ARCADE LEGENDS

Owner's Manual

ARCADE LEGENDS™

1. LEGAL INFORMATION

1.1 SAFETY NOTICES

The following safety instructions apply to all game owners. We recommend that you read this page before setting-up Arcade Legends.

Use the following safety guidelines to help protect the system from potential damage and to ensure your personal safety.

- Use with only 115 volts/60Hz
- To help prevent electric shock, plug the system power cables into properly grounded power sources. These cables are equipped with 3-prong plugs to help ensure proper grounding. Do not use adapter plugs or remove the grounding prong from a cable. If you must use an extension cable, use a 3 wire cable with properly grounded plugs.
- To help protect your system from sudden, transient increases and decreases in electrical power, use a surge suppressor, line conditioner or uninterruptible power supply (UPS).
- Do not spill food or liquid on your system.
- Do not push any objects into the openings of the system. Doing so can cause fire or electric shock by shorting out interior components.
- Keep your game far away from radiators and heat sources.
- Do not block cooling vents.
- Be sure to turn off power before working on the machine
- Be sure to use fuses which meet the specified rating. (5A, 220V Quick-blow). Using fuses exceeding the specified rating can cause a fire and electrical shock.
- When working around the monitor, be extremely careful. Monitor parts are subject to high tension voltage. Even after turning off power some portions are still subject to high tension voltage. Monitor repair and replacement should be performed only by technical personnel who have knowledge of electricity and techinical expertise.

1.2 ENVIRONMENTAL CONDITIONS

Arcade Legends is intended for indoor use only. Be sure to keep dry and maintain operating temperatures of 50-104° Fahrehiet.

1.3 LICENSE INFORMATION

1.3.1 JOSHUA OPERATING SYSTEM

The JoshuaOS™ is used under license from Joshua Technology, Inc. Joshua Technology, Inc. retains all rights to the code, trademarks and copyrights. By accepting and operating an Arcade Legends, the owner/operator the unit agrees to abide by all copyrights and trademarks and not to attempt to decompile or modify the operating system in anyway. Questions regarding this operating system should be directed to technical support at www.ultracade.com or support@ultracade.com. JoshuaOS is copyrighted 2001-2002 by Joshua Technology, Inc.

1.4 WARRANTY INFORMATION

Arcade Legends is warranteed against manufacturing defects for 90 days. After that we will provide free telephone support.

1.4.1 WARRANTY SERVICE

If at some point you require warranty service, contact Chicago Gaming at (708)780-0070. Ask for technical support.

2. GAME SETUP
2.1 PRE-GAME INSTALLATION

Remove the game from the shipping container. Included with the game is an envelope containing the game keys, **SYSTEM INSTALL CD,** and Manual. Connect the wall cord to a grounded (3-terminal) AC wall outlet.

The following precautions should be followed when installing the game:

- Avoid rough handling of the game; the picture tube is fragile.
- Install the game on a level surface.
- Avoid installing the game where it will receive excessive sunlight or heat, to protect the game from rising internal temperatures.
- Do not install in a damp or dusty location.
- For a short time after connecting the power to the game, the picture may be temporarily distorted.

The monitor's purity is affected by the Earth's magnetic field, causing a variation of color. By turning the game on for 10 or 15 seconds and then off for 20 or 30 minutes the automatic degaussing circuit applies a degaussing field around the edges of the monitor. Doing this a number of times will correct the problem.

Another way to correct the problem is to purchase a degaussing coil or bulk tape eraser at any electronics store. This will help to immediately demagnetize the video tube. Caution must be used with a degaussing coil so that the magnetic field of the degaussing coil is not allowed to become too intense at any one place on the picture tube, thereby causing a localized color distortion.

If you move the game to another location after degaussing the distortion may reappear. Refer to the video monitor manual for details.

The game monitor is properly adjusted before shipping. If there are any adjustments necessary, refer to the video monitor manual. This manual contains all the manufacturers recommendations for adjusting the video monitor.

Primary monitor adjustments are located behind the faux coin door.

2.2 On/Off Switch

The On/Off switch is located on the top of the machine in the back right hand corner.

3. ARCADE SETUP MENU

Press the test button which is located behind the faux coin-door to access the **ARCADE SETUP MENU.** The test button can be accessed without opening the faux coin-door by pressing the coin-return button. If you want to limit access to the TEST button, open the faux coin door and control panel, loosen the nut on the back of the TEST button and move it to the left. Be sure to retighten the nut.

After you press the test button, you will see the AR-CADE SETUP MENU which will allow you to access the following:

3.1 Sound Volume

3.2 Game Configuration

3.3 Add Games

3.4 Diagnostics

3.5 Cabinet Setup

3.6 Delete High Scores

3.7 Time Accounting

3.8 Reset Accounting

FIGURE 3-1 ARCADE SETUP MENU

To choose a menu option, move the arrow or cursor so that the desired option is highlighted. This is done using the player one joystick. When the desired option is highlighted, press player one button one to select it and enter that submenu.

In this manual the term "highlight" will mean to position the arrow over the desired option. The term "select" will mean to press player one, button one. The exit option on all menus will always go back to a previous menu.

3.1 SOUND VOLUME

This menu option allows you to set the Sound Volume level between one and ten. To adjust, highlight Sound Volume on the ARCADE SETUP MENU (Fig. 3-1) and move the joystick to the left or right. Sound for the entire system can be turned off by setting the value to ZERO.

3.2 GAME CONFIGURATION MENU

This menu allows you to choose which games you wish to display on the main interface selection screen and to set the dipswitch settings for each game.

Use the following system for navigating this setup menu:

Joystick (Player One):
- **Up/down** moves left column cursor up or down
- **Left/right** pages left column cursor up or down

Buttons (Player One):
- **Button 1** executes choice or disables/enables a game
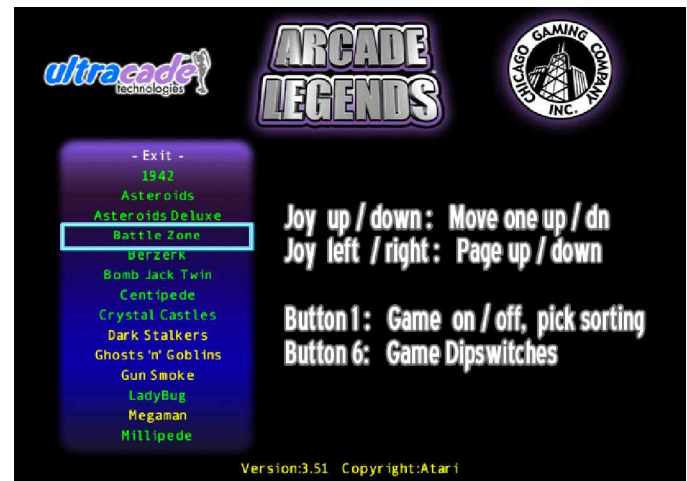- **Button 6** enters dipswitch menu for highlighted game

FIGURE 3-2 GAME CONFIGURATION MENU

3.2.1 DIPSWITCH SETTINGS

Each installed game comes set to its original factory default dipswitch settings. To change a game's settings highlight it and press button six. This will enter you into that game's unique dipswitch menu. To change a dipswitch setting, highlight it and move the joystick either left or right to adjust the setting. To restore the settings to factory defaults, highlight factory defaults and select.
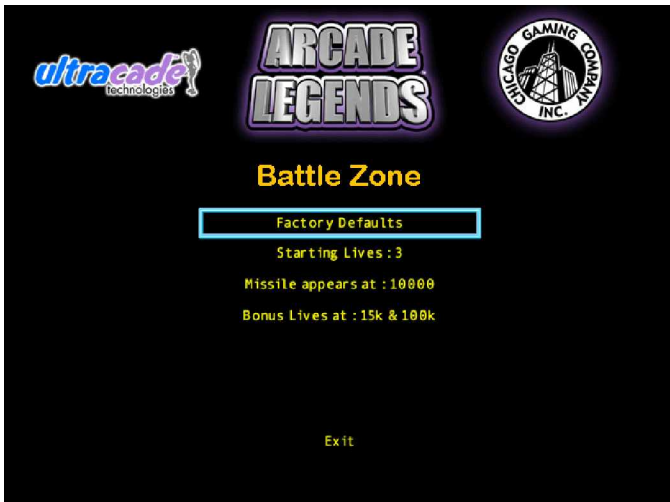
FIGURE 3-3 DIPSWITCH SETTINGS MENU

3.3 ADD GAMES MENU

The Add Games Menu allows you to add new games to your Arcade Legends via Game Packs. When you are ready to install a new Game Pack, enter the Add Games Menu and follow the directions included in the gamepack. The CD ROM is located behind the faux coin-door.

Arcade Legends gamepacks will allow you to expand the games you can play and will be available at www.arcadelegends.com.

3.4 DIAGNOSTICS

The diagnostics option will enter you into a sub-menu displaying the different diagnostics you can run on your Arcade Legends .

FIGURE 3-4 DIAGNOSTICS SUB-MENU

3.4.1 CONTROL TEST

This test is used to check the functionality of the player controls. Operate each player control in turn. Each button press or joystick direction will light when activated. If any controls are not functioning, go to the trouble shooting section. To exit the control test press both player one and player two start buttons. If one or both start buttons are not working the control test screen will automatically timeout in fifteen seconds.

FIGURE 3-5 CONTROL TEST

3.4.2 JAMMA TEST

The JAMMA Test is similar to the Control Test but it is expanded to encompass the entire JAMMA harness and connector. Operate each player control in turn through the JAMMA Test screen and check that it lights up on the screen. This process confirms the proper working order of the test button, coin drop, and wiring features. To exit the JAMMA Test press both player one and player two start buttons or wait fifteen seconds for the test to timeout and exit.

FIGURE 3-6 JAMMA TEST

3.4.3 SOUND TEST

This feature tests the stereo speakers. You will hear for each test the following:

• Left Channel: You will hear the voice coming from the left speaker.
• Right Channel: You will hear the voice coming from the right speaker.
• Left & Right Channel: You will hear the voice coming from both speakers.

- High Frequency: You will hear a high pitched sound coming from both speakers.
- Low Frequency: You will hear a low pitched sound coming from both speakers.
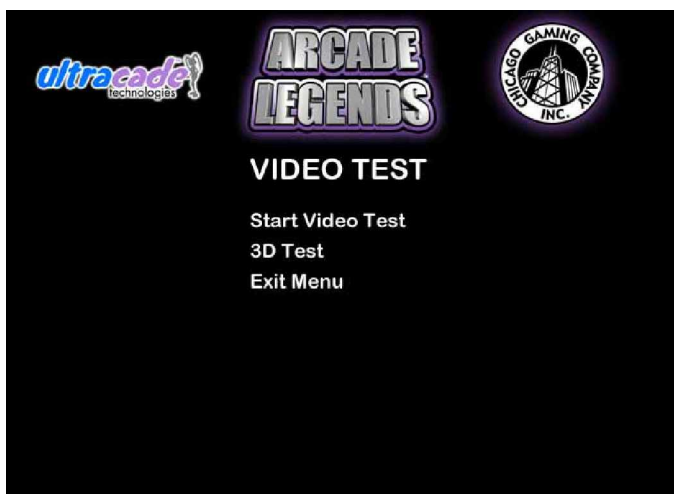

FIGURE 3-7 SOUND TEST

3.4.4 VIDEO TEST
This feature is a utility to use when making adjustments to the video monitor. When started, the test will cycle through the following screens:
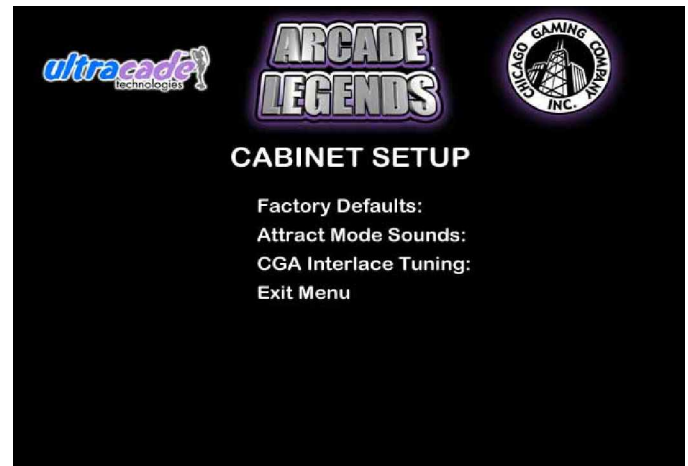
- Red
- Green
- Blue
- Color Bars
- Pin Cushion

To advance through the test screens press button one.

FIGURE 3-8 VIDEO TEST

3.5 CABINET SET-UP:

FIGURE 3-9 CABINET SETUP

3.5.1 ATTRACT MODE VOLUME
This option allows you to turn the Attract Mode Volume on or off. When set to "ON" all attract mode sounds will play. When set to "OFF" the fullscreen and windowed game attract mode sounds will not play. To change the values of this option highlight Attract Mode Volume on the Cabinet Configuration Menu (Fig. 3-10) move the joystick left or right.

Note: Some games naturally do not play any sound while in attract mode.

3.5.2 CGA INTERLACING TUNING
This option allows you to set CGA Interlacing to its most clear value. The range is 0-128. To change the setting, highlight CGA Interlacing Tuning on the Cabinet Configuration Menu (Fig. 3-10) and move joystick left or right until desired value appears.

3.6 DELETE HIGH SCORES
This menu option allows you to delete all high scores. Pressing the player one button will clear the game of all high scores.

3.7 Time Accounting
Time accounting allows you to track cummulative amount of time spent playing each game.

3.8 Reset Accounting
Reset Accounting allows you to clear the time accounting.

4. TROUBLESHOOTING

4.1 OS RE-INSTALLATION

The Arcade Legends Operating System comes pre-installed but if for any reason you need to reinstall your Arcade Legends operating system, follow these steps:

- Power Arcade Legends on.
- Open the faux coin-door and insert the system CD supplied with your Arcade Legends into the CD-ROM.
- Cycle the power (Turn off then on again).
- On reboot you will see the installation menu.
- Highlight Format and Install and select it.
- Input the unlock code which is located on the CD cover of the SYSTEM INSTALL CD.
- When the install is complete open the CD-ROM and remove the system CD.

4.2 TECHNICAL SUPPORT

Free telephone support is provided for the Arcade Legends System.

Technical Support is available from 9:00-5:00 Central Time, Monday through Friday. Call 1-708-780-0070. Ask for technical support.
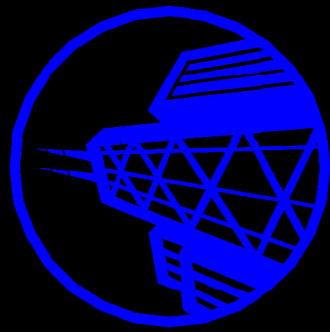
5.0 FCC COMPLIANCE:

Note: 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 intereference 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 corrent the interference by one of more of the following measures:
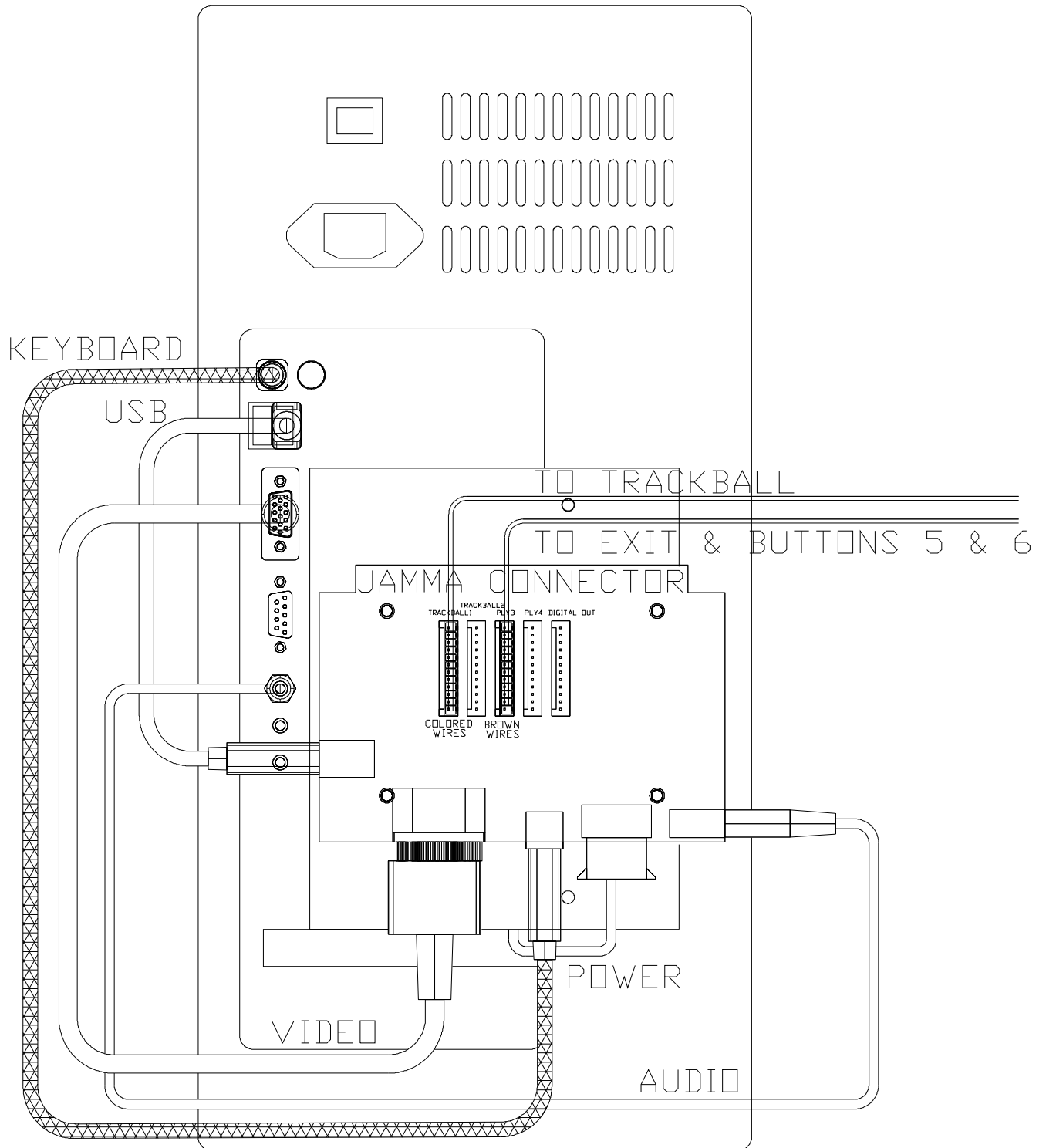
--Reorient or relocate the receiving antenna.

--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/technician for help.

KEYBOARD

USB

TO TRACKBALL

TO EXIT & BUTTONS 5 & 6

JAMMA CONNECTOR

TRACKBALL2
TRACKBALL1   PLY3 PLY4 DIGITAL OUT

COLORED   BROWN
WIRES   WIRES

VIDEO

POWER

AUDIO

Arcade Legends PC Cable Configuration