BEACON-000
Technical Manual

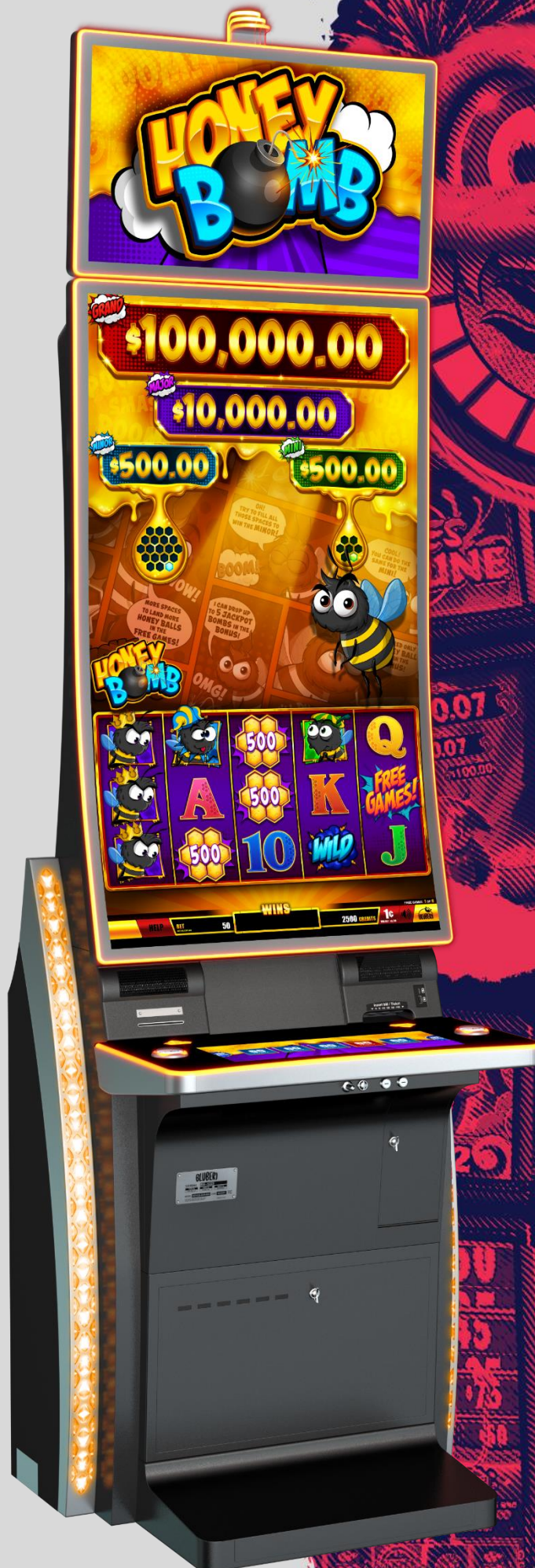**Version**
1.0.5

Department
TEC-ME-04389-EN

Creation date
2025-04-02

Audience
Technicians, Customers, etc.

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Version History

Version	Department	Initials	Date	Comments
1.0.0	Engineering	Y.P.	2023-11-20	- First Draft
1.0.1	Engineering	Y.P.	2023-12-06	- Updated Power Rating
1.0.2	Engineering	Y.P.	2023-12-07	- Fixed a typo on 240V rating
1.0.3	Engineering	A.D.	2024-12-03	- Manual overhaul
1.0.4	Engineering	Y.P.	2025-03-12	- Adjustments to power rating for EU
1.0.5	Engineering	Y.P + A.D.	2025-04-02	- Adding serial number tag plate section - Added lock installation information

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1. Electrical, Environmental, Safety and Emission Information

1.1. Power Rating

Voltage (VAC)	Amps (A)	Frequency (Hz)
120 VAC	3.68 A	60 Hz
240 VAC	1.8 A	50 Hz

Warning:

Use of an IEC C13 16AWG (SJT) detachable power cord is mandatory for the application. Suitable for Indoor Use Only.

1.2. Serial Number Tag Plate

The serial number tab plate is riveted to the front of the cabinet underneath the deck panel. It shows information's like the model and serial number, date of manufacturing, supported voltage, frequency and current consumption.
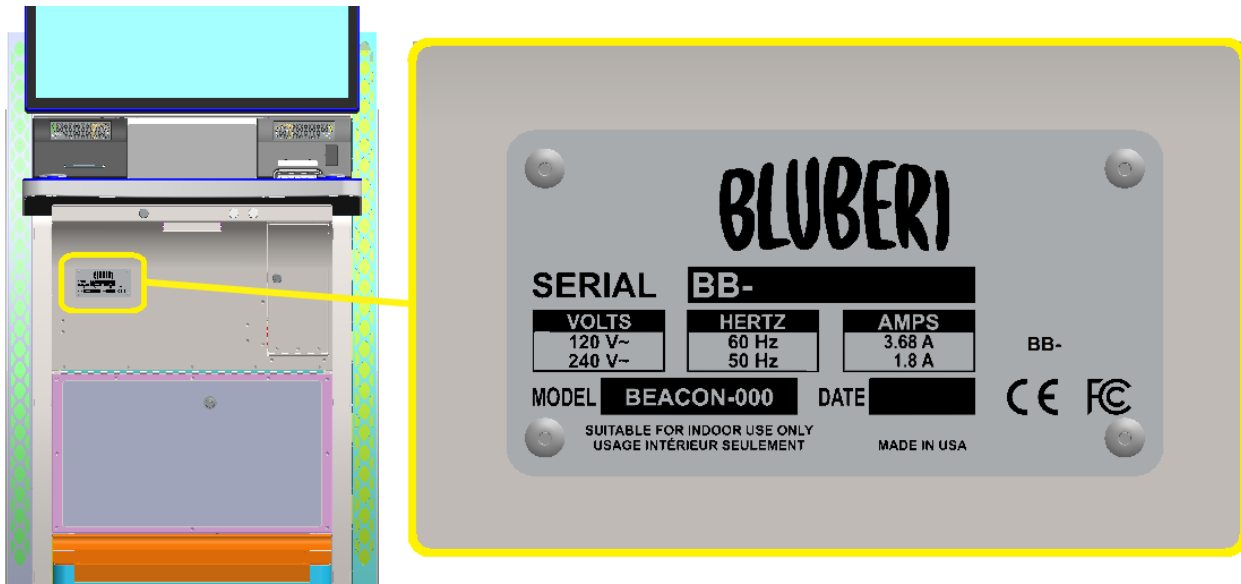
1.3. Operating Environment

Operating conditions:

Temperature	5°C to 40°C
Humidity	10% to 90% relative humidity (non-condensing)
Altitude	2,000 meters (6560 ft) max.

Non-operating conditions:

Temperature	-25°C to 65°C
Humidity	0% to 95% relative humidity (non-condensing)
Altitude	10,670 meters (35,000 ft) max.

1.4. Safety and Agency Approval

The BEACON cabinet has been tested to the following standards:

• cETLus listed with control number 5019806
• Conforms to UL Std. 22
• Certified to CSA Std. C22.2 No. 60335-1
• Certified to CSA Std. E60335-2-82
• Certified to IEC 60335-1 Std.
• Certified to IEC 60335-2-82 Std.

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1.5. Electromagnetic Compatibility Compliance (EMC)

- Radiated Emissions
  - ➢ FCC part 15 (2021) subpart B, Class A -> 30MHz-18GHz
  - ➢ EN55032, Class A (240V/50Hz) -> 30MHz-18GHz
- Conducted Emissions
  - ➢ FCC part 15 (2021) subpart B, Class A -> 150kHz-30MHz
  - ➢ EN55032, Class A (240V/50Hz) -> 150kHz-30MHz
- Harmonics Measurements EN IEC 61000-3-2 (2019), 240V Class A
- Flickers Measurements EN IEC 61000-3-3 (2013) -> Pst: 10min, Plt: 120min, 50 Hz
- Electrostatic Discharge Immunity (ESD) IEC61000-4-2 (2008), EN 55035

	Level 1	Level 2	Level 3
Contact Discharge	+/-4kV	+/-8kV	+/-10kV
Air Discharge	+/-8kV	+/-15kV	+/-27kV

- Radiated Electromagnetic Field Immunity IEC61000-4-3 (2020)
  - ➢ Enclosure Sweep: 80MHz-3000MHz, 3V/m
    + 1kHz 80%AM Dwell time: 0.5s
  - ➢ Discrete Frequency (±1%) 1800MHz, 2600MHz, 3500MHz, 5000MHz : 3V/m
    + 1kHz 80%AM Dwell time: 10s
- Electrical Fast Transient Immunity IEC61000-4-4 (2012)
  - ➢ +/-1kV / 5kHz & 100kHz
- Surge Immunity IEC61000-4-5 (2014) A1 (2017)
  - ➢ +/-0.5kV,+/-1kV & +/-2kV L-PE
  - ➢ +/-0.5kV,+/-1kV & +/-2kV L-L
- Immunity to Conducted Disturbances, Induced by Radio-Frequency Fields IEC61000-4-6 (2013)
  - ➢ AC power & PE:
    150kHz-10MHz / 3Vrms + 1kHz
    80%AM (CDN)
    10MHz-30MHz / 3-1Vrms + 1kHz
    80%AM (CDN)
    30MHz-80MHz / 1Vrms + 1kHz
    80%AM (CDN)
- Magnetic Field IEC61000-4-8 (2009)
  - ➢ Enclosure: 1A/m during 1min 50Hz / 60Hz
- Voltage Dips, Short Interruptions and Voltage Variation Immunity on AC Input IEC61000-4-11 (2020)
  - ➢ Voltage Dips
    0%Un during half cycle
    70%Un during 25 cycles @ 50Hz & 30 cycles @ 60 Hz
  - ➢ Short Interruptions
    0%Un during 250 cycles @ 50Hz & 300 cycles @ 60 Hz

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2. General Description

2.1. Specifications

The BEACON Cabinet is a dual-screen gaming machine that delivers an exceptional gaming experience. Its microprocessor-driven mainboard, combined with a high-quality graphics interface, ensures top-tier performance and visuals.
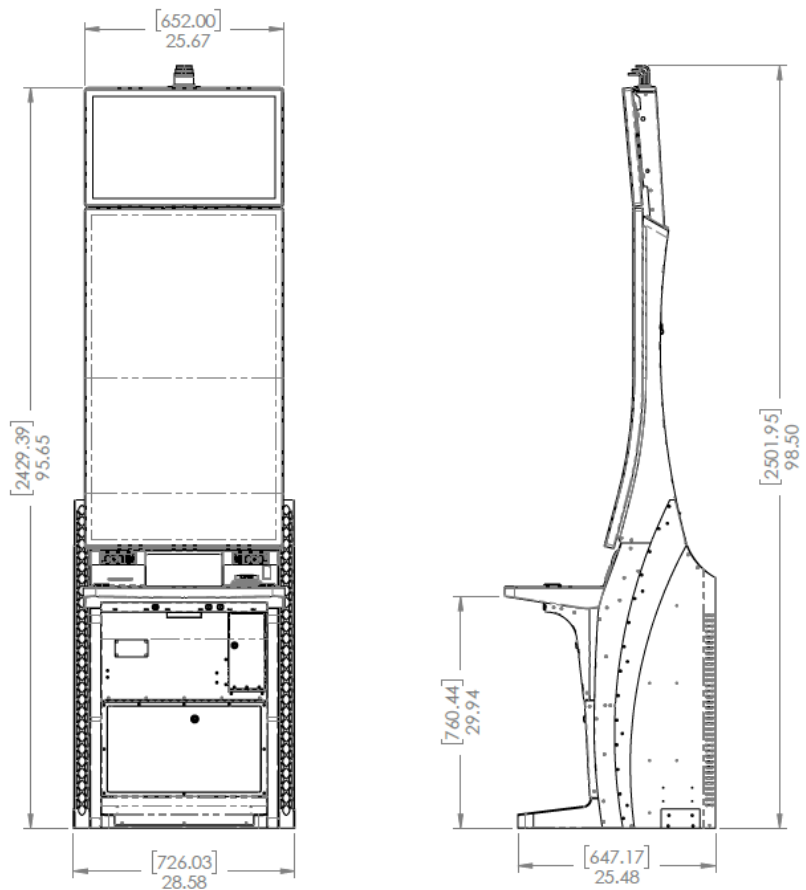
-Cabinet weight is:
375 lbs. (170 Kg).

- Cabinet overall dimensions are:

Height: 98.50" [2502 mm]
Width: 28.58" [726 mm]
Depth: 25.48" [647 mm]

INCHES [MILLIMETERS]

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2.2. Cabinet Overview

The BEACON cabinet is primarily composed of five main sub-assemblies: the cabinet base, the main 49″ touch screen, a 27″ Topper screen and the two lit side boxes (one left and one right).

27″ Topper screen

49″ Curved main screen (Touch)

Cabinet base

Side lit side boxes (left and right)
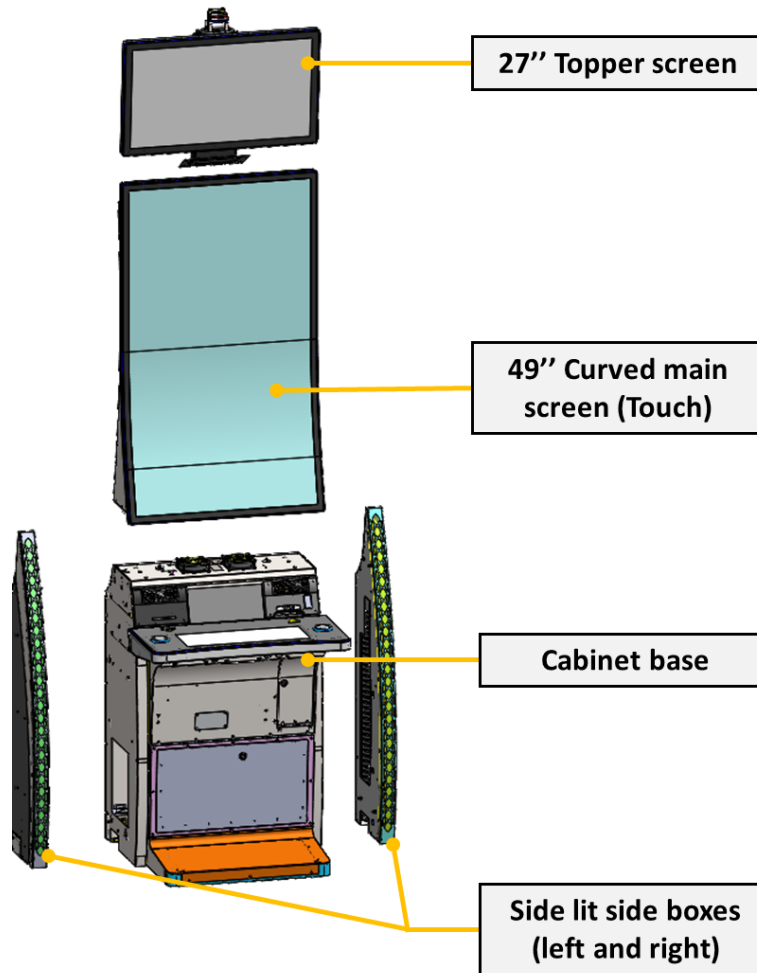
Warning:

The BEACON cabinet is suitable for Indoor Use Only. Not to be installed in a wet location. This appliance is not IP rated and must not be installed in an area where a water jet could be used.

The cabinet should be installed in an indoor location, sheltered from weather and other environmental factors (such as dust) that could cause damage. It is not water-resistant, so caution must be exercised when cleaning the cabinet and its surrounding area to prevent direct water spray.

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3. Cabinet Base

3.1. Overview

The cabinet base is the primary sub-assembly of the BEACON cabinet. It includes several key components, such as a deck door with an LCD panel and key switches for access to internal parts, a player tracking drawer, a footrest, a ticket printer, a bill acceptor, and more. These components will be described in detail in the following subsection.
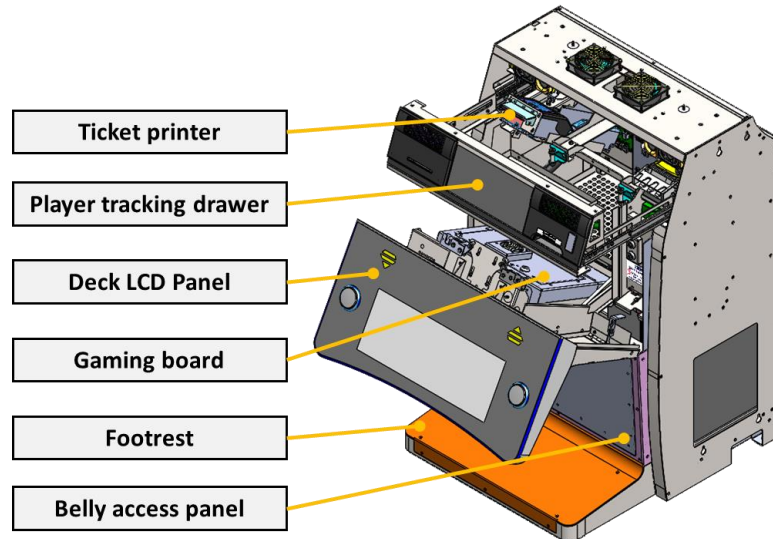
Whenever a door is opened, such as the deck door, the tower light flashes. Opening a door does not impact statistics or interrupt the ongoing game. Keys are supplied to unlock different sections of the gaming machine, including the deck door, logic box door, bill validator door (with two levels), and the belly access door.

NOTE: All keylocks use standard 5/8" locks.

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3.2. Deck door

3.2.1. Deck LCD panel

The deck door features an LCD panel (Model #TGGT1722) from Tech Global. It uses a 16:9 18.5" LCD, with about two-thirds of the display active, resulting in a 17 1/8" diagonal and a 16:6 aspect ratio. The panel is controlled via a DP interface for enhanced clarity and fidelity.

Input Power	Video Signal	Aspect Ratio
+12VDC @ 2.41A	1920 × 714 pixels	16:6

The monitor is fitted with a touchscreen that communicates with the gaming board via a USB link.

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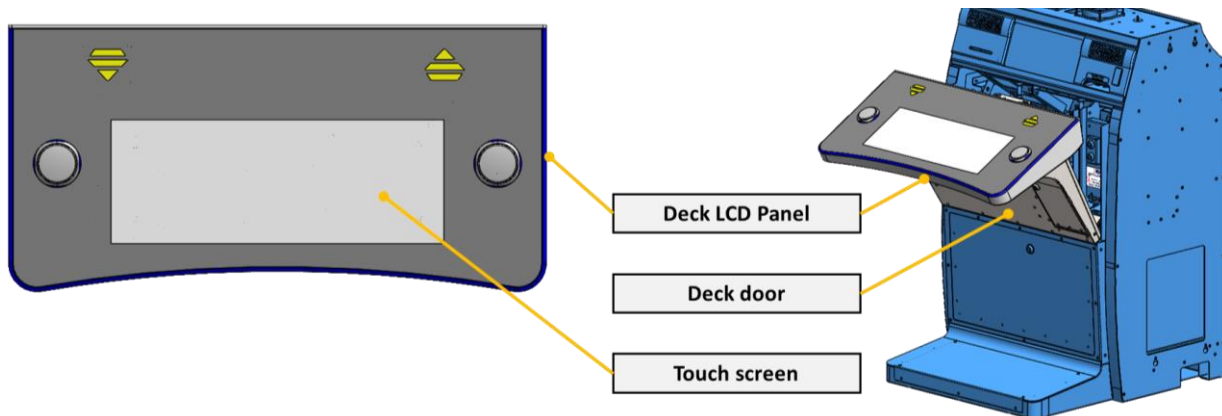
3.2.2. <u>Key switches</u>

Two key switches are installed on the deck door, located just below the deck screen.

The right key switch is the Operator Menu switch, a latching switch (Model #30-1086-01) supplied by Suzo. The Operator Menu switch provides access to game configuration, self-diagnostics, statistics, and more.

The left key switch is the Clear Error (Stat) switch, a momentary switch (Model #30-1086-00), also provided by Suzo. The Clear Error (Stat) switch allows the operator to clear errors once the issue has been resolved.

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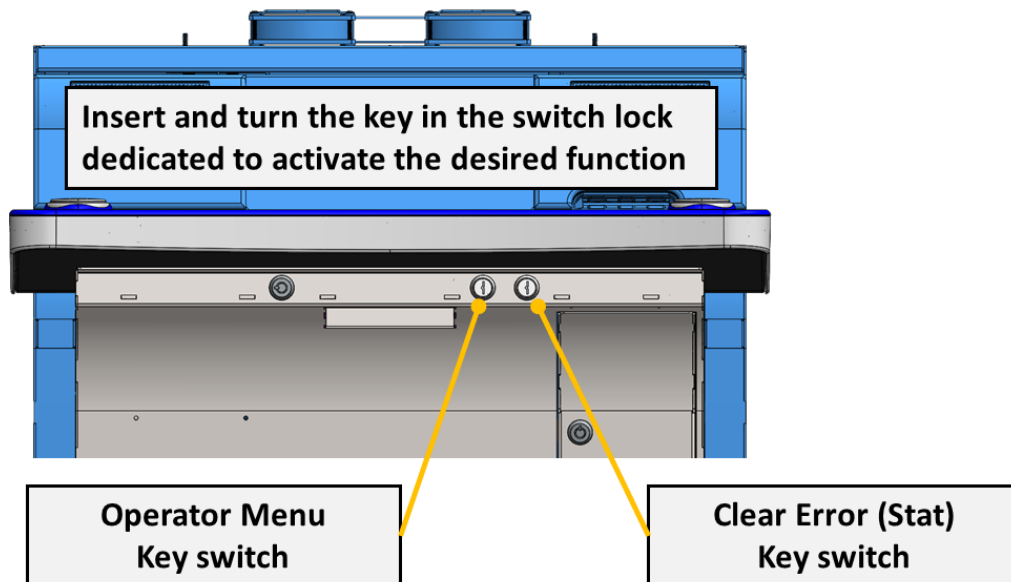
3.2.3. Opening mechanism
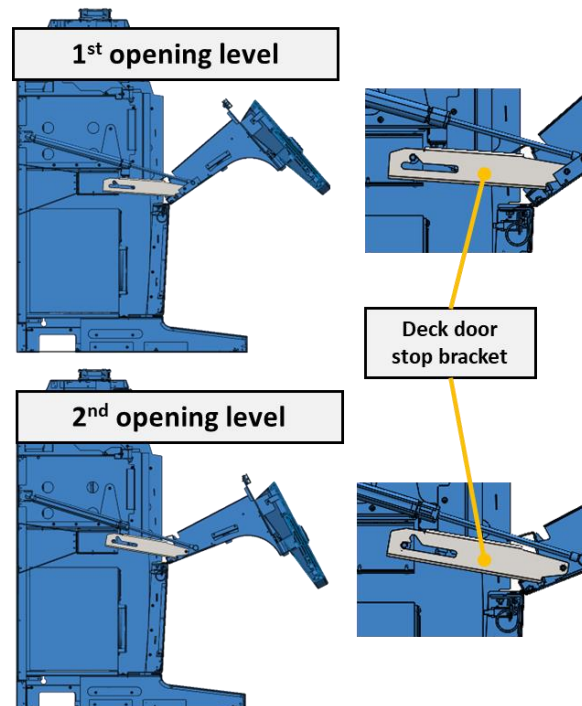
Opening the deck door requires a three-step process:
1. Unlock the belly door lock.
2. Pull the belly door handle.
3. Open the door.
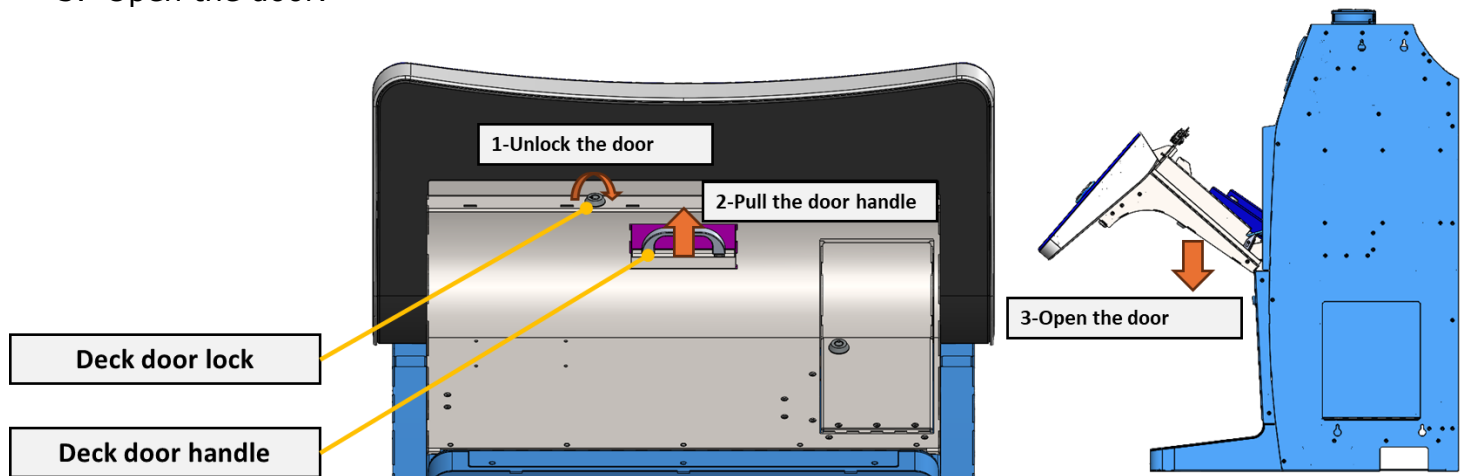
The deck door is designed to allow two opening level. This is adjusted by moving the deck door stop bracket up and down as shown in the following figure

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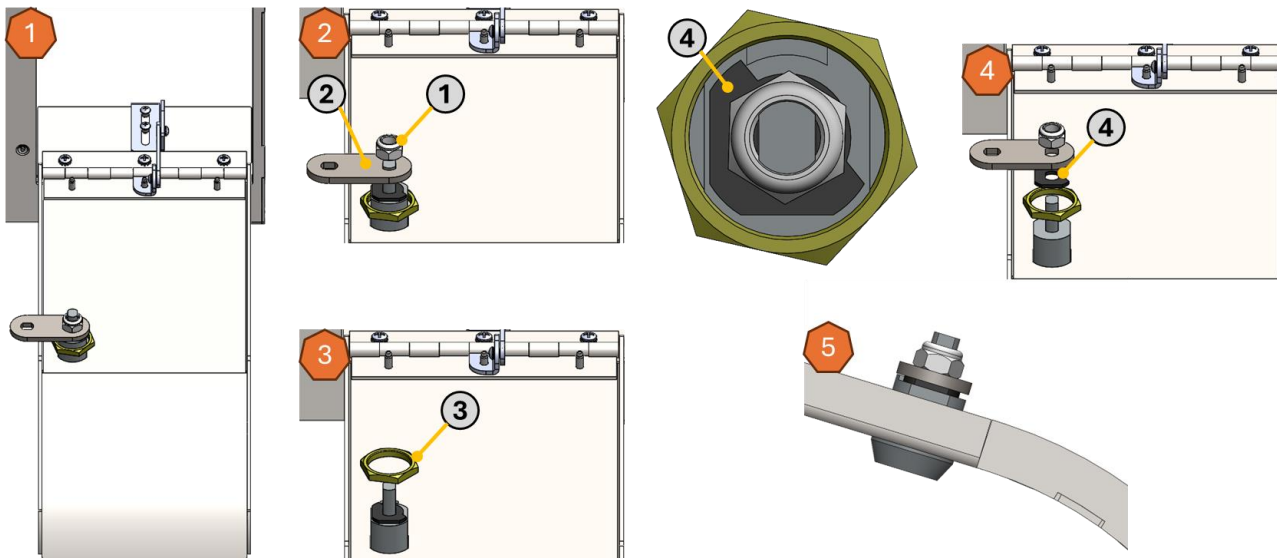
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3.3. External BV door lock

The BV door is equipped with an external lock, as illustrated in the accompanying picture.
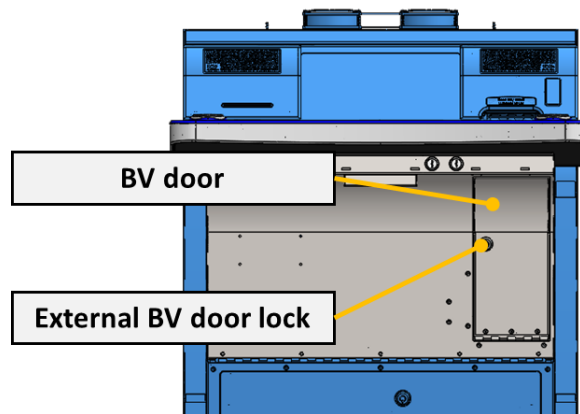
The circular keyway cam lock can be replaced, if necessary, by following the procedure outlined below:

1. Open the external BV door.
2. Using a 7/16" nut driver, remove the nut (1) that secures the CAM (2) to the lock.
3. Using a 7/8" nut driver, remove the large nut (3) that secures the thumb lock than discard the thumb lock.
4. Insert the new key lock as shown. Please note the orientation of the lock plate (4). When positioned this way, the door will be unlocked by turning the lock clockwise.
5. Tighten the 7/8" nut before adding all the remaining hardware and then tighten the 7/16" nut that secures the CAM to the lock.

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3.4. Player tracking drawer

To access the printer or bill validator for maintenance, adding paper, or clearing a paper or banknote jam, follow these steps:
1. Open the deck door.
2. Pull the drawer to open it.
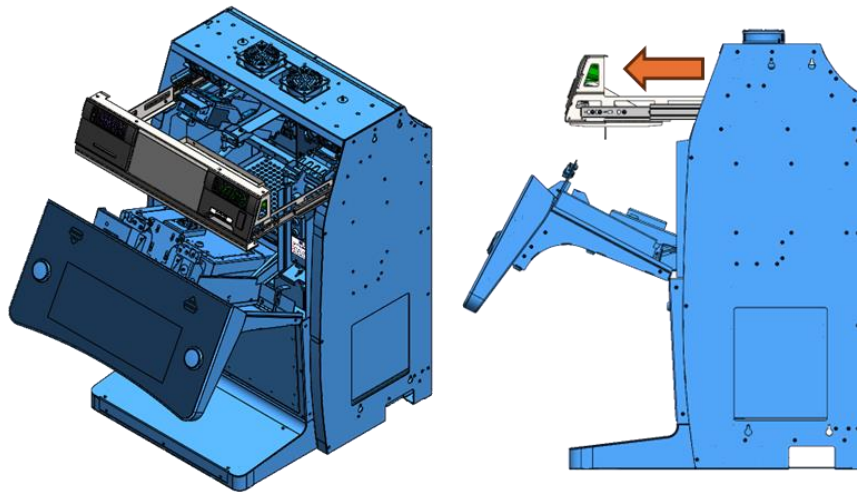
3.5. Belly access panel

To access the lower section of the cabinet and the footrest area, simply remove both the belly access panel and the footrest pedestal cover.

To remove the belly access panel, start by unlocking it. Next, lift the panel up (about half an inch) to be able to tilt it as shown until the bottom tab can be disengaged.

| 1-Unlock the access panel | 2-Lift the access panel | 3-Tilt the access panel |
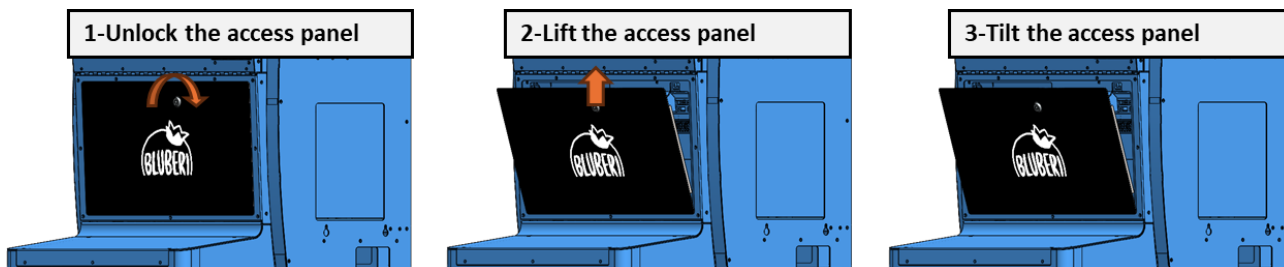
Similar to the BV door, the belly access panel is equipped with an external lock, as illustrated in the below figure.

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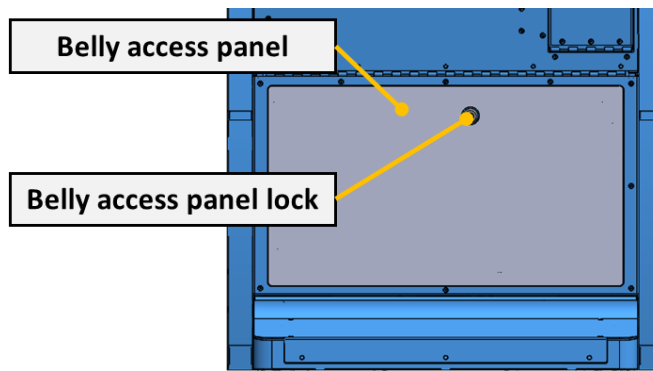
To replace the cam lock, please follow these steps:

1. Open the belly access panel.
2. Remove the old thumb lock using the same process as for the BV door.
3. Insert the new key lock as shown. Ensure the lock plate (1) is oriented correctly. When positioned in this manner, the door will unlock by turning the lock counterclockwise.
4. Tighten the 7/8" nut before reassembling all remaining hardware, then secure the CAM to the lock by tightening the 7/16" nut.
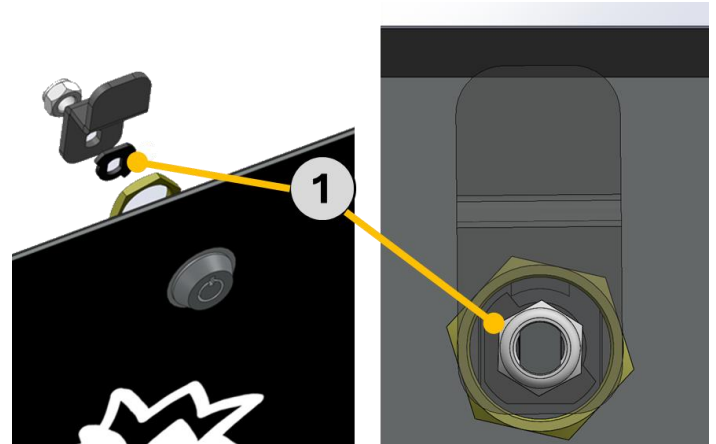
3.6. Footrest

Removing the footrest pedestal cover provides access to the entire footrest area. To remove it, first pull on the pin plunger as shown below. Then, push the tab inside toward you.

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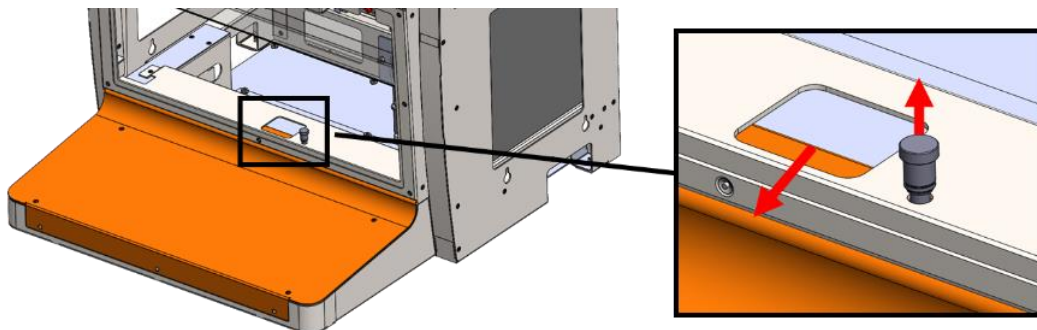
3.7. Electric and logic components

3.7.1. Door switches

The BEACON cabinet is equipped with a total of four (4) switches, which detect the opening and closing of doors.

The table below provides a quick summary of the model numbers and suppliers for each switch.

Component	QTY	Manufacturer	Model
Deck Door switch	1	ZF Electronics	#E79-30A0
		C&K	#DS2D6CQ1
		E-Switch	#PP2-7U1-2B2
Belly access panel switch	1	ZF Electronics	#E79-30A0
		C&K	#DS2D6CQ1
		E-Switch	#PP2-7U1-2B2
Bill door switch	1	E-Switch	#LS0851506F120C2A
		Honeywell	#V7-2B17D8-207
Logic door switch	1	ZF Electronics	#E69-30A0
		C&K	#DS1D6CQ1

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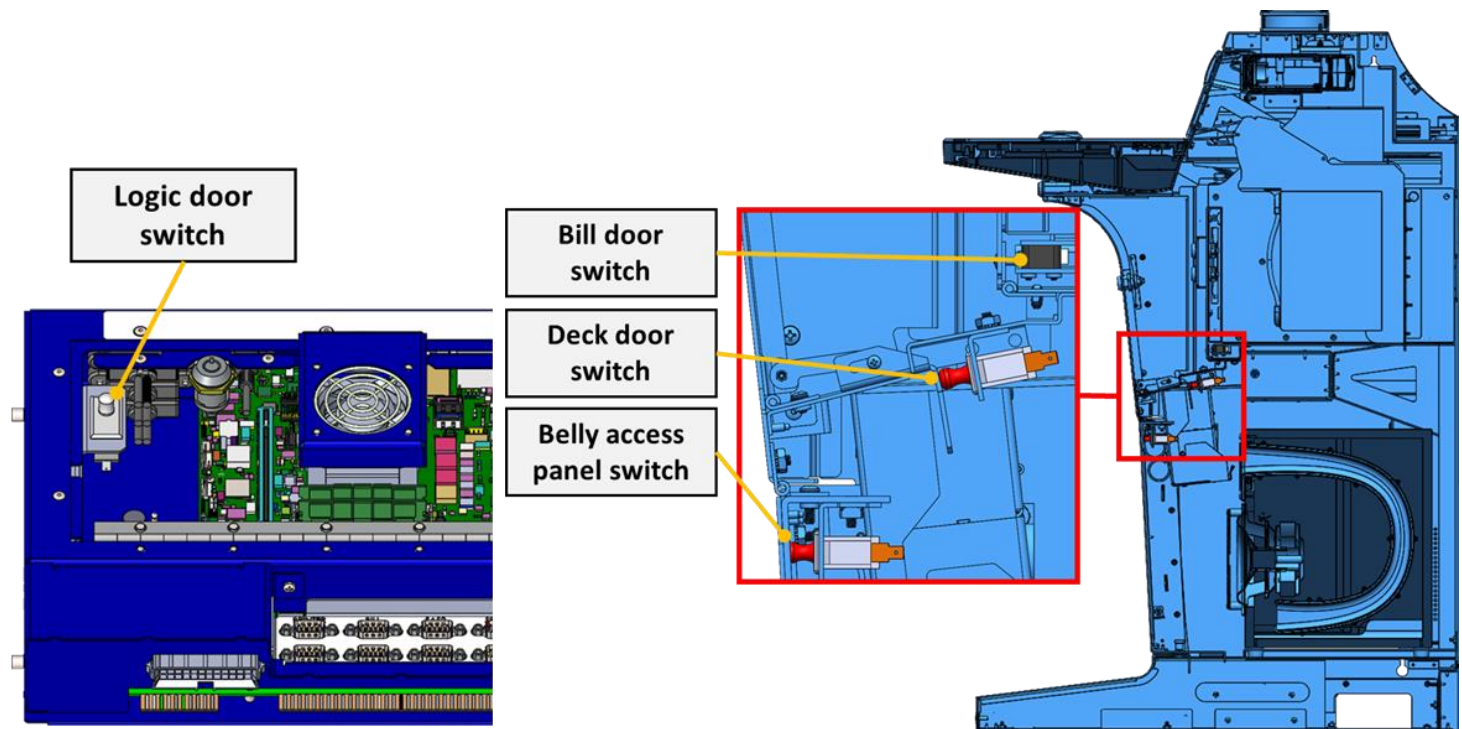
All switches operate in a "normally open" mode. When a door is opened, its switch opens the electronic circuit, triggering an event that is logged in the event memory of the gaming board.

3.7.2. <u>Logic box</u>

The gaming board (CPU) slides into a dedicated logic box drawer, and a switch detects when the logic box cover is opened. The gaming board is able to read the state of the logic door switch even when the power is off. The logic box is housed inside the deck door, locked with a key, and connected to the machine's I/Os via the backplane or device connectors.
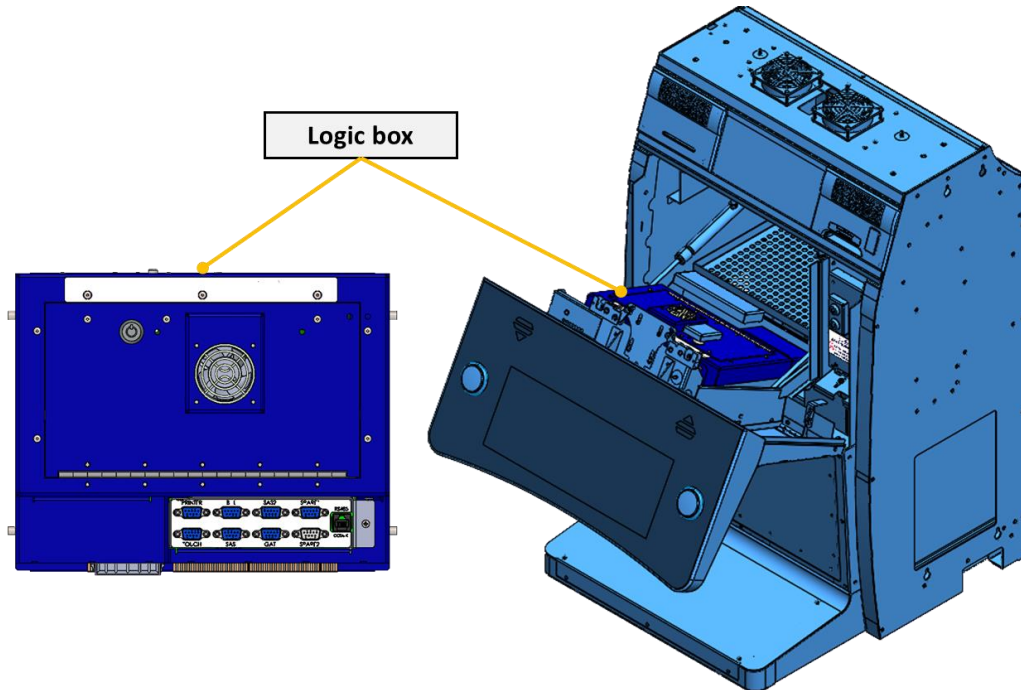
3.7.3. <u>Gaming board</u>

The cabinet support two versions of CPU gaming board. The Spider CPU and the Advantech DPX-S450 CPU (Dragon).

| For detailed information on the Spider CPU board, please refer to document "TEC-EL04103".	For detailed information on the Advantech DPX-S450 CPU board, please refer to document "TEC-EL-04290".

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3.7.4. The Power Distribution Unit (PDU)

The cabinet is powered using a power distribution unit (PDU) for both AC and DC voltages. PDU integrates the main AC power inlet with an EMI filter, a thermal breaker and the main switch. It also integrates an ATX-style power supply for DC rails power. The PDU (Model #ATEC-24V750-PDB) is supplied by Agape Technology ACPC Group.

Output Voltage	Min. Load	Max. Load	Load Reg.	Cross Reg.	Line Reg.	Ripple & Noise
+5V	0.3A	24A	±5%	±5%	±1%	50mVp.p
+12V	0.2A	50A	±5%	±5%	±1%	120mVp.p
+24V	0.2A	15A	±5%	±5%	±1%	160mVp.p
-12V	0A	1A	±10%	±10%	±2%	120mVp.p
+5VSB	0A	3A	±5%	±5%	±1%	50mVp.p

Power Distribution Unit (PDU)
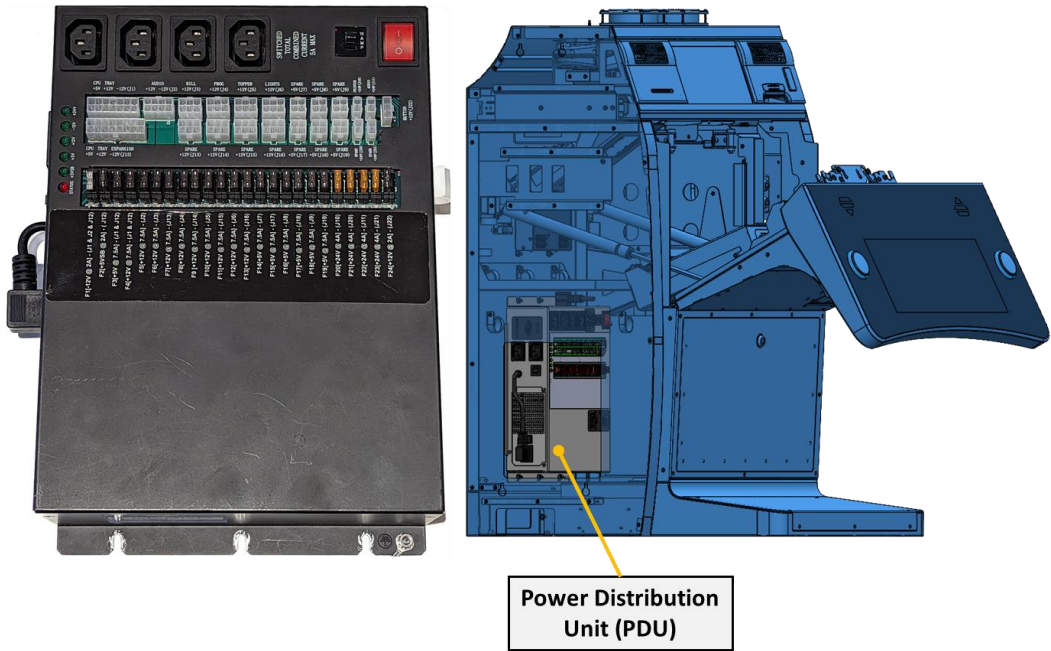
Each component inside the cabinet is powered independently from the power distribution unit. Each segment is fuse protected. To quickly determine whether a fuse is blown, check the LED under it.

LED ON: Fuse is OK
LED OFF: Fuse is blown

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Input current is limited to 15A. **Use of an IEC C13 16AWG (SJT) detachable power cord is mandatory for the application.**

PDU DC Section	
CPU Tray (J1)	This output supplies power to the CPU enclosure (CPU board).
Audio (J2)	This output supplies power to the CPU enclosure (expansion power).
Bill +12V (J3)	This output supplies power to the bill acceptor.
Prog. +12V (J4)	This output supplies power to the deck door section (LCD panel, deal push buttons lamp, deck side LED lighting).
Topper +12V (J5)	-- Unused --
Lights +12V (J6)	This output supplies power to the chassis fans & candlelight.
Spare +5V (J7)	This output supplies power to the deck monitor DigiLED & EETI touch controller.
Spare +5V (J8)	This output supplies power to DigiLED controlling side box & cabinet back LED lighting.
Spare +5V (J9)	-- Unused --
Printer +24V (J10)	This output supplies power to the ticket printer.
Audio +24V (J11)	This output supplies +24V power to the audio amplifier board.
CPU Expansion (J12)	This output supplies power to the CPU enclosure (expansion power).
Spare +12V (J13)	This output supplies power to the main screen (49J).
Spare +12V (J14)	This output supplies power to cabinet back LED lighting.
Spare +12V (J15)	This output supplies power to the topper LCD panel.
Spare +12V (J16)	This output supplies power to cabinet side box LED lighting & USB charger.
Spare +5V (J17)	This output supplies power to main screen DigiLED & EETI touch controller.
Spare +5V (J18)	-- Unused --
Spare +5V (J19)	This output supplies power to topper DigiLED.
Spare +24V (J20)	This output supplies power to the main screen LCD panel (49J).
Spare +24V (J21)	-- Unused --
Button +12V (J22)	This output supplies power to the service lamp.

3.7.4.1. Switched AC Outlets

The power distribution unit (PDU) features four (4) switched AC outputs on IEC 320 C14 outlets. The total combined current for those four outlets is 5A. They will be cycled with the rocker switch.

➤ **These outlets should only be used by service personnel (max 5A).**
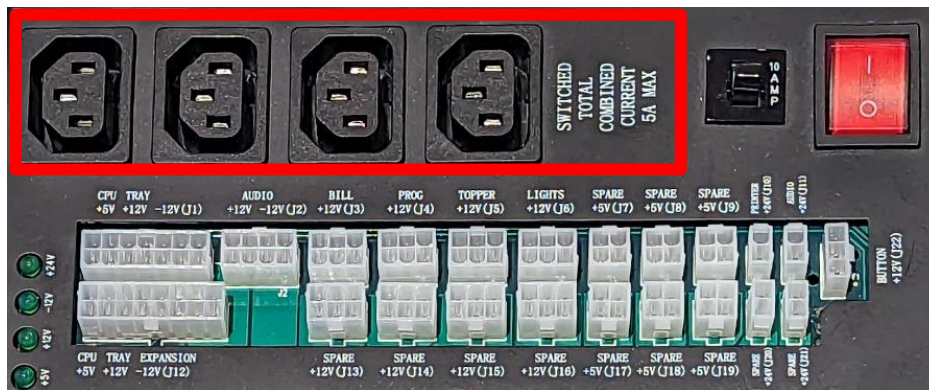
3.7.4.2.   Unswitched AC Outlets

The power distribution unit (PDU) features two (2) unswitched AC outputs on IEC 320 C14 outlets. The total combined current for those two outlets is 5A (5A thermal breaker). Power will be available on those outlets even if the main rocker switch is in off position.

➤ **These outlets should only be used by service personnel (max 5A).**

### 3.7.4.3.   AC Fault Condition

If a fault condition (excessive current) has been detected on one or many AC outlets, the corresponding AC outlets group (switched or unswitched) will be disabled (tripped thermal breaker). Fix faulty condition on AC outlets and push thermal breaker actuator back in.

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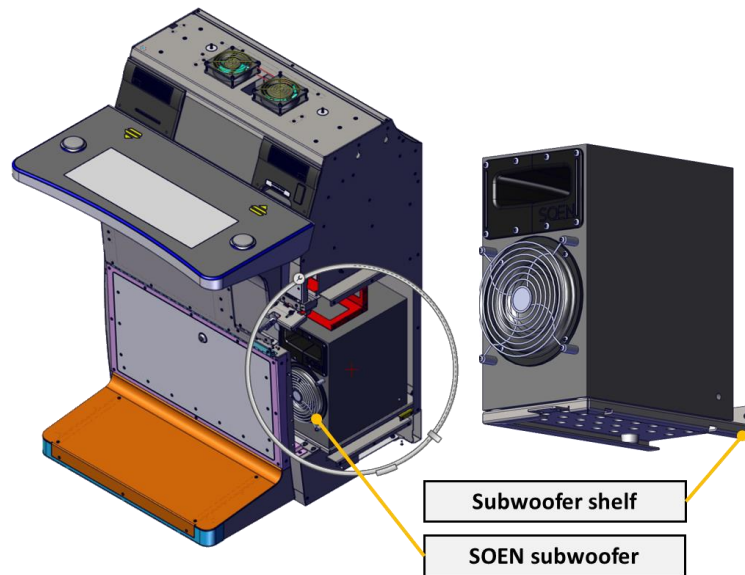2025-04-02

3.8. Sound components

3.8.1. SOEN amplifier

The subwoofer and satellite speakers are powered by a Soen 4.1 audio amplifier (Model #S10071), a dedicated board that amplifies the left and right audio outputs from the gaming board and includes a special output for the subwoofer (SUB). This audio amplifier connects to the main CPU via a USB link (USB audio). Additionally, an analog audio input is available to connect player tracking sound to the main speakers.
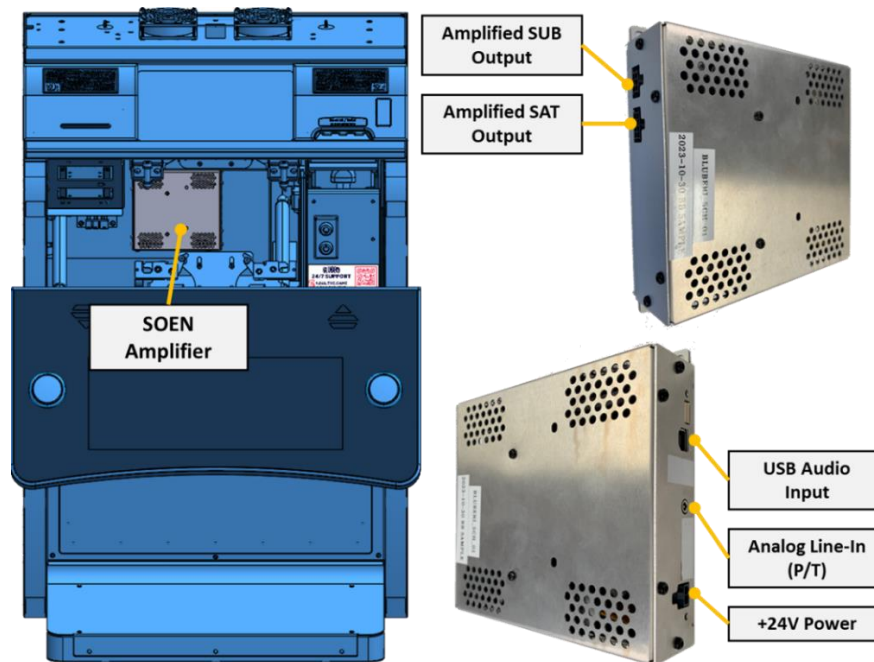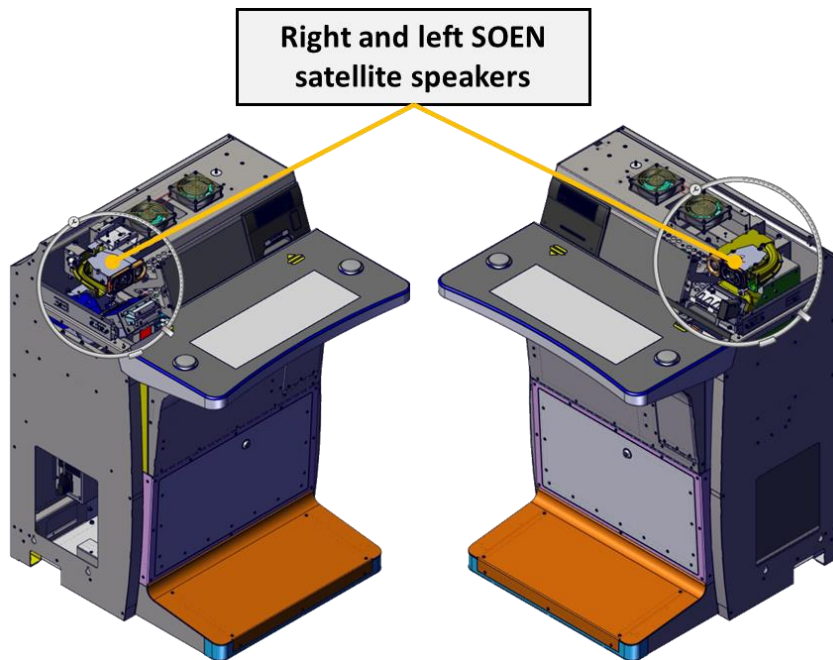

3.8.2. SOEN subwoofer

The BEACON cabinet is equipped with a SOEN subwoofer (Model #S10025), which is positioned on a shelf to minimize any sound vibration transfer to the cabinet structure.

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Subwoofer shelf

SOEN subwoofer

To access the subwoofer for maintenance, it is recommended to completely remove the belly access panel while keeping the deck door closed.

3.8.3. <u>SOEN satellite speakers</u>

For an immersive sound experience the BEACON cabinet comes equipped with two (02) SOEN satellite speakers (Model #S10072) respectively on the left and right sides. To have access to the speaker both deck door and player tracking drawer shall be opened.

Right and left SOEN satellite speakers

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3.9. Peripherals

3.9.1. <u>Bill acceptor</u>

The BEACON cabinet was designed for flexibility, allowing it to accommodate various bill acceptors with different cash box sizes. It features an adjustable plate that slides to securely hold the bill acceptor in place (as shown in the figure below).
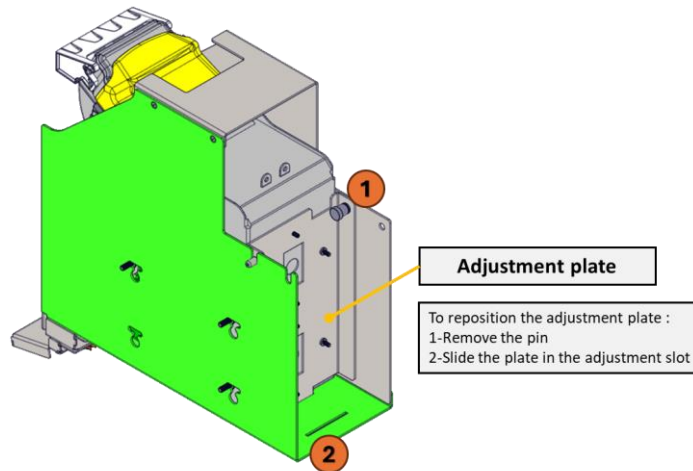
For the full list of compatible bill acceptors see the following table:

Manufacturer	MODEL	VOLTAGE
JCM	UBA (UBA-10-SS)	12 VDC
JCM	UBA PRO (UBA-510-SS)	12 VDC
JCM	iVIZION (iVIZION-100-SS)	12 VDC
MEI	SC ADVANCED SCN6607E	12 VDC
MEI	SC ADVANCED SCM6607E (900 notes)*	12 VDC
MEI	SC ADVANCED SCN8347E (CAN)	12 VDC

*Requires repositionning the adjusement plate

JCM	JCM	MEI
UBA-10-SS	**iVIZION-100-SS**	**SC AVANCED SCN667E**

The bill acceptor communicates with the gaming board through an RS-232 link.

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3.9.2. Ticket printer

The printer compartment is located on the left side of the cabinet. It is accessible upon opening both the deck door and the player tracking drawer.
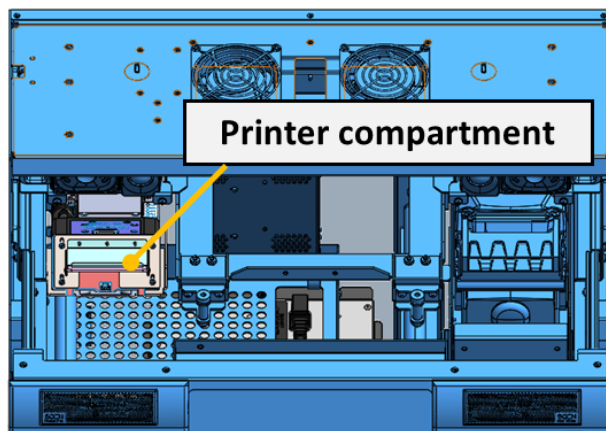
Similar to the bill acceptor the BEACON cabinet can accept a variety of printers. The full list is available in the following table.

Manufacturer	MODEL	VOLTAGE
Nanoptix	Paycheck 4	24 VDC
JCM	GEN 5	24 VDC
Transact	Epic 950L	24 VDC
Transact	Epic Edge	24 VDC

Nanoptix
Paycheck 4
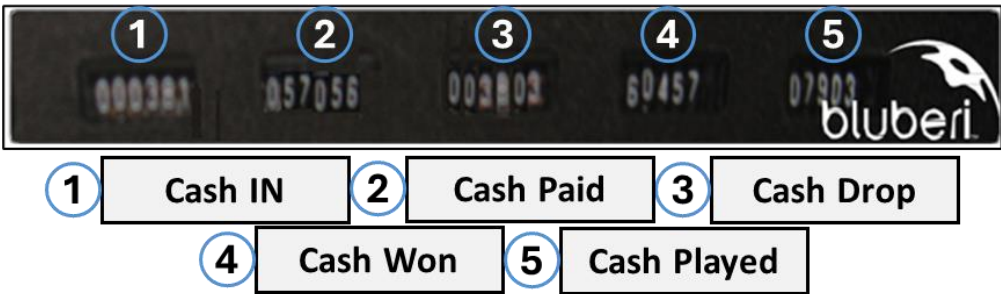
JCM
GEN 5
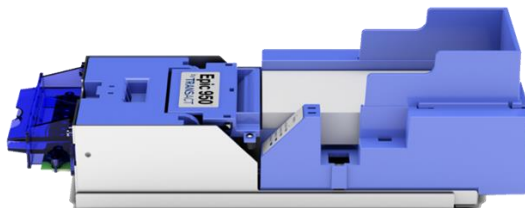
Transact
Epic 950L

The ticket printer communicates with the gaming board through an RS-232 link.

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3.9.3. Mechanical meter (Optional)

Mechanical meters display game data using seven digits as shown in the following figure:

 These meters, which cannot be reset, confirm data contained in the gaming board memory. They increment each time a 12 VDC pulse is registered. The hard meters are visible underneath the deck panel. The five (05) mechanical meters (Model #42-08012-07) are supplied by Suzo.

** An optional Jackpot meter (sixth meter) is available upon request.

3.10. Cabinet fans

The BEACON cabinet comes equipped with two (02) cooling fans, placed above the cabinet base, to maintain all the electronic component working at the optimal temperature. The full list of the compatible fans is as shown in the following table:

Manufacturer	MODEL
Delta Products Corp	AUB0912VH-CIT
Delta Products Corp	AUB0912VH-CX09
Delta Products Corp	AUB0912VH-CF00
Mechatronics Fan Group	G9225X12B-FGR
YCCFAN	YDL9225B12G
Dongguan Xingdong Electronics	DFD9025B-2
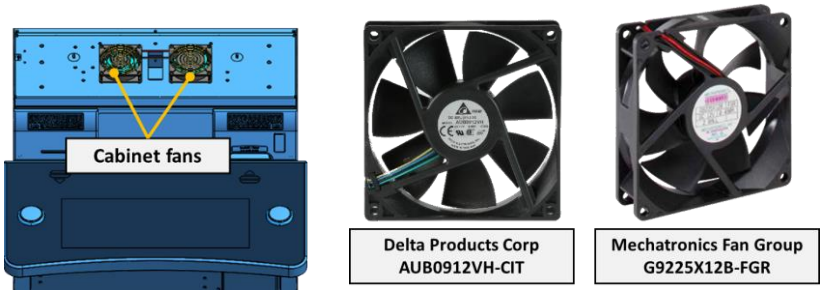
3.11. Network

The network connects gaming machines to a server through a Gigabit Ethernet link, making it possible to manage progressives as well as cashless and accounting systems.

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4. Main curved screen

4.1. LCD monitor

The BEACON is equipped with a striking 49-inch J-shaped main LCD display, offering a 16:9 aspect ratio for a wide, immersive viewing experience. This ultra-HD monitor delivers exceptional image clarity and brightness, with a peak brightness of 600 nits. The screen is framed by a sleek, narrow bezel, allowing for a larger effective display area while maintaining a modern, refined look. To ensure the highest level of visual performance and image fidelity, the monitor is driven by a DisplayPort interface

Input Power	Video Signal	Aspect Ratio
+24VDC @ 4.4A	3840 × 2160 pixels (4K)	16:9

The monitor (Model #TGGT4902J) is supplied by Tech Global.

The monitor is equipped with a touchscreen communicating with the gaming board through a USB link.

Removing the monitor is a simple three-step process that can be completed by a single technician. The steps must be followed carefully to ensure proper removal:

Step 1:
Begin by opening both the deck door and the player tracker drawer to access the latch that secures the monitor's locking mechanism. Once the latch is located, pull it from left to right to unlock the mechanism.

Step 2:
After unlocking the monitor, carefully tilt it forward to completely disengage it from the locking mechanism.

Step 3:
Raise the screen to align it with the second row of notches, as illustrated in the figure below. Tilt the screen until it is securely supported by the safety cable. This will create an adequate gap to safely disconnect the electrical wires attached to the screen.

Step 4:
Finally, remove the screen by lifting it upwards and tilting it forward to fully detach it.

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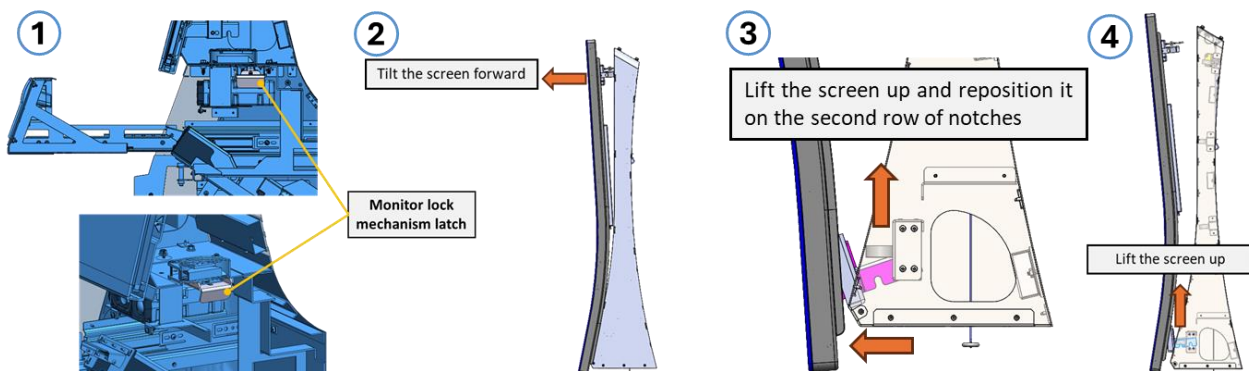
4.2. Cabinet back LED lighting

The BEACON cabinet includes an innovative back-lighting option. This design element aims to improve the visual appeal of the gaming environment and support efficient use of casino floor space. LEDs are controlled using an inhouse designed DigiLED-CTRL controller (CH-B) and working on +12VDC. The four sections are daisy chained as shown. Communication starts on bottom left corner (seen from the front). It is built using +12V digital LEDs strips with a density of 144 LEDs/meter.
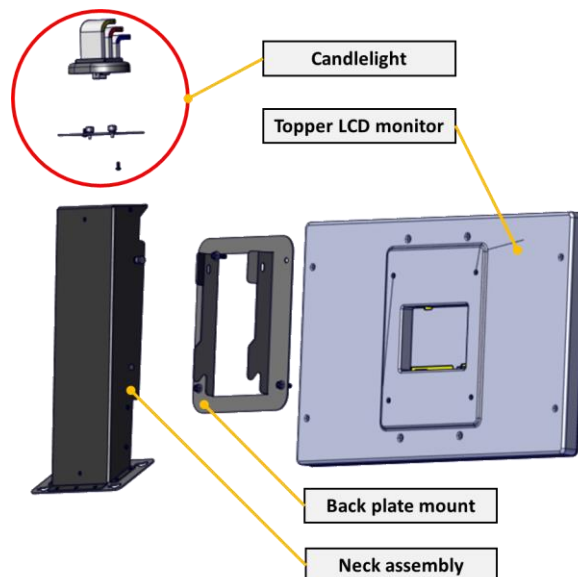

Cabinet back LEDs
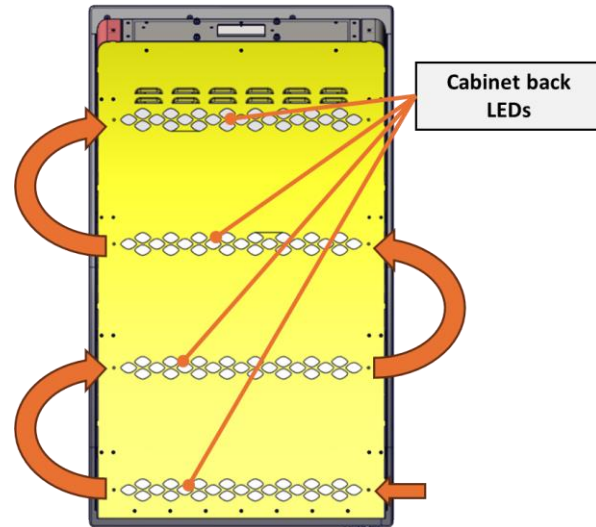
5. Topper screen, side LED lighting and candlelight

5.1. Topper monitor

The topper monitor assembly is composed of:
1- The topper neck assembly
2- The back plate mount
3- The topper LCD monitor
4- The candlelight.

Candlelight

Topper LCD monitor

Back plate mount

Neck assembly

The Tech Global TGGN2702 LCD monitor boasts a 27-inch display with a 16:9 aspect ratio, delivering a sharp and expansive viewing experience. It is powered by a DisplayPort (DP) connection, guaranteeing superior visual quality and smooth performance.

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Input Power	Video Signal	Aspect Ratio
+12VDC @ 3.9A	1920 × 1080 pixels	16:9

Removing the topper monitor is straightforward—simply pull on the two spring-loaded plungers and lift the screen.
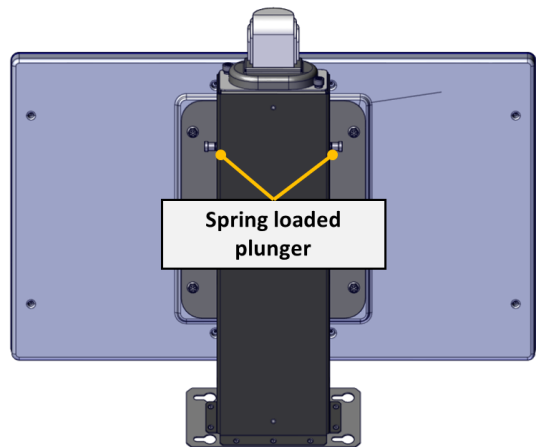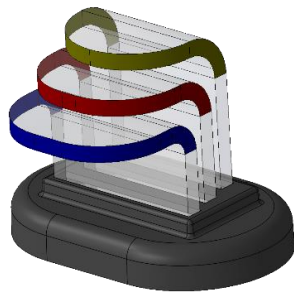

5.2. Candlelight

The candlelight indicates various events, such as a door opening, an attendant call, or a jackpot win. The light patterns are fully customizable and can be adjusted through the cabinet's menu.

5.3. Side LEDs lighting

The cabinet is equipped with edge-mounted digital LED lighting on all LCD monitors. These LEDs are managed by Bluberi's proprietary DigiLED-CTRL controller, which is integrated into each screen's subassembly (one controller per screen, four in total). The controller communicates with the CPU board via a USB connection.

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Edge LED mounted around the topper screen

Edge LED mounted around the deck screen

Edge LED mounted around the main screen
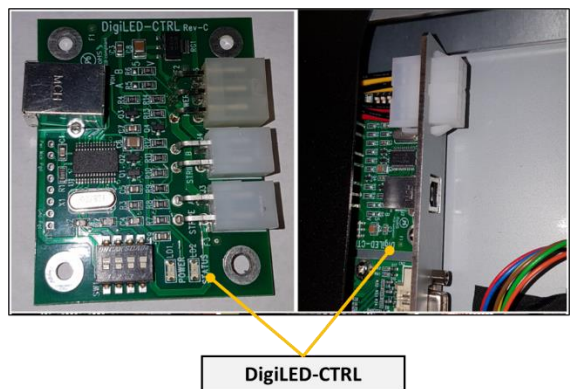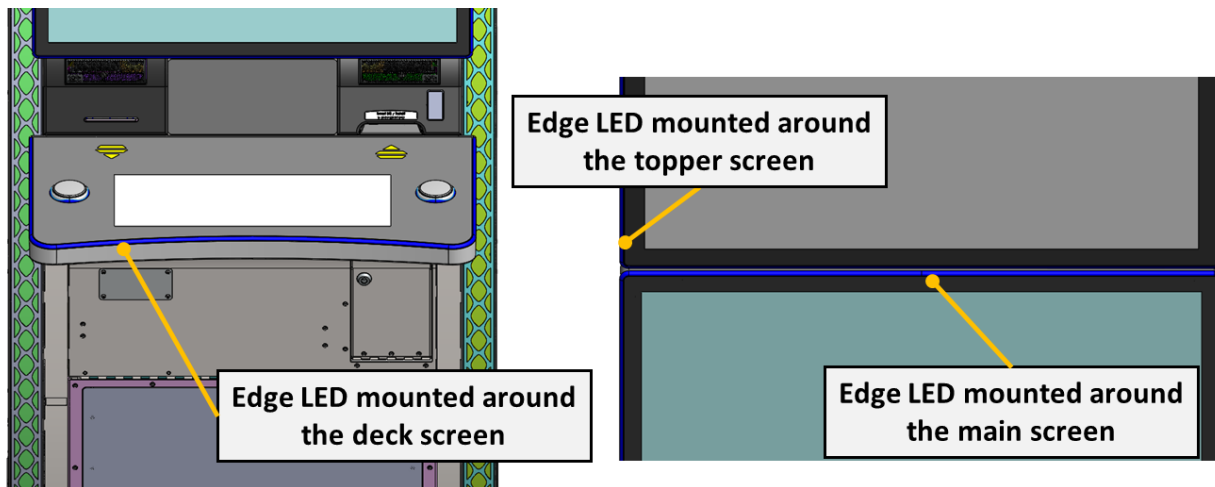
6. Side boxes

BEACON cabinet features two side box wings with LED lighting on the front. LEDs are controlled using a DigiLED-CTRL controller (CH-A) and working on +12VDC. Both sides are daisy chained and linked together at the bottom. Communication starts on top left corner. It is built using +12V digital LEDs strips with a density of 60 LEDs/meter.

Left side box

Right side box

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7. Power Diagram

POWER DISTRIBUTION UNIT (PDU)

120/240V AC

BLU-PDU
DC DISTRIBUTION BOARD
(WITH FUSES)

MAIN HARNESS

+12VDC

CANDLE
LIGHT

LEGEND
BROWN: AC POWER
RED: DC POWER
BLACK: SIGNAL

+5VDC ; +12VDC ; -12VDC

NETWORK
(CAT5E)

ETH

CC-TALK

CABINET FAN
(LEFT)   +12VDC

CABINET FAN
(RIGHT)   +12VDC

+12VDC

LCD MONITOR
(27" TOPPER)   DP

SIDE LED's   USB

MAIN GAME BOARD

SPIDER REV-0

ALTERNATE
DPX-S450

TOUCH   USB

+24VDC

LCD MONITOR
(49" MAIN MONITOR)   DP

+12VDC   SIDE LED's   USB

TOUCH   USB

1P   BELLY DOOR
2P   SWITCH

1P   BELLY PANEL
2P   SWITCH

SERVICE
LAMP   +12VDC

+12VDC

LCD MONITOR
(BUTTON DECK)   DP

SIDE LED's

L. ARROW   R. ARROW   USB

+12VDC   PHONE CHARGER

LOGIC DOOR SWITCH

BILL DOOR SWITCH

+12VDC   DIGILED-CTRL   BACK LEDs

SIDEBOX LEDs
(LEFT)

SIDEBOX LEDs
(RIGHT)

MENU
KEYSW

CLEAR
KEYSW

LEFT
SATELLITE

RIGHT
SATELLITE

+24VDC   SOEN
AUDIO AMPLIFIER   USB

SUBWOOFER

DSUB (RS-232)

TICKET PRINTER   BILL VALIDATOR   DSUB (RS-232)

+24VDC

+12VDC

8. Installation checks and maintenance

8.1. Installation checks

Before powering on the cabinet, ensure the following items are properly installed:

- All mounting bolts are securely fastened.

- Back-to-back securing screws (if applicable) are tightened correctly.

- The power cord is properly connected at both ends.

- Required locks are installed according to local regulations.

8.2. Basic maintenance

Jammed bill acceptor:

To clear a bill jam, follow these steps:
1. Slide out the bill acceptor verifier head and open it.
2. Unlatch the verifier head by pulling down the horizontal latch.
3. Pull the unit forward.
4. Open the head by lifting the latch on the top front of the unit.
5. Remove the jammed bill.
6. Return the unit to its normal operating position.

Jammed ticket printer:

To remove a jammed ticket, follow these steps:
1. Slide the latch on top of the ticket printhead.
2. Open the cover.
3. Remove the damaged ticket.
4. Re-feed the printer.

8.3. Preventive maintenance

To ensure the proper functioning of the BEACON cabinet, regular maintenance is recommended. Special attention should be given to the printers, bill acceptor, and fans. Maintenance should be performed at least every 6 months.

Ticket Printer:
Every 6 months, clean the printhead and paper path
Open the printhead area, clean the paper path and rollers
(see manufacturer maintenance manual for further details)

Bill Acceptor:
Every 6 months, clean the validator bill path, sensors, and rollers
(see manufacturer maintenance manual for further details)

Fans:
Every 6 months, wipe the accessible fins and blow off any dust
(see manufacturer maintenance manual for further details)

When cleaning, it is recommended to apply a mild cleaner directly to the cloth before wiping the cabinet. A non-flammable compressed air spray can be used to remove most dust and debris. Avoid injecting water or any liquid agents into the cabinet. If the cabinet comes into contact with water or liquids, immediately use a clean, dry microfiber cloth to wipe off and absorb any excess liquid.

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Contact Us

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