. These peripherals are applicable for software installation, applications storage, data storage, and system software recovery and updates. This feature can only be accessed and used by authorized personnel with the proper pass code and authorization. The Lucky Dog 7 is also compatible with a custom Charging and Loading Rack. These stackable, securable and mountable Crates provide an interface to shelves and to ports that include Ethernet and pass-through power.

Remote Management

Depending on software configuration, the Lucky Dog 7 can be centrally managed for asset monitoring and for software control. Please consult your device provider.

Moving the Unit

The Lucky Dog 7 is specifically designed to be conveniently stacked one on top of the other to move several units at one time from one place to another.

NOTE: Do not stack more than five units one on top of the other at one time. The external case could be broken causing non-repairable damage to the internal parts if more than five units are stacked at one time.

NOTE: DO NOT STACK the Lucky Dog 7 units WITH THE EXTERNAL BATTERY PACK ATTACHED. This action may crack and ruin the LCD screen and cause major internal damage.

Upright Stability

The built-in stand allows the unit to set upright during usage. For maximum stability, fully extend the stand until it clicks into the locked position, and only set the unit on a flat, level surface.

Storing the Unit

The Lucky Dog 7 unit should always be stored in the pigeon hole slots molded into the Charging and Loading Rack provided with every 20 Lucky Dog 7 units. This specially designed Rack provides the appropriate electrical power to recharge both the internal and external battery packs. The Rack also provides customized easy connect switches internally to provide Networking and Charging capabilities.

When sliding the unit into the Rack, insure the arrow on top of the unit is showing and insert the unit into the rack in the direction the arrow is pointing. This arrow directs the user exactly how the unit is placed into the Charging Rack. The arrow should be on top and the unit should be inserted in the direction of the arrow.

The arrow is only shown on the top of the Lucky Dog 7 to prevent the unit from being accidentally slotted up-side-down. When the unit is pushed into the slot, it must be pushed firmly (but not slammed) in the slot so the unit connects to the switch on the back side of the Rack. The operator will hear and feel a firm click when the unit is seated properly.

Charging the Unit

The Lucky Dog 7 can be charged while correctly seated in one of the 20 slots in the Charging and Loading Rack or when it is connected to the proper AC/DC adapter when provided. The External Battery Pack can be charged while attached to the unit by either method. When the charging rack is plugged into power and the units are seated in the slots, the units will automatically start charging. You can see if the units are charging by observing the LED's on the side of the unit. See LED Code Index.

The Charging and Loading Rack must be plugged into a 20 Amp 115-120 volt circuit. Two Crates/Racks can be powered by the same circuit. If any more than two (2) Charging and Loading Racks are plugged into one circuit, the circuit breaker may trip or the circuit may become very warm. If this is done, the warranty is void.

AC/DC Adapter with Power Cord

The unit can be charged with the AC/DC Adapter provided. Simply plug the power cord into a wall plug. Plug the unit specific connector from the AC/DC Adapter into the unit as shown. The unit internal and external battery pack will begin the charging cycle and can be monitored via the LED lights.

External Battery Pack Charger for External Battery Packs

The external battery packs can be charged separately from the unit with the Optional External Battery Pack Charger. The Charger will charge up to 10 units at the same time. Simply plug the Charger's power cord provided into a wall plug. Plug the unit specific connector from AC/DC Adapter into the Charger. The unit external battery pack will begin the charging cycle and can be monitored via the LED lights on the outside of the external battery pack charger.

Loading the Unit from a Point of Sale

Blue Dog's new Charging and Loading Rack system allows the new LD 7 units to be sold from within the charging rack. Once the units are cataloged in your system the Point of Sale will load the next available unit for play. The cashier will know which rack to pull from and each device sold will display a visual aid to help validate the unit sold.

LED Code Index

LED 1 (TOP)

Color: Green/Red. Function: Battery Charging

Red	External Charging
Green	External fully charged

LED 2

Color: Green/Red. Function: Battery Charging

Red	Internal Charging
Green	Internal fully charged

LED 3 (MIDDLE)

Color: Green/Red. Function: AC Charging

Red	External Charging
Green	External fully charged

LED 4

Color: Green/Red. Function: AC Charging

Red	Internal Charging
Green	Internal fully charged

LED 5 (BOTTOM)

Color: Green. Function: Device Power On

CAUTION

Power supplies can be installed or removed from the Charging and Loading Rack (BNG-07-RACK.) **Before replacing a failed power supply you must**, 1) identify the power supply that has failed, and 2) remove the power cable from the power supply connector at the rear of unit.



Specifications

Display	7" Hi-Brite TFT LCD
Display Resolution	800 x 480 (SVGA)
Processor	Intel® PXA270 (520) Mhz
Touch Panel	4 wire resistive touch.
Memory (RAM)	128MB- SDRAM
Operating Systems	Windows® CE; Linux Option Available Soon
Storage	Internal Compact Flash Slot
Audio System	AC '97 link audio system
Wireless Interface	Internal 802.11b/g
Network Interface	Integrated Onboard LAN
Application Buttons	Sink type Power SW
Input/Output Ports	12V DC-in Jack; Headset jack; USB 1.1 Port (will be 19V)
AC/DC adapter	Input: 100-240VAC, 1.5A; Output: 19VDC, 3.16A
Power Cords	North America, EU, UK
Battery Packs (Lithium-Ion)	Internal 3 Cell Optional external 6 Cell
Dimensions (H x W x D)	6.25 x 10.25 x 1.00 (in); 159 x 260 x 26 (mm) without External Battery
Base Weight	2.0 lbs (0.91 kg) without External Battery 2.7 lbs (1.23 kg) with External Battery
Certification	CE, FCC Class B, VCCI Class A, UL, RoHS compliant
Operating Temperature	0°-40°C
Operating Humidity	20% – 80% non-condensing

CAUTION: Do not stack or ship with external battery attached.

NOTICE: The functions available on your Lucky Dog 7 may vary in different regions. Please contact your blue dog inc, representative if you have any questions about your units particular functionality.

blue dog inc reserves all rights to revise, change or update this manual without obligation to notify any person of such revisions or changes.

Service & Access Restrictions

Service and access to the internal components of the Lucky Dog 7 Charging Rack is restricted to Blue Dog, Inc. authorized service representatives only. The Lucky Dog 7 Charging Rack contains no end-user-serviceable parts and access is prohibited. Please, contact a Blue Dog-authorized service representative for technical assistance.

Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- 1) this device may not cause interference and
- 2) this device must accept any interference, including interference that may cause undesired operation of the device.

FCC RF RADIATION EXPOSURE STATEMENT:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

Body-worn measurements were tested for SAR at 0 cm distance and the SAR Value : 0.885W/kg @ 1g (Body)



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