

UserGuide

ArcadeBuzzer



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1. Safety Precautions

Read Before Using

To ensure the safe usage of this product, carefully read and understand these instructions before operating your game. Save these instructions for future reference.



- This equipment works under high voltage which can cause electrical shock. Only qualified personnel should service the machine.
- Read the entire manual before using the machine. The following guide is intended for the users, operators, and the personnel in charge of the operation of the machine. Be sure to keep this manual close to the machine.



- High voltage can cause electric shock. Turn off or unplug power before servicing.

- When unplugging the machine from electrical outlet, always grasp the plug, not the cord.
- Always connect the machine to grounded electrical outlet.



- The wiring system is under voltage that is safe in normal use but may be harmful while improper use.
- Always use digital multimeter, logic tester or oscilloscope for testing integrated circuits.
- Do not connect or disconnect any of the integrated circuits while the machine is turned ON.
- Do not subject the machine to extreme temperature variations.

Before turning the power on

After receiving the shipment, inspect the product thoroughly to ensure that it has been shipped with care. Before turning the power on, please check:

- the cabinet for damage or shifting that may have occurred during shipping;
- if power supply meets machine electrical requirements;
- if all wires linked correctly and securely connected to each other;
Notice: If coupled in an incorrect manner, the connection will not be made accurately and it could cause not only irreparable damage to the machine, but also is a potential fire hazard.
Warning: DO NOT INSERT CONNECTORS FORCIBLY.
- if all the cables, including power cables, are undamaged;
- if all of the accessories listed in package contents were provided;
- if all doors/lids can be opened with the accessory keys;
- if doors/lids can be firmly closed;
- if the coin box key open the coin box.

2. Package Contents

Open the package and make sure that all items are included:

- Body assembly,
- Roof marquee with set of washers and wing nuts,
- Set of service keys,
- Service keyboard (inside the machine),
- Display remote control (inside the machine).

If anything from the list above is missing, please contact your sales representative for help immediately.

3. Technical Specifications

Operating size

height: 255 cm / 100.5 inches

width: 102 cm / 41 inches

depth: 123 cm / 48.5 inches

weight: 155 kg / 342 lbs

Shipping size

height: 209 cm / 82.5 inches

width: 102 cm / 41 inches

depth: 123 cm / 48.5 inches

weight: 155 kg / 342 lbs

Electrical requirements

voltage: 90 V - 240 V

frequency: 50 Hz to 60 Hz

consumption: 140 W

Extensions

Working with most popular currency acceptors and ticket dispensers.

Display

resolution: FullHD 1080 by 1920 graphics

diameter: 50 inches

Sound

Stereo speaker system

High-efficiency audio amplifier

Software features

Digital ticket and currency counters.

Advanced operator settings.

Volume adjustment for standby, game.

Attraction mode.

Freeplay mode.

Other features

Safety glass.

Full LED illumination.

RGB LED controller.

4. Installation

1. After ensuring that the machine is not damaged and no accessories are missing, take the machine to desired location.
Warning: Do not install the machine in areas that would present an obstacle in case of an emergency.
Caution: Do not stack any objects on top of the machine, as this may cause damage.
2. Apply brakes on each wheel to make sure that the machine will not move around.
3. Install marquee on top of the machine using attached set of washers and wing nuts.
4. Guide marquee wiring through the hole on top of the machine.
5. Use key to open service door at the back of the machine and connect marquee wiring to connector inside the machine.
6. If the machine is cold, leave it open for about 30 minutes for the electronic parts to warm up.
7. Close the machine, connect power cable to power outlet, turn the power ON.
8. Open service door to adjust volume and game options.

5. Settings

Volume adjustment

In operator menu you can set different volume levels for standby mode and for gameplay.

There's also a master volume adjustment knob inside the machine. When you open front service door you will find electronics board on the right side with a control knob. Use this control knob to adjust master volume level of the machine's sound amplifier.

Operator menu navigation

To enter operator menu use the service key to open service door. Locate service keyboard and press button 2 to enter the operator menu.

Use buttons 2 and 8 to navigate up and down through the operator menu.

Confirm your selection with button 5.

Use buttons 4 and 6 to adjust values.

Operator menu structure

■ gameplay

- ➔ **Difficulty** - adjusts speed and gravity force.
- ➔ **Bonus Beehives** - enables extra object with additional points.
- ➔ **All Time Best Score Reset Value** - point offset for resetting best scores.
- ➔ **Daily Best Score Reset Value** - point offset for resetting best scores.
- ➔ **Back**

■ credits

- ➔ **Freeplay** - allows to play the game without credits.
- ➔ **Game Cost** - how many credits is a single game worth.
- ➔ **Pulse Anti Cheat** - currency validator signal measurement precision.
- ➔ **Payment Method** - switch between coin and swipe card payment systems.
- ➔ **Credit Accounts** - individual or joint credit accounts for players.

■ sound

- ➔ **Game Volume** - volume level during gameplay.
- ➔ **Standby Volume** - volume level during standby.
- ➔ **Back**

■ tickets

- ➔ **Ticket Dispensers** - turn on or off ticket dispensers.
- ➔ **Tickets** - fixed ticket quantity or advances scoring system.
- ➔ **Tickets Per Game** - quantity of tickets for fixed ticket system.
- ➔ **Advanced Tickets** - point thresholds for tickets.
- ➔ **Back**

■ attraction

- ➔ **Announcement Volume** - volume level of attraction sounds during standby.
- ➔ **Announcement Delay** - time delay between attraction sounds during standby.
- ➔ **Strobe Effect Delay** - time delay between strobe effects during standby.
- ➔ **Back**

■ statistics

- ➔ Gameplay history information.

■ resets

- ➔ **Tickets Dispensers** - unlocks ticket dispensers after they run out of tickets.
- ➔ **Active Credits** - resets currently inserted credits.
- ➔ **Short Term Ticket Counter** - resets short term ticket counter.
- ➔ **Short Term Games Counter** - resets short term money counter.
- ➔ **Tickets Owed** - resets number of tickets owed by the machine.
- ➔ **All Time Best Score** - reset the all time high score.
- ➔ **Daily Best Score** - reset the daily high score.
- ➔ **Default Settings** - restores factory settings to the operator menu.
- ➔ **Back**

■ diagnosis

- ➔ **A/V test** - displays screen test pattern and plays speaker test sound.
- ➔ **Back**

■ copyrights

- ➔ Copyrights information.

■ exit

■ other menu elements

- ➔ **Tickets (short term/long term)** - erasable and non-erasable tickets counter.
- ➔ **Games (short term/long term)** - erasable and non-erasable money counter.
- ➔ **Game version** - version number of the application.
- ➔ **S/N** - serial number of the electronics board.

6. Software Update

Update procedure

We are constantly improving our products which means that every now and then there's a new software update available for your machine. It can bring new features, fix bugs and improve player experience.

When software update is available, your sales representative will contact you.

Warning: Updates are designed to work only on specific software versions. Trying to update unsupported machine will most likely end with the machine not working. Always make sure that you are using correct update files only with supported machines.

Notice: Performing update procedure can overwrite your machines settings with factory defaults. Make sure to write down your settings before performing this procedure.

- Turn the machine on and open service door.
- Use the service keyboard inside to enter operator menu and check your current software version at the bottom of the display.
- Make sure that update package provided by your sales representative is designed for your machine.
- Prepare empty USB drive formatted with FAT file system.
- Unpack provided update package to the root directory of the USB drive.
- Turn off the machine.
- Inside the machine there's an electronic board with 4 USB ports at the side. Connect UBS drive to one of the free ports.
- Turn the machine on and wait for the update procedure to be performed. After it's done game will start automatically.
Warning: Do not interrupt update procedure. Don't disconnect power or any accessories connected to the machine while the update procedure is performed.
- Enter operator menu to confirm that the machine is now running new software version.
- Turn the machine off and remove the USB drive from the machine.
- Turn the machine back on and adjust settings if needed.

7. Maintenance

Warning: High voltage can cause electric shock. Turn off and unplug power before servicing.

Use paper towels and window cleaner to clean the machine.

Do not apply window cleaner or any other liquid directly on the machine. Instead apply it on the paper towel.

Refilling tickets

1. Open service door.
2. Insert tickets and feed the ticket dispenser.
Notice: There's a button on the side of each ticket dispenser to turn on the mechanism and properly feed the dispenser.
3. Close the service door.
4. Press **SPACE** or **000** on the operator keyboard to confirm that ticket dispensers were refilled.

Checking counters

1. Open service door.
2. Locate service keyboard and press button 2 to enter operator menu.
3. At the bottom of the display you will see tickets and money counters.

8. Troubleshooting

Below you will find solutions to the most common problems. If your problem is not listed or if you require further assist, please contact technical support at support@arcadebee.zendesk.com.

Restore default settings

If you made some changes in the operator menu, you can go back to factory defaults:

1. Turn on the machine and wait for the game to start.
2. Open service door and locate service keyboard.
3. Press 2 on the service keyboard to enter operator menu.
4. Use 2 and 8 to highlight resets menu. Press 5 to enter resets menu.
5. Use 2 and 8 to highlight Default Settings. Press 5 to confirm.
6. Highlight Back and press 5 to exit resets menu.
7. Use 2 and 8 to highlight exit and press 5 to exit operator menu.

Machine should now use factory default settings.

Sound issues

Check the following:

1. Is the master volume knob is set properly?
2. Are volume levels in operator menu set properly?
3. Are both speakers connected properly?
4. Is the sound output plug (J1) connected properly?
5. Is the 3.5mm jack plug connected properly?
6. Is the red LED next to the master volume knob turned on?

Display issues

Check the following:

1. Is the machine powered on?
2. Is the display powered on?
3. Is the electronics powered on?
4. Is the HDMI cable connected properly on both ends?
5. Is the display set to HDMI1 input?

Ticket dispenser

Check the following:

1. Is the ticket dispenser connected properly?
2. Is the ticket dispenser not jammed with tickets?
3. Is the ticket dispenser working when pressing yellow service button on its side?

Currency acceptor

Check the following:

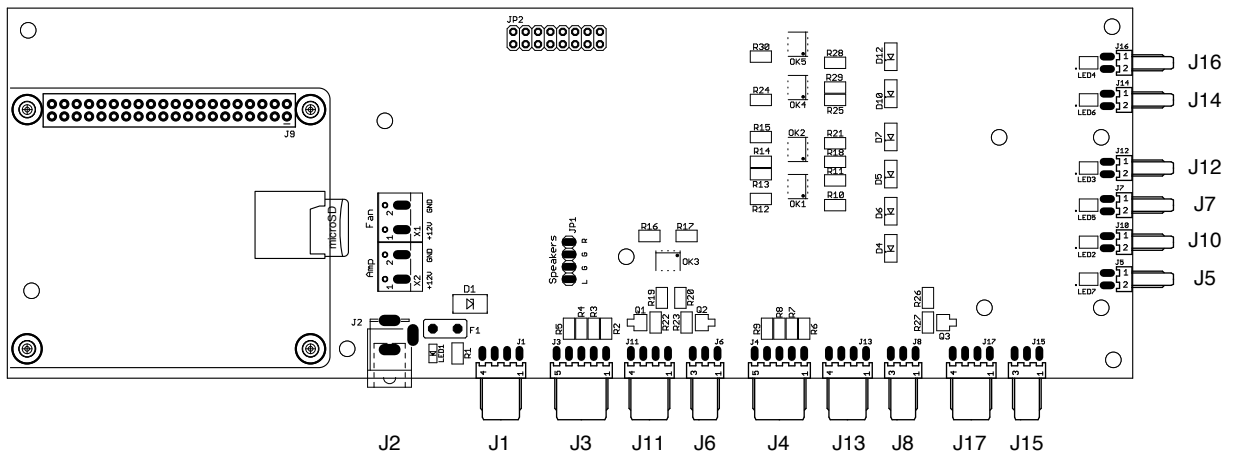
1. Is the currency acceptor connected correctly?
2. Is the currency acceptor not jammed?
3. Does the currency acceptor validate currency?
4. Is the Game Cost option in operator menu set properly?

Button

Check the following:

1. Is the button wiring connected properly on both ends?
2. Is the microswitch installed in the button properly?

Electronic board schematics



J2 - Power supply 12V

Pin 2 - Button signal

J11/J13 - Ticket dispensers

Pin 3 - Button signal

Pin 1 - +12V

J1 - Audio output

Pin 5 - GND

Pin 2 - Ticket Notch

Pin 1 - Left channel

Pin 2 - Left channel GND

Pin 3 - Right channel GND

Pin 4 - Right channel

J6/J8/J15 - Currency validators

Pin 1 - +12V

Pin 2 - Pulse (GND 100ms)

Pin 3 - GND

Pin 3 - Enable

Pin 4 - GND

J3/J4 - Buttons

Pin 1 - Button signal

9. Warranty Terms and Conditions

- a) All of Arcade Bee products are designed and manufactured according to best standards and they guarantee high quality, simplicity of use and assembly. In case of any trouble we advise to read the instruction and information published in technical support section on our website: <https://arcadebee.com/>
- b) Warranty rights are entitled to purchasers of Arcade Bee products and are based on an invoice or receipt. Arcade Bee products are under warranty for:
 - 24 months starting from the date of purchase made by consumers for non-commercial use,
 - 12 months starting from the date of purchase made by company for a commercial use.
- c) In case the product appears to be faulty Arcade Bee hereinafter called Arcade Bee, will organize repair in order to restore the functionality of the product.
- d) If any defects due to faulty materials and / or workmanship appears during the warranty period Arcade Bee will arrange repair free of charge. Repair in the first place is organized through consultation by telephone or e- mail and sending spare parts to replace defective items. In case of replacement of parts / components the beginning of the warranty period for this part shall be the original date of purchase. Arcade Bee warranty covers only products used for their intended purpose according to the information published in the manual.
- e) Beneficiary of the warranty is not entitled to claim compensation of the lost benefits for the period in which the unit under warranty fails to operate properly. Arcade Bee is not responsible for any damage to property or person caused by improper use of the Arcade Bee products.
- f) Arcade Bee warranty does not apply in the following cases:
 - purchasing documents have been altered in any way or made illegible,
 - model and / or serial number (if available) has been altered, removed or defaced,
 - repairs or modifications have been made without consulting Arcade Bee service department,
 - product is used contrary to its purpose,
 - damage is caused by improper use of the product or environmental conditions do not comply with the recommended operation,
 - damage is caused by improper connection of equipment ,additional equipment or accessories other than those recommended by Arcade Bee,
 - the damage was caused by an external force (including lightning, surges in the power supply, fire, natural disaster)or during transport,
 - the product is defective due to the decline in the quality of items that are subject to natural wear and tear or damage to the parts subject to natural scratching,
 - natural wear and tear of consumable parts or accessories such as lighting , gaskets , pucks, mallets, hammers or contacts,
 - defects or damage caused by accident, rollover, product's fall, mechanical damage caused by the users intentionally abusing physical force in the game,
 - defects and damage resulting from improper use of accessories to play,
 - defects or damage due to changes in the original form and/or function of the product specified in the product's manual - defects caused by incorrect connection , use, or storage of the product.
- g) Any defect should be reported in writing, or via e-mail sent to the Arcade Bee service department immediately, not later than seven days from the date of detection. Complaints

made of non-compliance procedures and time limits set forth in this warranty will void the warranty and will not be considered.

- h) Removal of identified defects must be made within not more than 14 days from the date of notification to Arcade Bee service department. If it happens that due to the incorrect diagnose of failures problem remains unsolved, a 14-day period is counted again from the date of re-application.
- i) Parts removed as a part of warranty service remain the Arcade Bee property and beneficiary of the warranty is obliged to return them immediately (in person at the Arcade Bee premises or by sending by a courier at their own cost). Failure to return the exchanged part within 30 days of the dispatch of spare parts / repair will form the basis for the invoice in the sum of the equivalent of spare parts.
- j) For warranty repair shall be considered only repair of a defective product made in the warranty period and under the conditions of this warranty. Any other activities such as: maintenance, periodic inspection, adjustment, checking and cleaning of the product will not be treated as a warranty repair.
- k) Product is not under the warranty in case of:
 - failure to report defects immediately upon discovery, but not later than seven days from the date of detection,
 - failure to follow product's manual in the operation, maintenance and adjustment of the product,
 - failure to comply with the mandatory terms of guarantee of the product,
 - any modification of the Product without the prior consent of the Arcade Bee.
- l) Arcade Bee has the right to refuse warranty service if the purchaser is in arrears with payments, regardless of their title, in particular default of payment for goods delivered by Arcade Bee to the Purchaser or service provided by Arcade Bee. In the case referred to in this section, Arcade Bee may refuse to perform any services under the guarantee and is exempt from liability to the purchaser under warranty.
- m) Only products purchased directly from Arcade Bee or its authorized dealers are under warranty. Further disposal of the product does not transfer rights under this warranty to a subsequent purchaser.