



# McCORMACK AUDIO

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BEYOND YOUR EXPECTATIONS, WITHIN YOUR REACH.

*Thank you* for purchasing a McCormack Audio DNA-HT5 Power Drive. This amplifier was hand crafted with top quality, highly reliable components. We are confident that you will be well satisfied with its sonic performance and find pleasure in its functional beauty.

Before you enjoy these experiences, however, please take a few minutes to read this Owner's Manual and acquaint yourself with the instructions for optimal operation. This will ensure your listening pleasure today, and for many years to come.

## **OPERATING INSTRUCTIONS**

**UNPACKING**--Be sure to save the box and packing materials. Store them in a dry environment. It is best to use the original package should you need to transport your DNA-HT5 Power Drive.

**INSTALLATION** -- Place your DNA-HT5 Power Drive on a stable surface in a location which allows adequate ventilation. If it is sitting on a carpet, use either a flat board or Tiptoes underneath to keep the ventilation slots unobstructed. Do not locate it in direct sunlight or expose it to extremely high temperatures (above 70 degrees Centigrade/154 degrees Fahrenheit). Allow at least four inches of open space on each side, and six inches of open space both above and behind. In a stack of components, place it only at the top or the bottom. Do not block the ventilation slots on the top or bottom, or the heat sinks on each side.

Position the DNA-HT5 Power Drive as close as possible to its final installation location, while allowing access to the back panel connectors.

**CONNECTIONS** -- The DNA-HT5 Power Drive uses standard RCA phono jacks for input connectors, and binding posts for output connectors. Please remember that selecting high quality cables for use with this revealing component will result in superior sonic performance from your system.

**IMPORTANT!** Always install the interconnect cables first when connecting an amplifier, and remove them last when disconnect-

ing an amplifier. This will prevent potential damage to the loudspeakers in case the power supply has not fully discharged.

1. Install interconnect cables from the main output of your processor/preamplifier to the input RCA jacks located on the rear panel. Please note the channel designators, and be certain the plugs are fully inserted, making a tight connection.

2. Install suitable speaker cables from your speaker's input connectors to the output connectors located on either side of the rear panel. Note the channel and polarity designators. When finished, recheck that all connections are correct and tight.

3. Your DNA-HT5 has a Remote Turn-On feature. Locate the "12 Volt Trigger" terminal Strip and associated toggle switch on the back of the amplifier. If you will not be using the Remote Turn-On feature, switch the toggle to the "Manual" position. If you will be using the Remote Turn-On feature, switch the toggle to the "Remote" position and connect a pair of wires (ordinary "zip-cord" will do fine) from the controlling unit (e.g. your processor/preamp) to the "12 Volt Trigger" terminal strip. Be sure to observe the indicated polarity. Note, this circuit will function properly on a control voltage of between 5 and 15 volts DC.

4. Check that the power switch on the front panel is in the off position. Plug the AC power cord into the DNA-HT5 Power Drive, then plug the other end into an appropriate wall socket.

5. Move the DNA-HT5 Power Drive to its permanent location. Check that your system's volume control is turned down all the way. Turn on the front panel power switch. If you have positioned the back panel toggle switch in the "Manual" position, your DNA-HT5 is ready for operation. If you are using the Remote Turn-on feature, your DNA-HT5 will be switched on and off by the unit providing a DC voltage to the "12 Volt Trigger". Note that switching the front panel switch to the off position will override the Remote Turn-On circuit and switch the amplifier off.

**BREAK-IN AND WARM-UP PERIODS** -- Your DNA-HT5 Power Drive has already been burned in at the factory. However, like all high quality components, it will still require a break-in period of approximately 50 hours before it will sound its best. The DNA-

HT5 Power Drive is always ready to play when turned on, but it will not settle into optimal operation for at least 30 minutes.

## **FUSES**

AC MAINS FUSE--You have easy access to this fuse. It is located on the rear panel, in the lower section of the AC inlet module into which the power cord connects. You must first remove the AC power cord from this module to gain access to the fuse tray, then slide the tray out using a fingernail or small screwdriver. Correct fuse values are:

- for 120V ac mains: 20mm T10A (slow blow)
- for 220/240V ac mains: 20mm T6.3A (slow blow)

Replace it only with the correct type and value. If the fuse blows again immediately or after a short time, do not continue replacing it, as a fault condition exists which must be corrected.

B+/B- POWER SUPPLY "RAIL" FUSES --These are the ten fast-blow fuses mounted on the bottom of the circuit board near the heat-sinks inside the chassis (five fuses along each heat sink). The fuse clips accommodate two 4 amp 20mm F4 fuses per channel. To replace these, first unplug the AC power cord from the DNA-HT5 Power Drive, then remove the screws holding the bottom cover in place and lift it off. Replace these fuses only with the same value - 4 amp - F type (fast blow) fuse.

*Location of fuses, bottom view of pboard*

front panel .



## **SPECIFICATIONS**

Output Power:

150 watts per channel into 8 ohms, and 250 watts per channel into 4 ohms, associated channels driven (LF,C and RF/LR and RR) from 20 Hz to 20 kHz at less than 1% THD.

Input Impedance: 100 kOhms

Input Sensitivity: 1.0 Vrms

Voltage Gain: 30.5 dB

Frequency Response: -3dB @ .5 Hz, 200kHz

Signal-to-Noise: 98 dB

Harmonic Distortion (1 KHz, 8 ohm load): .05%

Signal Polarity ("Absolute Phase"): Non-Inverting

Power Requirements (117V/60HZ):

0.65 Amps /80 Watts @ Idle

12 Amps/ 1500 Watts @ Clipping (8 ohms)

Dimensions: 19" W x 7 3/8" H x 15" D

Shipping Weight: 65 lb.

## **TROUBLESHOOTING GUIDE:**

*Problem: Amplifier does not operate, indicator light does not light at all.*

Check AC power cord connections (both ends). Check the AC outlet for power.

If the AC connections are proper and the outlet is live, check the AC line fuse, replacing if necessary. Note that a spare fuse has been provided in one section of the pull-out fuse tray. Retest the amplifier. If the AC line fuse blows again, contact your dealer for servicing information.

*Problem: Amplifier does not operate; indicator light comes on.*

Check the condition of the B+/B- rail fuses. Replace any blown fuses. Turn on the amplifier and check operation. If the B+/B- rail fuses have blown again, contact your dealer for servicing information.

*Problem: Amplifier turns on normally, but no sound is produced.*

Check all connections carefully. Check your preamplifier's input, mute, and volume settings.

If you have any questions regarding the DNA-HT5 Power Drive amplifier, please contact your McCormack Audio Dealer.