

*Definitive Technology*<sup>®</sup>  
The Leader in High-Performance Loudspeakers<sup>®</sup>

# BP1.2X & BP2X

Full Range Bipolar Surround/Satellite  
Speaker Systems

## Owner's Manual

### *Congratulations*

Congratulations on your purchase of a Definitive Technology BP1.2X or BP2X Bipolar Surround/Satellite Speaker System. These revolutionary loudspeakers utilize state-of-the-art components (homopolymer-coned bass/midrange drivers, moving coil ferrofluid-cooled dome high-frequency radiators, uniphase crossover networks, etc.), a non-resonant monocoque cabinet and low-diffraction construction in order to achieve the most lifelike sound possible in your listening room for many years to come. These compact, high-quality bipolar (equal sound radiates both front and rear) speaker systems are intended primarily for use as a rear or side speakers in Dolby Pro Logic\*, Dolby Digital AC-3\*, DTS\*, Dolby Digital EX\*, as well as all 6.1 and 7.1 systems. In addition, they can also be used as front "effects" speakers in multi-channel DSP systems, or as front main left and right speakers.

### 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 shipping company which delivered your loudspeaker.

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## Connecting Your Loudspeakers

It is critical for proper performance that all speakers (left, right, center and rear) be connected in proper phase. Note that one terminal on each speaker (+) is colored red and the other (-) is colored black. Please make certain that you connect the red (+) terminal on each speaker to the red (+) terminal of its channel on your amplifier or receiver, and the black (-) terminal to the black (-) terminal. It is essential that all speakers be connected in the same way to the amplifier (in phase). If you experience a great lack of bass, it is likely that one speaker is out of phase with the others.

**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.**

## Positioning the BP1.2X or BP2X in Your Room

### For Rear or Side Surround Speakers

The BP1.2X and BP2X are designed to be extremely flexible in terms of their placement when used as surround speakers. They may be used on the side walls, rear walls or in the rear corners of the listening room. When placed along the side walls the speakers should normally be located adjacent to or behind the listening position. The speakers may also be placed near the rear corners of the room or located on the rear wall. If you have your couch or listening position near or against the rear wall, we suggest rear wall placement of the BP1.2X and BP2X with them positioned on either side of the couch and in from the side wall. High placement is preferred; however, midwall or floor placement is certainly acceptable. Normally speakers would be hung on the wall with the input connection plate up against the wall, however, the BP1.2X and BP2X may also be placed on shelves or stands. Of course, experimentation is encouraged to get the best performance in your particular room. As a starting point, we suggest mounting the speakers on the side walls behind the listening position about 3-6 feet off the floor and halfway between the listening position and the rear wall.

When using BP1.2X and BP2X in Dolby EX and other 6.1 and 7.1 systems (which they are perfect for), one pair will normally be located on the side walls as described above and an additional 1 or 2 speakers will be located on the rear wall as described above.

### For Front Main (Left and Right) Speakers

Because of their superb performance characteristics, the BP1.2X and BP2X can also be used as a front main system. In this configuration they should normally be placed about 6-8 feet apart approximately at ear level with the inside facing baffle, which has drivers mounted on it, facing towards the listening position.

## For Front Effects Speakers

The BP1.2X and BP2X are ideal for use as front effects speakers in DSP installations. They should be placed on the front wall with the wire terminals against the wall and the speakers separated by approximately two-thirds of the front wall. Placement above ear level is recommended if possible; however, lower placement is possible, if necessary.

## Mounting the BP1.2X and BP2X

Each BP1.2X and BP2X comes with a premounted mounting plate which may be used to hang the speakers on the wall. Use a toggle bolt or other similar anchored fastener in the wall to hold the screw which the mounting plate will hang on. Do not use an unanchored screw in the wall.

## Technical Assistance

It is our pleasure to offer assistance if you have any questions regarding your BP1.2X and BP2X or their setup. Please contact your nearest Definitive Technology dealer or contact us directly at 410-363-7148.

## 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 locations 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](http://www.definitivetech.com)**

# Specifications

## BP1.2X Specifications

<b>Dimensions</b>	9 <sup>3</sup> / <sub>16</sub> "W x 5 <sup>15</sup> / <sub>16</sub> "D x 10 <sup>1</sup> / <sub>2</sub> "H
<b>Frequency Response</b>	52 Hz – 30 kHz
<b>Efficiency</b>	90 dB
<b>Nominal Impedance</b>	Compatible with 8 ohm outputs.
<b>Driver Complement</b>	Two 12 cm. high resolution, high power, bass/midrange drivers with mineral filled polypropylene cones, butyl rubber surrounds and dust caps, and two 25 mm. ferrofluid damped moving coil pure aluminum dome tweeters
<b>Recommended Associated Amplification</b>	10 – 125 watts/channel

## BP2X Specifications

<b>Dimensions</b>	9 <sup>3</sup> / <sub>16</sub> "W x 5 <sup>15</sup> / <sub>16</sub> "D x 14 <sup>1</sup> / <sub>2</sub> "H
<b>Frequency Response</b>	45 Hz – 30 kHz
<b>Efficiency</b>	90 dB
<b>Nominal Impedance</b>	Compatible with 8 ohm outputs.
<b>Driver Complement</b>	Two 14 cm. high resolution, high power, cast-basket bass/midrange drivers with mineral filled polypropylene cones, butyl rubber surrounds and dust caps, and two 25 mm. ferrofluid damped moving coil pure aluminum dome tweeters
<b>Recommended Associated Amplification</b>	10 – 200 watts/channel

### Limited 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.