

Definitive Technology[®]

The Leader in High-Performance Loudspeakers[®]

BP7002/BP7004/BP7006

Bipolar SuperTower[™] Loudspeaker with Built-In Powered Subwoofer

Owner's Manual

Congratulations

Congratulations on your purchase of the Definitive Technology BP7002/BP7004/BP7006 Bipolar SuperTower Loudspeaker System. The BP7002/BP7004/BP7006 are very unique speakers which combine our award-winning and patented bipolar technology with a built-in side-firing subwoofer system (US Patent #5,887,068) complete with high-power digital amplifiers. These extraordinary speakers truly revolutionize the state-of-the-art in music and home theater loudspeakers.

Our engineers have spent many years in developing this product. In order to ensure that you experience the finest performance possible, we encourage you to take a moment to fully read this owner's manual and familiarize yourself with the proper installation and set-up procedures for your BP7002/BP7004/BP7006 speakers.

Safety Precautions



CAUTION! To reduce the risk of electric shock and fire, do not remove the cover or back plate of this device. There are no user serviceable parts inside. Please refer all servicing to licensed service technicians.
Avis: Risque de choc électrique, ne pas ouvrir.

CAUTION! The international symbol of a lightning bolt inside a triangle is intended to alert the user to uninsulated “dangerous voltage” within the device’s enclosure. The international symbol of an exclamation point inside a triangle is intended to alert the user to the presence of important operating, maintenance and servicing information in the manual accompanying the device.

CAUTION! To prevent electrical shock, match wide blade of plug to wide slot, fully insert. Attention: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu’au fond.

CAUTION! To reduce the risk of electrical shock, do not expose this equipment to rain or moisture.

1. Read Instructions—All safety and operating instructions should be read before operating the device.
2. Retain Instructions—The safety and operating instructions should be retained for future reference.
3. Heed Warnings—All warnings on the device and in the operating instructions should be adhered to.
4. Follow Instructions—All operating and safety instructions should be followed.
5. Water & Moisture—The device should never be used in, on or near water for risk of fatal shock.
6. Carts & Stands—The device should only be used on carts or stands recommended by the manufacturer.
7. Wall & Ceiling Mounting—The device should be mounted on a wall or ceiling only as recommended by the manufacturer.
8. Ventilation—The device should always be located in such a way that it maintains proper ventilation. It should never be placed in a built-in installation or anywhere that may impede the flow of air through its heat sink.
9. Heat—Never locate the device near heat sources such as radiators, floor registers, stoves or other heat-generating devices.
10. Power Supply—The device should only be connected to a power supply of the type described in the operating instructions or as marked on the device.
11. Power Cord Protection—Power cables should be routed so they are not likely to be stepped on or crushed by items placed on them or against them. Special attention should be paid to areas where the plug enters a socket or fused strip and where the cord exits the device.
12. Cleaning—The device should be cleaned in accordance with manufacturer’s instructions.
13. Periods Of Non-Use—The device should be unplugged when not being used for extended periods.
14. Dangerous Entry—Care should be taken that no foreign objects or liquids fall or are spilled inside the device.
15. Damage Requiring Service—The device should be serviced by licensed technicians when:
 - The plug or power supply cord has been damaged.
 - Objects have fallen or liquid has spilled inside the device.
 - The device has been exposed to moisture.
 - The device does not appear to be operating properly or exhibits a marked change in performance.
 - The device has been dropped or the cabinet becomes damaged.
16. Service—The device should always be serviced by licensed technicians. Only replacement parts specified by the manufacturer should be used. The use of unauthorized substitutions may result in fire, shock, or other hazards.

CAUTION: Important Safety Instructions

To reduce the risk of the product inadvertently tipping over, two stabilizer brackets with mounting screws have been supplied. These must be installed in the base of the product in the slots provided.

Installation Instructions:

Tools required: Philips screw driver (not supplied)

Parts required: Two stabilizer brackets (supplied), four screws (supplied)

Instructions:

1. Carefully lay the speaker on its front surface.
2. Place one of the stabilizer brackets in the rear slot provided. (Note: Stabilizer bracket will be flush with bottom of base.)
3. Insert two screws provided and tighten them securely, being careful not to strip out material.
4. Repeat steps #2 and #3 for the other stabilizer bracket.
5. Remove the supporting feet closest to the stabilizer brackets and thread them into the brass insert in the stabilizer brackets.
6. Carefully return the speaker to the upright position and adjust the glides (supporting feet) to level the speaker.

Note: If desired, the four glides (support feet) may be replaced and the four spikes provided may be installed. The four spikes or glides must be fully threaded into the brass inserts on the stabilizer brackets.

AVERTISSEMENT: Mesures de Sécurité Importantes

Pour réduire les risques que le produit se renverse par inadvertance, quatre supports stabiliseurs avec vis de montage ont été fournis. Ceux-ci doivent être installés sur la base du produit, dans les rainures appropriées.

Procédures d'installation:

Outils requis: Tournevis étoile (non fourni)

Pièces requises: Deux supports stabiliseurs (fournis), quatre vis (fournies)

Instructions:

1. Coucher soigneusement le haut-parleur sur la face avant.
2. Placer un des supports stabiliseurs dans la rainure appropriée arrière.
(Note: le support stabiliseur sera égal au bas de la base)
3. Insérer deux des vis prévues à cet effet et serrer de façon ajustée en prenant garde de ne pas élimer les parois du matériel.
4. Répéter les étapes #2 et #3 pour l'autre support stabiliseur.
5. Retirer les niveleurs (pieds de support) les plus rapprochés des supports stabiliseurs et visser les niveleurs, dans l'encolure de cuivre des supports stabiliseurs.
6. Relever soigneusement le haut-parleur dans sa position fonctionnelle et ajuster les niveleurs (pieds de support) pour égaliser le haut-parleur.

Note: Les quatres niveleurs (pieds de support) peuvent être remplacés, si désiré, par les quatres pointes fournies à cet effet.

Unpacking Your BP7002/BP7004/BP7006s

Please Inspect For Shipping Damage

Each loudspeaker leaves our plant in perfect condition. Any visible or concealed damage most likely occurred in handling after it left our plant and should be reported at once to your Definitive dealer or the delivery company that delivered your loudspeaker. Please unpack your system carefully. Save all cartons and packing materials in case you move or need to ship your system. Record the serial number found on the back of the BP7002/BP7004/BP7006 in the appropriate place on your warranty card, answer all questions and send it in.

Positioning the Speakers in Your Room

It is important, because of the BP7002/BP7004/BP7006's unique bipolar (front and rear) radiation pattern, that some simple set-up recommendations be followed in order to assure optimum performance in your room. Please remember that although these recommendations are usually valid, all rooms and listening set-ups are somewhat unique, so do not be afraid to experiment with the speakers. Remember, whatever sounds best to you is correct.

In most rooms the speakers should be placed 5 to 36 inches from the rear wall in order to allow the rear radiated sound to freely reflect off the back wall. Please note that they can go closer to, or further from, the wall if desired. Placement closer to the rear wall will increase the bass output while placement further from the rear wall will decrease the bass output (which, of course, can be compensated for with the speakers' low frequency controls). Sometimes placement further from the rear wall will increase spaciousness and the sense of depth.

The speakers should usually be placed a minimum of 5 to 7 feet apart and kept away from the side walls and corners if possible. A good rule of thumb is to place the speakers separated by one half the length of the wall they are positioned along, and each speaker one quarter the length of the back wall away from the side wall.

Speakers may be angled in toward the listening position or left parallel with each other. Angling the speakers in (pointed directly at the listener) will result in a somewhat brighter, clearer sound with a sharper focus and a more solid central image (generally, we recommend this), while leaving the speakers parallel with each other will result in a less bright, more diffuse sound. Try to leave the space on the sides of the speakers as open and unobstructed as possible so that there will be no interference with the rear radiated sound.

The BP7002/BP7004/BP7006s are mirror imaged (packing cartons are labeled speaker 1 and speaker 2) with a flat-coned radiator on the bottom of each side and one active driver above one of the radiators (which you can feel through the grille cloth). The side-mounted subwoofers are located so they may be set up with both higher mounted active woofers facing in (toward each other) or both active woofers facing out (away from each other). (Feel the side of the speakers to determine which side the higher mounted active woofer is on.) Facing the active woofers in or out will vary the sound somewhat and which way is best will vary with your room. Usually, we start with the active woofers facing in as this is often the way it sounds best. Again, experiment to determine the best location for the speakers. Often, adjusting the spikes or feet so that the front of the speaker is approximately 1/2" to 3/4" higher than the rear will provide better sound.

"Spiking" Your Loudspeakers

An optional "spiking" kit has been provided should you desire to "spike" your loudspeakers. "Spiking" your loudspeakers will provide greater stability when placing your loudspeakers on carpeting and will also, according to many experts, result in an overall improvement in sonic performance. Care should be taken when using spikes as they may cause damage to wooden or other floors which are susceptible to being scratched. Definitive Technology is specifically not responsible for damage which may result from the use of spikes.

The spike kit contains four spikes. To install, unscrew the plastic guides on the stabilizer brackets and the bottom of the speaker. Then screw the four spikes into the brass inserts on the stabilizer brackets and the bottom of the speakers. Then, with the help of another person, lift the speaker upright and lower it to its exact desired position on the floor. You must lower the speaker to the exact position you want because once the spikes are in place you cannot move the speakers sideways on the rug or floor – this may damage the floor or the speakers. Next, adjust the spikes so the speaker sits solidly on all four spikes (and does not rock).

Speaker Break-In

Your BP7002/BP7004/BP7006s should sound good right out of the box; however, an extended break-in period of 40-60 hours or more of normal playing is required to reach full performance capability. Break-in allows the suspensions to work in and results in fuller bass, a more open “blossoming” midrange and smoother high frequency reproduction.

Connecting Your Loudspeakers

Your BP7002/BP7004/BP7006s have a set of speaker level (high level) 5-way binding posts and in addition, each speaker has an LFE input. This input can be used with Dolby Digital* and DTS* 5.1 (6.1, 7.1) decoders to separately feed the discrete “Low Frequency Effects” channel into each subwoofer (which then combines with the low bass present separately in the left or right channel signals). Unlike a conventional system, where the subwoofer is driven only by an LFE subwoofer signal, the BP7002/ BP7004/BP7006s are much more sophisticated and are driven by the left or right channel signal as well as the LFE signal. For optimum performance, please read through these instructions fully and follow them.

If the BP7002/BP7004/BP7006s are your main set of speakers, you will hook up the left main/front channel red(+) terminal of your receiver or amplifier to the red(+) terminal of your left loudspeaker and the left main/front channel black(-) terminal of your receiver or amplifier to the black(-) terminal of your left loudspeaker. Connect the right channel main/front channel red(+) terminal of your amplifier or receiver to the red(+) terminal of your right loudspeaker and the black(-) terminal of the right main/front channel of your receiver or amplifier to the black(-) terminal of your right loudspeaker. It is essential that both speakers be connected in the same way (in phase) to its own channel of the amplifier. If you experience a great lack of bass, it is likely that one speaker is out of phase with the other.

If you are using the BP7002/BP7004/BP7006 as side/rear surround speakers, hook up the left surround red(+) terminal of your receiver or amplifier to the red(+) terminal of your left surround speaker and the left surround black(-) terminal of your receiver or amplifier to the black(-) terminal of your left surround speaker. Connect the right surround red(+) terminal of your amplifier or receiver to the red(+) terminal of your right surround loudspeaker and the black(-) terminal of the right surround channel of your receiver or amplifier to the black(-) terminal of your right surround loudspeaker.

Hooking Up With Speaker Wire Only

The simplest implementation of use with DTS or Dolby Digital is to simply hook-up your BP7002/BP7004/BP7006 with speaker wire as described above and set your receiver or processor's menu to "Large" left and right main speakers and "no" subwoofer. The bass management system will then send the LFE .1 channel into the left and right channels and it will be reproduced by the subwoofers in your BP7002/BP7004SC/BP7006s giving you all the benefits of the discrete LFE signal. The speakers have a special circuit that takes an infinitesimally small signal from the speaker level input and converts it to a low-level signal which then drives the subwoofer power amp.

Using the LFE Input on Your BP7002/BP7004/BP7006s

With Dolby Digital or DTS, you have the option to use the low level LFE input in addition to the speaker wires. To do this, simply use a "Y" connector (available from your dealer) out of the LFE output on your receiver or processor to feed two line level cables, connecting one to the LFE input on your left BP7002/BP7004/BP7006 and the other to the LFE input on your right speaker. "Tell" your bass management system that you have "large" left and right front speakers and "Yes" subwoofer.

Using Multi-Channel SACD or DVD-Audio with your BP7002/BP7004/BP7006s

Because of the nature of their bass management systems, a multi-channel SACD player or DVD-Audio player (or any other format that requires using 6-channel interconnects) requires the use of an LFE connection between your receiver or processor and your BP7002/BP7004/BP7006. If you are using one of these players, please use the connection method outlined in the "Using the LFE Input" section.

Usually if distortion is heard when the speakers are being driven at loud levels, it is caused by driving (turning up) the amplifier too loud and not driving the speakers with more power than they can handle. Remember, most amplifiers put out their full-rated power well before the volume control is turned all the way up! If your speakers distort when you play them loud, turn down the amplifier or get a bigger one.

Setting Bass and Treble Controls on Your Receiver or Amplifier

Normally we recommend that you set the “Bass” and “Treble” controls on flat or 0 dB. This will give you the most linear and natural sound. If you want more bass, raise the subwoofer’s “Level” control on your BP7002/ BP7004/BP7006, keeping in mind that even a little turn of the knob can make a big difference in the sound. Also, if your amplifier or receiver has a graphic equalizer, we recommend that you leave it flat. The reason for this is that we have spoken with many consumers about what they thought were improperly sounding speakers when, in fact the problem was misadjusted tone controls. When in doubt, leave them flat; this almost always sounds the best.

Powering Up the Active Subwoofer Section

Your BP7002/BP7004/BP7006s contain a built-in, active powered subwoofer section as well as an electronic crossover and so each BP7002/BP7004/BP7006 must be plugged into an electrical socket of the appropriate voltage (as indicated on the back of your unit) using the plug on the end of the black cord attached to the electronics module on the back of the loudspeaker. The BP7002/BP7004/BP7006 has a special circuit which automatically turns the powered subwoofer section on when a signal is fed to the loudspeaker and does not require an on-off switch. Please note that if you hear a pop from the speaker when the amp powers up, this is normal. The red LED on the back panel will light up when a signal is sensed and the amplifier turns on. Please note that after the cessation of a signal, it may take up to an hour for the amplifier to actually turn off. In some instances, because of RF presence in your area, the red LEDs may not turn off. However, this is nothing to be concerned about as the amplifiers draw almost no power when they are idling.

To prevent accidental damage to the subwoofers built into your BP7002/ BP7004/BP7006s from overdriving the system, the subwoofers feature an internal overload protection circuit, which will turn the subwoofers off or down when overdriven or overheated and will then resume normal operation after a few minutes.

Setting Your Speakers’ Low-Frequency Level Control

Your BP7002/BP7004/BP7006s have a level control which allows you to perfectly tune the output level of the powered low frequency subwoofer section to match your room as well as to fulfill your own personal listening preferences. Please note that there are no controls to vary the crossover points or phase because these have been factory calibrated and set to provide perfect blending (a major performance benefit of this innovative product). We suggest beginning with the level control set at approximately 12 o’clock.

Setting Low-Frequency Balance When Using Separate LFE Input

We suggest that when you are using a separate LFE input, you set the bass level on your BP7002/BP7004/BP7006s to sound balanced when listening to music in stereo and use the .1 channel or bass level control in your Dolby Digital channel balancing procedure on your decoder to raise or lower the bass level for movie sound effects as you require.

Normally the level control of the left speaker will be set the same as the level control of the right speaker. However, these controls can also be set differently on the two speakers in order to allow you to vary the response of left and right speakers separately to compensate for variations and asymmetrical positioning of the left and right speakers in your room (i.e., when one is closer to a side wall or corner, etc.) if this is how you must set them up. This is a very unique and useful feature which allows you much greater flexibility in loudspeaker placement, as well as the ability to optimize what could otherwise be difficult placement situations.

VERY IMPORTANT: Setting Channel Balance and Bass Management Systems

Dolby Digital and DTS 5.1 (6.1, 7.1) systems and decoders have a critical channel balancing procedure for the left and right front speakers, center channel, rears and subwoofer (if it is hooked up through the “LFE or Sub Out” low-level connection) which must be followed if the system is to perform properly. We have spoken with many system users with problems relating to the overall sound of their system which could be clearly traced back to improper system balance. In fact, many users never realize that there is a system balance procedure to be followed.

Also note that Dolby Digital and DTS 5.1 (6.1, 7.1) systems and decoders have bass management systems (systems which direct the bass to the various channels) which vary from unit to unit. This bass management system must also be properly adjusted. We have spoken with many system users with problems relating to the overall sound of their system which could be clearly traced back to improper bass management. In fact, many users never realize that there is a bass management procedure to be followed.

Your receiver or decoder’s bass management system should be set for “Large” left and right main speakers and “Yes” subwoofer. If you have a Definitive center channel with a built-in powered subwoofer, set your decoder’s bass management center channel setting to “Large” (although you should experiment with this to see what sounds best in your specific system). If you are using large rear surround speakers with very extended low frequency response such as a large Definitive floor-standing system or one with a built-in powered subwoofer, set the rear channels of your decoder’s bass management system to “Large.” If not, set them to “Small.”

Using your BP7002/BP7004/BP7006 with an Additional Subwoofer

Although the built-in subwoofers in your BP7002/BP7004/BP7006s deliver superb low frequency response and are all that are required for amazing performance, some listeners go for the ultimate performance and add an additional powered subwoofer to their system. If you choose to do so, we strongly suggest using a Definitive PowerField SuperCube, PowerField or ProSub in order to achieve the highest level of sound quality possible. This should be driven with an additional RCA low-level cable connected to the LFE output of your receiver or processor. Your receiver or decoder's bass management system should still be set to "Large" left and right main speakers and "Yes" subwoofer.

Troubleshooting

If you experience any difficulties with your BP7002/BP7004/BP7006s, try the suggestions described below. If you are still having problems, please consult your Definitive Technology Authorized Dealer for assistance.

1. Make sure all your system interconnects and power cords are solidly in place.
2. Should you experience any level of ground hum or noise, try plugging the power cord into the same circuit as your amplifier.
3. The system is provided with sophisticated internal protection circuitry. If for some reason the protection circuitry is tripped, please turn down your system's volume and wait five minutes before trying the system again. If the amplifier should overheat, the system will turn off until the amplifier cools down and resets.
4. Check to be sure that your power cord has not been damaged.
5. Check that no foreign objects or liquid has entered the cabinet.
6. If you cannot get the subwoofer driver on the side of the speaker to turn on or if no sound comes out and you are sure the system is set up properly, please bring the loudspeaker to your Definitive Technology Authorized Dealer for assistance. Call First.

Complete Home Theater Systems

We strongly suggest that you use matching Definitive center channel and rear/surround speakers to complete your Definitive home theater system. Please note that you can use Definitive Bipolar SuperTowers as rear or side surround speakers with excellent results for both music and movies.

Service

Service and warranty work on your Definitive loudspeakers will normally be performed by your local Definitive Technology dealer. If, however, you wish to return the speaker to us, please contact us first, describing the problem and requesting authorization as well as the location of the nearest factory service center. **Please note that the address given in this booklet is the address of our offices only. Under no circumstances should loudspeakers be shipped to our offices or returned without contacting us first and obtaining return authorization.**

Definitive Technology Offices
11433 Cronridge Drive,
Owings Mills, Maryland 21117
Phone: 410-363-7148

Visit us at www.definitivetech.com.

Technical Assistance

It is our pleasure to offer assistance if you have any questions regarding your BP7002/BP7004/BP7006s or their set-up. Please contact your nearest Definitive Technology dealer or contact us directly at 410-363-7148.

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Specifications

BP7002

Dimensions:	7.25"W x 16"D x 46.25"H
Frequency Response:	15 Hz–30 kHz
Efficiency:	92 dB
Nominal Impedance:	Compatible with 8 ohms
Driver Complement:	Four 5.25" high definition cast-magnesium basket polymer upper bass/midrange drivers. Two 1" pure aluminum dome tweeters with silk surrounds. One 12" long-throw subwoofer coupled to two 12" infrasonic radiators.
Rec. Assoc. Amplification:	20–400 watt/channel
Built-in Subwoofer	
Power Amplifier:	300 watt Digitally-Coupled Class D amplifier
Finish:	Piano-gloss black lacquer or piano-gloss golden cherry finish
Fuse Size:	3.25-amp 250-volt slow-blow fuse for 110-volt version and 2-amp 250-volt slow-blow fuse for the 240-volt version

BP7004

Dimensions:	5.6"W x 13"D x 42.25"H
Frequency Response:	16 Hz–30 kHz
Efficiency:	92 dB
Nominal Impedance:	Compatible with 8 ohms
Driver Complement:	Two 5.25" high definition cast-magnesium basket polymer upper bass/midrange drivers. Two 1" pure aluminum dome tweeters with silk surrounds. One 10" long-throw subwoofer coupled to two 10" infrasonic radiators.
Rec. Assoc. Amplification:	20–300 watt/channel
Built-in Subwoofer	
Power Amplifier:	300 watt Digitally-Coupled Class D amplifier
Finish:	Piano-gloss black lacquer or piano-gloss golden cherry finish
Fuse Size:	3.25-amp 250-volt slow-blow fuse for 110-volt version and 2-amp 250-volt slow-blow fuse for the 240-volt version

BP7006

Dimensions:	6.25"W x 11.5"D x 38.1"H
Frequency Response:	17 Hz–30 kHz
Efficiency:	92 dB
Nominal Impedance:	Compatible with 8 ohms
Driver Complement:	Two 4.5" high definition cast-magnesium basket polymer upper bass/midrange drivers. Two 1" pure aluminum dome tweeters with silk surrounds. One 8" long-throw subwoofer coupled to two 8" infrasonic radiators.
Rec. Assoc. Amplification:	20–250 watt/channel
Built-in Subwoofer	
Power Amplifier:	300-watt Digitally-Coupled Class D amplifier
Finish:	Piano-gloss black lacquer or piano-gloss golden cherry finish
Fuse Size:	3.25-amp 250-volt slow-blow fuse for 110-volt version and 2-amp 250-volt slow-blow fuse for the 240-volt version

**Limited USA Warranty:
5-Years for Drivers and Cabinets,
3-Years for Electronic Components**

Definitive Technology warrants to the original retail purchaser only that this Definitive Technology Loudspeaker Product (the "Product") will be free from defects in materials and workmanship for a period of five (5) years covering the drivers and cabinets, and three (3) years for the electronic components from the date of the original purchase from a Definitive Technology Authorized Dealer. However, this warranty will automatically terminate prior to the expiration of five (5) years for the drivers and cabinets and three (3) years for the electronic components if the original retail purchaser sells or otherwise transfers the Product to any other party. The original retail purchaser shall hereinafter be referred to as "you." Defective Products must be shipped, together with proof of date of purchase, prepaid insured to the Authorized Dealer from whom you purchased the Product, or to the nearest factory service center. Product(s) must be shipped in the original shipping container or its equivalent; in any case the risk of loss or damage in transit is to be borne by you. If, upon examination at the Factory or a Definitive Technology Authorized Dealer, it is determined that the unit was defective in materials or workmanship at any time during this Warranty period, Definitive Technology or the Definitive Technology Authorized Dealer will, at its option, repair or replace this Product at no additional charge, except as set forth below. All replaced parts and Product(s) become the property of Definitive Technology. Product(s) replaced or repaired under this Warranty will be returned to you, within a reasonable time, freight collect.

This Warranty does not include service or parts to repair damage caused by accident, misuse, abuse, negligence, inadequate packing or shipping procedures, commercial use, voltage in excess of the rated maximum of the unit, cosmetic appearance of cabinetry not directly attributable to defects in materials or workmanship, or service, or repair or modification of the Product which has not been authorized by Definitive Technology. Definitive Technology makes no Warranty with respect to its Products purchased from dealers or outlets other than Definitive Technology Authorized Dealers. This Warranty is in lieu of all other expressed Warranties. If this Product is defective in material or workmanship as warranted above, your sole remedy shall be repair or replacement as provided above. In no event will Definitive Technology be liable to you for any incidental or consequential damages arising out of the use or inability to use the Product, even if Definitive Technology or a Definitive Technology Authorized Dealer has been advised of the possibility of such damages, or for any claim by any other party. Some states do not allow the exclusion or limitation of consequential damages, so the above limitation may not apply to you.

All implied warranties on the Product are limited to the duration of this expressed Warranty. Some states do not allow limitation on how long an implied Warranty lasts, so the above limitations may not apply to you. This Warranty gives you specific legal rights, and you also may have other rights which vary from state to state.



This product complies with the essential
requirements of the EMC directive 89/336/EEC.