

JBL INSTALLATIONS

JBL BI-RADIAL™ MONITORS

The introduction of JBL's Bi-Radial™ monitors in the early eighties brought the concept of flat power response into the control room. Before that time, the inevitable requirements of crossing over from a large low frequency driver into a high frequency compression driver-horn combination resulted in a considerable mismatch in directional characteristics. In short, the woofer was quite directional at the crossover frequency while the horn was virtually non-directional. The net result was a discontinuity in acoustical power radiated into the control room through the crossover region.

In the two-way Bi-Radial monitor design approach, JBL transducer and systems engineers picked an ideal transition frequency between high and low, measured the woofer's dispersion characteristics at that frequency, and then designed a high frequency horn which matched that dispersion from the crossover point up to the highest frequencies. In this manner the Bi-Radial systems retain pattern control from about 800 Hz to beyond 12 kHz. On-axis response is flat, and with controlled dispersion the integrated acoustical power radiated into the control room is also flat.

Modern control rooms are generally designed to exhibit uniform acoustical absorption over the entire audio frequency range, and when Bi-Radial monitors are flush mounted

in the walls of such rooms, the resulting room response (a combination of direct and reflected sound) is virtually flat, requiring little if any additional one-third equalization.

Of course, most engineers take for granted JBL's customary attention to low distortion and overall reliability. These new monitors are no exception in those areas.

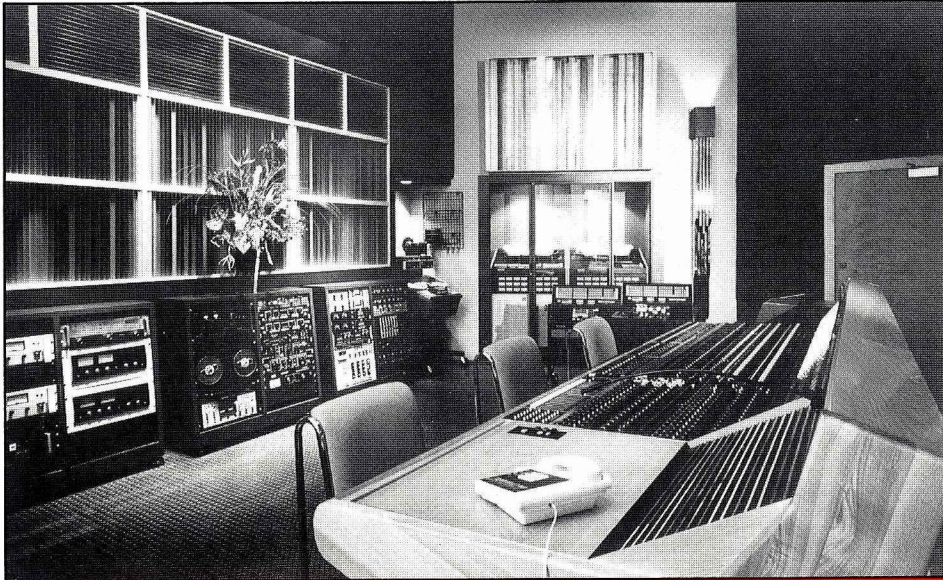
“In this room we work fast. There can't be any questions about what we hear, and what we do here will be heard by millions of people worldwide. That is why we chose JBL monitors. There is just no going back!”

Doc Goldstein,
Chief Engineer
Universal Studios
Sound Department



Scoring Stage 10, Universal Studios, Universal City, CA

JBL



Master Sound Astoria Recording Studios, Astoria, NY

“For me the choice was a simple one. At my dealer, the JBL Bi-Radials sounded best. Back at the studio they measured the best, and my clients love them.”

Ben Rizzi, Owner
Master Sound
Astoria Recording
Studios

“JBL products are very reliable and efficient, and that's why we've used them for 16 years here at Abbey Road Studios. We have JBL equipment in many locations throughout the studios, and these products give us the sound uniformity we really need. We can count on JBL for professional, solid, great-sounding products.”

Ken Townsend,
General Manager
Abbey Road Studios

JBL is pleased to list the following 24-track studios which use large format Bi-Radial monitors. USA listings are taken from recent issues of Mix Magazine through early 1988. United Kingdom listings are from the APRS Studio Guide. Japan listings are from Pro Sound Magazine. We apologize in advance for any errors or omissions.

► **Southern California Studios:**

Audio Cybernetics,
Woodland Hills, CA
Can-Am Recorders, Inc.,
Tarzana, CA
The Complex, West Los Angeles, CA
Echo Sound Recording,
Los Angeles, CA
41-B, Westlake Village, CA
Front Page Recording,
Costa Mesa, CA
Headway Studios, Westminster, CA
H.Q.1/Harlequin, Northridge, CA
J.E. Sound Production & Entertainment,
West Los Angeles, CA

Juniper APV, Burbank, CA
Master Control, Burbank, CA
Mixmasters, San Diego, CA
Pacific Recording, Chatsworth, CA
Pacific Recording Studios,
North Hollywood, CA
Silverlake Sound Studio,
Los Angeles, CA
Sound Affair Recording, Ltd.,
Santa Ana, CA

► **Northeast Studios:**

Carriage House Studios,
Stamford, CT
Dreamland Recording Studios,
Bearsville, NY
Master Sound Astoria, Astoria, NY
Peabody Recording Studios,
Baltimore, MD
Power Play Studios,
Long Island City, NY
Servisound, New York, NY
Sonic Sound Recording Studios,
Freeport, NY
Sound on Sound Recording, Inc.,
New York, NY

► **Southeast Studios:**

The Castle Recording Studio, Inc.,
Franklin, TN
Grand Central Studio, Nashville, TN
Master Sound Recording Studio,
Virginia Beach, VA
Perfect Pitch Recording & Production
Company, Statesville, NC
Strawberry Skys Recording Studio,
West Columbia, SC
Telstar, Sarasota, FL

► **Northwest Studios:**

Avalanche Recording Studios, Inc.,
Northglenn, CO
Ken Carlton Recording, Madera, CA
Focused Audio, San Francisco, CA
Ironwood Studio, Seattle, WA
Jah Works Studios, O'Brien, OR
Steve Lawson Productions,
Seattle, WA
Live Oak Studio, Berkeley, CA
London Bridge Studios, Inc.,
Seattle, WA
Music Annex, Inc., San Francisco, CA
The Music Source, Seattle, WA
Starsound Audio, Inc., Reno, NV
Sun Valley Audio, Ketchum, ID
Triad Studios, Redmond, WA

► **Southwest Studios:**

Brasswind Recording Studio, Ltd.,
College Station, TX
Cornerstone Recording Company,
Oklahoma City, OK
January Sound Studios Inc.,
Dallas, TX
Kludgit Sound, Inc., Cerrillos, NM
Longhorn Sound Productions,
Clyde, TX
Midcom, Inc., Irving, TX
Omega Audio and Productions, Inc.,
Dallas, TX
Rampart Studios, Houston, TX
Reelsound Recording Co., Austin, TX
Studio West, Houston, TX
Sunrise Sound Studio, Houston, TX
Texas Recording Center,
Fort Worth, TX

► **North Central Studios:**

ARS Recording Studio, Alsip, IL
Midwest Recorders, Ltd.,
Milwaukee, WI
Seagrape Recording Studios,
Chicago, IL
Studio M, Minnesota Public Radio,
St. Paul, MN
TRC Recording Studios,
Indianapolis, IN

► **United Kingdom Studios:**

Abbey Road, London
Impulse Studio, Tyne and Wear
Studio One, Chester

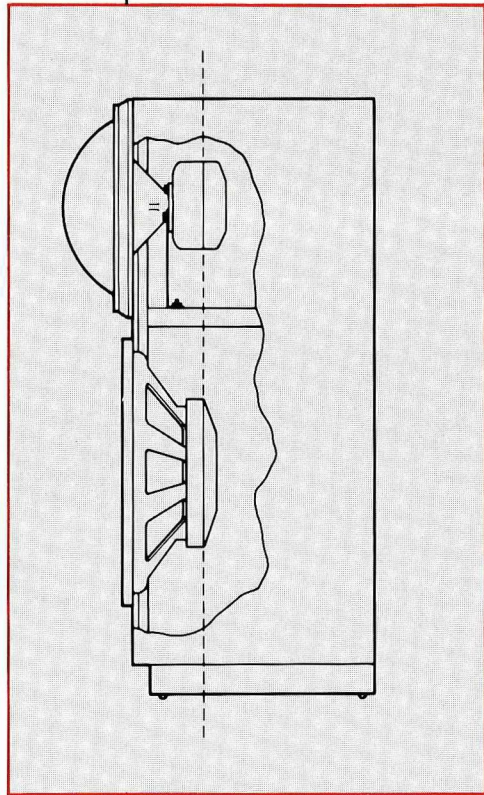
► **Japan Studios:**

Commercial Gang Kitty Studio,
Tokyo
Crown Studio, Tokyo
Japan Video Center, Tokyo
TBS Eigasya, Tokyo



“ We use JBL monitors at
Can-Am Recorders because
they are accurate, less fatiguing
than other brands during long
sessions, and we get the quality
service from JBL that is needed
in this industry.”

Larry A. Cummins,
Studio Owner/Manager
Can-Am Recorders, Inc.



Acoustic alignment of 4430.



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Prestige—JBL Bi-Radial 9/88