

User's Guide for

Jeff Gordon

Radio/CD Helmet

EXCALIBUR

ELECTRONICS, INC.



Model No.
RD501-24

www.ExcaliburElectronics.com

Congratulations on your purchase of the Jeff Gordon Radio/CD Helmet from Excalibur Electronics, Inc.

You and your friends will enjoy hours of fun listening to your favorite CDs or tuning in to the radio to listen as Jeff Gordon seals another victory.

Your Jeff Gordon Radio/CD Helmet is easy to use and maintain but be sure to read this manual thoroughly, especially noting safety and proper maintenance information.

Keep this manual for future reference.

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The legendary King Arthur brandished a magic sword, Excalibur, from which we take our company name. With this unique weapon in his hand, he could not be vanquished.

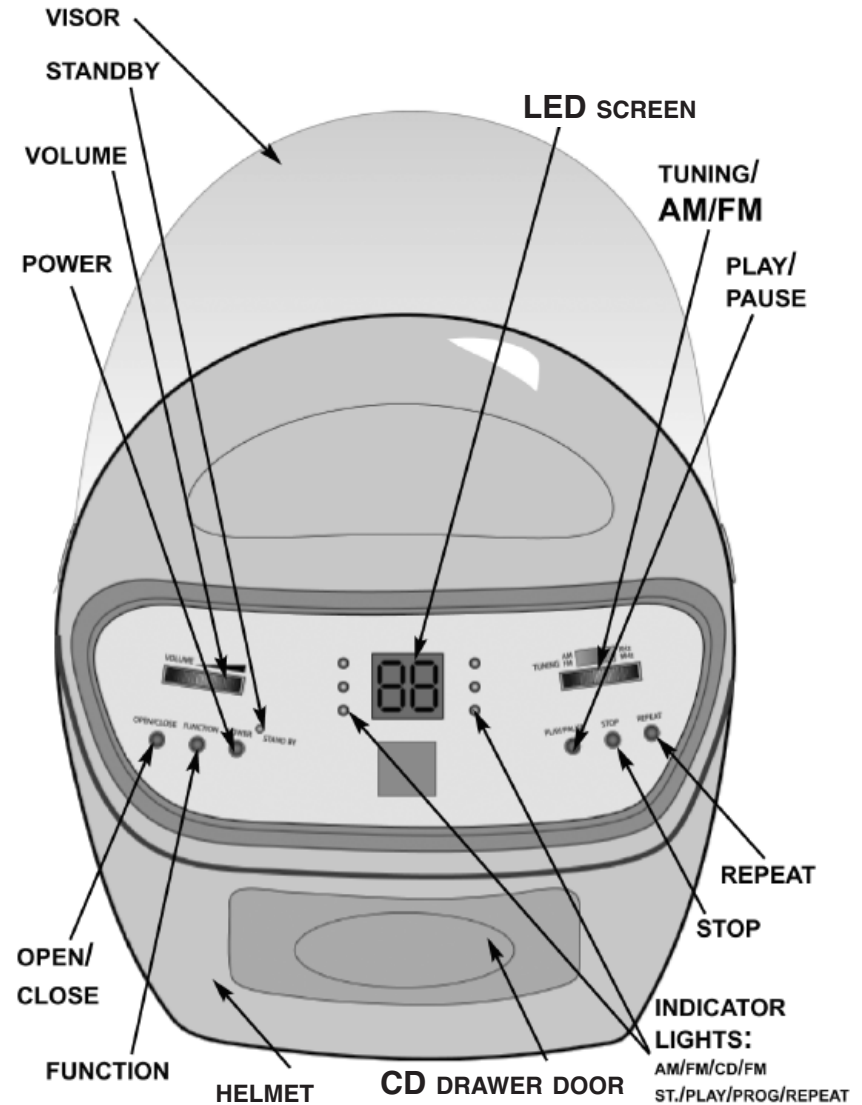
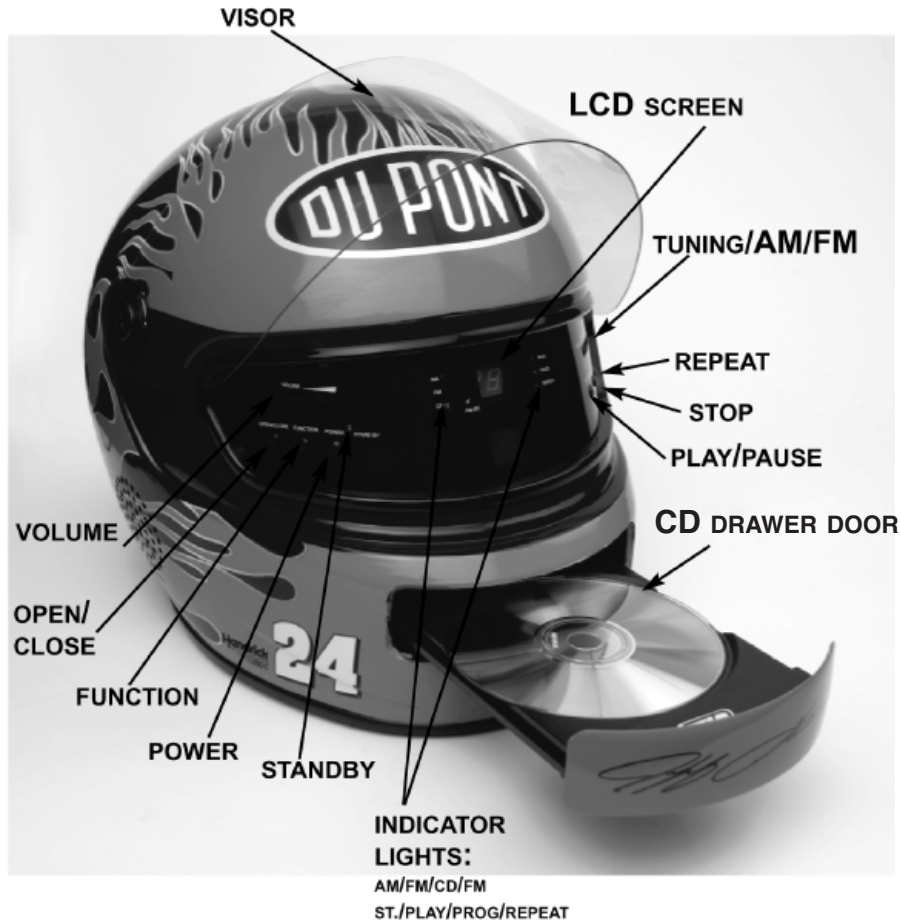
Although Excalibur Electronics can't claim the magical secrets of Merlin, King Arthur's court wizard, sometimes our patented technology may make it seem as if we could.

We make you think.

TABLE OF CONTENTS

Layout of the Jeff Gordon Radio CD Helmet	page 4
Get to know your Jeff Gordon Radio/CD Helmet ...	page 6
Using Your Jeff Gordon Radio CD Helmet	page 7
Radio	page 7
CD Player	page 7
Remote Control	page 7
CD Precautions	page 9
Reminders	page 10
Troubleshooting	page 10
Specifications	page 11
Warnings	page 11
Special Care and Handling	page 14
Limited 90-day Warranty	page 15

Layout of the Jeff Gordon Radio/CD Helmet



Get to know your Jeff Gordon Radio/CD Helmet

POWER: Turns the unit **ON** and **OFF**.

FUNCTION: Switches helmet between **FM**, **AM** and **CD** mode.

OPEN/CLOSE: Opens and closes the **CD** door.

STANDBY: When in **PAUSE** mode this indicator will light up.

VOLUME: Turn this knob to increase or decrease volume.

PLAY/PAUSE: Press when in **STOP** mode (with a **CD** loaded) to begin listening to a **CD**. Press again during **PLAY MODE** to pause the **CD**.

STOP: Press to stop a **CD** while playing.

REPEAT: Press once to set the Radio/CD helmet to repeat a desired track of a **CD**. Press once more to set the helmet to repeat

the entire **CD** when it is done playing.

TUNING: Use this knob to locate **AM** and **FM** stations when listening to the radio.

INDICATOR LIGHTS: These will light up according to which mode is in use; **AM/FM**; **CD**; **FM STEREO**; **PROGRAM**; **REPEAT**.

LCD SCREEN: Displays track number currently playing while listening to a **CD**.

REMOTE SENSOR: Receives signals from the remote control.

CD DOOR: This is where a **CD** can be loaded or removed.

FM ANTENNA: This antenna is provided for better reception of **FM** stations.

Using Your Jeff Gordon Radio/CD Helmet

Your Jeff Gordon Radio/CD Helmet can tune into **AM/FM** radio stations and play **CDS**. To begin, unpack all parts and remove protective packing around the unit. Plug in the **AC** adaptor into the unit first then into a three-pronged outlet. You are now ready to begin enjoying your Radio/CD Helmet.

Listening to the Radio

Turn the unit on by pressing the **POWER** button. Now with the **FUNCTION** button you can switch between **FM** or **AM** radio. After you have chosen, use the tuning wheel to locate a station that you wish to listen to. Adjust volume with the volume knob. Also, keep the **FM** antenna raised so that it has the best chance of picking up a strong signal.

Listening to a Compact Disc (CD)

Turn the unit on by pressing the **POWER** button. Now use the

FUNCTION button to set the unit on **CD** mode. Press the **OPEN/CLOSE** button to open the **CD** door. Load in a **CD** (with the label side facing up) and press **OPEN/CLOSE** again to close the **CD** door. After a moment the LED display will show the total number of tracks on the **CD** that was inserted. Press the **PLAY/PAUSE** button to begin playing the **CD**.

Using the Remote Control

Before using the remote control, remove the battery cover and insert two AA size batteries. Make sure that the batteries' polarities match the battery diagram shown on the battery compartment. When done, replace the battery cover and you are ready to use the remote control.

(NOTE: When remote control operation becomes erratic, or the distance from which it operates shortens, then it is time to

change the batteries on the remote control unit.)

Always keep in mind that the remote control works best when pointed directly at the remote sensor on the front of the unit (located just under the **LED** display.) The remote will function consistently when used within a distance of roughly 18 feet (6m.)

Do not expose the remote sensor to strong light (direct sunlight or artificial lighting) and make sure that there are no obstacles between the sensor and the remote control.

The remote control features six buttons, three of which are also located on the helmet itself. Those are **PLAY**, **PAUSE** and **STOP** and they function exactly as the buttons located on the unit. The other three buttons are unique to the remote control and provide for even more control over the CDs that you listen to.

Buttons on the Remote Control

R-SKIP: The **R-SKIP** button

will cycle through **CD** tracks in reverse. Therefore, if you'd like to listen to a previous track, use the **R-SKIP** button. You can also use **R-SKIP** to rewind through a track by pressing and holding it while the track plays.

F-SKIP: The **F-SKIP** button functions just like the **R-SKIP** button only forward. This button allows you to cycle through tracks in order. You can also use **F-SKIP** to fast-forward through a track by pressing and holding it while the track plays.

REPEAT: Press this button once to instruct the helmet to play the current track over and over. This track will play repeatedly until the helmet is instructed otherwise. The **REPEAT** indicator light on the helmet will begin to blink. Press **REPEAT** again to have the entire **CD** repeated when it is done playing through all the tracks. Now, the **REPEAT** indicator light will stay lit. Press one more time to turn **REPEAT** off. The indicator light will turn off.

PROGRAM: This button allows you to program the order in which the **CD** tracks will be

played. When the **CD** is in stop mode, press **PROGRAM** to begin selecting the order in which you want tracks to play. The track number and **PROGRAM** indicator light will flash. Use the **R-SKIP/F-SKIP** buttons to cycle through tracks until you have found the track that you'd like to play first. Press **PROGRAM** again and this track will be registered

and you may continue. Keep selecting tracks using the **PROGRAM** button to register them in the order that you desire. You may program up to 19 tracks in any order you wish. If you use all 19 slots the display will flash with "- -". If the **STOP** button is pressed during **PROGRAM MODE**, the unit will remove the content of the program and cancels program mode.

CD Precautions

If the **CD** is scratched, dirty, or incorrectly placed on the disc tray, it will not play properly.

Bear in mind the following points since any dirt, scratches or warping of the disc can cause broken or intermittent sound and noise.

When holding a **CD**, try to keep your hands off of the playing surface. Hold the **CD** by its edges.

Do not place discs in the following locations:

- Near a heating device or a place where the temperature is high.
- Damp or dusty areas.

Never use chemicals such as record sprays, anti-static sprays, benzene or cleaning fluid on your **CDS**.

Should there be any fingerprints or other smudges on the playing surface of the **CD** (opposite the side with the label) wipe gently using a soft cloth making sure to wipe from the inside out or from the center of the **CD** to the outer edge.

Reminders

Please read, follow and adhere to all instructions and safety precautions written in this manual.

Connect your Radio/CD helmet into a proper power supply source as described earlier in the users guidel.

Keep the power cord out of areas where it may be stepped on. Do not unnecessarily bend or pinch the cord or place the cord under a heavy object.

Troubleshooting

If your Radio/CD does not work properly, try one of the following solutions before seeking further assistance.

Problems listening to the Radio:

- Make sure the power is on and the unit is properly plugged to a viable power source.
- Make sure that you have turned up the volume enough.
- Sometimes radio signals may be weak, move the antenna around until you have found a better signal or, if necessary, move the entire unit to another

location where a proper signal can be found. Remember and keep the **FM** antenna raised for best signal.

Problems listening to a Compact Disc (CD):

- When listening to a **CD** make sure that the **CD** is properly inserted (label side up). Also, make sure that you have pressed the **PLAY** button to begin playing **CD** and that the volume is loud enough for you to hear it. Always remember to properly care and handle your **CD** as instructed earlier.

Specifications

Power Supply:

DC 12V
Output Power (Per Channel):
2.0 watts RMS into 8 ohm

Radio:

AM 530-1700 KHz
FM 88- 108 MHz

Compact Disc (CD):

Frequency Response (-3dB):
60 – 16000 Hz
Signal-to-noise Ratio: 70 dB
Harmonic Distortion: 0.4%

Warnings

- All warnings on your Jeff Gordon Radio/CD Helmet should be strictly adhered to.
- DO NOT connect the unit to any electrical outlet before checking the main voltage.
- Use of any controls, adjustments, or procedures other than those specified within this manual may result in hazardous radiation exposure.
- To prevent electrocution and fire, please adhere strictly to the following:
 - Do not place objects on or near ventilation openings or obstruct in any way the top, sides, or back (allowing several inches of space around unit to ensure proper ventilation) of your Jeff Gordon Radio/CD Helmet.
 - Keep helmet securely on a flat and dry surface area.
 - Do not expose your Jeff Gordon Radio/CD Helmet to rain, water/liquid, or moisture of any kind.

- Real humid conditions may cause condensation build up inside the unit causing the malfunction. If this occurs, allow the unit to stand and dry out for several hours before using again.
- When plugging into outlet, make sure to match the wider prong of the plug, to the wider entrance of the electric socket, making sure plug is fully in socket.
- When disconnecting, grip plug to remove. DO NOT pull the cord.
- Do not position your Jeff Gordon Radio/CD Helmet near heat sources such as radiators, heat registers, stoves, or any other appliance (including amplifiers) that produces heat.
- If you are not using your Jeff Gordon Radio/CD Helmet for an extended length of time, disconnect plug from socket.

What to do with a damaged Jeff Gordon Radio/CD Helmet.

The Jeff Gordon Radio/CD Helmet should be serviced by qualified service personnel when:

- The power-supply cord or plug has been damaged.
- Objects have fallen into, or liquid has been spilled into the appliance enclosure.
- The **CD** player has been exposed to rain.
- The **CD** player has been dropped, or the enclosure damaged.
- The **CD** player does not appear to operate normally or exhibits a marked change in performance.

Caution

To reduce the risk of electric shock, do not remove cover or bottom of your helmet radio. Refer servicing to qualified service personnel.

Grounding and Polarization

Precautions should be taken to ensure that the grounding or polarization of the Jeff Gordon Radio/CD Helmet is effective.

Cleaning

The appliance should be cleaned only as recommended by the manufacturer.

Power Lines

An outdoor antenna should be located away from power lines.

AC/DC Adapter

The Radio/CD Helmet is equipped with an **AC/DC** adapter. This adapter converts the input from the **AC** current to **DC** current.

Under no circumstances should the Jeff Gordon Radio/CD Helmet be connected to a socket on the wall without first passing through the supplied adapter. If for any reason the adapter supplied ceases to operate, you should contact a qualified service agency.

Special Care and Handling

- Avoid rough handling such as bumping or dropping.
- Avoid moisture and extreme temperatures. For best results, use between the temperatures of 39° F and 100° F (4° C and 38° C).
- Clean using only a slightly damp cloth. Do not use cleaners with chemical agents.
- To prevent fire or shock hazard, **DO NOT** expose this appliance to rain or moisture.
- Remember to disconnect the Jeff Gordon Radio/CD Helmet from any outlet when not in use.
- **CAUTION:** To reduce the risk of electric shock, **DO NOT** remove cover or bottom of your Radio/CD Helmet. Send for servicing to qualified service personnel.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 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.

Excalibur Electronics reserves the right to make technical changes without notice in the interest of progress.

LIMITED 90-DAY WARRANTY

EXCALIBUR ELECTRONICS, INC., warrants to the original consumer that its products are free from any electrical or mechanical defects for a period of 90 DAYS from the date of purchase. If any such defect is discovered within the warranty period, EXCALIBUR ELECTRONICS, INC., will repair or replace the unit free of charge upon receipt of the unit, shipped postage prepaid and insured to the factory address shown at right.

The warranty covers normal consumer use and does not cover damage that occurs in shipment or failure that results from alterations, accident, misuse, abuse, neglect, wear and tear, inadequate maintenance, commercial use, or unreasonable use of the unit. Removal of the top panel voids all warranties. This warranty does not cover cost of repairs made or attempted outside of the factory.

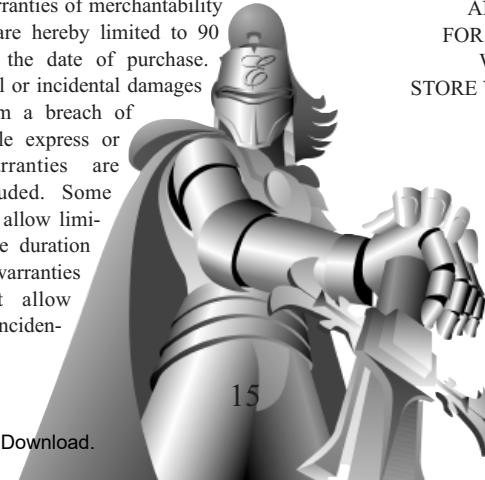
Any applicable implied warranties, including warranties of merchantability and fitness, are hereby limited to 90 DAYS from the date of purchase. Consequential or incidental damages resulting from a breach of any applicable express or implied warranties are hereby excluded. Some states do not allow limitations on the duration of implied warranties and do not allow exclusion of incident-

tal or consequential damages, so the above limitations and exclusions in these instances may not apply. The only authorized service center in the United States is:

Excalibur Electronics, Inc.
13755 SW 119th Ave
Miami, Florida 33186 U.S.A.
Phone: 305.477.8080
Fax: 305.477.9516
www.ExcaliburElectronics.com

Ship the unit carefully packed, preferably in the original carton, and send it prepaid, and adequately insured. Include a letter, detailing the complaint and including your daytime telephone number, inside the shipping carton. If your warranty has expired and you want an estimated fee for service, write to the above address, specifying the model and the problem.

PLEASE DO NOT SEND
YOUR UNIT WITHOUT
RECEIVING
AN ESTIMATE
FOR SERVICING.
WE CANNOT
STORE YOUR UNIT!



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