

# ***NEXUS***

## ***VIP series II***

***HEXFET & SMPS TECHNOLOGY  
AUDIO POWER AMPLIFIER***

### ***OWNERS MANUAL***

***FOR EUROPEAN  
220V - 230V  
OPERATION***



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# GETTING STARTED

## PREFACE

ALTHOUGH THE POWER AMPLIFIER IS A RUGGED PIECE OF PROFESSIONAL AUDIO EQUIPMENT AND IS HEAVY, IT IS ALSO A HIGH SPECIFICATION MODERN ELECTRONIC ASSEMBLY AND SHOULD BE HANDLED WITH CARE.

THE PACKAGING OF THE UNIT IS SPECIFICALLY DESIGNED TO SAFELY TRANSPORT THIS PRODUCT. IN THE UNLIKELY EVENT OF THE PRODUCT REQUIRING SERVICING, THIS PACKAGING IS THE SAFEST WAY TO TRANSPORT IT.

ALL UNITS ARE FACTORY SET FOR 220-230V OPERATION.

UNITS FACTORY MADE FOR 110/120V SUPPLY ARE CLEARLY MARKED ON THE BACK AND SHOULD **NOT** BE CONNECTED TO ANY HIGHER VOLTAGE POWER SOURCE.

## INSTALLATION

THIS POWER AMPLIFIER HAS BEEN DESIGNED FOR RACK MOUNTING USE, IN A RACKING ENCLOSURE MADE TO B55954, IEC297 OR DIN 41494 STANDARDS.

- A. THE UNIT MUST BE MOUNTED IN THE HORIZONTAL POSITION WITH CLEAR COOL AIR FLOW OF 10CM AROUND EACH VENT. **DO NOT STAND OR USE RACKS NEAR HEATING DUCT OUTLETS, APPLIANCES OR RADIATORS.**  
IF THE RACK IS PLACED IN AN ENCLOSED AREA (CUPBOARD ETC.) MAKE SURE THAT THERE IS PLENTY OF REAR VENTILATION AND THE AIR IS NOT RECYCLING.
- B. RACK MOUNTING - EARS ARE PROVIDED FOR BOTH FRONT AND REAR SUPPORT; A CHOICE OF MOUNTING POSITION IS GIVEN ON THE FRONT BRACKETS (EITHER PROUD & LEVEL WITH THE FRONT PANEL OR SUNK BY 20MM AND FLUSH WITH THE FRONT ESCUTCHEON.)
- C. CARE IS REQUIRED WHEN INSTALLING THESE UNITS IN A RACK. IT IS ADVISED TO PUT THE RACK ON ITS BACK, THEN PLACE ALL THE EQUIPMENT BEING FITTED INTO IT BEFORE FITTING RETAINING BOLTS TO AVOID UNNECESSARY HANDLING DAMAGE. REAR SUPPORT BRACKETS ARE STRONGLY RECOMMENDED TO BE USED ON EACH UNIT, TO AVOID TRANSIT DAMAGE.

## CONNECTIONS



AT THE BACK OF THE NEXUS AMPLIFIER YOU WILL FIND THE FOLLOWING CONNECTION SOCKETS: -

- A. MAINS INLET: TO CONNECT THE UNIT, VIA A MAINS LEAD, TO THE MAINS POWER SUPPLY.
- B. INPUT XLR'S: INPUT TO AMPLIFIER.
- C. INPUT XLR'S: INPUT TO AMPLIFIER.
- D. 2 PAIRS OF SPEAKON'S FOR CONNECTION TO LOUDSPEAKERS.
- E. MAINS INLET SOCKET: 16A - 6.3MM PIN UL / CSA APPROVED CONNECTOR

ALSO ON THE BACK OF THE AMPLIFIER YOU WILL FIND:

- F. +4dB - 0dB SWITCH FOR SETTING THE INPUT SENSITIVITY.
- G. GROUND ISOLATION SWITCH: COUPLES OR DE-COUPLES THE INPUT GROUND, TO AVOID HUM LOOPS
- H. MONO MODE SWITCH: FOR SWITCHING BETWEEN MONO AND STEREO MODES.
- I. LIMITER SWITCH - PROVIDES NATURAL NON-COMPRESSION LIMITING AGAINST CLIPPING AND OVERLOAD



A.



B.



C.



D.

### INPUT/OUTPUT LINK CABLES

ALL THE INPUTS ARE BALANCED FOR LOW NOISE AND TO GIVE HIGH QUALITY FROM PROFESSIONAL EQUIPMENT, BUT CAN BE USED FOR UNBALANCED SOURCES BY USING THE XLR CONNECTORS AS SHOWN, ALTHOUGH IT IS ADVISED THAT THE CABLE LENGTHS BE AS SHORT AS POSSIBLE.

EACH PAIR OF SOCKETS FEATURE BOTH MALE & FEMALE XLR TYPE CONNECTORS AND CAN BE USED FOR BALANCED OR UNBALANCED SIGNALS.

THEY ARE CLEARLY MARKED INPUT & OUTPUT

A. = UNBALANCED INPUT MALE XLR      B. = BALANCED INPUT MALE XLR  
C. = UNBALANCED OUTPUT MALE XLR      D. = BALANCED OUTPUT MALE XLR

CONNECTING THE INPUT SIGNAL: - THE INPUT SIGNAL CAN BE CONNECTED TO THE XLR INPUT OF EITHER OR BOTH CHANNELS. THE SIGNAL MAY COME FROM ANY SUITABLE LINE LEVEL OUTPUT, E.G., MIXER OR ANOTHER AMPLIFIER (LINK OUTPUT). ALL INPUT CONNECTIONS MUST USE SHIELDED/SCREENED CABLES.

**DO NOT CONNECT WITH SPEAKER CABLES.**

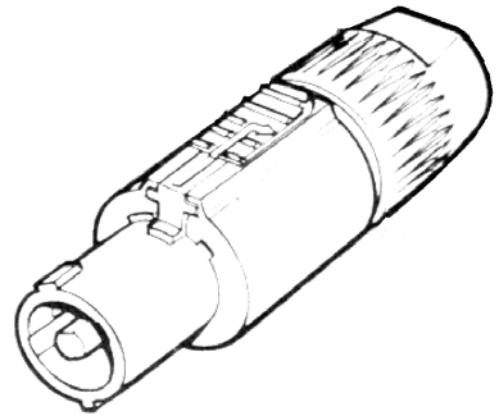
THE INPUTS ARE ELECTRONICALLY BALANCED FOR THOSE WHO REQUIRE THIS FACILITY, XLR'S CONFIGURATIONS ARE PIN 1 = GROUND, PIN 2 = HOT & PIN 3 = BALANCED SIGNAL. THEY CAN BE USED UNBALANCED, PLEASE MAKE SURE YOUR XLR'S ARE GROUNDED ON PINS 1 & 3 WITH PIN 2 AS 'HOT' FOR THIS APPLICATION.

CONNECTING A LINK SIGNAL: - PARALLEL LINK S / 'DAISY CHAIN' HOOK UPS SHOULD BE MADE USING THE APPROPRIATE MALE XLR SOCKETS.

### OUTPUT CONNECTIONS

CONNECTING THE OUTPUT SIGNAL:-

A PAIR OF SPEAKON™ CONNECTORS ARE FITTED AND ARE WIRED +1 = SPEAKER + - 1 = SPEAKER -; +2 & -2 ARE NOT CONNECTED.



### POWER CONNECTION

THE WIRES IN THE MAINS LEAD ARE COLOURED:

EARTH: GREEN/YELLOW NEUTRAL: BLUE LIVE: BROWN

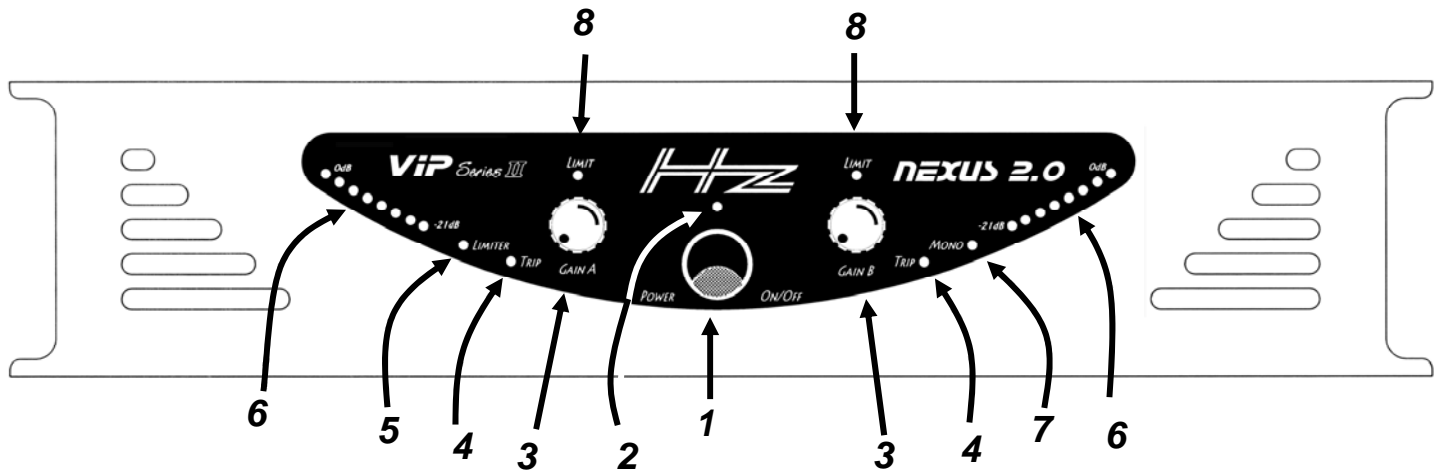
AS THESE COLOURS MAY NOT CORRESPOND WITH THE COLOUR MARKINGS IDENTIFYING THE TERMINAL IN YOUR PLUG SO PROCEED AS FOLLOWS: GREEN/YELLOW WIRE MUST BE CONNECTED TO THE TERMINAL WHICH IS MARKED WITH THE LETTER E OR COLOURED GREEN. - BROWN WIRE MUST BE CONNECTED TO THE TERMINAL WHICH IS MARKED WITH THE LETTER L OR COLOURED RED. - BLUE WIRE MUST BE CONNECTED TO THE TERMINAL THAT IS MARKED WITH THE LETTER N OR COLOURED BLACK.

### PLEASE NOTE

**THIS AMPLIFIER AT FULL POWER  
DRAWS A LEAST 13 AMPS  
- IT IS THEREFORE ADVISABLE  
WHEN USING THIS ON A  
DOMESTIC AC SUPPLY TO PLUG  
DIRECTLY INTO THE POWER  
SOURCE AND NOT INTO ANY  
SHARED DISTRIBUTION UNIT.**

## OPERATION

*YOUR NEXUS AMPLIFIER IS NOW READY FOR USE. BEFORE ATTEMPTING TO OPERATE IT, HOWEVER, IT IS ADVISABLE TO FAMILIARISE YOURSELF WITH THE FUNCTIONS OF THE CONTROLS AND THE SIGNIFICANCE OF THE INDICATORS.*



- 1. POWER SWITCH:** *SWITCHES ON THE ISOLATING POWER RELAY FROM THE MAINS POWER SUPPLY.*
- 2. BLUE ON LED:** *INDICATES THE AMPLIFIER IS ON.*
- 3. ROTARY GAIN CONTROLS:** *SETS THE GAIN VOLUME FOR EACH CHANNEL OF THE AMPLIFIER.*
- 4. TRIP:** *INDICATES A THE AMPLIFIERS PROTECTION CIRCUIT IS OPERATION ON THIS CHANNEL.*
- 5. LIMITER LED:** *INDICATES THAT THE LIMITER IS SELECTED*
- 6 BAR GRAPH METERS:** *THESE ARE CALIBRATED TO INDICATE THE AMPLIFIERS PERFORMANCE*
- 7. MONO MODE LED:** *MONO MODE IS SELECTED WHEN THIS INDICATOR IS LIT.*
- 8. LIMIT INDICATORS:** *THESE WILL FLASH ON DYNAMIC PEAKS WHEN THE CIRCUITRY IS LIMITING.*

## BAR GRAPH METERS

*3 COLOUR PEAK READING BAR GRAPH METERS ARE PROVIDED TO MONITOR THE SIGNALS BEING AMPLIFIED, THUS GIVING YOU A CONSTANT WARNING OF EXCESSIVE PEAKS IN THE PROGRAM MATERIAL WHICH MIGHT CAUSE OVERLOADING. TRY TO KEEP THE SIGNAL LEVEL WITHIN THE AMBER SEGMENTS. WHEN THE LIGHT CHANGES TO RED IT IS INDICATING FULL POWER OF THE AMPLIFIER HAS BEEN REACHED AND THE ONSET OF DISTORTION. ITS NOT RECOMMENDED TO ALLOW THESE TO LIGHT TO IN THE RED CONTINUOUSLY, BECAUSE ALTHOUGH IT SOUNDS UNDISTORTED TO THE EAR, LONG TERM DAMAGE TO LOUDSPEAKERS, & HORNS MAY OCCUR. REDUCE YOUR INPUT LEVEL, SO THE RED LED'S FLASH OCCASIONALLY; IF THIS IS NOT ENOUGH VOLUME, THEN YOU ARE UNDER-POWERED FOR YOUR APPLICATION AND SHOULD CONSIDER INCREASING YOUR SYSTEMS SIZE BEFORE DAMAGE OCCURS TO THE REST OF YOUR EQUIPMENT.*

## LIMITER

*A DUAL CHANNEL LIMITER CIRCUIT IS AVAILABLE, IT IS DESIGNED TO CONTROL THE AVERAGE DYNAMICS OF INPUTTED AUDIO, TO STAY WITHIN THE AMPLIFIERS HEADROOM AND POWER SUPPLY CAPABILITIES. THIS IS CIRCUIT IS NOT COMPRESSION AND DOES NOT 'BREATH' UNLIKE MOST OTHER LIMITER CIRCUITS.*

## MONO MODE

*SELECT EITHER MONO OR STEREO MODE CAN BE MADE AT ANY TIME, USING THE BUTTON AT THE REAR OF THE UNIT. IN THE STEREO MODE, THE LEFT AND RIGHT CHANNELS BEHAVE INDEPENDENTLY. IN THE MONO MODE THE RIGHT INPUT SOCKETS ARE FED INTO BOTH THE LEFT AND RIGHT AMPLIFIERS. THE LEFT INPUT WILL NOT FUNCTION. THE YELLOW LIGHT ON THE FRONT PANEL INDICATES MONO MODE SELECTION.*

## TRIP INDICATORS

*THE RED TRIP INDICATOR LED WILL LIGHT, WHEN THE PROTECTING CIRCUITRY OF THE AMPLIFIER FINDS A FAULT AND SHUTS DOWN THE CHANNEL TO AVOID ANY DAMAGE TO THE SYSTEM.*

*MOST FAULTS GENERALLY OCCUR FOR THE FOLLOWING REASONS:*

*AN UNACCEPTABLE LOAD HAS BEEN CONNECTED TO EITHER OUTPUT. THE AMPLIFIER WILL NOT RUN UNTIL THE OFFENDING CONNECTION HAS BEEN REMOVED: SO SWITCH OFF AND REMOVE ALL OUTPUT CABLES AND ALSO CHECK FOR SHORT CIRCUITS OR WRONG LOAD, (IMPEDANCE IS TOO LOW FOR SAFE OPERATION).*

### **DO NOT SWITCH ON AMPLIFIER BEFORE CONNECTING THE OUTPUT CABLES AND LOADS**

*UNDER NORMAL CONDITIONS THE TRIP INDICATOR SHOULD NEVER LIGHT. IN EXTREME OVERLOAD CONDITIONS IT MAY COME ON, BUT IT IS USUALLY PROCEEDED BY VERY HEAVY DISTORTION. IF THIS HAPPENS THEN TURN DOWN AMPLIFIER VOLUMES, THEN WAIT UNTIL THE AMPLIFIER HAS COOLED. (INDICATED BY COLD AIR COMING OUT OF THE AIR OUTLET), TURN THE AMPLIFIER VOLUMES BACK TO A REASONABLE SETTING, TAKING NOTE OF THE PEAK INDICATORS ON THE BAR GRAPH. IF THE PROBLEM PERSISTS, FIRSTLY THE COOLING SYSTEM FOR THE AMPLIFIER SHOULD BE CHECKED, , I.E., IS THE AIRFLOW OBSTRUCTED BY SOMETHING AGAINST THE GRILLES, OR IS THE AMPLIFIER ENCLOSED IN A SEALED RACK WITH NO AIR VENTS. IF THE TRIP LIGHT STILL FAILS TO EXTINGUISH AFTER MAKING THESE CHECKS, THEN THERE COULD BE AN INTERNAL FAULT IN THE AMPLIFIER AND THE RELEVANT SPEAKER(S) HAVE BEEN DISCONNECTED TO PROTECT THEM. ADVICE SHOULD BE SOUGHT FROM YOUR DEALER.*

### **POWERING UP**

*YOU TURN THE AMPLIFIER OFF BY USING THE LITTLE BLACK ROCKER SWITCH ON THE FRONT PANEL.*

*PLEASE NOTE: IT IS GOOD PRACTICE TO TURN DOWN THE CHANNEL VOLUME CONTROLS DURING SWITCH ON AS PRECAUTIONS AGAINST SPEAKER DAMAGE, AS THIS CAN BE CAUSED BY INSTANT HIGH LEVEL FEEDBACK FROM AN OPEN CHANNEL MIXER AND MIC, OR SYSTEM INSTABILITY.*

### **AMPLIFIER MAINTENANCE**

*THE AMPLIFIER CONTAINS NO USER SERVICEABLE PARTS INSIDE. MAINTENANCE SHOULD BE MAINLY PREVENTATIVE, TAKING CARE TO FOLLOW THE PREVIOUS INSTRUCTIONS, TO ENSURE LONG TERM RELIABILITY. DUE ATTENTION SHOULD BE PAID TO THE CONDITION OF ALL SPEAKER AND MAINS INTERCONNECTION LEADS AND CONNECTORS. IF REQUIRED THE OUTSIDE OF THE AMPLIFIER CAN BE CLEANED USING A DAMP, LINT FREE CLOTH. DO NOT CLEAN USING SOLVENTS, DETERGENTS OR ABRASIVES.*

### **FAULTS AND THEIR LIKELY CAUSES**

*ALTHOUGH THE GREATEST CARE HAS BEEN TAKEN IN THE MANUFACTURE OF THE POWER AMPLIFIER, THE POSSIBILITY REMAINS THAT FAULTS COULD OCCUR DURING USE OR DIFFICULTIES COULD BE EXPERIENCED DURING INITIAL INSTALLATION.*

*THE CAUSE HOWEVER WILL RARELY BE FOUND TO BE THE INTERNAL AMPLIFIER. BELOW IS A LIST OF SYMPTOMS AND POSSIBLE CAUSES. SOME OF THE SUGGESTED CAUSES MAY APPEAR OBVIOUS BUT THEY CAN BE EASILY OVERLOOKED.*

*UNDER NO CIRCUMSTANCES SHOULD YOU OPEN THE AMPLIFIER: THIS IS DANGEROUS, WILL EXPOSE HIGH VOLTAGES, AND WILL INVALIDATE ALL RIGHTS UNDER THE GUARANTEE.*

- 1. AFTER TURNING THE 'POWER' SWITCH THE 'POWER' INDICATOR DOES NOT LIGHT.  
THE MAINS PLUG IS NOT PUSHED FAR ENOUGH INTO THE AMPLIFIER – THERE IS NOT SUPPLY AT THE MAINS SOCKET.  
CHECK USING AN ALTERNATIVE ELECTRICAL APPLIANCE.  
THE MAINS FUSE IS BROKEN, LOCATED ON THE REAR OF THE AMPLIFIER, REPLACE USING APPROPRIATE 32MM FUSE.*
- 2. WHEN THE VOLUME CONTROLS ARE ADVANCED NO SOUND IS HEARD.  
NO INPUT SIGNAL CONNECTED TO INPUT SOCKET, CHECK TO SEE IF BAR GRAPH LIGHTS ARE SHOWING A LEVEL.  
NO SPEAKERS CONNECTED TO OUTPUT SOCKETS.  
MONO INPUT SIGNAL NOT CONNECTED TO CORRECT CHANNEL, MOVE INPUT PLUG TO RIGHT CHANNEL.*
- 3. EVEN WHEN THE OUTPUT IS LOW, THE OUTPUT SOUNDS DISTORTED.  
THE SPEAKER LEADS HAVE A FAULTY CONNECTION IN THE PLUG OR DAMAGED CABLES.*

4. *OUTPUT DISTORTED AT MEDIUM VOLUME SETTING.  
AMPLIFIER IS RUNNING TOO HOT, ENSURE FREE AIRFLOW INTO AND OUT OF THE UNIT. (SEE SECTION A. PLACING THE POWER AMPLIFIER).*
5. *TRIP INDICATOR IS LIT AND NO SOUND IS HEARD.  
SEE SECTION ON TRIP INDICATOR OR THE AMPLIFIER HAS OVERHEATED.  
ENSURE FREE AIRFLOW INTO AND OUT OF THE UNIT. THE AMPLIFIER WILL RESET WHEN COOL.  
OR THE AMPLIFIER HAS DEVELOPED AN INTERNAL FAULT, PLEASE CONSULT YOUR DEALER.*

**PLEASE DO NOT  
SWITCH OR LINK + & - TERMINALS -  
IF IN DOUBT PLEASE CALL HELP LINE  
PLEASE REMEMBER YOUR SYSTEM IS  
ONLY AS GOOD AS ITS WEAKEST POINT  
THIS IS GENERALLY  
THE HOOK UP WIRES  
NEARLY ALL SOUND SYSTEM  
FAULTS CAN BE TRACED BACK  
TO POOR WIRING CHECK  
ALL CABLES REGULARLY  
HELPLINE (UK) 44 1749840102**

## **TECHNICAL SPECIFICATION**

### **POWER OUTPUT NEXUS 2.0**

LOAD PER CHANNEL	<0.1%	<5%	PEAK
16OHM	415	478	730
8OHM	733	800	1266
4OHM	1000	1108	1657

### **TEST PERAMETERS**

*POWERS IN WATTS R.M.S PER CHANNEL USING 1 KHZ TONE. THE PEAK POWERS ARE SHORT TERM MAXIMUM PEAK POWERS.  
ALL OTHER POWER MEASUREMENTS ARE CONTINUOUS TONE.*

**TECHNICIANS PLEASE NOTE** *DUE TO THE NATURE OF THIS AMPLIFIERS SMPS POWER SUPPLY IT IS NOT ADVISED TO TEST WITH CONTINUOUS TONE INTO A NON INDUCTIVE LOAD FOR MORE THAN 5 MINUTES, ALSO THE POWER REGISTERED ON THIS TYPE OF TEST WILL NOT INCLUDE THE HIGH SIDED DRIVE OUTPUT.*

**FREQUENCY RESPONSE:** 3.5 Hz - 30KHz + 0dB - 3dB

**INPUT SENSITIVITY:** 0dBm 0.775V RMS OR +4dBm 1.

**DAMPING FACTOR** > 175 @ 100HZ

**DISTORTION:** 0.05% @ 1KHz

**INPUT IMPEDANCE:** 20KOHMS BALANCED OR 10K OHMS UNBALANCED

**NOISE LEVEL:** -95dBm

**PROTECTION:** INDIVIDUAL CHANNEL PROTECTION DISCONNECTS SPEAKERS

*WHEN 800MV, DC IS PRESENT ON OUTPUT. SHORT CIRCUIT & OVER CURRENT SHUT DOWN*

**THERMAL:** AUTOMATIC SHUTDOWN @ 100 DEG C ( AUTO RESET)

**COOLING:** 2 FAN 80MM<sup>2</sup>

**MAINS AC FUSES:** 15A 32MM

**SIZE:** 483 X 90 X 390.

**WEIGHT:** = 8.5 Kg ( 18.7LBS. )

**MAINS SUPPLY:** 230V A.C. 50/60 HZ

## **GUARANTEE**

**YOUR EQUIPMENT IS GUARANTEED FOR A PERIOD OF TWELVE MONTHS TAKEN FROM THE DATE OF PURCHASE OF THE PRODUCT AGAINST ANY DEFECTS DUE TO FAULTY MATERIALS OR FAULTY MANUFACTURING. DURING THIS PERIOD, REPAIRS TO THE EQUIPMENT WILL BE CARRIED OUT WITHOUT CHARGE FOR LABOUR OR MATERIALS BY ANY AUTHORISED DEALER OR THE FACTORY SUBJECT TO THE FOLLOWING CONDITIONS.**

- 1. THE FAULT MUST BE ENTIRELY DUE TO FAULTY MATERIALS OR FAULTY MANUFACTURE.**
- 2. THE DEFECT MUST NOT HAVE BEEN CAUSED BY BAD INSTALLATION, ACCIDENTAL DAMAGE, MISUSE OR FAILURE TO COMPLY WITH THE INSTRUCTIONS GIVEN IN THIS USERS MANUAL.**
- 3. THE EQUIPMENT MUST BE USED SOLELY FOR AUDIO APPLICATIONS AND IS SUBJECT TO FAIR WEAR AND TEAR, FOR COMMERCIAL USAGE.**
- 4. IF AT ANY TIME DURING THE GUARANTEE PERIOD PART OR PARTS OF THE EQUIPMENT ARE REPLACED WITH A PART OR PARTS NOT SUPPLIED OR APPROVED BY US OR IF THE EQUIPMENT HAS BEEN DISMANTLED OR REPAIRED BY ANY PERSON NOT AUTHORISED BY THE US, THEN GUARANTEE SHALL IMMEDIATELY CEASE AND BECOME VOID.**
- 5. EVIDENCE OF THE DATE OF PURCHASE (INVOICE, RECEIPT OR FINANCE AGREEMENT) MUST BE PRODUCED AT THE SERVICE DEPARTMENT TO OBTAIN THE BENEFIT OF THIS GUARANTEE. ANY CARRIAGE CHARGES RELATING TO THE GUARANTEE WILL BE THE RESPONSIBILITY OF THE PURCHASER.**
- 6. THIS GUARANTEE APPLIES TO THE ORIGINAL PURCHASER ONLY AND THE EQUIPMENT MUST HAVE BEEN PURCHASED OR FINANCED FROM NEW, THE GUARANTEE CANNOT BE ASSIGNED OR TRANSFERRED.**
- 7. ANY DEFECTIVE PART THAT HAS BEEN REPLACED SHALL BECOME THE PROPERTY OF THE COMPANY AND THE RIGHT IS RESERVED BY THE COMPANY TO REPLACE THE EQUIPMENT OR REPAIR IT AT THE OPTION OF THE COMPANY.**
- 8. THIS GUARANTEE APPLIES TO EQUIPMENT PURCHASED AND USED WITHIN THE E.E.C. THE IMPORTERS OF EQUIPMENT IN NON E.E.C. COUNTRIES ARE RESPONSIBLE FOR THE GUARANTEE OF THIS EQUIPMENT. PARTS REQUIRED UNDER GUARANTEE ARE FREE. SHIPPING CHARGES FOR COMPONENTS WILL BE CHARGED AT COST.**
- 9. KNOBS, POTENTIOMETERS, SWITCHES AND CHASSIS MOUNT CONNECTORS ARE NOT COVERED UNDER THE TERMS OF THIS GUARANTEE.**
- 10. THE GUARANTEE DOES NOT COVER EQUIPMENT THAT IS IN INDUSTRIAL USE OR WHICH ARE THE SUBJECT OF RENTAL OR HIRE AGREEMENT.**
- 11. THE GUARANTEE SHALL BECOME VOID IF THE EQUIPMENT IS AT ANYTIME USED ON ANY SUPPLY CIRCUIT OR VOLTAGE RANGE OTHER THAN THAT SPECIFIED ON THE EQUIPMENT.**
- 12. THIS GUARANTEE DOES NOT IN ANY WAY AFFECT YOUR STATUTORY RIGHTS AS A CONSUMER WITHIN THE E.E.C.**

**THE INFORMATION CONTAINED IN THIS MANUAL IS CORRECT AT THE TIME OF GOING TO PRESS, HOWEVER IN LINE WITH HZ'S POLICY OF CONTINUAL DEVELOPMENT SOME OF THE DETAILS MAY CHANGE ON FUTURE MODELS.**